

SELF-TESTING CALIBRATION DUT BOARD LOAD RESISTORS

Expected	Measured	
1000000.000	997641.219	P
100000.000	100251.298	P
10000.000	9946.544	P
1000.000	998.096	P
100.000	100.225	P
4.000	4.548	P
0.000	0.589	P

4 OHM RESISTORS (ê)

Expected	Measured	
4.000	4.414	P
4.000	4.531	P

DIRECT RELAYS:
RELAYS CHECKED OK (OPEN)

ATTENUATOR RESISTANCE (ê)

Expected	Measured	
804000.000	806201.575	P
402000.000	404141.553	P

1 OHM Thru Imeter Circuit (ê)

Expected	Measured	
3.000	5.768	P

BERTAN 2000V RANGE (V)

Expected	Measured

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0.000	0.000	P
200.000	199.763	P
400.000	399.812	P
600.000	599.901	P
800.000	799.885	P
1000.000	1000.001	P

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BERTAN 200V RANGE (V)

Expected	Measured	
0.000	0.002	P
20.000	19.961	P
40.000	39.977	P
60.000	59.978	P
80.000	80.000	P
100.000	100.006	P

BERTAN 20V RANGE (V)

Expected	Measured	
0.000	0.000	P
2.000	1.997	P
4.000	3.998	P
6.000	5.999	P
8.000	8.000	P
10.000	10.002	P

DPU MUX CONNECTIONS

Pin	Expected (V)	Measured	
0	5.000	4.984	P
1	5.000	4.979	P
2	5.000	4.989	P
3	5.000	4.996	P
4	5.000	4.980	P
5	5.000	4.975	P
6	5.000	4.972	P
7	5.000	4.979	P
8	5.000	4.979	P
9	5.000	4.978	P

10	5.000	4.982	P
11	5.000	4.972	P
12	5.000	4.991	P
13	5.000	4.988	P
14	5.000	4.988	P
15	5.000	4.989	P
16	5.000	4.988	P
17	5.000	5.021	P
18	5.000	5.003	P
19	5.000	5.000	P
20	5.000	5.015	P
21	5.000	5.015	P
22	5.000	5.013	P
23	5.000	5.012	P
24	5.000	5.009	P
25	5.000	5.012	P
26	5.000	5.016	P
27	5.000	5.008	P
28	5.000	5.010	P
29	5.000	5.009	P
30	5.000	5.011	P
31	5.000	5.010	P

SELF TEST PASSED

RUNNING CALIBRATION
Revision 2015A [2015.1.5.18], 05/05/17
USING ASM3779 R3.0(SW), ASM3779 R3.0(HW) SERIAL #
Maximum Tester Voltage = 1000 V
Lap Count = 1

START OF LAP TIME: 10/26/22 11:56:31

Cal SPU100 Pos00: SN REV 52
(10/26/22 11:56.31 - CAL REV:2015) *** CAL RAM UPDATED ***

Check SPU100 Pos00: SN REV 52

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30 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-30.000000	-29.998219	1.781500	27.000000	P
-26.000000	-26.000265	-0.265100	25.000000	P
-22.000000	-22.001045	-1.045200	23.000000	P
-18.000000	-18.001520	-1.520200	21.000000	P
-10.000000	-10.001191	-1.191100	17.000000	P
0.000000	-0.002028	-2.028223	12.000000	P
10.000000	9.999223	-0.776770	17.000000	P
18.000000	17.999942	-0.058200	21.000000	P
22.000000	22.000101	0.101100	23.000000	P
26.000000	26.000382	0.382400	25.000000	P
30.000000	30.000809	0.808700	27.000000	P

10 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-10.000000	-9.999490	0.510220	13.000000	P
-8.000000	-8.000210	-0.209810	12.000000	P
-6.000000	-6.000314	-0.313520	11.000000	P
-4.000000	-4.000717	-0.716690	10.000000	P
-2.000000	-2.000386	-0.385640	9.000000	P
0.000000	-0.000329	-0.329065	8.000000	P
2.000000	1.999835	-0.165460	9.000000	P
4.000000	3.999976	-0.024320	10.000000	P
6.000000	6.000206	0.206230	11.000000	P
8.000000	8.000400	0.399590	12.000000	P
10.000000	10.000577	0.577000	13.000000	P

18-Bit Driver Mode Voltage Force Check

30 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-30.000000	-30.000029	-0.028600	13.500000	P
-15.000000	-15.000353	-0.353300	9.750000	P
0.000000	0.000068	0.068287	6.000000	P
15.000000	15.000365	0.364800	9.750000	P
30.000000	29.999653	-0.347100	13.500000	P

10 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-10.000000	-9.999981	0.018600	6.500000	P
-5.000000	-5.000050	-0.049830	5.250000	P
0.000000	-0.000024	-0.023647	4.000000	P
5.000000	5.000088	0.087740	5.250000	P
10.000000	9.999908	-0.092030	6.500000	P

V/I Mode Voltage Force/Measure Check

100 Volt Range

Program (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-100.0	-99.999340	0.660	37.500	P	-99.999870	0.530	37.500	P
-50.0	-50.000330	-0.330	25.000	P	-50.000186	-0.144	25.000	P
0.0	0.000444	0.444	12.500	P	0.000341	0.102	12.500	P
50.0	50.000925	0.925	25.000	P	50.000479	0.446	25.000	P
100.0	99.999805	-0.195	37.500	P	100.000227	-0.421	37.500	P

30 Volt Range

Program (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-30.0	-29.999785	0.215	10.000	P	-29.999931	0.146	10.000	P
-15.0	-14.999985	0.015	6.250	P	-15.000043	0.058	6.250	P
0.0	0.000106	0.106	2.500	P	0.000056	0.051	2.500	P
15.0	15.000075	0.075	6.250	P	15.000169	-0.094	6.250	P
30.0	29.999816	-0.184	10.000	P	29.999839	-0.023	10.000	P

10 Volt Range

Program (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-10.0	-9.999997	0.003	3.300	P	-9.999972	-0.025	3.300	P
-5.0	-5.000035	-0.035	2.050	P	-5.000034	-0.001	2.050	P
0.0	-0.000012	-0.012	0.800	P	0.000002	-0.013	0.800	P
5.0	5.000037	0.037	2.050	P	5.000088	-0.051	2.050	P
10.0	9.999957	-0.043	3.300	P	9.999962	-0.005	3.300	P

V/I Mode Current Force/Measure Check 100V - 500mA Range

Program	DMM	Error	Limit	P	SP MI	Error	Limit	P

(mA) (mA) (uA) (uA) F (mA) (uA) (uA) F

-500.0 -500.001758 -1.758 375.000 P -499.996177 -5.581 375.001 P
-250.0 -250.006497 -6.497 250.000 P -249.997991 -8.506 250.003 P
0.0 -0.002197 -2.197 125.000 P 0.000771 -2.968 125.001 P
250.0 250.003770 3.770 250.000 P 250.003829 -0.059 250.002 P
500.0 499.997452 -2.548 375.000 P 500.000892 -3.440 374.999 P

V/I Mode Current Force/Measure Check 30V - 1A Range

Program DMM Error Limit P SP MI Error Limit P
(A) (A) (mA) (mA) F (A) (mA) (mA) F

-0.9 -0.950007 -0.007 0.600 P -0.949995 -0.012 0.600 P
-0.5 -0.475001 -0.001 0.363 P -0.475003 0.002 0.363 P
0.0 0.000001 0.001 0.125 P -0.000002 0.003 0.125 P
0.5 0.475009 0.009 0.363 P 0.475006 0.003 0.363 P
0.9 0.949995 -0.005 0.600 P 0.949998 -0.003 0.600 P

V/I Mode Current Force/Measure Check 30V - 100mA Range

Program DMM Error Limit P SP MI Error Limit P
(mA) (mA) (uA) (uA) F (mA) (uA) (uA) F

-100.0 -100.000206 -0.206 62.500 P -99.998994 -1.212 62.500 P
-50.0 -50.000301 -0.301 37.500 P -49.999743 -0.558 37.500 P
0.0 -0.000105 -0.105 12.500 P 0.000426 -0.532 12.500 P
50.0 50.001040 1.040 37.500 P 50.001364 -0.324 37.501 P
100.0 99.999711 -0.289 62.500 P 100.000390 -0.679 62.500 P

V/I Mode Current Force/Measure Check 30V - 10mA Range

Program DMM Error Limit P SP MI Error Limit P
(mA) (mA) (uA) (uA) F (mA) (uA) (uA) F

-10.0 -10.000053 -0.053 6.250 P -9.999967 -0.086 6.250 P
-5.0 -5.000054 -0.054 3.750 P -5.000032 -0.022 3.750 P
0.0 0.000007 0.007 1.250 P 0.000032 -0.026 1.250 P
5.0 5.000039 0.039 3.750 P 5.000116 -0.077 3.750 P
10.0 10.000010 0.010 6.250 P 10.000073 -0.063 6.250 P

V/I Mode Current Force/Measure Check 30V - 1mA Range

Program DMM Error Limit P SP MI Error Limit P
(mA) (mA) (uA) (uA) F (mA) (uA) (uA) F

-1.0 -0.999997 0.003 0.625 P -0.999992 -0.005 0.625 P
-0.5 -0.500000 -0.000 0.375 P -0.499996 -0.005 0.375 P

0.0	-0.000000	-0.000	0.125	P	0.000001	-0.001	0.125	P
0.5	0.500004	0.004	0.375	P	0.500012	-0.007	0.375	P
1.0	0.999991	-0.009	0.625	P	0.999999	-0.008	0.625	P

V/I Mode Current Force/Measure Check 30V - 100uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-100.0	-99.999284	0.716	75.000	P	-99.999360	0.076	70.000	P
-50.0	-50.000159	-0.159	50.000	P	-49.999644	-0.515	45.000	P
0.0	0.000656	0.656	25.000	P	0.000037	0.619	20.000	P
50.0	50.001097	1.097	50.000	P	50.001639	-0.542	45.001	P
100.0	99.999972	-0.028	75.000	P	100.000292	-0.320	70.000	P

V/I Mode Current Force/Measure Check 30V - 10uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-10.0	-9.999641	0.359	20.000	P	-9.999904	0.263	17.000	P
0.0	0.000301	0.301	10.000	P	0.000056	0.245	12.000	P
10.0	10.000254	0.254	20.000	P	10.000099	0.156	17.000	P

V/I Mode Current Force/Measure Check 30V - 1uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-1.0	-0.999725	0.275	6.000	P	-0.999996	0.271	8.500	P
0.0	0.000269	0.269	5.000	P	0.000010	0.259	8.000	P
1.0	1.000272	0.272	6.000	P	1.000003	0.269	8.500	P

V/I Mode Current Force/Measure Check 10V - 2A Range

Program (A)	DMM (A)	Error (mA)	Limit (mA)	P F	SP MI (A)	Error (mA)	Limit (mA)	P F
-0.9	-0.950014	-0.014	0.725	P	-0.950007	-0.007	0.725	P
-0.5	-0.474989	0.011	0.488	P	-0.474985	-0.004	0.487	P
0.0	0.000008	0.008	0.250	P	0.000017	-0.009	0.250	P
0.5	0.475008	0.008	0.488	P	0.475014	-0.006	0.488	P
0.9	0.949990	-0.010	0.725	P	0.949996	-0.006	0.725	P

V/I Mode Current Force/Measure Check 10V - 200ma Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F

-200.0 -199.998192 1.808 125.000 P -199.997150 -1.042 124.999 P
-100.0 -100.000240 -0.240 75.000 P -99.999244 -0.996 75.000 P
0.0 0.001648 1.648 25.000 P 0.000211 1.437 25.001 P
100.0 100.005962 5.962 75.000 P 100.002828 3.134 75.003 P
200.0 199.999839 -0.161 125.000 P 200.000971 -1.132 125.000 P

V/I Mode Current Force/Measure Check 10V - 20mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-20.0	-19.999723	0.277	12.500	P	-19.999882	0.159	12.500	P
-10.0	-9.999900	0.100	7.500	P	-10.000036	0.135	7.500	P
0.0	0.000117	0.117	2.500	P	0.000120	-0.003	2.500	P
10.0	10.000057	0.057	7.500	P	10.000296	-0.238	7.500	P
20.0	19.999999	-0.001	12.500	P	20.000143	-0.144	12.500	P

V/I Mode Current Force/Measure Check 10V - 2mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-2.0	-1.999994	0.006	1.250	P	-1.999987	-0.007	1.250	P
-1.0	-1.000000	-0.000	0.750	P	-0.999990	-0.010	0.750	P
0.0	0.000026	0.026	0.250	P	0.000007	0.019	0.250	P
1.0	1.000006	0.006	0.750	P	1.000011	-0.005	0.750	P
2.0	2.000002	0.002	1.250	P	2.000010	-0.008	1.250	P

V/I Mode Current Force/Measure Check 10V - 200uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-200.0	-200.000562	-0.562	120.000	P	-199.998998	-1.564	125.000	P
-100.0	-100.000361	-0.361	70.000	P	-99.999201	-1.160	75.000	P
0.0	-0.000115	-0.115	20.000	P	0.001064	-1.179	25.000	P
100.0	100.000478	0.478	70.000	P	100.000566	-0.088	75.000	P
200.0	200.002411	2.411	120.000	P	200.000349	2.062	125.001	P

V/I Mode Current Force/Measure Check 10V - 20uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-20.0	-19.999781	0.219	27.000	P	-19.999873	0.092	25.000	P
0.0	0.000082	0.082	7.000	P	0.000106	-0.024	15.000	P
20.0	20.000313	0.313	27.000	P	20.000350	-0.037	25.000	P

V/I Mode Current Force/Measure Check 10V - 2uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-2.0	-1.999853	0.147	7.000	P	-1.999989	0.136	13.000	P
0.0	0.000134	0.134	5.000	P	0.000019	0.115	12.000	P
2.0	2.000187	0.187	7.000	P	2.000017	0.170	13.000	P

MV PGA Check 100 Volt Range

Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-9.499645	-9.499563	-0.081	8.375	P
10X	0.000457	0.000456	0.001	6.000	P
10X	9.500510	9.500511	-0.001	8.375	P
100X	-0.949579	-0.949576	-0.002	6.237	P
100X	0.000478	0.000473	0.006	6.000	P
100X	0.950593	0.950595	-0.002	6.238	P

MV PGA Check 30 Volt Range

Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-2.850029	-2.850018	-0.011	2.713	P
10X	0.000119	0.000120	-0.000	2.000	P
10X	2.850027	2.850027	0.001	2.713	P
100X	-0.284940	-0.284949	0.009	2.071	P
100X	0.000114	0.000107	0.007	2.000	P
100X	0.285221	0.285219	0.002	2.071	P

MV PGA Check 10 Volt Range

Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-0.949987	-0.949984	-0.003	0.837	P
10X	-0.000020	-0.000021	0.002	0.600	P
10X	0.950023	0.950024	-0.001	0.838	P
100X	-0.094971	-0.094965	-0.006	0.624	P

100X -0.000020 -0.000019 -0.001 0.600 P
100X 0.095015 0.095011 0.003 0.624 P

MV Pedestal Check 100 Volt Range

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
1X	-80.007317	-80.007994	0.678	45.002	P
1X	0.002526	0.001810	0.716	25.001	P
1X	80.010925	80.011290	-0.364	45.003	P

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-80.007149	-80.007272	0.123	38.502	P
10X	0.002542	0.002219	0.323	18.501	P
10X	80.010830	80.010751	0.079	38.503	P

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
100X	-80.007080	-80.007287	0.207	35.502	P
100X	0.002511	0.002314	0.197	15.501	P
100X	80.010883	80.010920	-0.037	35.503	P

MV Pedestal Check 30 Volt Range

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
1X	-25.002441	-25.002634	0.193	14.251	P
1X	0.000846	0.000789	0.057	8.000	P
1X	25.003735	25.003618	0.116	14.251	P

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-25.002467	-25.002446	-0.021	12.251	P
10X	0.000811	0.000844	-0.033	6.000	P
10X	25.003702	25.003880	-0.178	12.251	P

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F

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100X	-25.002481	-25.002489	0.007	11.251	P
100X	0.000813	0.000831	-0.018	5.000	P
100X	25.003719	25.003967	-0.248	11.251	P

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MV Pedestal Check 10 Volt Range

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
1X	-8.000741	-8.000861	0.121	4.400	P
1X	0.000262	0.000226	0.035	2.400	P
1X	8.001215	8.001221	-0.005	4.400	P

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-8.000743	-8.000732	-0.011	3.800	P
10X	0.000261	0.000253	0.008	1.800	P
10X	8.001207	8.001237	-0.029	3.800	P

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
100X	-8.000743	-8.000722	-0.021	3.500	P
100X	0.000258	0.000224	0.033	1.500	P
100X	8.001205	8.001226	-0.021	3.500	P

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MI PGA Check 100 Volt Range

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
500mA	10X	-47.496097	-47.495696	-0.401	83.748	P
500mA	10X	0.001974	0.001762	0.212	60.001	P
500mA	10X	47.503039	47.502975	0.064	83.752	P

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IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
500mA	100X	-4.746257	-4.746742	0.485	62.373	P
500mA	100X	0.001834	0.001345	0.489	60.001	P
500mA	100X	4.753948	4.753427	0.521	62.377	P

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MI PGA Check 30 Volt Range

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
1A	10X	-94.995726	-94.995790	0.064	107.498	P
1A	10X	0.005024	0.004400	0.623	60.003	P
1A	10X	95.006272	95.004960	1.312	107.503	P

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
1A	100X	-9.496144	-9.497029	0.885	64.748	P
1A	100X	0.005133	0.005083	0.051	60.003	P
1A	100X	9.506078	9.506279	-0.200	64.753	P

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
100mA	10X	-9.499704	-9.499631	-0.073	10.750	P
100mA	10X	0.000305	0.000415	-0.110	6.000	P
100mA	10X	9.500137	9.500247	-0.110	10.750	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F
100mA	100X	-950.133166	-949.954186	-178.980	6475.067	P
100mA	100X	0.296116	0.314280	-18.164	6000.148	P
100mA	100X	950.590998	950.679564	-88.566	6475.295	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F
10mA	10X	-949.978799	-949.969641	-9.158	1074.989	P
10mA	10X	0.024458	0.036492	-12.035	600.012	P
10mA	10X	950.023386	950.040470	-17.084	1075.012	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F
10mA	100X	-94.948577	-94.931031	-17.546	647.474	P
10mA	100X	0.042207	0.048483	-6.276	600.021	P
10mA	100X	95.014595	95.023001	-8.406	647.507	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F

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1mA	10X	-94.993684	-94.993248	-0.436	107.497	P
1mA	10X	0.002988	0.004309	-1.320	60.001	P
1mA	10X	95.005908	95.007064	-1.156	107.503	P

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IRange	Gain	DMM	SP MI	Error	Limit	P
		(uA)	(uA)	(nA)	(nA)	F

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1mA	100X	-9.495292	-9.493655	-1.636	69.495	P
1mA	100X	0.002494	0.002851	-0.357	60.002	P
1mA	100X	9.507185	9.507198	-0.013	69.507	P

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IRange	Gain	DMM	SP MI	Error	Limit	P
		(uA)	(uA)	(nA)	(nA)	F

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100uA	10X	-9.498614	-9.498715	0.100	21.499	P
100uA	10X	0.000694	0.000732	-0.038	12.001	P
100uA	10X	9.500764	9.500863	-0.098	21.501	P

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IRange	Gain	DMM	SP MI	Error	Limit	P
		(nA)	(nA)	(nA)	(nA)	F

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100uA	100X	-949.040526	-948.854659	-0.186	12.949	P
100uA	100X	0.626254	0.765269	-0.139	12.001	P
100uA	100X	951.041358	951.165063	-0.124	12.951	P

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IRange	Gain	DMM	SP MI	Error	Limit	P
		(nA)	(nA)	(nA)	(nA)	F

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10uA	10X	-949.531739	-949.559720	0.028	8.950	P
10uA	10X	0.420762	0.384317	0.036	8.000	P
10uA	10X	950.488527	950.455596	0.033	8.950	P

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IRange	Gain	DMM	SP MI	Error	Limit	P
		(nA)	(nA)	(nA)	(nA)	F

ÍÍ

10uA	100X	-94.317350	-94.350365	0.033	8.094	P
10uA	100X	0.450397	0.406450	0.044	8.000	P
10uA	100X	95.256137	95.218875	0.037	8.095	P

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IRange	Gain	DMM	SP MI	Error	Limit	P
		(nA)	(nA)	(nA)	(nA)	F

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1uA	10X	-94.763461	-94.798531	0.035	4.095	P

1uA 10X 0.034218 0.000966 0.033 4.000 P
1uA 10X 94.875116 94.836235 0.039 4.095 P

MI PGA Check 10 Volt Range

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P/F
2A	10X	-189.991988	-189.992149	0.161	219.996	P
2A	10X	0.004806	0.008309	-3.503	125.002	P
2A	10X	190.001361	190.003920	-2.559	220.001	P

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P/F
2A	100X	-18.995921	-18.994937	-0.984	134.498	P
2A	100X	0.007265	0.009635	-2.371	125.004	P
2A	100X	18.998348	19.000297	-1.949	134.499	P

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P/F
200ma	10X	-18.997867	-18.998071	0.205	21.499	P
200ma	10X	0.002637	0.003337	-0.700	12.001	P
200ma	10X	19.003360	19.003720	-0.361	21.502	P

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P/F
200ma	100X	-1.896449	-1.896159	-0.291	12.948	P
200ma	100X	0.002853	0.003228	-0.375	12.001	P
200ma	100X	1.903855	1.904263	-0.408	12.952	P

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P/F
20mA	10X	-1.899823	-1.899758	-0.065	2.150	P
20mA	10X	0.000103	0.000151	-0.048	1.200	P
20mA	10X	1.900063	1.900082	-0.019	2.150	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P/F
20mA	100X	-189.805840	-189.791762	-14.078	1294.903	P
20mA	100X	0.164563	0.167043	-2.480	1200.082	P

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 20mA  100X  190.129962   190.144650    -14.688   1295.065  P
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 IRange Gain     DMM         SP MI        Error      Limit  P
              (uA)        (uA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   2mA   10X -189.975108  -189.971210     -3.898    219.988  P
   2mA   10X    0.028893     0.028912     -0.019    125.014  P
   2mA   10X  190.032573   190.031941      0.632    220.016  P
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 IRange Gain     DMM         SP MI        Error      Limit  P
              (uA)        (uA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   2mA  100X  -18.966773   -18.965228     -1.545    143.967  P
   2mA  100X    0.029580     0.029966     -0.386    125.030  P
   2mA  100X   19.026177    19.027235     -1.058    144.026  P
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 IRange Gain     DMM         SP MI        Error      Limit  P
              (uA)        (uA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 200uA   10X  -18.999011   -18.999188      0.178     33.999  P
 200uA   10X    0.000828     0.000983     -0.155     15.001  P
 200uA   10X   19.001195    19.000912      0.283     34.001  P
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 IRange Gain     DMM         SP MI        Error      Limit  P
              (uA)        (uA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 200uA  100X   -1.899936    -1.900034      0.098     16.900  P
 200uA  100X    0.001252     0.001039      0.213     15.001  P
 200uA  100X    1.900836     1.900733      0.103     16.901  P
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 IRange Gain     DMM         SP MI        Error      Limit  P
              (uA)        (uA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  20uA   10X   -1.899844    -1.899866      0.021     11.900  P
  20uA   10X    0.000129     0.000125      0.004     10.000  P
  20uA   10X    1.900152     1.900176     -0.025     11.900  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (nA)        (nA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  20uA  100X -189.895964  -189.905377      0.009     10.190  P
  20uA  100X    0.150626     0.161141     -0.011     10.000  P
  20uA  100X  190.224043   190.217590      0.006     10.190  P
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IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	P F
2uA	10X	-189.944771	-189.963203	0.018	6.190	P
2uA	10X	0.071237	0.049425	0.022	6.000	P
2uA	10X	190.067937	190.054539	0.013	6.190	P

IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	P F
2uA	100X	-18.878487	-18.897960	0.019	6.019	P
2uA	100X	0.090330	0.072215	0.018	6.000	P
2uA	100X	19.052505	19.029375	0.023	6.019	P

Vmeter Check

10 Volt Range with 1X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-10.00	-10.000945	-10.000928	-0.017	6.200	P
0.00	0.000267	0.000287	-0.019	1.200	P
10.00	10.001423	10.001436	-0.012	6.201	P

10 Volt Range with 10X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-0.95	-0.949838	-0.949852	0.014	1.075	P
0.00	0.000265	0.000264	0.001	0.600	P
0.95	0.950430	0.950412	0.018	1.075	P

10 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-0.10	-0.094735	-0.094739	0.004	0.347	P
0.00	0.000255	0.000254	0.001	0.300	P
0.10	0.095323	0.095320	0.004	0.348	P

30 Volt Range with 1X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F

-30.00	-30.003009	-30.003021	0.012	19.002	P
0.00	0.000831	0.000833	-0.002	4.000	P
30.00	30.004260	30.004165	0.095	19.002	P

30 Volt Range with 10X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-2.85	-2.849556	-2.849585	0.029	3.425	P
0.00	0.000830	0.000795	0.035	2.000	P
2.85	2.851175	2.851123	0.053	3.426	P

30 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-0.29	-0.284360	-0.284394	0.034	1.142	P
0.00	0.000821	0.000787	0.034	1.000	P
0.29	0.285770	0.285733	0.038	1.143	P

100 Volt Range with 1X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-100.00	-100.008904	-100.008785	-0.119	62.504	P
0.00	0.002485	0.002306	0.179	12.501	P
100.00	100.011814	100.011731	0.083	62.506	P

100 Volt Range with 10X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-9.50	-9.499012	-9.499114	0.103	10.750	P
0.00	0.002506	0.002400	0.106	6.001	P
9.50	9.503067	9.502933	0.134	10.752	P

100 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-0.95	-0.947776	-0.947841	0.065	3.474	P
0.00	0.002482	0.002395	0.087	3.001	P
0.95	0.952709	0.952624	0.085	3.476	P

1000 Volt Range with 10X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-95.00	-95.008808	-95.008226	-0.582	107.504	P
0.00	0.002493	0.002472	0.021	60.001	P
95.00	95.012165	95.011191	0.974	107.506	P

1000 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-9.50	-9.499024	-9.499038	0.013	34.750	P
0.00	0.002519	0.002469	0.050	30.001	P
9.50	9.503090	9.502787	0.303	34.752	P

1000 Volt Range

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
0.0	-0.000271	-0.002295	2.024	125.000	P
500.0	499.819613	499.814921	4.692	374.910	P
1000.0	999.989522	999.981374	8.148	624.995	P

Last Calibration Date: 10/26/22 11:56.31
(10/26/22 12:00.32 - CAL REV:2015) CHK STATUS: PASS

Cal SPU100 Pos01: SN REV 52
(10/26/22 12:04.53 - CAL REV:2015) *** CAL RAM UPDATED ***

Check SPU100 Pos01: SN REV 52

16-Bit Driver Mode Voltage Force Check

30 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-30.000000	-29.995738	4.262000	27.000000	P
-26.000000	-25.998568	1.432400	25.000000	P
-22.000000	-22.000220	-0.220300	23.000000	P
-18.000000	-18.002468	-2.468100	21.000000	P
-10.000000	-10.003010	-3.010300	17.000000	P

0.000000	-0.003024	-3.023710	12.000000	P
10.000000	9.997982	-2.017970	17.000000	P
18.000000	18.000064	0.063900	21.000000	P
22.000000	22.001248	1.248400	23.000000	P
26.000000	26.000675	0.675200	25.000000	P
30.000000	30.001584	1.584100	27.000000	P

10 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-10.000000	-9.998512	1.488210	13.000000	P
-8.000000	-7.999593	0.406980	12.000000	P
-6.000000	-6.000491	-0.491380	11.000000	P
-4.000000	-4.000694	-0.693800	10.000000	P
-2.000000	-2.000665	-0.664950	9.000000	P
0.000000	-0.000858	-0.858222	8.000000	P
2.000000	1.999475	-0.525410	9.000000	P
4.000000	3.999781	-0.219350	10.000000	P
6.000000	6.000239	0.239370	11.000000	P
8.000000	8.000456	0.455860	12.000000	P
10.000000	10.000878	0.878300	13.000000	P

18-Bit Driver Mode Voltage Force Check

30 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-30.000000	-29.999914	0.085800	13.500000	P
-15.000000	-15.000671	-0.670900	9.750000	P
0.000000	0.000115	0.114847	6.000000	P
15.000000	15.000677	0.677100	9.750000	P
30.000000	29.999864	-0.136400	13.500000	P

10 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-10.000000	-9.999854	0.145910	6.500000	P
-5.000000	-5.000108	-0.108480	5.250000	P
0.000000	0.000106	0.105592	4.000000	P
5.000000	5.000184	0.183820	5.250000	P
10.000000	9.999912	-0.087740	6.500000	P

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Program (A)	DMM (A)	Error (mA)	Limit (mA)	P F	SP MI (A)	Error (mA)	Limit (mA)	P F
-0.9	-0.949991	0.009	0.600	P	-0.949995	0.004	0.600	P
-0.5	-0.475002	-0.002	0.363	P	-0.475002	-0.000	0.363	P
0.0	-0.000002	-0.002	0.125	P	0.000001	-0.003	0.125	P
0.5	0.475011	0.011	0.363	P	0.475010	0.001	0.363	P
0.9	0.949993	-0.007	0.600	P	0.949998	-0.005	0.600	P

V/I Mode Current Force/Measure Check 30V - 100mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-100.0	-99.998266	1.734	62.500	P	-99.999077	0.812	62.499	P
-50.0	-50.000308	-0.308	37.500	P	-50.000309	0.001	37.500	P
0.0	0.000093	0.093	12.500	P	0.000230	-0.137	12.500	P
50.0	50.000017	0.017	37.500	P	50.000334	-0.317	37.500	P
100.0	99.998951	-1.049	62.500	P	100.000363	-1.412	62.499	P

V/I Mode Current Force/Measure Check 30V - 10mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-10.0	-10.000039	-0.039	6.250	P	-9.999976	-0.063	6.250	P
-5.0	-4.999993	0.007	3.750	P	-4.999962	-0.031	3.750	P
0.0	0.000072	0.072	1.250	P	0.000057	0.015	1.250	P
5.0	5.000015	0.015	3.750	P	4.999967	0.048	3.750	P
10.0	10.000022	0.022	6.250	P	9.999973	0.049	6.250	P

V/I Mode Current Force/Measure Check 30V - 1mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-1.0	-0.999995	0.005	0.625	P	-0.999991	-0.004	0.625	P
-0.5	-0.499998	0.002	0.375	P	-0.499993	-0.004	0.375	P
0.0	0.000009	0.009	0.125	P	0.000004	0.005	0.125	P
0.5	0.500007	0.007	0.375	P	0.500005	0.002	0.375	P
1.0	1.000003	0.003	0.625	P	0.999999	0.004	0.625	P

V/I Mode Current Force/Measure Check 30V - 100uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-100.0	-99.999859	0.141	75.000	P	-99.999982	0.123	70.000	P

-50.0 -50.000859 -0.859 50.000 P -50.000126 -0.733 45.000 P
0.0 0.000617 0.617 25.000 P 0.000146 0.471 20.000 P
50.0 50.000157 0.157 50.000 P 50.000025 0.132 45.000 P
100.0 99.999892 -0.108 75.000 P 100.000826 -0.934 70.000 P

V/I Mode Current Force/Measure Check 30V - 10uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-10.0	-10.000108	-0.108	20.000	P	-10.000045	-0.064	17.000	P
0.0	-0.000027	-0.027	10.000	P	0.000017	-0.044	12.000	P
10.0	10.000084	0.084	20.000	P	10.000083	0.001	17.000	P

V/I Mode Current Force/Measure Check 30V - 1uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-1.0	-1.000026	-0.026	6.000	P	-1.000003	-0.023	8.500	P
0.0	0.000001	0.001	5.000	P	0.000004	-0.003	8.000	P
1.0	1.000007	0.007	6.000	P	1.000003	0.003	8.500	P

V/I Mode Current Force/Measure Check 10V - 2A Range

Program (A)	DMM (A)	Error (mA)	Limit (mA)	P F	SP MI (A)	Error (mA)	Limit (mA)	P F
-0.9	-0.949991	0.009	0.725	P	-0.950001	0.009	0.725	P
-0.5	-0.474990	0.010	0.488	P	-0.474997	0.006	0.487	P
0.0	0.000009	0.009	0.250	P	0.000011	-0.002	0.250	P
0.5	0.475015	0.015	0.488	P	0.475009	0.006	0.488	P
0.9	0.949994	-0.006	0.725	P	0.949984	0.009	0.725	P

V/I Mode Current Force/Measure Check 10V - 200ma Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-200.0	-199.991055	8.945	125.000	P	-199.998031	6.976	124.996	P
-100.0	-100.002527	-2.527	75.000	P	-100.000830	-1.697	75.001	P
0.0	0.001236	1.236	25.000	P	0.001234	0.001	25.001	P
100.0	100.006834	6.834	75.000	P	100.000621	6.213	75.003	P
200.0	199.995682	-4.318	125.000	P	199.999935	-4.253	124.998	P

V/I Mode Current Force/Measure Check 10V - 20mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F

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-20.0	-20.000411	-0.411	12.500	P	-19.999952	-0.459	12.500	P
-10.0	-9.999904	0.096	7.500	P	-9.999964	0.060	7.500	P
0.0	-0.000057	-0.057	2.500	P	0.000087	-0.144	2.500	P
10.0	9.999932	-0.068	7.500	P	10.000004	-0.071	7.500	P
20.0	19.999759	-0.241	12.500	P	20.000137	-0.378	12.500	P

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V/I Mode Current Force/Measure Check 10V - 2mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-2.0	-1.999997	0.003	1.250	P	-1.999992	-0.005	1.250	P
-1.0	-1.000028	-0.028	0.750	P	-1.000002	-0.026	0.750	P
0.0	0.000014	0.014	0.250	P	0.000002	0.012	0.250	P
1.0	0.999997	-0.003	0.750	P	1.000011	-0.014	0.750	P
2.0	1.999975	-0.025	1.250	P	1.999997	-0.022	1.250	P

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V/I Mode Current Force/Measure Check 10V - 200uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-200.0	-199.999340	0.660	120.000	P	-199.998033	-1.307	125.000	P
-100.0	-100.000732	-0.732	70.000	P	-99.999611	-1.121	75.000	P
0.0	0.002112	2.112	20.000	P	0.000923	1.189	25.001	P
100.0	100.000070	0.070	70.000	P	100.002013	-1.943	75.000	P
200.0	199.996975	-3.025	120.000	P	199.999721	-2.746	124.998	P

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V/I Mode Current Force/Measure Check 10V - 20uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-20.0	-20.000151	-0.151	27.000	P	-20.000075	-0.076	25.000	P
0.0	0.000128	0.128	7.000	P	0.000110	0.018	15.000	P
20.0	19.999932	-0.068	27.000	P	20.000351	-0.419	25.000	P

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V/I Mode Current Force/Measure Check 10V - 2uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-2.0	-1.999985	0.015	7.000	P	-1.999997	0.012	13.000	P
0.0	0.000018	0.018	5.000	P	0.000009	0.009	12.000	P
2.0	2.000019	0.019	7.000	P	2.000002	0.017	13.000	P

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MV PGA Check 100 Volt Range

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Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-9.499723	-9.499723	0.000	8.375	P
10X	0.000255	0.000228	0.027	6.000	P
10X	9.500847	9.500763	0.084	8.375	P
100X	-0.950153	-0.950088	-0.065	6.238	P
100X	0.000241	0.000281	-0.039	6.000	P
100X	0.950487	0.950538	-0.051	6.238	P

MV PGA Check 30 Volt Range

Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-2.849785	-2.849777	-0.008	2.712	P
10X	0.000153	0.000148	0.005	2.000	P
10X	2.850029	2.850022	0.008	2.713	P
100X	-0.285034	-0.285026	-0.008	2.071	P
100X	0.000149	0.000150	-0.001	2.000	P
100X	0.285327	0.285329	-0.003	2.071	P

MV PGA Check 10 Volt Range

Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-0.949995	-0.949994	-0.001	0.837	P
10X	0.000031	0.000029	0.003	0.600	P
10X	0.950053	0.950049	0.004	0.838	P
100X	-0.094958	-0.094958	0.000	0.624	P
100X	0.000031	0.000030	0.001	0.600	P
100X	0.095100	0.095099	0.002	0.624	P

MV Pedestal Check 100 Volt Range

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
1X	-80.000313	-80.000912	0.599	45.000	P

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 1X     0.000400    -0.000071        0.471       25.000  P
 1X    79.999943    79.999818        0.124       45.000  P
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 Post      DMM         SP MV         Error        Limit  P
 Gain    (Volts)      (Volts)        (mV)         (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 10X  -80.000034   -79.999995       -0.040       38.500  P
 10X    0.000442     0.000468       -0.026       18.500  P
 10X   79.999886    79.999712        0.174       38.500  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 Post      DMM         SP MV         Error        Limit  P
 Gain    (Volts)      (Volts)        (mV)         (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 100X -80.000000   -80.000145        0.145       35.500  P
 100X   0.000420     0.000485       -0.065       15.500  P
 100X  79.999908    79.999716        0.193       35.500  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
              MV Pedestal Check  30 Volt Range
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 Post      DMM         SP MV         Error        Limit  P
 Gain    (Volts)      (Volts)        (mV)         (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 1X   -25.000095   -24.999979       -0.116       14.250  P
 1X     0.000101     0.000054        0.048        8.000  P
 1X    25.000025    25.000080       -0.055       14.250  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 Post      DMM         SP MV         Error        Limit  P
 Gain    (Volts)      (Volts)        (mV)         (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 10X  -25.000114   -25.000074       -0.040       12.250  P
 10X    0.000090     0.000056        0.034        6.000  P
 10X   25.000024    25.000041       -0.017       12.250  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 Post      DMM         SP MV         Error        Limit  P
 Gain    (Volts)      (Volts)        (mV)         (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 100X -25.000144   -25.000154        0.010       11.250  P
 100X   0.000110     0.000070        0.040        5.000  P
 100X  25.000048    25.000099       -0.051       11.250  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
              MV Pedestal Check  10 Volt Range
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 Post      DMM         SP MV         Error        Limit  P
 Gain    (Volts)      (Volts)        (mV)         (mV)   F
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ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  1X    -8.000046    -8.000100       0.054       4.400  P
  1X    -0.000005     0.000070      -0.075       2.400  P
  1X     8.000070     8.000078      -0.009       4.400  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 Post      DMM         SP MV         Error       Limit  P
 Gain    (Volts)      (Volts)        (mV)        (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  10X   -8.000035    -8.000094       0.059       3.800  P
  10X   -0.000004    -0.000062       0.058       1.800  P
  10X    8.000066     8.000051       0.015       3.800  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 Post      DMM         SP MV         Error       Limit  P
 Gain    (Volts)      (Volts)        (mV)        (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 100X   -8.000031    -8.000077       0.045       3.500  P
 100X   -0.000005    -0.000081       0.076       1.500  P
 100X    8.000072     8.000008       0.064       3.500  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
                MI PGA Check 100 Volt Range
 IRange Gain     DMM         SP MI         Error      Limit  P
                (mA)         (mA)         (uA)       (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 500mA   10X  -47.497124   -47.499046      1.922     83.749  P
 500mA   10X    0.005606     0.003469      2.137     60.003  P
 500mA   10X   47.504138    47.501642      2.496     83.752  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI         Error      Limit  P
                (mA)         (mA)         (uA)       (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 500mA  100X   -4.747973    -4.749989      2.016     62.374  P
 500mA  100X    0.005919     0.003109      2.810     60.003  P
 500mA  100X    4.755652     4.752730      2.922     62.378  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
                MI PGA Check  30 Volt Range
 IRange Gain     DMM         SP MI         Error      Limit  P
                (mA)         (mA)         (uA)       (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   1A   10X  -94.994873   -95.000441      5.568    107.497  P
   1A   10X    0.003620    -0.002649      6.269     60.002  P
   1A   10X   95.010269    95.003915      6.355    107.505  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI         Error      Limit  P
                (mA)         (mA)         (uA)       (uA)   F
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   1A  100X   -9.500479    -9.505465      4.986     64.750  P
   1A  100X    0.002755    -0.002068      4.822     60.001  P
   1A  100X    9.507379     9.502527      4.853     64.754  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
                 (mA)        (mA)         (uA)       (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 100mA   10X   -9.499765    -9.500184      0.419     10.750  P
 100mA   10X    0.000493     0.000073      0.420      6.000  P
 100mA   10X    9.500884     9.500385      0.499     10.750  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
                 (uA)        (uA)         (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 100mA  100X -949.673529  -950.161294    487.765   6474.837  P
 100mA  100X    0.606211     0.068884    537.326   6000.303  P
 100mA  100X  950.757560   950.348077    409.483   6475.379  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
                 (uA)        (uA)         (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  10mA   10X -949.900277  -949.949204     48.927   1074.950  P
  10mA   10X    0.102576     0.053879     48.696    600.051  P
  10mA   10X  950.024609   949.970367     54.242   1075.012  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
                 (uA)        (uA)         (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  10mA  100X  -94.941133   -94.983537     42.404    647.471  P
  10mA  100X    0.112530     0.065018     47.512    600.056  P
  10mA  100X   95.070096    95.022350     47.746    647.535  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
                 (uA)        (uA)         (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   1mA   10X  -94.988445   -94.994512      6.067    107.494  P
   1mA   10X    0.010098     0.004604      5.495     60.005  P
   1mA   10X   95.008680    95.001970      6.710    107.504  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
                 (uA)        (uA)         (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   1mA  100X   -9.496447    -9.503415      6.968     69.496  P
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1mA	100X	0.012339	0.004473	7.867	60.012	P
1mA	100X	9.510522	9.502433	8.089	69.511	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	F
100uA	10X	-9.499249	-9.499999	0.750	21.499	P
100uA	10X	0.000984	0.000144	0.841	12.001	P
100uA	10X	9.501113	9.500370	0.743	21.501	P

IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	F
100uA	100X	-948.995535	-949.592495	0.597	12.949	P
100uA	100X	0.873415	0.207383	0.666	12.001	P
100uA	100X	951.402143	950.768733	0.633	12.951	P

IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	F
10uA	10X	-949.861317	-949.967004	0.106	8.950	P
10uA	10X	0.097691	-0.010695	0.108	8.000	P
10uA	10X	950.159603	950.069248	0.090	8.950	P

IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	F
10uA	100X	-94.663907	-94.769776	0.106	8.095	P
10uA	100X	0.108158	0.023375	0.085	8.000	P
10uA	100X	94.955912	94.856358	0.100	8.095	P

IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	F
1uA	10X	-95.041735	-95.081213	0.039	4.095	P
1uA	10X	-0.241771	-0.276689	0.035	4.000	P
1uA	10X	94.613906	94.573650	0.040	4.095	P

MI PGA Check 10 Volt Range

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	F
2A	10X	-189.999856	-190.006694	6.838	220.000	P
2A	10X	0.011809	0.004080	7.729	125.006	P

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   2A   10X  190.006629   189.995235     11.394    220.003  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (mA)        (mA)        (uA)      (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   2A  100X  -18.995460   -19.003217      7.757    134.498  P
   2A  100X    0.012555     0.005171      7.384    125.006  P
   2A  100X   19.022610    19.015663      6.947    134.511  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (mA)        (mA)        (uA)      (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 200ma   10X  -18.998490   -18.998376     -0.114     21.499  P
 200ma   10X    0.004118     0.003011      1.107     12.002  P
 200ma   10X   19.004100    19.003444      0.656     21.502  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (mA)        (mA)        (uA)      (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 200ma  100X   -1.898118    -1.898740      0.622     12.949  P
 200ma  100X    0.004168     0.003483      0.685     12.002  P
 200ma  100X    1.904687     1.904025      0.662     12.952  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (mA)        (mA)        (uA)      (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  20mA   10X   -1.899754    -1.899808      0.054      2.150  P
  20mA   10X    0.000229     0.000160      0.068      1.200  P
  20mA   10X    1.900170     1.900112      0.058      2.150  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (uA)        (uA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  20mA  100X -189.887629  -189.946149     58.520   1294.944  P
  20mA  100X    0.233686     0.165644     68.042   1200.117  P
  20mA  100X  190.328174   190.260150     68.024   1295.164  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (uA)        (uA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   2mA   10X -189.970560  -189.979601      9.041    219.985  P
   2mA   10X    0.021753     0.015670      6.083    125.011  P
   2mA   10X  190.029394   190.024537      4.857    220.015  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
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IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F
2mA	100X	-18.975707	-18.984634	8.927	143.976	P
2mA	100X	0.024124	0.015284	8.839	125.024	P
2mA	100X	19.037238	19.029685	7.553	144.037	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F
200uA	10X	-18.998317	-18.999442	1.124	33.998	P
200uA	10X	0.001719	0.001359	0.360	15.002	P
200uA	10X	19.002032	19.001072	0.960	34.002	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F
200uA	100X	-1.899256	-1.900161	0.905	16.899	P
200uA	100X	0.002172	0.001360	0.812	15.002	P
200uA	100X	1.901822	1.901111	0.711	16.902	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F
20uA	10X	-1.899743	-1.899845	0.102	11.900	P
20uA	10X	0.000325	0.000200	0.125	10.000	P
20uA	10X	1.900375	1.900203	0.171	11.900	P

IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	P F
20uA	100X	-189.804105	-189.909453	0.105	10.190	P
20uA	100X	0.316174	0.216092	0.100	10.000	P
20uA	100X	190.404251	190.313643	0.091	10.190	P

IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	P F
2uA	10X	-190.037561	-190.077450	0.040	6.190	P
2uA	10X	-0.040679	-0.073449	0.033	6.000	P
2uA	10X	189.979076	189.942268	0.037	6.190	P

IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	P F

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ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  2uA  100X  -18.986637   -19.020661      0.034      6.019  P
  2uA  100X   -0.014869    -0.048283      0.033      6.000  P
  2uA  100X   18.968419    18.935234      0.033      6.019  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
                Vmeter Check
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
             10 Volt Range with  1X
Source       DMM        SP MV       Error     Limit  P
(Volts)    (Volts)     (Volts)      (mV)      (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 -10.00   -9.999984  -10.000010     0.026     6.200  P
   0.00    0.000004   -0.000017     0.021     1.200  P
  10.00    9.999967    9.999971    -0.005     6.200  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
             10 Volt Range with 10X
Source       DMM        SP MV       Error     Limit  P
(Volts)    (Volts)     (Volts)      (mV)      (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  -0.95   -0.949967   -0.949977     0.010     1.075  P
   0.00   -0.000005   -0.000011     0.006     0.600  P
   0.95    0.950033    0.950027     0.006     1.075  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
             10 Volt Range with 100X
Source       DMM        SP MV       Error     Limit  P
(Volts)    (Volts)     (Volts)      (mV)      (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  -0.10   -0.094958   -0.094959     0.001     0.347  P
   0.00   -0.000007   -0.000008     0.002     0.300  P
   0.10    0.095026    0.095023     0.003     0.348  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
             30 Volt Range with  1X
Source       DMM        SP MV       Error     Limit  P
(Volts)    (Volts)     (Volts)      (mV)      (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 -30.00  -29.999871  -29.999876     0.004    19.000  P
   0.00    0.000114    0.000072     0.042     4.000  P
  30.00   29.999835   29.999734     0.101    19.000  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
             30 Volt Range with 10X
Source       DMM        SP MV       Error     Limit  P
(Volts)    (Volts)     (Volts)      (mV)      (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  -2.85   -2.850002   -2.850004     0.003     3.425  P
```

0.00	0.000143	0.000129	0.013	2.000	P
2.85	2.850048	2.850037	0.011	3.425	P

30 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-0.29	-0.284924	-0.284931	0.007	1.142	P
0.00	0.000134	0.000117	0.016	1.000	P
0.29	0.285231	0.285216	0.015	1.143	P

100 Volt Range with 1X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-100.00	-99.999332	-99.999202	-0.131	62.500	P
0.00	0.000518	0.000451	0.068	12.500	P
100.00	99.999718	99.999576	0.141	62.500	P

100 Volt Range with 10X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-9.50	-9.499513	-9.499601	0.088	10.750	P
0.00	0.000508	0.000460	0.049	6.000	P
9.50	9.500546	9.500471	0.075	10.750	P

100 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-0.95	-0.949511	-0.949598	0.087	3.475	P
0.00	0.000513	0.000491	0.023	3.000	P
0.95	0.950645	0.950618	0.027	3.475	P

1000 Volt Range with 10X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-95.00	-94.999893	-95.001243	1.349	107.500	P
0.00	0.000523	-0.000256	0.779	60.000	P
95.00	94.999618	94.999030	0.588	107.500	P

1000 Volt Range with 100X

```
Source       DMM        SP MV       Error     Limit  P
(Volts)    (Volts)     (Volts)      (mV)      (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  -9.50   -9.499476   -9.500000     0.524    34.750  P
   0.00    0.000551   -0.000248     0.799    30.000  P
   9.50    9.500546    9.499968     0.578    34.750  P
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                1000 Volt Range
Source       DMM        SP MV       Error     Limit  P
(Volts)    (Volts)     (Volts)      (mV)      (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
    0.0   -0.000090   -0.001148     1.058   125.000  P
  500.0  499.828634  499.825875     2.759   374.914  P
 1000.0  999.994086  999.995417    -1.330   624.997  P
Last Calibration Date: 10/26/22 12:04.53
(10/26/22 12:08.58 - CAL REV:2015)  CHK STATUS: PASS

  Cal SPU100 Pos02:  SN   REV 52
(10/26/22 12:13.21 - CAL REV:2015) *** CAL RAM UPDATED ***

Check SPU100 Pos02:  SN    REV 52


ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
        16-Bit Driver Mode Voltage Force Check
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
                   30 Volt Range
  Programmed       DMM         Error        Limit    P
    (Volts)      (Volts)       (mV)         (mV)     F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 -30.000000   -29.994526     5.474100    27.000000  P
 -26.000000   -25.997580     2.420400    25.000000  P
 -22.000000   -22.000165    -0.165000    23.000000  P
 -18.000000   -18.001741    -1.741400    21.000000  P
 -10.000000   -10.003261    -3.261100    17.000000  P
   0.000000    -0.003829    -3.828969    12.000000  P
  10.000000     9.998528    -1.472470    17.000000  P
  18.000000    17.999368    -0.632300    21.000000  P
  22.000000    22.001253     1.253100    23.000000  P
  26.000000    26.001157     1.156800    25.000000  P
  30.000000    30.001270     1.270300    27.000000  P
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                   10 Volt Range
  Programmed       DMM         Error        Limit    P
```

(Volts)	(Volts)	(mV)	(mV)	F
-10.000000	-9.998211	1.788620	13.000000	P
-8.000000	-7.999488	0.511650	12.000000	P
-6.000000	-6.000256	-0.256060	11.000000	P
-4.000000	-4.000254	-0.254390	10.000000	P
-2.000000	-2.001008	-1.008270	9.000000	P
0.000000	-0.000996	-0.996467	8.000000	P
2.000000	1.999324	-0.675920	9.000000	P
4.000000	3.999844	-0.155930	10.000000	P
6.000000	6.000530	0.529530	11.000000	P
8.000000	8.000502	0.501630	12.000000	P
10.000000	10.001118	1.118200	13.000000	P

18-Bit Driver Mode Voltage Force Check

30 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-30.000000	-29.999621	0.378600	13.500000	P
-15.000000	-15.000402	-0.401500	9.750000	P
0.000000	0.000276	0.275810	6.000000	P
15.000000	15.000539	0.538800	9.750000	P
30.000000	29.999615	-0.385300	13.500000	P

10 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-10.000000	-9.999901	0.099180	6.500000	P
-5.000000	-5.000119	-0.119210	5.250000	P
0.000000	0.000093	0.092504	4.000000	P
5.000000	5.000196	0.196460	5.250000	P
10.000000	9.999997	-0.002860	6.500000	P

V/I Mode Voltage Force/Measure Check

100 Volt Range

Program (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-100.0	-99.999813	0.187	37.500	P	-99.999455	-0.358	37.500	P
-50.0	-50.000906	-0.906	25.000	P	-50.000608	-0.298	25.000	P

0.0	0.000498	0.498	12.500	P	0.000798	-0.300	12.500	P
50.0	50.001141	1.141	25.000	P	50.000724	0.417	25.000	P
100.0	100.000015	0.015	37.500	P	100.000354	-0.339	37.500	P

30 Volt Range

Program (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P	SP MV (Volts)	Error (mV)	Limit (mV)	P
-30.0	-29.999991	0.009	10.000	P	-29.999806	-0.185	10.000	P
-15.0	-15.000158	-0.158	6.250	P	-15.000199	0.041	6.250	P
0.0	0.000158	0.158	2.500	P	0.000119	0.038	2.500	P
15.0	15.000262	0.262	6.250	P	15.000422	-0.160	6.250	P
30.0	29.999911	-0.089	10.000	P	29.999871	0.040	10.000	P

10 Volt Range

Program (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P	SP MV (Volts)	Error (mV)	Limit (mV)	P
-10.0	-10.000056	-0.056	3.300	P	-10.000018	-0.038	3.300	P
-5.0	-5.000008	-0.008	2.050	P	-5.000004	-0.004	2.050	P
0.0	0.000033	0.033	0.800	P	0.000055	-0.022	0.800	P
5.0	5.000073	0.073	2.050	P	5.000137	-0.065	2.050	P
10.0	9.999983	-0.017	3.300	P	9.999973	0.010	3.300	P

V/I Mode Current Force/Measure Check 100V - 500mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P	SP MI (mA)	Error (uA)	Limit (uA)	P
-500.0	-499.988437	11.563	375.000	P	-499.999656	11.219	374.994	P
-250.0	-249.995477	4.523	250.000	P	-250.001201	5.724	249.998	P
0.0	0.000870	0.870	125.000	P	-0.001493	2.362	125.000	P
250.0	250.001796	1.796	250.000	P	250.001364	0.432	250.001	P
500.0	499.986425	-13.575	375.000	P	499.996720	-10.295	374.993	P

V/I Mode Current Force/Measure Check 30V - 1A Range

Program (A)	DMM (A)	Error (mA)	Limit (mA)	P	SP MI (A)	Error (mA)	Limit (mA)	P
-0.9	-0.949981	0.019	0.600	P	-0.950003	0.023	0.600	P
-0.5	-0.474987	0.013	0.363	P	-0.474997	0.009	0.362	P
0.0	0.000001	0.001	0.125	P	-0.000004	0.006	0.125	P
0.5	0.475002	0.002	0.363	P	0.475004	-0.001	0.363	P
0.9	0.949984	-0.016	0.600	P	0.950000	-0.016	0.600	P

V/I Mode Current Force/Measure Check 30V - 100mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-100.0	-99.997889	2.111	62.500	P	-99.999976	2.087	62.499	P
-50.0	-49.998827	1.173	37.500	P	-49.999877	1.050	37.499	P
0.0	0.000477	0.477	12.500	P	-0.000270	0.747	12.500	P
50.0	49.999749	-0.251	37.500	P	50.000029	-0.280	37.500	P
100.0	99.998578	-1.422	62.500	P	99.999322	-0.744	62.499	P

V/I Mode Current Force/Measure Check 30V - 10mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-10.0	-9.999965	0.035	6.250	P	-9.999999	0.034	6.250	P
-5.0	-4.999950	0.050	3.750	P	-4.999970	0.020	3.750	P
0.0	-0.000008	-0.008	1.250	P	-0.000099	0.091	1.250	P
5.0	5.000048	0.048	3.750	P	5.000039	0.009	3.750	P
10.0	10.000017	0.017	6.250	P	10.000006	0.011	6.250	P

V/I Mode Current Force/Measure Check 30V - 1mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-1.0	-0.999997	0.003	0.625	P	-0.999999	0.002	0.625	P
-0.5	-0.500000	-0.000	0.375	P	-0.500000	0.000	0.375	P
0.0	-0.000002	-0.002	0.125	P	-0.000008	0.006	0.125	P
0.5	0.500005	0.005	0.375	P	0.500003	0.002	0.375	P
1.0	0.999994	-0.006	0.625	P	1.000002	-0.008	0.625	P

V/I Mode Current Force/Measure Check 30V - 100uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-100.0	-100.000427	-0.427	75.000	P	-100.000336	-0.091	70.000	P
-50.0	-49.999795	0.205	50.000	P	-49.999342	-0.453	45.000	P
0.0	0.000546	0.546	25.000	P	-0.000416	0.963	20.000	P
50.0	50.000184	0.184	50.000	P	50.000026	0.158	45.000	P
100.0	100.000230	0.230	75.000	P	100.000471	-0.241	70.000	P

V/I Mode Current Force/Measure Check 30V - 10uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F

-10.0 -10.000128 -0.128 20.000 P -10.000000 -0.128 17.000 P
0.0 -0.000091 -0.091 10.000 P -0.000017 -0.075 12.000 P
10.0 9.999922 -0.078 20.000 P 10.000102 -0.180 17.000 P

V/I Mode Current Force/Measure Check 30V - 1uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-1.0	-1.000071	-0.071	6.000	P	-0.999998	-0.073	8.500	P
0.0	-0.000049	-0.049	5.000	P	0.000005	-0.054	8.000	P
1.0	0.999964	-0.036	6.000	P	0.999998	-0.034	8.500	P

V/I Mode Current Force/Measure Check 10V - 2A Range

Program (A)	DMM (A)	Error (mA)	Limit (mA)	P F	SP MI (A)	Error (mA)	Limit (mA)	P F
-0.9	-0.949976	0.024	0.725	P	-0.950004	0.027	0.725	P
-0.5	-0.474986	0.014	0.488	P	-0.475002	0.017	0.487	P
0.0	0.000004	0.004	0.250	P	-0.000004	0.008	0.250	P
0.5	0.475005	0.005	0.488	P	0.475005	-0.001	0.488	P
0.9	0.949971	-0.029	0.725	P	0.949981	-0.010	0.725	P

V/I Mode Current Force/Measure Check 10V - 200ma Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-200.0	-199.999064	0.936	125.000	P	-200.000620	1.556	125.000	P
-100.0	-99.997312	2.688	75.000	P	-100.001077	3.766	74.999	P
0.0	0.000229	0.229	25.000	P	-0.000775	1.004	25.000	P
100.0	100.000929	0.929	75.000	P	100.001192	-0.263	75.000	P
200.0	199.996911	-3.089	125.000	P	199.998461	-1.550	124.998	P

V/I Mode Current Force/Measure Check 10V - 20mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-20.0	-20.000014	-0.014	12.500	P	-19.999961	-0.053	12.500	P
-10.0	-9.999948	0.052	7.500	P	-9.999982	0.034	7.500	P
0.0	0.000057	0.057	2.500	P	-0.000130	0.186	2.500	P
10.0	10.000118	0.118	7.500	P	10.000079	0.039	7.500	P
20.0	19.999998	-0.002	12.500	P	19.999951	0.047	12.500	P

V/I Mode Current Force/Measure Check 10V - 2mA Range

Program	DMM	Error	Limit	P	SP MI	Error	Limit	P

(mA)	(mA)	(uA)	(uA)	F	(mA)	(uA)	(uA)	F
-2.0	-2.000001	-0.001	1.250	P	-2.000009	0.008	1.250	P
-1.0	-0.999998	0.002	0.750	P	-0.999994	-0.004	0.750	P
0.0	0.000010	0.010	0.250	P	-0.000019	0.030	0.250	P
1.0	0.999988	-0.012	0.750	P	0.999993	-0.005	0.750	P
2.0	1.999988	-0.012	1.250	P	2.000000	-0.012	1.250	P

V/I Mode Current Force/Measure Check 10V - 200uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-200.0	-200.003524	-3.524	120.000	P	-200.001247	-2.277	125.002	P
-100.0	-100.002631	-2.631	70.000	P	-100.000060	-2.571	75.001	P
0.0	0.000443	0.443	20.000	P	-0.001405	1.848	25.000	P
100.0	99.997724	-2.276	70.000	P	99.999876	-2.152	74.999	P
200.0	200.002571	2.571	120.000	P	200.000293	2.278	125.001	P

V/I Mode Current Force/Measure Check 10V - 20uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-20.0	-20.000380	-0.380	27.000	P	-19.999973	-0.406	25.000	P
0.0	-0.000501	-0.501	7.000	P	0.000010	-0.511	15.000	P
20.0	19.999829	-0.171	27.000	P	20.000201	-0.372	25.000	P

V/I Mode Current Force/Measure Check 10V - 2uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-2.0	-2.000084	-0.084	7.000	P	-2.000009	-0.075	13.000	P
0.0	-0.000047	-0.047	5.000	P	0.000001	-0.048	12.000	P
2.0	1.999971	-0.029	7.000	P	1.999998	-0.027	13.000	P

MV PGA Check 100 Volt Range

Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-9.499858	-9.499861	0.003	8.375	P
10X	0.000531	0.000527	0.003	6.000	P
10X	9.500814	9.500751	0.063	8.375	P
100X	-0.950103	-0.950093	-0.010	6.238	P

100X 0.000492 0.000464 0.028 6.000 P
100X 0.950156 0.950096 0.060 6.238 P

MV PGA Check 30 Volt Range

Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-2.849861	-2.849853	-0.008	2.712	P
10X	0.000165	0.000164	0.001	2.000	P
10X	2.850157	2.850150	0.006	2.713	P
100X	-0.284897	-0.284892	-0.005	2.071	P
100X	0.000149	0.000154	-0.005	2.000	P
100X	0.285150	0.285152	-0.002	2.071	P

MV PGA Check 10 Volt Range

Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-0.950040	-0.950025	-0.015	0.838	P
10X	0.000025	0.000029	-0.004	0.600	P
10X	0.949996	0.949999	-0.002	0.837	P
100X	-0.094978	-0.094971	-0.007	0.624	P
100X	0.000025	0.000030	-0.005	0.600	P
100X	0.095015	0.095017	-0.002	0.624	P

MV Pedestal Check 100 Volt Range

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
1X	-80.002281	-80.002147	-0.134	45.001	P
1X	0.003108	0.002476	0.632	25.001	P
1X	80.008572	80.008593	-0.021	45.002	P

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-80.002014	-80.001184	-0.830	38.501	P
10X	0.003114	0.002941	0.172	18.501	P
10X	80.008507	80.008783	-0.276	38.502	P

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
100X	-80.001801	-80.001676	-0.124	35.500	P
100X	0.003080	0.002897	0.184	15.501	P
100X	80.008434	80.008655	-0.220	35.502	P

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MV Pedestal Check 30 Volt Range

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
1X	-25.000770	-25.000455	-0.315	14.250	P
1X	0.001003	0.000968	0.035	8.000	P
1X	25.002496	25.002422	0.074	14.251	P

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-25.000861	-25.000767	-0.094	12.250	P
10X	0.000986	0.001049	-0.063	6.000	P
10X	25.002489	25.002695	-0.206	12.251	P

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
100X	-25.000809	-25.000760	-0.049	11.250	P
100X	0.000995	0.001016	-0.020	5.000	P
100X	25.002476	25.002636	-0.161	11.251	P

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MV Pedestal Check 10 Volt Range

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
1X	-8.000227	-8.000127	-0.100	4.400	P
1X	0.000260	0.000244	0.015	2.400	P
1X	8.000752	8.000763	-0.010	4.400	P

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-8.000215	-8.000129	-0.086	3.800	P

10X	0.000271	0.000251	0.021	1.800 P
10X	8.000756	8.000754	0.001	3.800 P

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV) F
100X	-8.000214	-8.000133	-0.081	3.500 P
100X	0.000260	0.000243	0.017	1.500 P
100X	8.000750	8.000786	-0.036	3.500 P

MI PGA Check 100 Volt Range

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA) F
500mA	10X	-47.496870	-47.497263	0.393	83.748 P
500mA	10X	0.002945	0.003718	-0.773	60.001 P
500mA	10X	47.504624	47.505362	-0.738	83.752 P

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA) F
500mA	100X	-4.744969	-4.745274	0.306	62.372 P
500mA	100X	0.003398	0.003692	-0.295	60.002 P
500mA	100X	4.753287	4.753266	0.021	62.377 P

MI PGA Check 30 Volt Range

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA) F
1A	10X	-95.000479	-95.002821	2.342	107.500 P
1A	10X	0.000283	-0.000091	0.374	60.000 P
1A	10X	94.998494	94.998857	-0.363	107.499 P

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA) F
1A	100X	-9.497080	-9.498530	1.449	64.749 P
1A	100X	0.000399	-0.000204	0.604	60.000 P
1A	100X	9.500013	9.498398	1.615	64.750 P

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA) F
100mA	10X	-9.499669	-9.499971	0.302	10.750 P

100mA 10X 0.000335 0.000104 0.232 6.000 P
100mA 10X 9.499903 9.499758 0.145 10.750 P

IRange Gain DMM SP MI Error Limit P
(uA) (uA) (nA) (nA) F

100mA 100X -949.594774 -949.790846 196.072 6474.797 P
100mA 100X 0.316164 0.496419 -180.255 6000.158 P
100mA 100X 949.795533 950.037139 -241.606 6474.898 P

IRange Gain DMM SP MI Error Limit P
(uA) (uA) (nA) (nA) F

10mA 10X -949.992042 -950.008358 16.316 1074.996 P
10mA 10X -0.022359 -0.044045 21.685 600.011 P
10mA 10X 950.061512 950.033751 27.761 1075.031 P

IRange Gain DMM SP MI Error Limit P
(uA) (uA) (nA) (nA) F

10mA 100X -94.967207 -94.961388 -5.819 647.484 P
10mA 100X -0.022971 -0.023327 0.356 600.011 P
10mA 100X 95.036721 95.026758 9.963 647.518 P

IRange Gain DMM SP MI Error Limit P
(uA) (uA) (nA) (nA) F

1mA 10X -95.004347 -95.001689 -2.658 107.502 P
1mA 10X -0.002654 -0.002323 -0.331 60.001 P
1mA 10X 95.002168 95.000904 1.263 107.501 P

IRange Gain DMM SP MI Error Limit P
(uA) (uA) (nA) (nA) F

1mA 100X -9.497958 -9.498405 0.447 69.498 P
1mA 100X -0.001591 -0.003386 1.796 60.002 P
1mA 100X 9.497345 9.494563 2.782 69.497 P

IRange Gain DMM SP MI Error Limit P
(uA) (uA) (nA) (nA) F

100uA 10X -9.499836 -9.499978 0.142 21.500 P
100uA 10X 0.000113 0.000180 -0.067 12.000 P
100uA 10X 9.500633 9.500354 0.280 21.501 P

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IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	P F
100uA	100X	-949.821612	-949.837744	0.016	12.950	P
100uA	100X	0.322601	0.164672	0.158	12.000	P
100uA	100X	950.004392	949.874727	0.130	12.950	P

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IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	P F
10uA	10X	-949.985917	-949.982632	-0.003	8.950	P
10uA	10X	-0.067475	-0.072824	0.005	8.000	P
10uA	10X	950.038157	950.024702	0.013	8.950	P

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IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	P F
10uA	100X	-94.722353	-94.715042	-0.007	8.095	P
10uA	100X	-0.024105	-0.029725	0.006	8.000	P
10uA	100X	94.810805	94.818455	-0.008	8.095	P

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IRange	Gain	DMM (nA)	SP MI (nA)	Error (nA)	Limit (nA)	P F
1uA	10X	-95.090776	-95.083989	-0.007	4.095	P
1uA	10X	-0.303183	-0.307450	0.004	4.000	P
1uA	10X	94.535221	94.523271	0.012	4.095	P

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MI PGA Check 10 Volt Range

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
2A	10X	-189.998940	-190.004962	6.022	219.999	P
2A	10X	0.001648	-0.001008	2.656	125.001	P
2A	10X	190.008782	190.013313	-4.531	220.004	P

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IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
2A	100X	-18.989809	-18.989873	0.065	134.495	P
2A	100X	0.004312	0.003361	0.950	125.002	P
2A	100X	19.002567	19.001191	1.376	134.501	P

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IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
200ma	10X	-18.996455	-18.996717	0.262	21.498	P
200ma	10X	0.002811	0.002937	-0.126	12.001	P
200ma	10X	19.002765	19.003466	-0.701	21.501	P

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
200ma	100X	-1.897033	-1.896972	-0.060	12.949	P
200ma	100X	0.002913	0.003008	-0.095	12.001	P
200ma	100X	1.903320	1.903312	0.008	12.952	P

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
20mA	10X	-1.899997	-1.899999	0.002	2.150	P
20mA	10X	0.000066	0.000070	-0.003	1.200	P
20mA	10X	1.900040	1.900033	0.007	2.150	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F
20mA	100X	-189.954684	-189.981759	27.075	1294.977	P
20mA	100X	0.081443	0.059585	21.858	1200.041	P
20mA	100X	190.030514	190.004082	26.432	1295.015	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F
2mA	10X	-189.976032	-189.974627	-1.405	219.988	P
2mA	10X	0.006746	0.009417	-2.670	125.003	P
2mA	10X	190.011866	190.010004	1.862	220.006	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F
2mA	100X	-18.980792	-18.981432	0.640	143.981	P
2mA	100X	0.007891	0.007980	-0.089	125.008	P
2mA	100X	19.018285	19.017445	0.839	144.018	P

IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F

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 200uA   10X  -18.999646   -18.999640     -0.006     34.000  P
 200uA   10X    0.000160     0.000658     -0.498     15.000  P
 200uA   10X   19.001611    19.001238      0.372     34.002  P
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 IRange Gain     DMM         SP MI        Error      Limit  P
                 (uA)        (uA)         (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 200uA  100X   -1.899345    -1.899505      0.160     16.899  P
 200uA  100X    0.000762     0.000633      0.129     15.001  P
 200uA  100X    1.901321     1.901322     -0.001     16.901  P
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 IRange Gain     DMM         SP MI        Error      Limit  P
                 (uA)        (uA)         (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  20uA   10X   -1.900130    -1.900136      0.006     11.900  P
  20uA   10X   -0.000169    -0.000197      0.028     10.000  P
  20uA   10X    1.899913     1.899893      0.020     11.900  P
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 IRange Gain     DMM         SP MI        Error      Limit  P
                 (nA)        (nA)         (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  20uA  100X -190.085579  -190.065492     -0.020     10.190  P
  20uA  100X   -0.182703    -0.179510     -0.003     10.000  P
  20uA  100X  189.923803   189.931634     -0.008     10.190  P
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 IRange Gain     DMM         SP MI        Error      Limit  P
                 (nA)        (nA)         (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   2uA   10X -190.131900  -190.139508      0.008      6.190  P
   2uA   10X   -0.133608    -0.138254      0.005      6.000  P
   2uA   10X  189.890770   189.880688      0.010      6.190  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
                 (nA)        (nA)         (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   2uA  100X  -19.064082   -19.071436      0.007      6.019  P
   2uA  100X   -0.107801    -0.118016      0.010      6.000  P
   2uA  100X   18.858220    18.851742      0.006      6.019  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
                  Vmeter Check
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
              10 Volt Range with  1X
Source       DMM         SP MV       Error      Limit  P
```

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	F
-10.00	-10.000318	-10.000320	0.003	6.200	P
0.00	0.000269	0.000312	-0.043	1.200	P
10.00	10.000824	10.000810	0.014	6.200	P

10 Volt Range with 10X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	F
-0.95	-0.949808	-0.949799	-0.009	1.075	P
0.00	0.000263	0.000264	-0.000	0.600	P
0.95	0.950328	0.950334	-0.007	1.075	P

10 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	F
-0.10	-0.094750	-0.094740	-0.010	0.347	P
0.00	0.000264	0.000274	-0.011	0.300	P
0.10	0.095278	0.095292	-0.014	0.348	P

30 Volt Range with 1X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	F
-30.00	-30.001071	-30.001007	-0.064	19.001	P
0.00	0.001041	0.001137	-0.096	4.001	P
30.00	30.002605	30.002696	-0.091	19.001	P

30 Volt Range with 10X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	F
-2.85	-2.849205	-2.849208	0.002	3.425	P
0.00	0.001050	0.001053	-0.003	2.001	P
2.85	2.851075	2.851102	-0.027	3.426	P

30 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	F
-0.29	-0.283980	-0.283956	-0.024	1.142	P
0.00	0.001033	0.001043	-0.010	1.001	P

0.29 0.286081 0.286130 -0.049 1.143 P

100 Volt Range with 1X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-100.00	-100.003208	-100.003064	-0.144	62.502	P
0.00	0.003076	0.003548	-0.471	12.502	P
100.00	100.008995	100.009111	-0.116	62.504	P

100 Volt Range with 10X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-9.50	-9.497598	-9.497455	-0.143	10.749	P
0.00	0.003158	0.003159	-0.000	6.002	P
9.50	9.503854	9.503878	-0.024	10.752	P

100 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-0.95	-0.946857	-0.946745	-0.112	3.473	P
0.00	0.003120	0.003115	0.005	3.002	P
0.95	0.953188	0.953308	-0.119	3.477	P

1000 Volt Range with 10X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-95.00	-95.003471	-95.002900	-0.571	107.502	P
0.00	0.003076	0.003397	-0.321	60.002	P
95.00	95.009026	95.008712	0.313	107.505	P

1000 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-9.50	-9.497634	-9.497296	-0.338	34.749	P
0.00	0.003135	0.003466	-0.331	30.002	P
9.50	9.503847	9.503898	-0.051	34.752	P

1000 Volt Range

Source	DMM	SP MV	Error	Limit	P

(Volts) (Volts) (Volts) (mV) (mV) F
ÍÍ
  0.0 -0.000072 0.003221 -3.294 125.000 P
 500.0 499.831785 499.830034 1.751 374.916 P
1000.0 1000.004302 1000.002105 2.198 625.002 P
Last Calibration Date: 10/26/22 12:13.21
(10/26/22 12:17.25 - CAL REV:2015) CHK STATUS: PASS

 Cal SPU100 Pos03: SN REV 52
(10/26/22 12:21.44 - CAL REV:2015) *** CAL RAM UPDATED ***

Check SPU100 Pos03: SN REV 52

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      16-Bit Driver Mode Voltage Force Check
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                30 Volt Range
 Programmed DMM Error Limit P
  (Volts) (Volts) (mV) (mV) F
ÍÍ
-30.000000 -29.994814 5.186100 27.000000 P
-26.000000 -25.999404 0.596000 25.000000 P
-22.000000 -22.002270 -2.269700 23.000000 P
-18.000000 -18.003224 -3.224400 21.000000 P
-10.000000 -10.003707 -3.706900 17.000000 P
  0.000000 -0.003899 -3.899473 12.000000 P
 10.000000 9.997694 -2.305510 17.000000 P
 18.000000 17.999514 -0.486400 21.000000 P
 22.000000 22.001173 1.173000 23.000000 P
 26.000000 26.001893 1.893000 25.000000 P
 30.000000 30.001507 1.506800 27.000000 P
ÍÍ
                10 Volt Range
 Programmed DMM Error Limit P
  (Volts) (Volts) (mV) (mV) F
ÍÍ
-10.000000 -9.998322 1.678470 13.000000 P
 -8.000000 -8.000102 -0.101570 12.000000 P
 -6.000000 -6.000855 -0.854730 11.000000 P
 -4.000000 -4.000732 -0.731710 10.000000 P
 -2.000000 -2.000729 -0.729080 9.000000 P
  0.000000 -0.001067 -1.067231 8.000000 P
  2.000000 1.999254 -0.745710 9.000000 P

4.000000	3.999555	-0.444530	10.000000 P
6.000000	6.000016	0.016450	11.000000 P
8.000000	8.000541	0.540730	12.000000 P
10.000000	10.000792	0.792500	13.000000 P

18-Bit Driver Mode Voltage Force Check

30 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-30.000000	-30.000328	-0.328100	13.500000	P
-15.000000	-15.001471	-1.471500	9.750000	P
0.000000	0.000536	0.536100	6.000000	P
15.000000	15.001024	1.024200	9.750000	P
30.000000	29.999682	-0.318500	13.500000	P

10 Volt Range

Programmed (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F
-10.000000	-9.999775	0.225070	6.500000	P
-5.000000	-5.000339	-0.339030	5.250000	P
0.000000	0.000139	0.138778	4.000000	P
5.000000	5.000304	0.303980	5.250000	P
10.000000	9.999827	-0.172620	6.500000	P

V/I Mode Voltage Force/Measure Check

100 Volt Range

Program (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-100.0	-100.000076	-0.076	37.500	P	-100.000190	0.114	37.500	P
-50.0	-50.000546	-0.546	25.000	P	-50.000299	-0.246	25.000	P
0.0	-0.000087	-0.087	12.500	P	-0.000028	-0.059	12.500	P
50.0	50.000538	0.538	25.000	P	50.000543	-0.005	25.000	P
100.0	99.999435	-0.565	37.500	P	99.999629	-0.194	37.500	P

30 Volt Range

Program (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-30.0	-29.999972	0.028	10.000	P	-30.000057	0.084	10.000	P

-15.0	-14.999924	0.076	6.250	P	-14.999986	0.062	6.250	P
0.0	0.000088	0.088	2.500	P	0.000055	0.033	2.500	P
15.0	15.000088	0.088	6.250	P	15.000135	-0.047	6.250	P
30.0	29.999888	-0.113	10.000	P	29.999844	0.043	10.000	P

10 Volt Range

Program (Volts)	DMM (Volts)	Error (mV)	Limit (mV)	P F	SP MV (Volts)	Error (mV)	Limit (mV)	P F
-10.0	-9.999976	0.024	3.300	P	-10.000011	0.035	3.300	P
-5.0	-4.999994	0.006	2.050	P	-5.000032	0.038	2.050	P
0.0	0.000024	0.024	0.800	P	0.000014	0.011	0.800	P
5.0	5.000016	0.016	2.050	P	5.000087	-0.070	2.050	P
10.0	9.999914	-0.086	3.300	P	9.999961	-0.047	3.300	P

V/I Mode Current Force/Measure Check 100V - 500mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-500.0	-500.009000	-9.000	375.000	P	-500.001496	-7.504	375.005	P
-250.0	-250.009209	-9.209	250.000	P	-249.999191	-10.018	250.005	P
0.0	-0.003936	-3.936	125.000	P	-0.002130	-1.806	125.002	P
250.0	250.010729	10.729	250.000	P	249.997171	13.558	250.005	P
500.0	500.006557	6.557	375.000	P	500.002410	4.147	375.003	P

V/I Mode Current Force/Measure Check 30V - 1A Range

Program (A)	DMM (A)	Error (mA)	Limit (mA)	P F	SP MI (A)	Error (mA)	Limit (mA)	P F
-0.9	-0.950025	-0.025	0.600	P	-0.950008	-0.017	0.600	P
-0.5	-0.475014	-0.014	0.363	P	-0.475001	-0.013	0.363	P
0.0	-0.000001	-0.001	0.125	P	-0.000001	-0.000	0.125	P
0.5	0.475009	0.009	0.363	P	0.474999	0.010	0.363	P
0.9	0.950015	0.015	0.600	P	0.949998	0.017	0.600	P

V/I Mode Current Force/Measure Check 30V - 100mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-100.0	-100.001432	-1.432	62.500	P	-99.999857	-1.575	62.501	P
-50.0	-50.000288	-0.288	37.500	P	-49.999266	-1.021	37.500	P
0.0	-0.000065	-0.065	12.500	P	-0.000127	0.063	12.500	P
50.0	50.001647	1.647	37.500	P	50.000520	1.128	37.501	P
100.0	100.001290	1.290	62.500	P	99.999664	1.626	62.501	P

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V/I Mode Current Force/Measure Check 30V - 10mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-10.0	-10.000023	-0.023	6.250	P	-10.000012	-0.011	6.250	P
-5.0	-5.000006	-0.006	3.750	P	-4.999915	-0.092	3.750	P
0.0	-0.000009	-0.009	1.250	P	-0.000014	0.006	1.250	P
5.0	5.000037	0.037	3.750	P	4.999950	0.087	3.750	P
10.0	10.000006	0.006	6.250	P	9.999987	0.018	6.250	P

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V/I Mode Current Force/Measure Check 30V - 1mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P F	SP MI (mA)	Error (uA)	Limit (uA)	P F
-1.0	-1.000002	-0.002	0.625	P	-1.000003	0.001	0.625	P
-0.5	-0.500001	-0.001	0.375	P	-0.499996	-0.005	0.375	P
0.0	0.000001	0.001	0.125	P	-0.000003	0.005	0.125	P
0.5	0.500002	0.002	0.375	P	0.499995	0.007	0.375	P
1.0	1.000008	0.008	0.625	P	1.000005	0.003	0.625	P

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V/I Mode Current Force/Measure Check 30V - 100uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-100.0	-100.000027	-0.027	75.000	P	-100.000346	0.319	70.000	P
-50.0	-50.000095	-0.095	50.000	P	-49.999627	-0.468	45.000	P
0.0	0.000574	0.574	25.000	P	-0.000089	0.664	20.000	P
50.0	50.000210	0.210	50.000	P	49.999570	0.639	45.000	P
100.0	100.000085	0.085	75.000	P	100.000157	-0.072	70.000	P

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V/I Mode Current Force/Measure Check 30V - 10uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-10.0	-10.000028	-0.028	20.000	P	-9.999981	-0.047	17.000	P
0.0	-0.000005	-0.005	10.000	P	0.000009	-0.014	12.000	P
10.0	9.999997	-0.003	20.000	P	10.000050	-0.053	17.000	P

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V/I Mode Current Force/Measure Check 30V - 1uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-1.0	-1.000074	-0.074	6.000	P	-1.000007	-0.068	8.500	P

0.0	-0.000043	-0.043	5.000	P	0.000000	-0.044	8.000	P
1.0	0.999947	-0.053	6.000	P	0.999998	-0.051	8.500	P

V/I Mode Current Force/Measure Check 10V - 2A Range

Program (A)	DMM (A)	Error (mA)	Limit (mA)	P	SP MI (A)	Error (mA)	Limit (mA)	P
-0.9	-0.950018	-0.018	0.725	P	-0.950013	-0.005	0.725	P
-0.5	-0.475004	-0.004	0.488	P	-0.474996	-0.008	0.488	P
0.0	-0.000007	-0.007	0.250	P	-0.000010	0.003	0.250	P
0.5	0.475014	0.014	0.488	P	0.474997	0.018	0.488	P
0.9	0.950006	0.006	0.725	P	0.949996	0.010	0.725	P

V/I Mode Current Force/Measure Check 10V - 200ma Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P	SP MI (mA)	Error (uA)	Limit (uA)	P
-200.0	-200.004734	-4.734	125.000	P	-200.000664	-4.070	125.002	P
-100.0	-99.998821	1.179	75.000	P	-100.000022	1.202	74.999	P
0.0	-0.001373	-1.373	25.000	P	-0.000840	-0.534	25.001	P
100.0	100.005001	5.001	75.000	P	100.000189	4.812	75.003	P
200.0	200.004511	4.511	125.000	P	199.998383	6.128	125.002	P

V/I Mode Current Force/Measure Check 10V - 20mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P	SP MI (mA)	Error (uA)	Limit (uA)	P
-20.0	-20.000083	-0.083	12.500	P	-20.000098	0.015	12.500	P
-10.0	-10.000094	-0.094	7.500	P	-9.999929	-0.166	7.500	P
0.0	0.000259	0.259	2.500	P	-0.000034	0.293	2.500	P
10.0	9.999953	-0.047	7.500	P	9.999752	0.201	7.500	P
20.0	20.000039	0.039	12.500	P	19.999797	0.242	12.500	P

V/I Mode Current Force/Measure Check 10V - 2mA Range

Program (mA)	DMM (mA)	Error (uA)	Limit (uA)	P	SP MI (mA)	Error (uA)	Limit (uA)	P
-2.0	-2.000006	-0.006	1.250	P	-2.000000	-0.007	1.250	P
-1.0	-1.000006	-0.006	0.750	P	-0.999987	-0.019	0.750	P
0.0	-0.000004	-0.004	0.250	P	-0.000003	-0.000	0.250	P
1.0	0.999986	-0.014	0.750	P	0.999986	0.000	0.750	P
2.0	2.000000	-0.000	1.250	P	1.999999	0.000	1.250	P

V/I Mode Current Force/Measure Check 10V - 200uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-200.0	-200.001559	-1.559	120.000	P	-200.000802	-0.757	125.001	P
-100.0	-99.999044	0.956	70.000	P	-99.997863	-1.182	75.000	P
0.0	-0.000792	-0.792	20.000	P	-0.000475	-0.318	25.000	P
100.0	100.000136	0.136	70.000	P	99.998880	1.256	75.000	P
200.0	199.999486	-0.514	120.000	P	200.000820	-1.334	125.000	P

V/I Mode Current Force/Measure Check 10V - 20uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-20.0	-20.000081	-0.081	27.000	P	-19.999942	-0.139	25.000	P
0.0	-0.000170	-0.170	7.000	P	0.000052	-0.223	15.000	P
20.0	20.000373	0.373	27.000	P	20.000075	0.298	25.000	P

V/I Mode Current Force/Measure Check 10V - 2uA Range

Program (uA)	DMM (uA)	Error (nA)	Limit (nA)	P F	SP MI (uA)	Error (nA)	Limit (nA)	P F
-2.0	-1.999999	0.001	7.000	P	-2.000007	0.009	13.000	P
0.0	-0.000024	-0.024	5.000	P	0.000003	-0.028	12.000	P
2.0	1.999971	-0.029	7.000	P	1.999994	-0.024	13.000	P

MV PGA Check 100 Volt Range

Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-9.500013	-9.500020	0.007	8.375	P
10X	-0.000057	-0.000068	0.010	6.000	P
10X	9.499823	9.499872	-0.050	8.375	P
100X	-0.950046	-0.950041	-0.006	6.238	P
100X	-0.000038	-0.000096	0.058	6.000	P
100X	0.950004	0.949967	0.037	6.238	P

MV PGA Check 30 Volt Range

Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-2.849990	-2.849989	-0.001	2.712	P

10X	0.000070	0.000081	-0.011	2.000	P
10X	2.850068	2.850102	-0.033	2.713	P

100X	-0.284937	-0.284968	0.030	2.071	P
100X	0.000055	0.000057	-0.002	2.000	P
100X	0.285111	0.285111	-0.000	2.071	P

MV PGA Check 10 Volt Range

Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-0.949990	-0.949997	0.007	0.837	P
10X	0.000007	0.000006	0.001	0.600	P
10X	0.949989	0.949989	-0.000	0.837	P

100X	-0.095005	-0.095004	-0.001	0.624	P
100X	0.000009	0.000012	-0.003	0.600	P
100X	0.095023	0.095023	-0.000	0.624	P

MV Pedestal Check 100 Volt Range

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
1X	-80.000713	-80.000319	-0.395	45.000	P
1X	0.000423	0.000326	0.097	25.000	P
1X	80.000755	80.000722	0.034	45.000	P

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-80.000431	-80.000473	0.042	38.500	P
10X	0.000443	0.000042	0.402	18.500	P
10X	80.000622	80.000784	-0.162	38.500	P

Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
100X	-80.000309	-80.000526	0.217	35.500	P
100X	0.000434	0.000163	0.271	15.500	P
100X	80.000637	80.000546	0.091	35.500	P

MV Pedestal Check 30 Volt Range

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
1X	-25.000008	-25.000227	0.220	14.250	P
1X	0.000137	0.000127	0.010	8.000	P
1X	25.000148	25.000055	0.093	14.250	P

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-25.000071	-25.000037	-0.033	12.250	P
10X	0.000106	0.000010	0.097	6.000	P
10X	25.000166	25.000117	0.049	12.250	P

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
100X	-25.000038	-25.000057	0.019	11.250	P
100X	0.000136	0.000044	0.092	5.000	P
100X	25.000132	25.000171	-0.040	11.250	P

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MV Pedestal Check 10 Volt Range

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
1X	-8.000025	-8.000100	0.076	4.400	P
1X	0.000029	-0.000017	0.046	2.400	P
1X	8.000023	7.999940	0.083	4.400	P

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
10X	-8.000026	-8.000043	0.017	3.800	P
10X	0.000029	-0.000003	0.032	1.800	P
10X	8.000015	8.000037	-0.021	3.800	P

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Post Gain	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F
100X	-8.000019	-8.000021	0.002	3.500	P
100X	0.000030	-0.000018	0.048	1.500	P
100X	8.000022	8.000021	0.001	3.500	P

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MI PGA Check 100 Volt Range

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
500mA	10X	-47.501732	-47.499206	-2.525	83.751	P
500mA	10X	-0.001885	0.001427	-3.312	60.001	P
500mA	10X	47.501719	47.504235	-2.517	83.751	P

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IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
500mA	100X	-4.752326	-4.749830	-2.496	62.376	P
500mA	100X	-0.002123	0.000005	-2.128	60.001	P
500mA	100X	4.748574	4.750263	-1.689	62.374	P

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MI PGA Check 30 Volt Range

IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
1A	10X	-95.007207	-95.002805	-4.402	107.504	P
1A	10X	-0.001905	0.000928	-2.834	60.001	P
1A	10X	95.000617	95.005094	-4.477	107.500	P

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IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
1A	100X	-9.502871	-9.499483	-3.388	64.751	P
1A	100X	-0.003245	0.002785	-6.030	60.002	P
1A	100X	9.497960	9.503091	-5.132	64.749	P

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IRange	Gain	DMM (mA)	SP MI (mA)	Error (uA)	Limit (uA)	P F
100mA	10X	-9.500653	-9.500125	-0.529	10.750	P
100mA	10X	-0.000089	0.000299	-0.388	6.000	P
100mA	10X	9.500283	9.500528	-0.245	10.750	P

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IRange	Gain	DMM (uA)	SP MI (uA)	Error (nA)	Limit (nA)	P F
100mA	100X	-950.177200	-949.806863	-370.337	6475.089	P
100mA	100X	-0.031638	0.309770	-341.408	6000.016	P
100mA	100X	949.372887	949.817697	-444.810	6474.686	P

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 IRange Gain     DMM         SP MI        Error      Limit  P
                  (uA)        (uA)        (nA)       (nA)   F
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  10mA   10X -950.004556  -949.960906    -43.650   1075.002  P
  10mA   10X   -0.016574     0.034461    -51.034    600.008  P
  10mA   10X  949.962123   949.993570    -31.447   1074.981  P
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 IRange Gain     DMM         SP MI        Error      Limit  P
                  (uA)        (uA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  10mA  100X  -95.030839   -94.978075    -52.764    647.515  P
  10mA  100X   -0.000777     0.038258    -39.035    600.000  P
  10mA  100X   94.963078    94.960956      2.122    647.482  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
                  (uA)        (uA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   1mA   10X  -95.001029   -94.996063     -4.966    107.501  P
   1mA   10X   -0.002307     0.003009     -5.316     60.001  P
   1mA   10X   94.997962    95.000022     -2.059    107.499  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
                  (uA)        (uA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   1mA  100X   -9.496323    -9.492351     -3.973     69.496  P
   1mA  100X   -0.001248     0.003063     -4.311     60.001  P
   1mA  100X    9.494973     9.500103     -5.130     69.495  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
                  (uA)        (uA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 100uA   10X   -9.500265    -9.499814     -0.451     21.500  P
 100uA   10X    0.000246     0.000842     -0.596     12.000  P
 100uA   10X    9.500036     9.500696     -0.660     21.500  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
                  (nA)        (nA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 100uA  100X -949.814961  -949.273738     -0.541     12.950  P
 100uA  100X    0.377869     1.118441     -0.741     12.000  P
 100uA  100X  950.101139   950.707125     -0.606     12.950  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
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              (nA)        (nA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  10uA   10X -949.985491  -949.910520     -0.075      8.950  P
  10uA   10X   -0.009572     0.086711     -0.096      8.000  P
  10uA   10X  950.026163   950.099480     -0.073      8.950  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (nA)        (nA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  10uA  100X  -94.690773   -94.613381     -0.077      8.095  P
  10uA  100X    0.012113     0.096633     -0.085      8.000  P
  10uA  100X   94.786927    94.875513     -0.089      8.095  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (nA)        (nA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   1uA   10X  -95.109002   -95.071694     -0.037      4.095  P
   1uA   10X   -0.324776    -0.297270     -0.028      4.000  P
   1uA   10X   94.494897    94.532098     -0.037      4.094  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
                MI PGA Check  10 Volt Range
 IRange Gain     DMM         SP MI        Error      Limit  P
              (mA)        (mA)        (uA)       (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
    2A   10X -190.015778  -190.011565     -4.213    220.008  P
    2A   10X   -0.008605    -0.005156     -3.448    125.004  P
    2A   10X  189.992256   190.000612     -8.356    219.996  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (mA)        (mA)        (uA)       (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
    2A  100X  -19.008606   -19.002357     -6.249    134.504  P
    2A  100X   -0.006621    -0.002792     -3.829    125.003  P
    2A  100X   18.995056    19.000120     -5.064    134.498  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (mA)        (mA)        (uA)       (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 200ma   10X  -18.999679   -18.999041     -0.638     21.500  P
 200ma   10X    0.001185     0.001300     -0.115     12.001  P
 200ma   10X   19.001637    19.001691     -0.054     21.501  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (mA)        (mA)        (uA)       (uA)   F
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ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 200ma  100X   -1.898879    -1.898725     -0.154     12.949  P
 200ma  100X    0.001265     0.001549     -0.284     12.001  P
 200ma  100X    1.901754     1.901885     -0.132     12.951  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI         Error      Limit  P
                 (mA)        (mA)        (uA)       (uA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  20mA   10X   -1.899900    -1.899891     -0.009      2.150  P
  20mA   10X    0.000175     0.000199     -0.024      1.200  P
  20mA   10X    1.900108     1.900118     -0.010      2.150  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI         Error      Limit  P
                 (uA)        (uA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  20mA  100X -189.838742  -189.815634    -23.108    1294.919  P
  20mA  100X    0.201973     0.232300    -30.328    1200.101  P
  20mA  100X  190.085382   190.116723    -31.341    1295.043  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI         Error      Limit  P
                 (uA)        (uA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   2mA   10X -190.008577  -190.006120     -2.457     220.004  P
   2mA   10X    0.006357     0.003107      3.250     125.003  P
   2mA   10X  189.995604   189.998561     -2.957     219.998  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI         Error      Limit  P
                 (uA)        (uA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   2mA  100X  -19.005153   -19.002242     -2.911     144.005  P
   2mA  100X    0.003373     0.004759     -1.386     125.003  P
   2mA  100X   18.995458    19.000223     -4.765     143.995  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI         Error      Limit  P
                 (uA)        (uA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 200uA   10X  -18.999729   -18.999479     -0.250      34.000  P
 200uA   10X   -0.000266     0.000184     -0.450      15.000  P
 200uA   10X   18.999253    18.999572     -0.318      33.999  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI         Error      Limit  P
                 (uA)        (uA)        (nA)       (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 200uA  100X   -1.899205    -1.898742     -0.463      16.899  P
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 200uA  100X   -0.000064     0.000308     -0.372     15.000  P
 200uA  100X    1.899288     1.899622     -0.334     16.899  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (uA)        (uA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  20uA   10X   -1.899812    -1.899790     -0.022     11.900  P
  20uA   10X    0.000111     0.000159     -0.048     10.000  P
  20uA   10X    1.900049     1.900096     -0.047     11.900  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (nA)        (nA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
  20uA  100X -189.836236  -189.810421     -0.026     10.190  P
  20uA  100X    0.117472     0.166884     -0.049     10.000  P
  20uA  100X  190.098362   190.143466     -0.045     10.190  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (nA)        (nA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   2uA   10X -190.127530  -190.099535     -0.028      6.190  P
   2uA   10X   -0.133794    -0.104141     -0.030      6.000  P
   2uA   10X  189.881732   189.907585     -0.026      6.190  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 IRange Gain     DMM         SP MI        Error      Limit  P
              (nA)        (nA)        (nA)      (nA)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
   2uA  100X  -19.063285   -19.038287     -0.025      6.019  P
   2uA  100X   -0.105630    -0.080402     -0.025      6.000  P
   2uA  100X   18.846765    18.874983     -0.028      6.019  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
                 Vmeter Check
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
              10 Volt Range with  1X
Source       DMM        SP MV       Error     Limit  P
(Volts)    (Volts)     (Volts)      (mV)      (mV)   F
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
 -10.00   -9.999954   -9.999979     0.025     6.200  P
   0.00    0.000029   -0.000021     0.050     1.200  P
  10.00    9.999939    9.999895     0.044     6.200  P
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
              10 Volt Range with 10X
Source       DMM        SP MV       Error     Limit  P
(Volts)    (Volts)     (Volts)      (mV)      (mV)   F
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-0.95	-0.950030	-0.950039	0.008	1.075	P
0.00	0.000021	0.000019	0.002	0.600	P
0.95	0.949985	0.949995	-0.010	1.075	P

ÍÍ

10 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F

ÍÍ

-0.10	-0.094987	-0.094990	0.003	0.347	P
0.00	0.000017	0.000015	0.002	0.300	P
0.10	0.095005	0.094999	0.007	0.348	P

ÍÍ

30 Volt Range with 1X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F

ÍÍ

-30.00	-30.000016	-30.000019	0.003	19.000	P
0.00	0.000116	-0.000026	0.142	4.000	P
30.00	29.999822	29.999696	0.126	19.000	P

ÍÍ

30 Volt Range with 10X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F

ÍÍ

-2.85	-2.849877	-2.849896	0.019	3.425	P
0.00	0.000124	0.000126	-0.001	2.000	P
2.85	2.850102	2.850105	-0.003	3.425	P

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30 Volt Range with 100X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F

ÍÍ

-0.29	-0.284923	-0.284928	0.005	1.142	P
0.00	0.000116	0.000122	-0.006	1.000	P
0.29	0.285116	0.285125	-0.009	1.143	P

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100 Volt Range with 1X

Source (Volts)	DMM (Volts)	SP MV (Volts)	Error (mV)	Limit (mV)	P F

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-100.00	-99.999519	-99.999566	0.047	62.500	P
0.00	0.000423	0.000163	0.259	12.500	P
100.00	99.998764	99.998413	0.351	62.499	P

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0	0	Voltage 30 V	+30.00000	+29.99940	-0.600	11.500	P	+30.00008	+0.681	11.500	P
1	1	Voltage 3.6V	-3.60000	-3.59984	+0.164	1.350	P	-3.59988	-0.044	1.350	P
1	1	Voltage 3.6V	-1.80000	-1.79989	+0.106	0.900	P	-1.79995	-0.052	0.900	P
1	1	Voltage 3.6V	+0.00000	+0.00011	+0.113	0.450	P	+0.00015	+0.039	0.450	P
1	1	Voltage 3.6V	+1.80000	+1.80006	+0.061	0.900	P	+1.80010	+0.037	0.900	P
1	1	Voltage 3.6V	+3.60000	+3.60000	+0.004	1.350	P	+3.59998	-0.021	1.350	P
1	1	Voltage 10 V	-10.00000	-9.99988	+0.125	3.800	P	-9.99995	-0.076	3.800	P
1	1	Voltage 10 V	-5.00000	-5.00002	-0.023	2.550	P	-5.00002	+0.001	2.550	P
1	1	Voltage 10 V	+0.00000	+0.00003	+0.029	1.300	P	+0.00015	+0.118	1.300	P
1	1	Voltage 10 V	+5.00000	+5.00004	+0.036	2.550	P	+5.00006	+0.026	2.550	P
1	1	Voltage 10 V	+10.00000	+9.99993	-0.070	3.800	P	+10.00015	+0.222	3.800	P
1	1	Voltage 30 V	-30.00000	-29.99929	+0.709	11.500	P	-29.99939	-0.102	11.500	P
1	1	Voltage 30 V	-15.00000	-14.99959	+0.412	7.750	P	-14.99965	-0.065	7.750	P
1	1	Voltage 30 V	+0.00000	+0.00050	+0.498	4.000	P	+0.00085	+0.352	4.000	P
1	1	Voltage 30 V	+15.00000	+15.00063	+0.626	7.750	P	+15.00080	+0.172	7.750	P
1	1	Voltage 30 V	+30.00000	+29.99969	-0.306	11.500	P	+30.00029	+0.592	11.500	P
2	2	Voltage 3.6V	-3.60000	-3.59994	+0.062	1.350	P	-3.59992	+0.017	1.350	P
2	2	Voltage 3.6V	-1.80000	-1.79992	+0.075	0.900	P	-1.79994	-0.014	0.900	P
2	2	Voltage 3.6V	+0.00000	+0.00006	+0.056	0.450	P	+0.00009	+0.037	0.450	P
2	2	Voltage 3.6V	+1.80000	+1.79999	-0.015	0.900	P	+1.80007	+0.085	0.900	P
2	2	Voltage 3.6V	+3.60000	+3.60002	+0.021	1.350	P	+3.60001	-0.009	1.350	P
2	2	Voltage 10 V	-10.00000	-9.99987	+0.133	3.800	P	-9.99994	-0.074	3.800	P

2	2	Voltage 10 V	-5.00000	-5.00005	-0.053	2.550	P	-4.99994	+0.111	2.550	P
2	2	Voltage 10 V	+0.00000	+0.00003	+0.029	1.300	P	+0.00011	+0.082	1.300	P
2	2	Voltage 10 V	+5.00000	+5.00010	+0.095	2.550	P	+5.00021	+0.114	2.550	P
2	2	Voltage 10 V	+10.00000	+9.99987	-0.130	3.800	P	+10.00000	+0.132	3.800	P
2	2	Voltage 30 V	-30.00000	-29.99991	+0.093	11.500	P	-30.00018	-0.271	11.500	P
2	2	Voltage 30 V	-15.00000	-14.99969	+0.310	7.750	P	-14.99947	+0.220	7.750	P
2	2	Voltage 30 V	+0.00000	-0.00016	-0.165	4.000	P	+0.00014	+0.309	4.000	P
2	2	Voltage 30 V	+15.00000	+15.00063	+0.628	7.750	P	+15.00100	+0.376	7.750	P
2	2	Voltage 30 V	+30.00000	+29.99995	-0.051	11.500	P	+30.00016	+0.214	11.500	P
3	3	Voltage 3.6V	-3.60000	-3.59994	+0.055	1.350	P	-3.59998	-0.031	1.350	P
3	3	Voltage 3.6V	-1.80000	-1.80001	-0.008	0.900	P	-1.80003	-0.022	0.900	P
3	3	Voltage 3.6V	+0.00000	+0.00002	+0.016	0.450	P	+0.00003	+0.012	0.450	P
3	3	Voltage 3.6V	+1.80000	+1.80000	+0.003	0.900	P	+1.80007	+0.070	0.900	P
3	3	Voltage 3.6V	+3.60000	+3.59995	-0.052	1.350	P	+3.59994	-0.009	1.350	P
3	3	Voltage 10 V	-10.00000	-10.00002	-0.017	3.800	P	-10.00009	-0.078	3.800	P
3	3	Voltage 10 V	-5.00000	-5.00011	-0.110	2.550	P	-5.00007	+0.038	2.550	P
3	3	Voltage 10 V	+0.00000	-0.00007	-0.068	1.300	P	-0.00005	+0.013	1.300	P
3	3	Voltage 10 V	+5.00000	+5.00024	+0.239	2.550	P	+5.00029	+0.047	2.550	P
3	3	Voltage 10 V	+10.00000	+10.00012	+0.120	3.800	P	+10.00033	+0.211	3.800	P
3	3	Voltage 30 V	-30.00000	-30.00013	-0.129	11.500	P	-30.00040	-0.271	11.500	P
3	3	Voltage 30 V	-15.00000	-15.00009	-0.093	7.750	P	-14.99993	+0.160	7.750	P
3	3	Voltage 30 V	+0.00000	+0.00012	+0.124	4.000	P	+0.00040	+0.273	4.000	P

3 3 Voltage 30 V +15.00000 +15.00037 +0.373 7.750 P +15.00070 +0.329 7.750 P
3 3 Voltage 30 V +30.00000 +29.99960 -0.400 11.500 P +30.00010 +0.500 11.500 P
4 4 Voltage 3.6V -3.60000 -3.59994 +0.056 1.350 P -3.59992 +0.020 1.350 P
4 4 Voltage 3.6V -1.80000 -1.79990 +0.100 0.900 P -1.79995 -0.052 0.900 P
4 4 Voltage 3.6V +0.00000 +0.00004 +0.036 0.450 P +0.00004 +0.007 0.450 P
4 4 Voltage 3.6V +1.80000 +1.79993 -0.069 0.900 P +1.80002 +0.092 0.900 P
4 4 Voltage 3.6V +3.60000 +3.60007 +0.069 1.350 P +3.60004 -0.025 1.350 P
4 4 Voltage 10 V -10.00000 -9.99992 +0.079 3.800 P -10.00000 -0.080 3.800 P
4 4 Voltage 10 V -5.00000 -5.00010 -0.099 2.550 P -4.99996 +0.135 2.550 P
4 4 Voltage 10 V +0.00000 -0.00004 -0.042 1.300 P +0.00002 +0.065 1.300 P
4 4 Voltage 10 V +5.00000 +5.00026 +0.265 2.550 P +5.00031 +0.050 2.550 P
4 4 Voltage 10 V +10.00000 +10.00004 +0.042 3.800 P +10.00012 +0.074 3.800 P
4 4 Voltage 30 V -30.00000 -30.00025 -0.249 11.500 P -30.00069 -0.441 11.500 P
4 4 Voltage 30 V -15.00000 -14.99961 +0.389 7.750 P -14.99944 +0.169 7.750 P
4 4 Voltage 30 V +0.00000 +0.00028 +0.278 4.000 P +0.00068 +0.401 4.000 P
4 4 Voltage 30 V +15.00000 +15.00023 +0.229 7.750 P +15.00060 +0.370 7.750 P
4 4 Voltage 30 V +30.00000 +29.99989 -0.109 11.500 P +30.00048 +0.584 11.500 P
5 5 Voltage 3.6V -3.60000 -3.59996 +0.038 1.350 P -3.60000 -0.038 1.350 P
5 5 Voltage 3.6V -1.80000 -1.79985 +0.147 0.900 P -1.79990 -0.047 0.900 P
5 5 Voltage 3.6V +0.00000 -0.00001 -0.013 0.450 P +0.00001 +0.020 0.450 P
5 5 Voltage 3.6V +1.80000 +1.79992 -0.079 0.900 P +1.80001 +0.088 0.900 P
5 5 Voltage 3.6V +3.60000 +3.59999 -0.011 1.350 P +3.59994 -0.045 1.350 P

5	5	Voltage 10 V	-10.00000	-9.99991	+0.089	3.800	P	-9.99993	-0.021	3.800	P
5	5	Voltage 10 V	-5.00000	-4.99999	+0.013	2.550	P	-4.99984	+0.147	2.550	P
5	5	Voltage 10 V	+0.00000	+0.00002	+0.022	1.300	P	+0.00002	-0.006	1.300	P
5	5	Voltage 10 V	+5.00000	+5.00002	+0.019	2.550	P	+5.00004	+0.024	2.550	P
5	5	Voltage 10 V	+10.00000	+9.99982	-0.181	3.800	P	+10.00004	+0.224	3.800	P
5	5	Voltage 30 V	-30.00000	-29.99952	+0.477	11.500	P	-29.99948	+0.040	11.500	P
5	5	Voltage 30 V	-15.00000	-14.99959	+0.413	7.750	P	-14.99946	+0.132	7.750	P
5	5	Voltage 30 V	+0.00000	+0.00017	+0.172	4.000	P	+0.00048	+0.309	4.000	P
5	5	Voltage 30 V	+15.00000	+14.99997	-0.030	7.750	P	+15.00016	+0.191	7.750	P
5	5	Voltage 30 V	+30.00000	+29.99973	-0.271	11.500	P	+30.00029	+0.564	11.500	P

Current Common Mode 1X Section:

					Measure I 1x		
Pin	Chn	Desc	Force(V)	Exp(uA)	MI (uA)	Err(uA)	Limit(uA)	P/F
0	0	Cmr 1x 10uA	-30.000	+0.000	-0.0040	-0.0040	0.014	P
0	0	Cmr 1x 10uA	-15.000	+0.000	+0.0011	+0.0011	0.011	P
0	0	Cmr 1x 10uA	+0.000	+0.000	+0.0018	+0.0018	0.008	P
0	0	Cmr 1x 10uA	+15.000	+0.000	+0.0021	+0.0021	0.011	P
0	0	Cmr 1x 10uA	+30.000	+0.000	+0.0023	+0.0023	0.014	P
0	0	Cmr 1x 100uA	-30.000	+0.000	-0.0031	-0.0031	0.044	P
0	0	Cmr 1x 100uA	-15.000	+0.000	+0.0025	+0.0025	0.032	P
0	0	Cmr 1x 100uA	+0.000	+0.000	+0.0026	+0.0026	0.020	P
0	0	Cmr 1x 100uA	+15.000	+0.000	+0.0030	+0.0030	0.032	P
0	0	Cmr 1x 100uA	+30.000	+0.000	+0.0030	+0.0030	0.044	P
0	0	Cmr 1x 1mA	-30.000	+0.000	+0.0221	+0.0221	0.365	P
0	0	Cmr 1x 1mA	-15.000	+0.000	+0.0215	+0.0215	0.245	P
0	0	Cmr 1x 1mA	+0.000	+0.000	+0.0272	+0.0272	0.125	P
0	0	Cmr 1x 1mA	+15.000	+0.000	+0.0196	+0.0196	0.245	P
0	0	Cmr 1x 1mA	+30.000	+0.000	+0.0185	+0.0185	0.365	P
0	0	Cmr 1x 10mA	-30.000	+0.000	+0.2932	+0.2932	3.650	P
0	0	Cmr 1x 10mA	-15.000	+0.000	+0.1069	+0.1069	2.450	P
0	0	Cmr 1x 10mA	+0.000	+0.000	+0.1836	+0.1836	1.250	P
0	0	Cmr 1x 10mA	+15.000	+0.000	+0.1821	+0.1821	2.450	P

0	0	Cmr 1x	10mA	+30.000	+0.000	+0.0834	+0.0834	3.650 P
0	0	Cmr 1x	100mA	-30.000	+0.000	+3.0660	+3.0660	36.500 P
0	0	Cmr 1x	100mA	-15.000	+0.000	+2.9097	+2.9097	24.500 P
0	0	Cmr 1x	100mA	+0.000	+0.000	+2.1594	+2.1594	12.500 P
0	0	Cmr 1x	100mA	+15.000	+0.000	+1.5029	+1.5029	24.500 P
0	0	Cmr 1x	100mA	+30.000	+0.000	+1.2529	+1.2529	36.500 P
0	0	Cmr 1x	200mA	-10.000	+0.000	+2.7030	+2.7030	41.000 P
0	0	Cmr 1x	200mA	-5.000	+0.000	+2.2658	+2.2658	33.000 P
0	0	Cmr 1x	200mA	+0.000	+0.000	+0.5795	+0.5795	25.000 P
0	0	Cmr 1x	200mA	+5.000	+0.000	-1.9187	-1.9187	33.000 P
0	0	Cmr 1x	200mA	+10.000	+0.000	-2.8243	-2.8243	41.000 P
1	1	Cmr 1x	10uA	-30.000	+0.000	-0.0033	-0.0033	0.014 P
1	1	Cmr 1x	10uA	-15.000	+0.000	+0.0012	+0.0012	0.011 P
1	1	Cmr 1x	10uA	+0.000	+0.000	+0.0018	+0.0018	0.008 P
1	1	Cmr 1x	10uA	+15.000	+0.000	+0.0021	+0.0021	0.011 P
1	1	Cmr 1x	10uA	+30.000	+0.000	+0.0023	+0.0023	0.014 P
1	1	Cmr 1x	100uA	-30.000	+0.000	-0.0034	-0.0034	0.044 P
1	1	Cmr 1x	100uA	-15.000	+0.000	+0.0016	+0.0016	0.032 P
1	1	Cmr 1x	100uA	+0.000	+0.000	+0.0016	+0.0016	0.020 P
1	1	Cmr 1x	100uA	+15.000	+0.000	+0.0021	+0.0021	0.032 P
1	1	Cmr 1x	100uA	+30.000	+0.000	+0.0010	+0.0010	0.044 P
1	1	Cmr 1x	1mA	-30.000	+0.000	+0.0057	+0.0057	0.365 P
1	1	Cmr 1x	1mA	-15.000	+0.000	+0.0108	+0.0108	0.245 P
1	1	Cmr 1x	1mA	+0.000	+0.000	+0.0079	+0.0079	0.125 P
1	1	Cmr 1x	1mA	+15.000	+0.000	+0.0024	+0.0024	0.245 P
1	1	Cmr 1x	1mA	+30.000	+0.000	-0.0039	-0.0039	0.365 P
1	1	Cmr 1x	10mA	-30.000	+0.000	+0.1904	+0.1904	3.650 P
1	1	Cmr 1x	10mA	-15.000	+0.000	+0.1982	+0.1982	2.450 P
1	1	Cmr 1x	10mA	+0.000	+0.000	+0.0981	+0.0981	1.250 P
1	1	Cmr 1x	10mA	+15.000	+0.000	+0.0589	+0.0589	2.450 P
1	1	Cmr 1x	10mA	+30.000	+0.000	-0.0303	-0.0303	3.650 P
1	1	Cmr 1x	100mA	-30.000	+0.000	+2.0077	+2.0077	36.500 P
1	1	Cmr 1x	100mA	-15.000	+0.000	+1.3051	+1.3051	24.500 P
1	1	Cmr 1x	100mA	+0.000	+0.000	+0.8523	+0.8523	12.500 P
1	1	Cmr 1x	100mA	+15.000	+0.000	-0.0690	-0.0690	24.500 P
1	1	Cmr 1x	100mA	+30.000	+0.000	-0.5218	-0.5218	36.500 P
1	1	Cmr 1x	200mA	-10.000	+0.000	+2.5723	+2.5723	41.000 P
1	1	Cmr 1x	200mA	-5.000	+0.000	+1.5122	+1.5122	33.000 P
1	1	Cmr 1x	200mA	+0.000	+0.000	-1.6993	-1.6993	25.000 P
1	1	Cmr 1x	200mA	+5.000	+0.000	-4.5991	-4.5991	33.000 P
1	1	Cmr 1x	200mA	+10.000	+0.000	-6.5322	-6.5322	41.000 P
2	2	Cmr 1x	10uA	-30.000	+0.000	-0.0041	-0.0041	0.014 P
2	2	Cmr 1x	10uA	-15.000	+0.000	+0.0004	+0.0004	0.011 P
2	2	Cmr 1x	10uA	+0.000	+0.000	+0.0010	+0.0010	0.008 P

2	2	Cmr 1x	10uA	+15.000	+0.000	+0.0014	+0.0014	0.011 P
2	2	Cmr 1x	10uA	+30.000	+0.000	+0.0015	+0.0015	0.014 P
2	2	Cmr 1x	100uA	-30.000	+0.000	-0.0032	-0.0032	0.044 P
2	2	Cmr 1x	100uA	-15.000	+0.000	+0.0017	+0.0017	0.032 P
2	2	Cmr 1x	100uA	+0.000	+0.000	+0.0027	+0.0027	0.020 P
2	2	Cmr 1x	100uA	+15.000	+0.000	+0.0025	+0.0025	0.032 P
2	2	Cmr 1x	100uA	+30.000	+0.000	+0.0021	+0.0021	0.044 P
2	2	Cmr 1x	1mA	-30.000	+0.000	+0.0272	+0.0272	0.365 P
2	2	Cmr 1x	1mA	-15.000	+0.000	+0.0305	+0.0305	0.245 P
2	2	Cmr 1x	1mA	+0.000	+0.000	+0.0236	+0.0236	0.125 P
2	2	Cmr 1x	1mA	+15.000	+0.000	+0.0171	+0.0171	0.245 P
2	2	Cmr 1x	1mA	+30.000	+0.000	+0.0179	+0.0179	0.365 P
2	2	Cmr 1x	10mA	-30.000	+0.000	+0.3173	+0.3173	3.650 P
2	2	Cmr 1x	10mA	-15.000	+0.000	+0.2703	+0.2703	2.450 P
2	2	Cmr 1x	10mA	+0.000	+0.000	+0.2124	+0.2124	1.250 P
2	2	Cmr 1x	10mA	+15.000	+0.000	+0.1905	+0.1905	2.450 P
2	2	Cmr 1x	10mA	+30.000	+0.000	+0.0840	+0.0840	3.650 P
2	2	Cmr 1x	100mA	-30.000	+0.000	+3.2327	+3.2327	36.500 P
2	2	Cmr 1x	100mA	-15.000	+0.000	+2.8107	+2.8107	24.500 P
2	2	Cmr 1x	100mA	+0.000	+0.000	+2.2950	+2.2950	12.500 P
2	2	Cmr 1x	100mA	+15.000	+0.000	+1.9042	+1.9042	24.500 P
2	2	Cmr 1x	100mA	+30.000	+0.000	+1.7479	+1.7479	36.500 P
2	2	Cmr 1x	200mA	-10.000	+0.000	+5.9083	+5.9083	41.000 P
2	2	Cmr 1x	200mA	-5.000	+0.000	+3.4421	+3.4421	33.000 P
2	2	Cmr 1x	200mA	+0.000	+0.000	+2.0685	+2.0685	25.000 P
2	2	Cmr 1x	200mA	+5.000	+0.000	-0.1480	-0.1480	33.000 P
2	2	Cmr 1x	200mA	+10.000	+0.000	-3.4884	-3.4884	41.000 P
3	3	Cmr 1x	10uA	-30.000	+0.000	-0.0032	-0.0032	0.014 P
3	3	Cmr 1x	10uA	-15.000	+0.000	+0.0007	+0.0007	0.011 P
3	3	Cmr 1x	10uA	+0.000	+0.000	+0.0011	+0.0011	0.008 P
3	3	Cmr 1x	10uA	+15.000	+0.000	+0.0014	+0.0014	0.011 P
3	3	Cmr 1x	10uA	+30.000	+0.000	+0.0016	+0.0016	0.014 P
3	3	Cmr 1x	100uA	-30.000	+0.000	-0.0021	-0.0021	0.044 P
3	3	Cmr 1x	100uA	-15.000	+0.000	+0.0024	+0.0024	0.032 P
3	3	Cmr 1x	100uA	+0.000	+0.000	+0.0018	+0.0018	0.020 P
3	3	Cmr 1x	100uA	+15.000	+0.000	+0.0022	+0.0022	0.032 P
3	3	Cmr 1x	100uA	+30.000	+0.000	+0.0016	+0.0016	0.044 P
3	3	Cmr 1x	1mA	-30.000	+0.000	+0.0150	+0.0150	0.365 P
3	3	Cmr 1x	1mA	-15.000	+0.000	+0.0130	+0.0130	0.245 P
3	3	Cmr 1x	1mA	+0.000	+0.000	+0.0125	+0.0125	0.125 P
3	3	Cmr 1x	1mA	+15.000	+0.000	+0.0041	+0.0041	0.245 P
3	3	Cmr 1x	1mA	+30.000	+0.000	+0.0040	+0.0040	0.365 P
3	3	Cmr 1x	10mA	-30.000	+0.000	+0.2236	+0.2236	3.650 P
3	3	Cmr 1x	10mA	-15.000	+0.000	+0.1891	+0.1891	2.450 P

3	3	Cmr 1x	10mA	+0.000	+0.000	+0.1077	+0.1077	1.250	P
3	3	Cmr 1x	10mA	+15.000	+0.000	+0.0216	+0.0216	2.450	P
3	3	Cmr 1x	10mA	+30.000	+0.000	+0.0921	+0.0921	3.650	P
3	3	Cmr 1x	100mA	-30.000	+0.000	+1.4111	+1.4111	36.500	P
3	3	Cmr 1x	100mA	-15.000	+0.000	+1.2082	+1.2082	24.500	P
3	3	Cmr 1x	100mA	+0.000	+0.000	+0.9740	+0.9740	12.500	P
3	3	Cmr 1x	100mA	+15.000	+0.000	+0.5368	+0.5368	24.500	P
3	3	Cmr 1x	100mA	+30.000	+0.000	-0.0252	-0.0252	36.500	P
3	3	Cmr 1x	200mA	-10.000	+0.000	+3.8979	+3.8979	41.000	P
3	3	Cmr 1x	200mA	-5.000	+0.000	+1.7149	+1.7149	33.000	P
3	3	Cmr 1x	200mA	+0.000	+0.000	+0.1557	+0.1557	25.000	P
3	3	Cmr 1x	200mA	+5.000	+0.000	-3.0564	-3.0564	33.000	P
3	3	Cmr 1x	200mA	+10.000	+0.000	-5.6447	-5.6447	41.000	P
4	4	Cmr 1x	10uA	-30.000	+0.000	-0.0027	-0.0027	0.014	P
4	4	Cmr 1x	10uA	-15.000	+0.000	+0.0007	+0.0007	0.011	P
4	4	Cmr 1x	10uA	+0.000	+0.000	+0.0012	+0.0012	0.008	P
4	4	Cmr 1x	10uA	+15.000	+0.000	+0.0014	+0.0014	0.011	P
4	4	Cmr 1x	10uA	+30.000	+0.000	+0.0015	+0.0015	0.014	P
4	4	Cmr 1x	100uA	-30.000	+0.000	-0.0012	-0.0012	0.044	P
4	4	Cmr 1x	100uA	-15.000	+0.000	+0.0023	+0.0023	0.032	P
4	4	Cmr 1x	100uA	+0.000	+0.000	+0.0019	+0.0019	0.020	P
4	4	Cmr 1x	100uA	+15.000	+0.000	+0.0021	+0.0021	0.032	P
4	4	Cmr 1x	100uA	+30.000	+0.000	+0.0015	+0.0015	0.044	P
4	4	Cmr 1x	1mA	-30.000	+0.000	+0.0216	+0.0216	0.365	P
4	4	Cmr 1x	1mA	-15.000	+0.000	+0.0218	+0.0218	0.245	P
4	4	Cmr 1x	1mA	+0.000	+0.000	+0.0160	+0.0160	0.125	P
4	4	Cmr 1x	1mA	+15.000	+0.000	+0.0126	+0.0126	0.245	P
4	4	Cmr 1x	1mA	+30.000	+0.000	+0.0089	+0.0089	0.365	P
4	4	Cmr 1x	10mA	-30.000	+0.000	+0.2059	+0.2059	3.650	P
4	4	Cmr 1x	10mA	-15.000	+0.000	+0.2325	+0.2325	2.450	P
4	4	Cmr 1x	10mA	+0.000	+0.000	+0.1354	+0.1354	1.250	P
4	4	Cmr 1x	10mA	+15.000	+0.000	+0.1026	+0.1026	2.450	P
4	4	Cmr 1x	10mA	+30.000	+0.000	+0.0415	+0.0415	3.650	P
4	4	Cmr 1x	100mA	-30.000	+0.000	+2.4377	+2.4377	36.500	P
4	4	Cmr 1x	100mA	-15.000	+0.000	+2.4221	+2.4221	24.500	P
4	4	Cmr 1x	100mA	+0.000	+0.000	+1.3756	+1.3756	12.500	P
4	4	Cmr 1x	100mA	+15.000	+0.000	+1.0320	+1.0320	24.500	P
4	4	Cmr 1x	100mA	+30.000	+0.000	+0.0637	+0.0637	36.500	P
4	4	Cmr 1x	200mA	-10.000	+0.000	+3.6099	+3.6099	41.000	P
4	4	Cmr 1x	200mA	-5.000	+0.000	+1.4580	+1.4580	33.000	P
4	4	Cmr 1x	200mA	+0.000	+0.000	-1.7544	-1.7544	25.000	P
4	4	Cmr 1x	200mA	+5.000	+0.000	-3.2202	-3.2202	33.000	P
4	4	Cmr 1x	200mA	+10.000	+0.000	-5.3410	-5.3410	41.000	P
5	5	Cmr 1x	10uA	-30.000	+0.000	-0.0022	-0.0022	0.014	P

5	5	Cmr 1x	10uA	-15.000	+0.000	+0.0000	+0.0000	0.011 P
5	5	Cmr 1x	10uA	+0.000	+0.000	+0.0002	+0.0002	0.008 P
5	5	Cmr 1x	10uA	+15.000	+0.000	+0.0003	+0.0003	0.011 P
5	5	Cmr 1x	10uA	+30.000	+0.000	+0.0005	+0.0005	0.014 P
5	5	Cmr 1x	100uA	-30.000	+0.000	-0.0012	-0.0012	0.044 P
5	5	Cmr 1x	100uA	-15.000	+0.000	+0.0006	+0.0006	0.032 P
5	5	Cmr 1x	100uA	+0.000	+0.000	+0.0013	+0.0013	0.020 P
5	5	Cmr 1x	100uA	+15.000	+0.000	+0.0014	+0.0014	0.032 P
5	5	Cmr 1x	100uA	+30.000	+0.000	+0.0006	+0.0006	0.044 P
5	5	Cmr 1x	1mA	-30.000	+0.000	+0.0089	+0.0089	0.365 P
5	5	Cmr 1x	1mA	-15.000	+0.000	+0.0067	+0.0067	0.245 P
5	5	Cmr 1x	1mA	+0.000	+0.000	+0.0090	+0.0090	0.125 P
5	5	Cmr 1x	1mA	+15.000	+0.000	+0.0037	+0.0037	0.245 P
5	5	Cmr 1x	1mA	+30.000	+0.000	-0.0010	-0.0010	0.365 P
5	5	Cmr 1x	10mA	-30.000	+0.000	+0.1730	+0.1730	3.650 P
5	5	Cmr 1x	10mA	-15.000	+0.000	+0.0963	+0.0963	2.450 P
5	5	Cmr 1x	10mA	+0.000	+0.000	+0.1026	+0.1026	1.250 P
5	5	Cmr 1x	10mA	+15.000	+0.000	+0.0306	+0.0306	2.450 P
5	5	Cmr 1x	10mA	+30.000	+0.000	-0.0163	-0.0163	3.650 P
5	5	Cmr 1x	100mA	-30.000	+0.000	+1.6005	+1.6005	36.500 P
5	5	Cmr 1x	100mA	-15.000	+0.000	+1.1789	+1.1789	24.500 P
5	5	Cmr 1x	100mA	+0.000	+0.000	+0.6323	+0.6323	12.500 P
5	5	Cmr 1x	100mA	+15.000	+0.000	+0.1638	+0.1638	24.500 P
5	5	Cmr 1x	100mA	+30.000	+0.000	+0.4293	+0.4293	36.500 P
5	5	Cmr 1x	200mA	-10.000	+0.000	+0.4695	+0.4695	41.000 P
5	5	Cmr 1x	200mA	-5.000	+0.000	-0.7783	-0.7783	33.000 P
5	5	Cmr 1x	200mA	+0.000	+0.000	-3.0244	-3.0244	25.000 P
5	5	Cmr 1x	200mA	+5.000	+0.000	-4.7714	-4.7714	33.000 P
5	5	Cmr 1x	200mA	+10.000	+0.000	-6.9551	-6.9551	41.000 P

Current Common Mode 10X Section:

					-- Measure I 10x --					
Pin	Chn	Desc		FV Diff(V)	Exp(uA)	MI Diff(uA)	Err(uA)	Limit(uA)	P/F
0	0	Cmr 10x	100uA	+60.000	+0.000	+0.0004	+0.0004	0.024	P
0	0	Cmr 10x	1mA	+60.000	+0.000	+0.0010	+0.0010	0.240	P
0	0	Cmr 10x	10mA	+60.000	+0.000	-0.0007	-0.0007	2.400	P
0	0	Cmr 10x	100mA	+60.000	+0.000	-0.0221	-0.0221	24.000	P
0	0	Cmr 10x	200mA	+20.000	+0.000	+0.0485	+0.0485	16.000	P
1	1	Cmr 10x	100uA	+60.000	+0.000	+0.0002	+0.0002	0.024	P
1	1	Cmr 10x	1mA	+60.000	+0.000	+0.0008	+0.0008	0.240	P
1	1	Cmr 10x	10mA	+60.000	+0.000	+0.0079	+0.0079	2.400	P
1	1	Cmr 10x	100mA	+60.000	+0.000	-0.0018	-0.0018	24.000	P
1	1	Cmr 10x	200mA	+20.000	+0.000	-0.0052	-0.0052	16.000	P

2	2	Cmr 10x 100uA	+60.000	+0.000	+0.0001	+0.0001	0.024 P
2	2	Cmr 10x 1mA	+60.000	+0.000	+0.0005	+0.0005	0.240 P
2	2	Cmr 10x 10mA	+60.000	+0.000	+0.0018	+0.0018	2.400 P
2	2	Cmr 10x 100mA	+60.000	+0.000	+0.0425	+0.0425	24.000 P
2	2	Cmr 10x 200mA	+20.000	+0.000	-0.0421	-0.0421	16.000 P
3	3	Cmr 10x 100uA	+60.000	+0.000	+0.0004	+0.0004	0.024 P
3	3	Cmr 10x 1mA	+60.000	+0.000	+0.0023	+0.0023	0.240 P
3	3	Cmr 10x 10mA	+60.000	+0.000	+0.0038	+0.0038	2.400 P
3	3	Cmr 10x 100mA	+60.000	+0.000	+0.0633	+0.0633	24.000 P
3	3	Cmr 10x 200mA	+20.000	+0.000	-0.0150	-0.0150	16.000 P
4	4	Cmr 10x 100uA	+60.000	+0.000	+0.0002	+0.0002	0.024 P
4	4	Cmr 10x 1mA	+60.000	+0.000	+0.0011	+0.0011	0.240 P
4	4	Cmr 10x 10mA	+60.000	+0.000	+0.0028	+0.0028	2.400 P
4	4	Cmr 10x 100mA	+60.000	+0.000	+0.0332	+0.0332	24.000 P
4	4	Cmr 10x 200mA	+20.000	+0.000	-0.1780	-0.1780	16.000 P
5	5	Cmr 10x 100uA	+60.000	+0.000	+0.0002	+0.0002	0.024 P
5	5	Cmr 10x 1mA	+60.000	+0.000	+0.0002	+0.0002	0.240 P
5	5	Cmr 10x 10mA	+60.000	+0.000	+0.0023	+0.0023	2.400 P
5	5	Cmr 10x 100mA	+60.000	+0.000	+0.0389	+0.0389	24.000 P
5	5	Cmr 10x 200mA	+20.000	+0.000	-0.0192	-0.0192	16.000 P

Current Force/Measure Section:

			Force I					Measure I			
Pin	Chn	Desc	Expect(mA)	DMM(mA)	Err(uA)	FI Lim(uA)	P/F	MI(mA)	Err(uA)	MI Lim(uA)	P/F
0	0	Current 10uA	-0.01000	-0.01000	+0.000	0.013	P	-0.01000	-0.000	0.013	P
0	0	Current 10uA	-0.00500	-0.00500	-0.000	0.010	P	-0.00500	-0.000	0.011	P
0	0	Current 10uA	+0.00000	-0.00000	-0.000	0.008	P	+0.00000	+0.000	0.008	P
0	0	Current 10uA	+0.00500	+0.00500	-0.000	0.010	P	+0.00500	+0.000	0.010	P
0	0	Current 10uA	+0.01000	+0.01000	-0.000	0.013	P	+0.01000	+0.000	0.013	P
0	0	Current 100uA	-0.10000	-0.10000	+0.003	0.070	P	-0.10000	+0.001	0.070	P
0	0	Current 100uA	-0.05000	-0.05000	-0.001	0.045	P	-0.05000	+0.000	0.045	P
0	0	Current 100uA	+0.00000	+0.00000	+0.001	0.020	P	+0.00000	+0.002	0.020	P
0	0	Current 100uA	+0.05000	+0.05000	-0.001	0.045	P	+0.05000	+0.002	0.045	P

0 0 Current 100uA +0.10000 +0.10000 -0.000 0.070 P +0.10000 -0.001 0.070 P
0 0 Current 1mA -1.00000 -1.00000 +0.002 0.625 P -1.00000 -0.001 0.625 P
0 0 Current 1mA -0.50000 -0.50000 -0.000 0.375 P -0.50000 -0.001 0.375 P
0 0 Current 1mA +0.00000 +0.00001 +0.007 0.125 P +0.00003 +0.019 0.125 P
0 0 Current 1mA +0.50000 +0.50000 -0.003 0.375 P +0.50001 +0.010 0.375 P
0 0 Current 1mA +1.00000 +0.99999 -0.010 0.625 P +0.99999 -0.000 0.625 P
0 0 Current 10mA -10.00000 -9.99982 +0.176 6.250 P -9.99980 +0.019 6.250 P
0 0 Current 10mA -5.00000 -4.99983 +0.170 3.750 P -4.99979 +0.040 3.750 P
0 0 Current 10mA +0.00000 +0.00005 +0.054 1.250 P +0.00018 +0.128 1.250 P
0 0 Current 10mA +5.00000 +4.99986 -0.136 3.750 P +4.99994 +0.076 3.750 P
0 0 Current 10mA +10.00000 +9.99998 -0.016 6.250 P +10.00003 +0.044 6.250 P
0 0 Current 100mA -100.00000 -100.00375 -3.753 62.500 P -100.00090 +2.852 62.502 P
0 0 Current 100mA -50.00000 -49.99678 +3.220 37.500 P -49.99935 -2.571 37.498 P
0 0 Current 100mA +0.00000 +0.00061 +0.615 12.500 P +0.00180 +1.185 12.500 P
0 0 Current 100mA +50.00000 +49.99548 -4.518 37.500 P +49.99993 +4.446 37.498 P
0 0 Current 100mA +100.00000 +100.00425 +4.245 62.500 P +99.99994 -4.306 62.502 P
0 0 Current 200mA -200.00000 -200.00780 -7.804 125.000 P -199.99925 +8.550 125.004 P
0 0 Current 200mA -100.00000 -99.99017 +9.826 75.000 P -99.99775 -7.573 74.995 P
0 0 Current 200mA +0.00000 +0.00586 +5.858 25.000 P +0.00729 +1.435 25.003 P
0 0 Current 200mA +100.00000 +99.99273 -7.267 75.000 P +100.00369 +10.955 74.996 P
0 0 Current 200mA +200.00000 +200.00973 +9.726 125.000 P +199.99862 -11.107 125.005 P
1 1 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 -0.000 0.013 P

1	1	Current	10uA	-0.00500	-0.00500	+0.000	0.010	P	-0.00500	-0.000	0.010	P
1	1	Current	10uA	+0.00000	+0.00000	+0.000	0.008	P	+0.00000	+0.000	0.008	P
1	1	Current	10uA	+0.00500	+0.00500	-0.000	0.010	P	+0.00500	+0.000	0.010	P
1	1	Current	10uA	+0.01000	+0.01000	-0.000	0.013	P	+0.01000	+0.000	0.013	P
1	1	Current	100uA	-0.10000	-0.10000	+0.001	0.070	P	-0.10000	+0.001	0.070	P
1	1	Current	100uA	-0.05000	-0.05000	+0.000	0.045	P	-0.05000	+0.000	0.045	P
1	1	Current	100uA	+0.00000	-0.00000	-0.000	0.020	P	-0.00000	-0.001	0.020	P
1	1	Current	100uA	+0.05000	+0.05000	+0.001	0.045	P	+0.05000	+0.001	0.045	P
1	1	Current	100uA	+0.10000	+0.10000	-0.000	0.070	P	+0.10000	+0.000	0.070	P
1	1	Current	1mA	-1.00000	-0.99999	+0.006	0.625	P	-1.00000	-0.009	0.625	P
1	1	Current	1mA	-0.50000	-0.50000	-0.001	0.375	P	-0.50000	+0.001	0.375	P
1	1	Current	1mA	+0.00000	-0.00000	-0.003	0.125	P	+0.00000	+0.006	0.125	P
1	1	Current	1mA	+0.50000	+0.50002	+0.018	0.375	P	+0.50003	+0.012	0.375	P
1	1	Current	1mA	+1.00000	+1.00001	+0.008	0.625	P	+1.00002	+0.014	0.625	P
1	1	Current	10mA	-10.00000	-9.99984	+0.156	6.250	P	-9.99989	-0.042	6.250	P
1	1	Current	10mA	-5.00000	-4.99982	+0.179	3.750	P	-4.99983	-0.008	3.750	P
1	1	Current	10mA	+0.00000	+0.00002	+0.016	1.250	P	-0.00002	-0.040	1.250	P
1	1	Current	10mA	+5.00000	+5.00003	+0.027	3.750	P	+5.00011	+0.082	3.750	P
1	1	Current	10mA	+10.00000	+10.00007	+0.072	6.250	P	+10.00017	+0.094	6.250	P
1	1	Current	100mA	-100.00000	-100.00037	-0.367	62.500	P	-99.99673	+3.632	62.500	P
1	1	Current	100mA	-50.00000	-49.99719	+2.806	37.500	P	-49.99843	-1.240	37.499	P
1	1	Current	100mA	+0.00000	+0.00039	+0.392	12.500	P	+0.00034	-0.055	12.500	P

1 1 Current 100mA +50.00000 +49.99835 -1.653 37.500 P +50.00167 +3.322 37.499 P
1 1 Current 100mA +100.00000 +100.00228 +2.278 62.500 P +99.99883 -3.447 62.501 P
1 1 Current 200mA -200.00000 -200.00400 -4.004 125.000 P -199.99616 +7.846 125.002 P
1 1 Current 200mA -100.00000 -99.99273 +7.267 75.000 P -99.99870 -5.968 74.996 P
1 1 Current 200mA +0.00000 +0.00265 +2.655 25.000 P +0.00394 +1.290 25.001 P
1 1 Current 200mA +100.00000 +99.99516 -4.841 75.000 P +100.00558 +10.417 74.998 P
1 1 Current 200mA +200.00000 +200.00712 +7.118 125.000 P +200.00102 -6.102 125.004 P
2 2 Current 10uA -0.01000 -0.01000 -0.000 0.013 P -0.01000 -0.000 0.013 P
2 2 Current 10uA -0.00500 -0.00500 -0.000 0.010 P -0.00500 -0.000 0.011 P
2 2 Current 10uA +0.00000 -0.00000 -0.000 0.008 P -0.00000 +0.000 0.008 P
2 2 Current 10uA +0.00500 +0.00500 +0.000 0.010 P +0.00500 +0.000 0.011 P
2 2 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 +0.000 0.013 P
2 2 Current 100uA -0.10000 -0.10000 +0.001 0.070 P -0.10000 -0.001 0.070 P
2 2 Current 100uA -0.05000 -0.05000 -0.000 0.045 P -0.05000 -0.000 0.045 P
2 2 Current 100uA +0.00000 -0.00000 -0.000 0.020 P +0.00000 +0.002 0.020 P
2 2 Current 100uA +0.05000 +0.05000 -0.001 0.045 P +0.05000 +0.001 0.045 P
2 2 Current 100uA +0.10000 +0.10000 +0.000 0.070 P +0.10000 -0.000 0.070 P
2 2 Current 1mA -1.00000 -0.99998 +0.019 0.625 P -0.99999 -0.009 0.625 P
2 2 Current 1mA -0.50000 -0.50001 -0.007 0.375 P -0.50001 -0.003 0.375 P
2 2 Current 1mA +0.00000 +0.00000 +0.000 0.125 P +0.00001 +0.013 0.125 P
2 2 Current 1mA +0.50000 +0.50001 +0.006 0.375 P +0.50002 +0.010 0.375 P
2 2 Current 1mA +1.00000 +1.00000 -0.002 0.625 P +1.00001 +0.008 0.625 P

2 2 Current 10mA -10.00000 -9.99997 +0.032 6.250 P -10.00000 -0.034 6.250 P
2 2 Current 10mA -5.00000 -4.99998 +0.017 3.750 P -4.99996 +0.020 3.750 P
2 2 Current 10mA +0.00000 -0.00003 -0.032 1.250 P +0.00016 +0.191 1.250 P
2 2 Current 10mA +5.00000 +4.99993 -0.075 3.750 P +5.00010 +0.176 3.750 P
2 2 Current 10mA +10.00000 +9.99984 -0.165 6.250 P +9.99992 +0.084 6.250 P
2 2 Current 100mA -100.00000 -100.00397 -3.973 62.500 P -100.00092 +3.048 62.502 P
2 2 Current 100mA -50.00000 -49.99780 +2.199 37.500 P -50.00004 -2.236 37.499 P
2 2 Current 100mA +0.00000 -0.00040 -0.396 12.500 P +0.00154 +1.941 12.500 P
2 2 Current 100mA +50.00000 +49.99576 -4.242 37.500 P +50.00030 +4.545 37.498 P
2 2 Current 100mA +100.00000 +100.00449 +4.487 62.500 P +100.00083 -3.655 62.502 P
2 2 Current 200mA -200.00000 -200.00538 -5.375 125.000 P -200.00133 +4.042 125.003 P
2 2 Current 200mA -100.00000 -99.99676 +3.239 75.000 P -100.00172 -4.963 74.998 P
2 2 Current 200mA +0.00000 +0.00133 +1.327 25.000 P +0.00550 +4.175 25.001 P
2 2 Current 200mA +100.00000 +99.99443 -5.572 75.000 P +100.00055 +6.124 74.997 P
2 2 Current 200mA +200.00000 +200.00501 +5.010 125.000 P +199.99791 -7.099 125.003 P
3 3 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 +0.000 0.013 P
3 3 Current 10uA -0.00500 -0.00500 -0.000 0.010 P -0.00500 -0.000 0.011 P
3 3 Current 10uA +0.00000 +0.00000 +0.000 0.008 P +0.00000 +0.000 0.008 P
3 3 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 +0.000 0.010 P
3 3 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 +0.000 0.013 P
3 3 Current 100uA -0.10000 -0.10000 +0.001 0.070 P -0.10000 -0.001 0.070 P
3 3 Current 100uA -0.05000 -0.05000 -0.001 0.045 P -0.05000 -0.000 0.045 P

3 3 Current 100uA +0.00000 +0.00000 +0.001 0.020 P +0.00000 +0.001 0.020 P
3 3 Current 100uA +0.05000 +0.05000 -0.002 0.045 P +0.05000 +0.001 0.045 P
3 3 Current 100uA +0.10000 +0.10000 -0.002 0.070 P +0.10000 +0.001 0.070 P
3 3 Current 1mA -1.00000 -1.00000 -0.002 0.625 P -1.00000 -0.001 0.625 P
3 3 Current 1mA -0.50000 -0.49998 +0.016 0.375 P -0.49998 +0.001 0.375 P
3 3 Current 1mA +0.00000 +0.00001 +0.007 0.125 P +0.00001 +0.004 0.125 P
3 3 Current 1mA +0.50000 +0.50001 +0.011 0.375 P +0.50002 +0.010 0.375 P
3 3 Current 1mA +1.00000 +0.99999 -0.011 0.625 P +1.00000 +0.010 0.625 P
3 3 Current 10mA -10.00000 -9.99981 +0.186 6.250 P -9.99982 -0.004 6.250 P
3 3 Current 10mA -5.00000 -5.00004 -0.044 3.750 P -5.00006 -0.015 3.750 P
3 3 Current 10mA +0.00000 +0.00001 +0.011 1.250 P +0.00012 +0.106 1.250 P
3 3 Current 10mA +5.00000 +5.00001 +0.012 3.750 P +5.00006 +0.046 3.750 P
3 3 Current 10mA +10.00000 +10.00000 -0.005 6.250 P +10.00006 +0.069 6.250 P
3 3 Current 100mA -100.00000 -100.00177 -1.767 62.500 P -99.99992 +1.847 62.501 P
3 3 Current 100mA -50.00000 -49.99862 +1.383 37.500 P -49.99949 -0.871 37.499 P
3 3 Current 100mA +0.00000 +0.00017 +0.166 12.500 P +0.00086 +0.699 12.500 P
3 3 Current 100mA +50.00000 +50.00048 +0.478 37.500 P +50.00168 +1.207 37.500 P
3 3 Current 100mA +100.00000 +99.99947 -0.531 62.500 P +99.99829 -1.181 62.500 P
3 3 Current 200mA -200.00000 -199.99710 +2.903 125.000 P -199.99622 +0.880 124.999 P
3 3 Current 200mA -100.00000 -99.99818 +1.816 75.000 P -99.99942 -1.238 74.999 P
3 3 Current 200mA +0.00000 +0.00412 +4.119 25.000 P +0.00630 +2.180 25.002 P
3 3 Current 200mA +100.00000 +99.99328 -6.715 75.000 P +99.99940 +6.111 74.997 P

3	3	Current	200mA	+200.00000	+200.00282	+2.819	125.000	P	+200.00279	-0.031	125.001	P
4	4	Current	10uA	-0.01000	-0.01000	+0.000	0.013	P	-0.01000	+0.000	0.013	P
4	4	Current	10uA	-0.00500	-0.00500	-0.000	0.010	P	-0.00500	+0.000	0.011	P
4	4	Current	10uA	+0.00000	-0.00000	-0.000	0.008	P	+0.00000	+0.000	0.008	P
4	4	Current	10uA	+0.00500	+0.00500	-0.000	0.010	P	+0.00500	+0.000	0.010	P
4	4	Current	10uA	+0.01000	+0.01000	-0.000	0.013	P	+0.01000	+0.000	0.013	P
4	4	Current	100uA	-0.10000	-0.10000	-0.001	0.070	P	-0.10000	+0.001	0.070	P
4	4	Current	100uA	-0.05000	-0.05000	+0.001	0.045	P	-0.05000	-0.000	0.045	P
4	4	Current	100uA	+0.00000	-0.00000	-0.002	0.020	P	-0.00000	+0.001	0.020	P
4	4	Current	100uA	+0.05000	+0.05000	-0.002	0.045	P	+0.05000	+0.001	0.045	P
4	4	Current	100uA	+0.10000	+0.10000	-0.002	0.070	P	+0.10000	+0.002	0.070	P
4	4	Current	1mA	-1.00000	-0.99998	+0.019	0.625	P	-0.99998	-0.002	0.625	P
4	4	Current	1mA	-0.50000	-0.50000	-0.000	0.375	P	-0.50000	+0.001	0.375	P
4	4	Current	1mA	+0.00000	+0.00001	+0.015	0.125	P	+0.00002	+0.008	0.125	P
4	4	Current	1mA	+0.50000	+0.50001	+0.014	0.375	P	+0.50003	+0.019	0.375	P
4	4	Current	1mA	+1.00000	+0.99998	-0.019	0.625	P	+1.00000	+0.015	0.625	P
4	4	Current	10mA	-10.00000	-9.99998	+0.015	6.250	P	-9.99990	+0.081	6.250	P
4	4	Current	10mA	-5.00000	-4.99993	+0.069	3.750	P	-4.99988	+0.052	3.750	P
4	4	Current	10mA	+0.00000	+0.00011	+0.107	1.250	P	+0.00024	+0.131	1.250	P
4	4	Current	10mA	+5.00000	+5.00008	+0.081	3.750	P	+5.00026	+0.175	3.750	P
4	4	Current	10mA	+10.00000	+9.99999	-0.009	6.250	P	+10.00008	+0.084	6.250	P
4	4	Current	100mA	-100.00000	-100.00081	-0.806	62.500	P	-99.99760	+3.210	62.500	P

4 4 Current 100mA -50.00000 -49.99777 +2.225 37.500 P -49.99950 -1.725 37.499 P
4 4 Current 100mA +0.00000 +0.00109 +1.092 12.500 P +0.00198 +0.893 12.501 P
4 4 Current 100mA +50.00000 +49.99737 -2.635 37.500 P +50.00214 +4.775 37.499 P
4 4 Current 100mA +100.00000 +100.00247 +2.471 62.500 P +99.99875 -3.722 62.501 P
4 4 Current 200mA -200.00000 -200.00748 -7.483 125.000 P -199.99739 +10.092 125.004 P
4 4 Current 200mA -100.00000 -99.99461 +5.385 75.000 P -99.99487 -0.253 74.997 P
4 4 Current 200mA +0.00000 +0.00622 +6.225 25.000 P +0.00614 -0.089 25.003 P
4 4 Current 200mA +100.00000 +99.99837 -1.634 75.000 P +100.00703 +8.659 74.999 P
4 4 Current 200mA +200.00000 +200.00657 +6.567 125.000 P +200.00000 -6.565 125.003 P
5 5 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 -0.000 0.013 P
5 5 Current 10uA -0.00500 -0.00500 +0.000 0.010 P -0.00500 +0.000 0.010 P
5 5 Current 10uA +0.00000 +0.00000 +0.000 0.008 P +0.00000 +0.000 0.008 P
5 5 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 +0.000 0.010 P
5 5 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 +0.000 0.013 P
5 5 Current 100uA -0.10000 -0.10000 -0.000 0.070 P -0.10000 +0.001 0.070 P
5 5 Current 100uA -0.05000 -0.05000 -0.000 0.045 P -0.05000 -0.001 0.045 P
5 5 Current 100uA +0.00000 -0.00000 -0.001 0.020 P -0.00000 +0.001 0.020 P
5 5 Current 100uA +0.05000 +0.05000 -0.000 0.045 P +0.05000 +0.001 0.045 P
5 5 Current 100uA +0.10000 +0.10000 +0.001 0.070 P +0.10000 -0.000 0.070 P
5 5 Current 1mA -1.00000 -0.99999 +0.006 0.625 P -0.99998 +0.009 0.625 P
5 5 Current 1mA -0.50000 -0.50000 +0.000 0.375 P -0.50000 -0.005 0.375 P
5 5 Current 1mA +0.00000 +0.00001 +0.014 0.125 P +0.00002 +0.001 0.125 P

5	5	Current	1mA	+0.50000	+0.49999	-0.011	0.375	P	+0.50000	+0.007	0.375 P
5	5	Current	1mA	+1.00000	+1.00000	-0.002	0.625	P	+1.00000	+0.006	0.625 P
5	5	Current	10mA	-10.00000	-10.00001	-0.012	6.250	P	-10.00001	+0.004	6.250 P
5	5	Current	10mA	-5.00000	-4.99987	+0.134	3.750	P	-4.99988	-0.013	3.750 P
5	5	Current	10mA	+0.00000	+0.00012	+0.122	1.250	P	+0.00011	-0.009	1.250 P
5	5	Current	10mA	+5.00000	+5.00005	+0.053	3.750	P	+5.00009	+0.032	3.750 P
5	5	Current	10mA	+10.00000	+9.99997	-0.031	6.250	P	+10.00002	+0.047	6.250 P
5	5	Current	100mA	-100.00000	-100.00268	-2.684	62.500	P	-99.99861	+4.070	62.501 P
5	5	Current	100mA	-50.00000	-49.99610	+3.903	37.500	P	-49.99889	-2.798	37.498 P
5	5	Current	100mA	+0.00000	+0.00100	+0.999	12.500	P	+0.00129	+0.289	12.500 P
5	5	Current	100mA	+50.00000	+49.99577	-4.233	37.500	P	+49.99995	+4.184	37.498 P
5	5	Current	100mA	+100.00000	+100.00346	+3.455	62.500	P	+99.99948	-3.973	62.502 P
5	5	Current	200mA	-200.00000	-200.00295	-2.953	125.000	P	-199.99475	+8.203	125.001 P
5	5	Current	200mA	-100.00000	-99.99694	+3.057	75.000	P	-100.00092	-3.980	74.998 P
5	5	Current	200mA	+0.00000	-0.00050	-0.503	25.000	P	-0.00078	-0.275	25.000 P
5	5	Current	200mA	+100.00000	+99.99571	-4.290	75.000	P	+100.00281	+7.103	74.998 P
5	5	Current	200mA	+200.00000	+200.00154	+1.538	125.000	P	+199.99697	-4.571	125.001 P

Current Measure 10X Section:

|---------- Measure I 10X ----------|

Pin	Chn	Desc	Expect(mA)	DMM(mA)	MI(mA)	Err(uA)	MI Lim(uA)	P/F
0	0	Curr10X 100uA	-0.01000	-0.01000	-0.01000	+0.001	0.017	P
0	0	Curr10X 100uA	-0.00500	-0.00500	-0.00500	+0.000	0.014	P
0	0	Curr10X 100uA	+0.00000	+0.00000	+0.00000	+0.000	0.012	P
0	0	Curr10X 100uA	+0.00500	+0.00500	+0.00500	-0.000	0.014	P
0	0	Curr10X 100uA	+0.01000	+0.01000	+0.01000	+0.000	0.017	P

0	0	Curr10X	1mA	-0.10000	-0.10000	-0.10001	-0.003	0.110	P
0	0	Curr10X	1mA	-0.05000	-0.04998	-0.04999	-0.003	0.085	P
0	0	Curr10X	1mA	+0.00000	+0.00001	+0.00001	-0.000	0.060	P
0	0	Curr10X	1mA	+0.05000	+0.05000	+0.04999	-0.004	0.085	P
0	0	Curr10X	1mA	+0.10000	+0.10002	+0.10001	-0.005	0.110	P
0	0	Curr10X	10mA	-1.00000	-0.99984	-0.99986	-0.015	1.100	P
0	0	Curr10X	10mA	-0.50000	-0.49992	-0.49993	-0.017	0.850	P
0	0	Curr10X	10mA	+0.00000	+0.00007	+0.00004	-0.030	0.600	P
0	0	Curr10X	10mA	+0.50000	+0.50003	+0.50002	-0.010	0.850	P
0	0	Curr10X	10mA	+1.00000	+0.99996	+0.99996	+0.009	1.100	P
0	0	Curr10X	100mA	-10.00000	-9.99812	-9.99772	+0.405	10.999	P
0	0	Curr10X	100mA	-5.00000	-4.99897	-4.99908	-0.116	8.499	P
0	0	Curr10X	100mA	+0.00000	+0.00070	+0.00068	-0.019	6.000	P
0	0	Curr10X	100mA	+5.00000	+5.00012	+4.99980	-0.321	8.500	P
0	0	Curr10X	100mA	+10.00000	+9.99904	+9.99865	-0.398	11.000	P
0	0	Curr10X	200mA	-20.00000	-19.99192	-19.99141	+0.507	21.996	P
0	0	Curr10X	200mA	-10.00000	-9.99254	-9.99254	+0.001	16.996	P
0	0	Curr10X	200mA	+0.00000	+0.00722	+0.00694	-0.277	12.004	P
0	0	Curr10X	200mA	+10.00000	+10.00099	+10.00081	-0.184	17.000	P
0	0	Curr10X	200mA	+20.00000	+20.00039	+19.99931	-1.079	22.000	P
1	1	Curr10X	100uA	-0.01000	-0.01000	-0.01000	-0.000	0.017	P
1	1	Curr10X	100uA	-0.00500	-0.00500	-0.00500	-0.000	0.014	P
1	1	Curr10X	100uA	+0.00000	-0.00000	-0.00000	-0.000	0.012	P
1	1	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.015	P
1	1	Curr10X	100uA	+0.01000	+0.01000	+0.01000	+0.000	0.017	P
1	1	Curr10X	1mA	-0.10000	-0.09999	-0.10000	-0.006	0.110	P
1	1	Curr10X	1mA	-0.05000	-0.04998	-0.04998	-0.001	0.085	P
1	1	Curr10X	1mA	+0.00000	-0.00000	+0.00000	+0.003	0.060	P
1	1	Curr10X	1mA	+0.05000	+0.05001	+0.05001	+0.000	0.085	P
1	1	Curr10X	1mA	+0.10000	+0.10002	+0.10002	+0.002	0.110	P
1	1	Curr10X	10mA	-1.00000	-0.99998	-1.00000	-0.016	1.100	P
1	1	Curr10X	10mA	-0.50000	-0.49999	-0.50000	-0.010	0.850	P
1	1	Curr10X	10mA	+0.00000	-0.00001	+0.00000	+0.012	0.600	P
1	1	Curr10X	10mA	+0.50000	+0.49992	+0.49993	+0.006	0.850	P
1	1	Curr10X	10mA	+1.00000	+0.99992	+0.99991	-0.007	1.100	P
1	1	Curr10X	100mA	-10.00000	-9.99854	-9.99829	+0.243	10.999	P
1	1	Curr10X	100mA	-5.00000	-4.99936	-4.99906	+0.303	8.500	P
1	1	Curr10X	100mA	+0.00000	-0.00007	-0.00016	-0.083	6.000	P
1	1	Curr10X	100mA	+5.00000	+5.00164	+5.00145	-0.188	8.501	P
1	1	Curr10X	100mA	+10.00000	+10.00076	+10.00098	+0.216	11.000	P
1	1	Curr10X	200mA	-20.00000	-19.98892	-19.98973	-0.809	21.994	P
1	1	Curr10X	200mA	-10.00000	-9.99465	-9.99509	-0.435	16.997	P
1	1	Curr10X	200mA	+0.00000	+0.00633	+0.00604	-0.290	12.003	P
1	1	Curr10X	200mA	+10.00000	+10.00595	+10.00600	+0.054	17.003	P

1	1	Curr10X	200mA	+20.00000	+20.00039	+19.99980	-0.591	22.000	P
2	2	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
2	2	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.015	P
2	2	Curr10X	100uA	+0.00000	-0.00000	-0.00000	-0.000	0.012	P
2	2	Curr10X	100uA	+0.00500	+0.00500	+0.00500	+0.000	0.014	P
2	2	Curr10X	100uA	+0.01000	+0.01000	+0.01000	+0.000	0.017	P
2	2	Curr10X	1mA	-0.10000	-0.09999	-0.09999	+0.001	0.110	P
2	2	Curr10X	1mA	-0.05000	-0.04998	-0.04998	-0.003	0.085	P
2	2	Curr10X	1mA	+0.00000	+0.00000	+0.00000	+0.000	0.060	P
2	2	Curr10X	1mA	+0.05000	+0.05001	+0.05001	-0.003	0.085	P
2	2	Curr10X	1mA	+0.10000	+0.10000	+0.10000	-0.001	0.110	P
2	2	Curr10X	10mA	-1.00000	-0.99994	-0.99995	-0.009	1.100	P
2	2	Curr10X	10mA	-0.50000	-0.49993	-0.49996	-0.029	0.850	P
2	2	Curr10X	10mA	+0.00000	+0.00001	-0.00000	-0.014	0.600	P
2	2	Curr10X	10mA	+0.50000	+0.49997	+0.49996	-0.005	0.850	P
2	2	Curr10X	10mA	+1.00000	+1.00000	+0.99995	-0.046	1.100	P
2	2	Curr10X	100mA	-10.00000	-9.99795	-9.99793	+0.019	10.999	P
2	2	Curr10X	100mA	-5.00000	-4.99875	-4.99881	-0.059	8.499	P
2	2	Curr10X	100mA	+0.00000	-0.00015	-0.00020	-0.059	6.000	P
2	2	Curr10X	100mA	+5.00000	+4.99866	+4.99884	+0.173	8.499	P
2	2	Curr10X	100mA	+10.00000	+9.99802	+9.99787	-0.152	10.999	P
2	2	Curr10X	200mA	-20.00000	-19.99449	-19.99446	+0.028	21.997	P
2	2	Curr10X	200mA	-10.00000	-9.99705	-9.99701	+0.043	16.999	P
2	2	Curr10X	200mA	+0.00000	+0.00610	+0.00584	-0.264	12.003	P
2	2	Curr10X	200mA	+10.00000	+10.00286	+10.00251	-0.350	17.001	P
2	2	Curr10X	200mA	+20.00000	+20.00083	+20.00044	-0.394	22.000	P
3	3	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
3	3	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.015	P
3	3	Curr10X	100uA	+0.00000	+0.00000	+0.00000	-0.000	0.012	P
3	3	Curr10X	100uA	+0.00500	+0.00500	+0.00500	+0.000	0.014	P
3	3	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
3	3	Curr10X	1mA	-0.10000	-0.10000	-0.10000	+0.000	0.110	P
3	3	Curr10X	1mA	-0.05000	-0.05000	-0.05000	-0.001	0.085	P
3	3	Curr10X	1mA	+0.00000	+0.00001	+0.00001	-0.000	0.060	P
3	3	Curr10X	1mA	+0.05000	+0.05000	+0.05000	-0.002	0.085	P
3	3	Curr10X	1mA	+0.10000	+0.10000	+0.10000	+0.000	0.110	P
3	3	Curr10X	10mA	-1.00000	-1.00007	-1.00009	-0.017	1.100	P
3	3	Curr10X	10mA	-0.50000	-0.50004	-0.50002	+0.019	0.850	P
3	3	Curr10X	10mA	+0.00000	+0.00005	+0.00004	-0.013	0.600	P
3	3	Curr10X	10mA	+0.50000	+0.50004	+0.50002	-0.023	0.850	P
3	3	Curr10X	10mA	+1.00000	+1.00010	+1.00007	-0.031	1.100	P
3	3	Curr10X	100mA	-10.00000	-10.00016	-9.99999	+0.172	11.000	P
3	3	Curr10X	100mA	-5.00000	-4.99851	-4.99851	-0.003	8.499	P
3	3	Curr10X	100mA	+0.00000	+0.00036	+0.00020	-0.167	6.000	P

3	3	Curr10X	100mA	+5.00000	+5.00155	+5.00139	-0.158	8.501	P
3	3	Curr10X	100mA	+10.00000	+10.00004	+9.99987	-0.174	11.000	P
3	3	Curr10X	200mA	-20.00000	-19.99856	-19.99867	-0.110	21.999	P
3	3	Curr10X	200mA	-10.00000	-9.99631	-9.99672	-0.413	16.998	P
3	3	Curr10X	200mA	+0.00000	+0.00680	+0.00629	-0.512	12.003	P
3	3	Curr10X	200mA	+10.00000	+10.00203	+10.00185	-0.178	17.001	P
3	3	Curr10X	200mA	+20.00000	+20.00444	+20.00428	-0.163	22.002	P
4	4	Curr10X	100uA	-0.01000	-0.01000	-0.01000	-0.000	0.017	P
4	4	Curr10X	100uA	-0.00500	-0.00500	-0.00500	-0.000	0.015	P
4	4	Curr10X	100uA	+0.00000	-0.00000	-0.00000	+0.000	0.012	P
4	4	Curr10X	100uA	+0.00500	+0.00500	+0.00500	+0.000	0.015	P
4	4	Curr10X	100uA	+0.01000	+0.01000	+0.01000	+0.000	0.017	P
4	4	Curr10X	1mA	-0.10000	-0.10001	-0.10001	+0.001	0.110	P
4	4	Curr10X	1mA	-0.05000	-0.05000	-0.05000	-0.001	0.085	P
4	4	Curr10X	1mA	+0.00000	+0.00001	+0.00002	+0.001	0.060	P
4	4	Curr10X	1mA	+0.05000	+0.04999	+0.04999	-0.004	0.085	P
4	4	Curr10X	1mA	+0.10000	+0.10000	+0.10000	-0.001	0.110	P
4	4	Curr10X	10mA	-1.00000	-0.99981	-0.99982	-0.003	1.100	P
4	4	Curr10X	10mA	-0.50000	-0.49984	-0.49984	-0.003	0.850	P
4	4	Curr10X	10mA	+0.00000	+0.00015	+0.00013	-0.021	0.600	P
4	4	Curr10X	10mA	+0.50000	+0.50010	+0.50008	-0.020	0.850	P
4	4	Curr10X	10mA	+1.00000	+1.00009	+1.00008	-0.011	1.100	P
4	4	Curr10X	100mA	-10.00000	-9.99761	-9.99768	-0.065	10.999	P
4	4	Curr10X	100mA	-5.00000	-4.99810	-4.99823	-0.125	8.499	P
4	4	Curr10X	100mA	+0.00000	+0.00123	+0.00114	-0.098	6.001	P
4	4	Curr10X	100mA	+5.00000	+5.00048	+5.00042	-0.057	8.500	P
4	4	Curr10X	100mA	+10.00000	+9.99999	+9.99971	-0.279	11.000	P
4	4	Curr10X	200mA	-20.00000	-19.99430	-19.99452	-0.219	21.997	P
4	4	Curr10X	200mA	-10.00000	-9.99241	-9.99282	-0.410	16.996	P
4	4	Curr10X	200mA	+0.00000	+0.00858	+0.00862	+0.039	12.004	P
4	4	Curr10X	200mA	+10.00000	+10.00383	+10.00351	-0.325	17.002	P
4	4	Curr10X	200mA	+20.00000	+20.00463	+20.00340	-1.232	22.002	P
5	5	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
5	5	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.015	P
5	5	Curr10X	100uA	+0.00000	-0.00000	-0.00000	+0.000	0.012	P
5	5	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.015	P
5	5	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
5	5	Curr10X	1mA	-0.10000	-0.09999	-0.09999	-0.001	0.110	P
5	5	Curr10X	1mA	-0.05000	-0.05000	-0.05001	-0.002	0.085	P
5	5	Curr10X	1mA	+0.00000	+0.00001	+0.00001	+0.000	0.060	P
5	5	Curr10X	1mA	+0.05000	+0.05000	+0.05000	-0.002	0.085	P
5	5	Curr10X	1mA	+0.10000	+0.10002	+0.10001	-0.003	0.110	P
5	5	Curr10X	10mA	-1.00000	-0.99986	-0.99989	-0.025	1.100	P
5	5	Curr10X	10mA	-0.50000	-0.50003	-0.50004	-0.014	0.850	P

5	5	Curr10X	10mA	+0.00000	+0.00014	+0.00012	-0.013	0.600 P
5	5	Curr10X	10mA	+0.50000	+0.49997	+0.49995	-0.017	0.850 P
5	5	Curr10X	10mA	+1.00000	+1.00012	+1.00011	-0.013	1.100 P
5	5	Curr10X	100mA	-10.00000	-9.99856	-9.99862	-0.063	10.999 P
5	5	Curr10X	100mA	-5.00000	-4.99866	-4.99886	-0.194	8.499 P
5	5	Curr10X	100mA	+0.00000	+0.00135	+0.00127	-0.081	6.001 P
5	5	Curr10X	100mA	+5.00000	+5.00109	+5.00100	-0.085	8.501 P
5	5	Curr10X	100mA	+10.00000	+10.00091	+10.00056	-0.349	11.000 P
5	5	Curr10X	200mA	-20.00000	-19.99176	-19.99152	+0.247	21.996 P
5	5	Curr10X	200mA	-10.00000	-9.99187	-9.99205	-0.178	16.996 P
5	5	Curr10X	200mA	+0.00000	+0.00216	+0.00211	-0.058	12.001 P
5	5	Curr10X	200mA	+10.00000	+10.00259	+10.00190	-0.691	17.001 P
5	5	Curr10X	200mA	+20.00000	+20.00218	+20.00183	-0.352	22.001 P

Last Calibration Date: 10/26/22 12:29.59
(10/26/22 12:34.23 - CAL REV:2015) CHK STATUS: PASS

Cal APU12 07: SN   REV 41

(10/26/22 12:39.01 - CAL REV:2015) *** CAL RAM UPDATED ***

Check APU12 07: SN   REV 41

Temperature Section:

Cal Temp(C)	Chk Temp(C)	Error(C)	Limit(C)	P/F
+24.16	+24.90	+0.74	5.00	P

Voltage Force/Measure Section:

			Force V					Measure V			
Pin	Chn	Desc	Expect(V)	DMM(V)	Err(mV)	FV Lim(mV)	P/F	MV (V)	Err(mV)	MV Lim(mV)	P/F
6	0	Voltage 3.6V	-3.60000	-3.59995	+0.048	1.350	P	-3.59991	+0.039	1.350	P
6	0	Voltage 3.6V	-1.80000	-1.79999	+0.012	0.900	P	-1.79999	-0.000	0.900	P
6	0	Voltage 3.6V	+0.00000	-0.00001	-0.011	0.450	P	+0.00002	+0.033	0.450	P
6	0	Voltage 3.6V	+1.80000	+1.79997	-0.030	0.900	P	+1.80008	+0.107	0.900	P
6	0	Voltage 3.6V	+3.60000	+3.59998	-0.024	1.350	P	+3.59996	-0.019	1.350	P

6	0	Voltage 10 V	-10.00000	-10.00014	-0.140	3.800	P	-9.99998	+0.159	3.800	P
6	0	Voltage 10 V	-5.00000	-5.00010	-0.102	2.550	P	-4.99985	+0.256	2.550	P
6	0	Voltage 10 V	+0.00000	+0.00006	+0.064	1.300	P	+0.00019	+0.129	1.300	P
6	0	Voltage 10 V	+5.00000	+5.00002	+0.024	2.550	P	+5.00008	+0.056	2.550	P
6	0	Voltage 10 V	+10.00000	+10.00007	+0.074	3.800	P	+10.00025	+0.173	3.800	P
6	0	Voltage 30 V	-30.00000	-30.00048	-0.477	11.500	P	-29.99998	+0.501	11.500	P
6	0	Voltage 30 V	-15.00000	-14.99994	+0.065	7.750	P	-14.99931	+0.622	7.750	P
6	0	Voltage 30 V	+0.00000	-0.00043	-0.435	4.000	P	+0.00023	+0.667	4.000	P
6	0	Voltage 30 V	+15.00000	+15.00059	+0.588	7.750	P	+15.00086	+0.271	7.750	P
6	0	Voltage 30 V	+30.00000	+30.00043	+0.425	11.500	P	+30.00074	+0.319	11.500	P
7	1	Voltage 3.6V	-3.60000	-3.59995	+0.047	1.350	P	-3.59992	+0.038	1.350	P
7	1	Voltage 3.6V	-1.80000	-1.79997	+0.025	0.900	P	-1.79994	+0.034	0.900	P
7	1	Voltage 3.6V	+0.00000	+0.00001	+0.015	0.450	P	+0.00004	+0.028	0.450	P
7	1	Voltage 3.6V	+1.80000	+1.79999	-0.013	0.900	P	+1.80000	+0.013	0.900	P
7	1	Voltage 3.6V	+3.60000	+3.60005	+0.046	1.350	P	+3.60001	-0.035	1.350	P
7	1	Voltage 10 V	-10.00000	-10.00003	-0.034	3.800	P	-9.99999	+0.045	3.800	P
7	1	Voltage 10 V	-5.00000	-4.99995	+0.051	2.550	P	-4.99982	+0.129	2.550	P
7	1	Voltage 10 V	+0.00000	-0.00008	-0.081	1.300	P	-0.00005	+0.033	1.300	P
7	1	Voltage 10 V	+5.00000	+5.00007	+0.066	2.550	P	+5.00005	-0.014	2.550	P
7	1	Voltage 10 V	+10.00000	+10.00011	+0.108	3.800	P	+10.00022	+0.109	3.800	P
7	1	Voltage 30 V	-30.00000	-30.00001	-0.014	11.500	P	-29.99989	+0.126	11.500	P
7	1	Voltage 30 V	-15.00000	-15.00014	-0.137	7.750	P	-14.99981	+0.332	7.750	P

7	1	Voltage 30 V	+0.00000	-0.00035	-0.348	4.000	P	-0.00001	+0.335	4.000	P
7	1	Voltage 30 V	+15.00000	+15.00048	+0.481	7.750	P	+15.00047	-0.016	7.750	P
7	1	Voltage 30 V	+30.00000	+30.00036	+0.361	11.500	P	+30.00078	+0.423	11.500	P
8	2	Voltage 3.6V	-3.60000	-3.59999	+0.006	1.350	P	-3.59995	+0.048	1.350	P
8	2	Voltage 3.6V	-1.80000	-1.79997	+0.033	0.900	P	-1.79995	+0.021	0.900	P
8	2	Voltage 3.6V	+0.00000	-0.00001	-0.012	0.450	P	+0.00004	+0.049	0.450	P
8	2	Voltage 3.6V	+1.80000	+1.80004	+0.042	0.900	P	+1.80006	+0.022	0.900	P
8	2	Voltage 3.6V	+3.60000	+3.60002	+0.024	1.350	P	+3.60000	-0.020	1.350	P
8	2	Voltage 10 V	-10.00000	-9.99992	+0.079	3.800	P	-9.99989	+0.035	3.800	P
8	2	Voltage 10 V	-5.00000	-5.00017	-0.174	2.550	P	-4.99999	+0.181	2.550	P
8	2	Voltage 10 V	+0.00000	+0.00001	+0.014	1.300	P	+0.00021	+0.195	1.300	P
8	2	Voltage 10 V	+5.00000	+5.00018	+0.185	2.550	P	+5.00019	+0.006	2.550	P
8	2	Voltage 10 V	+10.00000	+9.99986	-0.140	3.800	P	+10.00003	+0.168	3.800	P
8	2	Voltage 30 V	-30.00000	-30.00027	-0.268	11.500	P	-30.00033	-0.058	11.500	P
8	2	Voltage 30 V	-15.00000	-15.00003	-0.032	7.750	P	-14.99971	+0.327	7.750	P
8	2	Voltage 30 V	+0.00000	+0.00035	+0.350	4.000	P	+0.00113	+0.784	4.000	P
8	2	Voltage 30 V	+15.00000	+14.99990	-0.098	7.750	P	+15.00008	+0.182	7.750	P
8	2	Voltage 30 V	+30.00000	+30.00009	+0.088	11.500	P	+30.00059	+0.503	11.500	P
9	3	Voltage 3.6V	-3.60000	-3.60003	-0.035	1.350	P	-3.59999	+0.049	1.350	P
9	3	Voltage 3.6V	-1.80000	-1.79993	+0.068	0.900	P	-1.79990	+0.028	0.900	P
9	3	Voltage 3.6V	+0.00000	-0.00000	-0.002	0.450	P	+0.00008	+0.085	0.450	P
9	3	Voltage 3.6V	+1.80000	+1.79993	-0.066	0.900	P	+1.79998	+0.045	0.900	P

9	3	Voltage 3.6V	+3.60000	+3.60002	+0.017	1.350	P	+3.60000	-0.013	1.350	P	
9	3	Voltage 10 V	-10.00000	-9.99991	+0.091	3.800	P	-9.99982	+0.087	3.800	P	
9	3	Voltage 10 V	-5.00000	-5.00014	-0.142	2.550	P	-4.99989	+0.254	2.550	P	
9	3	Voltage 10 V	+0.00000	+0.00006	+0.056	1.300	P	+0.00019	+0.135	1.300	P	
9	3	Voltage 10 V	+5.00000	+5.00000	-0.003	2.550	P	+5.00009	+0.090	2.550	P	
9	3	Voltage 10 V	+10.00000	+10.00007	+0.072	3.800	P	+10.00012	+0.052	3.800	P	
9	3	Voltage 30 V	-30.00000	-30.00021	-0.205	11.500	P	-29.99986	+0.343	11.500	P	
9	3	Voltage 30 V	-15.00000	-14.99983	+0.174	7.750	P	-14.99911	+0.721	7.750	P	
9	3	Voltage 30 V	+0.00000	-0.00017	-0.172	4.000	P	+0.00033	+0.502	4.000	P	
9	3	Voltage 30 V	+15.00000	+14.99968	-0.316	7.750	P	+15.00003	+0.344	7.750	P	
9	3	Voltage 30 V	+30.00000	+30.00018	+0.185	11.500	P	+30.00043	+0.246	11.500	P	
10	4	Voltage 3.6V	-3.60000	-3.59990	+0.101	1.350	P	-3.59986	+0.037	1.350	P	
10	4	Voltage 3.6V	-1.80000	-1.79992	+0.084	0.900	P	-1.79992	-0.006	0.900	P	
10	4	Voltage 3.6V	+0.00000	+0.00007	+0.074	0.450	P	+0.00012	+0.043	0.450	P	
10	4	Voltage 3.6V	+1.80000	+1.79991	-0.094	0.900	P	+1.79995	+0.042	0.900	P	
10	4	Voltage 3.6V	+3.60000	+3.59995	-0.049	1.350	P	+3.59994	-0.014	1.350	P	
10	4	Voltage 10 V	-10.00000	-10.00013	-0.134	3.800	P	-10.00006	+0.075	3.800	P	
10	4	Voltage 10 V	-5.00000	-5.00009	-0.088	2.550	P	-4.99993	+0.158	2.550	P	
10	4	Voltage 10 V	+0.00000	+0.00007	+0.066	1.300	P	+0.00020	+0.134	1.300	P	
10	4	Voltage 10 V	+5.00000	+5.00019	+0.190	2.550	P	+5.00022	+0.027	2.550	P	
10	4	Voltage 10 V	+10.00000	+9.99985	-0.154	3.800	P	+9.99993	+0.088	3.800	P	
10	4	Voltage 30 V	-30.00000	-30.00041	-0.413	11.500	P	-30.00008	+0.334	11.500	P	

10	4	Voltage 30 V	-15.00000	-14.99985	+0.150	7.750	P	-14.99949	+0.359	7.750	P	
10	4	Voltage 30 V	+0.00000	-0.00017	-0.175	4.000	P	+0.00050	+0.676	4.000	P	
10	4	Voltage 30 V	+15.00000	+15.00034	+0.342	7.750	P	+15.00077	+0.425	7.750	P	
10	4	Voltage 30 V	+30.00000	+29.99995	-0.048	11.500	P	+30.00023	+0.276	11.500	P	
11	5	Voltage 3.6V	-3.60000	-3.59999	+0.011	1.350	P	-3.59992	+0.071	1.350	P	
11	5	Voltage 3.6V	-1.80000	-1.79999	+0.008	0.900	P	-1.79999	+0.003	0.900	P	
11	5	Voltage 3.6V	+0.00000	+0.00006	+0.061	0.450	P	+0.00011	+0.048	0.450	P	
11	5	Voltage 3.6V	+1.80000	+1.79997	-0.033	0.900	P	+1.80000	+0.034	0.900	P	
11	5	Voltage 3.6V	+3.60000	+3.60007	+0.072	1.350	P	+3.60006	-0.007	1.350	P	
11	5	Voltage 10 V	-10.00000	-10.00000	+0.004	3.800	P	-9.99987	+0.128	3.800	P	
11	5	Voltage 10 V	-5.00000	-5.00009	-0.094	2.550	P	-4.99987	+0.226	2.550	P	
11	5	Voltage 10 V	+0.00000	-0.00001	-0.011	1.300	P	+0.00014	+0.153	1.300	P	
11	5	Voltage 10 V	+5.00000	+5.00006	+0.056	2.550	P	+5.00010	+0.044	2.550	P	
11	5	Voltage 10 V	+10.00000	+9.99998	-0.024	3.800	P	+10.00005	+0.077	3.800	P	
11	5	Voltage 30 V	-30.00000	-30.00032	-0.318	11.500	P	-30.00020	+0.114	11.500	P	
11	5	Voltage 30 V	-15.00000	-15.00006	-0.057	7.750	P	-14.99951	+0.546	7.750	P	
11	5	Voltage 30 V	+0.00000	+0.00045	+0.453	4.000	P	+0.00100	+0.545	4.000	P	
11	5	Voltage 30 V	+15.00000	+15.00012	+0.121	7.750	P	+15.00037	+0.252	7.750	P	
11	5	Voltage 30 V	+30.00000	+29.99963	-0.367	11.500	P	+29.99975	+0.115	11.500	P	

Current Common Mode 1X Section:

				---------- Measure I 1x ----------|					
Pin	Chn	Desc	Force(V)	Exp(uA)	MI (uA)	Err(uA)	Limit(uA)	P/F	
6	0	Cmr 1x 10uA	-30.000	+0.000	-0.0037	-0.0037	0.014	P	

6	0	Cmr 1x	10uA	-15.000	+0.000	+0.0006	+0.0006	0.011 P
6	0	Cmr 1x	10uA	+0.000	+0.000	+0.0012	+0.0012	0.008 P
6	0	Cmr 1x	10uA	+15.000	+0.000	+0.0017	+0.0017	0.011 P
6	0	Cmr 1x	10uA	+30.000	+0.000	+0.0014	+0.0014	0.014 P
6	0	Cmr 1x	100uA	-30.000	+0.000	+0.0015	+0.0015	0.044 P
6	0	Cmr 1x	100uA	-15.000	+0.000	+0.0026	+0.0026	0.032 P
6	0	Cmr 1x	100uA	+0.000	+0.000	+0.0043	+0.0043	0.020 P
6	0	Cmr 1x	100uA	+15.000	+0.000	+0.0020	+0.0020	0.032 P
6	0	Cmr 1x	100uA	+30.000	+0.000	+0.0040	+0.0040	0.044 P
6	0	Cmr 1x	1mA	-30.000	+0.000	+0.0322	+0.0322	0.365 P
6	0	Cmr 1x	1mA	-15.000	+0.000	+0.0286	+0.0286	0.245 P
6	0	Cmr 1x	1mA	+0.000	+0.000	+0.0252	+0.0252	0.125 P
6	0	Cmr 1x	1mA	+15.000	+0.000	+0.0237	+0.0237	0.245 P
6	0	Cmr 1x	1mA	+30.000	+0.000	+0.0154	+0.0154	0.365 P
6	0	Cmr 1x	10mA	-30.000	+0.000	+0.3913	+0.3913	3.650 P
6	0	Cmr 1x	10mA	-15.000	+0.000	+0.3365	+0.3365	2.450 P
6	0	Cmr 1x	10mA	+0.000	+0.000	+0.2817	+0.2817	1.250 P
6	0	Cmr 1x	10mA	+15.000	+0.000	+0.2191	+0.2191	2.450 P
6	0	Cmr 1x	10mA	+30.000	+0.000	+0.1533	+0.1533	3.650 P
6	0	Cmr 1x	100mA	-30.000	+0.000	+3.4921	+3.4921	36.500 P
6	0	Cmr 1x	100mA	-15.000	+0.000	+3.3984	+3.3984	24.500 P
6	0	Cmr 1x	100mA	+0.000	+0.000	+2.9142	+2.9142	12.500 P
6	0	Cmr 1x	100mA	+15.000	+0.000	+1.6804	+1.6804	24.500 P
6	0	Cmr 1x	100mA	+30.000	+0.000	+1.0088	+1.0088	36.500 P
6	0	Cmr 1x	200mA	-10.000	+0.000	+4.3361	+4.3361	41.000 P
6	0	Cmr 1x	200mA	-5.000	+0.000	+2.6204	+2.6204	33.000 P
6	0	Cmr 1x	200mA	+0.000	+0.000	+3.9618	+3.9618	25.000 P
6	0	Cmr 1x	200mA	+5.000	+0.000	+1.5287	+1.5287	33.000 P
6	0	Cmr 1x	200mA	+10.000	+0.000	-0.2493	-0.2493	41.000 P
7	1	Cmr 1x	10uA	-30.000	+0.000	-0.0034	-0.0034	0.014 P
7	1	Cmr 1x	10uA	-15.000	+0.000	+0.0005	+0.0005	0.011 P
7	1	Cmr 1x	10uA	+0.000	+0.000	+0.0017	+0.0017	0.008 P
7	1	Cmr 1x	10uA	+15.000	+0.000	+0.0017	+0.0017	0.011 P
7	1	Cmr 1x	10uA	+30.000	+0.000	+0.0019	+0.0019	0.014 P
7	1	Cmr 1x	100uA	-30.000	+0.000	+0.0014	+0.0014	0.044 P
7	1	Cmr 1x	100uA	-15.000	+0.000	+0.0034	+0.0034	0.032 P
7	1	Cmr 1x	100uA	+0.000	+0.000	-0.0001	-0.0001	0.020 P
7	1	Cmr 1x	100uA	+15.000	+0.000	+0.0032	+0.0032	0.032 P
7	1	Cmr 1x	100uA	+30.000	+0.000	-0.0003	-0.0003	0.044 P
7	1	Cmr 1x	1mA	-30.000	+0.000	+0.0155	+0.0155	0.365 P
7	1	Cmr 1x	1mA	-15.000	+0.000	+0.0124	+0.0124	0.245 P
7	1	Cmr 1x	1mA	+0.000	+0.000	+0.0149	+0.0149	0.125 P
7	1	Cmr 1x	1mA	+15.000	+0.000	+0.0070	+0.0070	0.245 P
7	1	Cmr 1x	1mA	+30.000	+0.000	-0.0023	-0.0023	0.365 P

7	1	Cmr 1x	10mA	-30.000	+0.000	+0.3109	+0.3109	3.650 P
7	1	Cmr 1x	10mA	-15.000	+0.000	+0.2984	+0.2984	2.450 P
7	1	Cmr 1x	10mA	+0.000	+0.000	+0.1559	+0.1559	1.250 P
7	1	Cmr 1x	10mA	+15.000	+0.000	+0.1230	+0.1230	2.450 P
7	1	Cmr 1x	10mA	+30.000	+0.000	+0.0588	+0.0588	3.650 P
7	1	Cmr 1x	100mA	-30.000	+0.000	+3.4395	+3.4395	36.500 P
7	1	Cmr 1x	100mA	-15.000	+0.000	+3.1399	+3.1399	24.500 P
7	1	Cmr 1x	100mA	+0.000	+0.000	+1.9574	+1.9574	12.500 P
7	1	Cmr 1x	100mA	+15.000	+0.000	+0.6488	+0.6488	24.500 P
7	1	Cmr 1x	100mA	+30.000	+0.000	+0.3020	+0.3020	36.500 P
7	1	Cmr 1x	200mA	-10.000	+0.000	+3.3644	+3.3644	41.000 P
7	1	Cmr 1x	200mA	-5.000	+0.000	+2.6752	+2.6752	33.000 P
7	1	Cmr 1x	200mA	+0.000	+0.000	+0.6704	+0.6704	25.000 P
7	1	Cmr 1x	200mA	+5.000	+0.000	+0.9837	+0.9837	33.000 P
7	1	Cmr 1x	200mA	+10.000	+0.000	-0.9585	-0.9585	41.000 P
8	2	Cmr 1x	10uA	-30.000	+0.000	-0.0037	-0.0037	0.014 P
8	2	Cmr 1x	10uA	-15.000	+0.000	+0.0003	+0.0003	0.011 P
8	2	Cmr 1x	10uA	+0.000	+0.000	+0.0016	+0.0016	0.008 P
8	2	Cmr 1x	10uA	+15.000	+0.000	+0.0018	+0.0018	0.011 P
8	2	Cmr 1x	10uA	+30.000	+0.000	+0.0020	+0.0020	0.014 P
8	2	Cmr 1x	100uA	-30.000	+0.000	-0.0005	-0.0005	0.044 P
8	2	Cmr 1x	100uA	-15.000	+0.000	-0.0025	-0.0025	0.032 P
8	2	Cmr 1x	100uA	+0.000	+0.000	+0.0048	+0.0048	0.020 P
8	2	Cmr 1x	100uA	+15.000	+0.000	+0.0022	+0.0022	0.032 P
8	2	Cmr 1x	100uA	+30.000	+0.000	-0.0011	-0.0011	0.044 P
8	2	Cmr 1x	1mA	-30.000	+0.000	+0.0197	+0.0197	0.365 P
8	2	Cmr 1x	1mA	-15.000	+0.000	+0.0220	+0.0220	0.245 P
8	2	Cmr 1x	1mA	+0.000	+0.000	+0.0299	+0.0299	0.125 P
8	2	Cmr 1x	1mA	+15.000	+0.000	+0.0148	+0.0148	0.245 P
8	2	Cmr 1x	1mA	+30.000	+0.000	+0.0074	+0.0074	0.365 P
8	2	Cmr 1x	10mA	-30.000	+0.000	+0.2459	+0.2459	3.650 P
8	2	Cmr 1x	10mA	-15.000	+0.000	+0.2850	+0.2850	2.450 P
8	2	Cmr 1x	10mA	+0.000	+0.000	+0.1754	+0.1754	1.250 P
8	2	Cmr 1x	10mA	+15.000	+0.000	+0.1127	+0.1127	2.450 P
8	2	Cmr 1x	10mA	+30.000	+0.000	+0.0673	+0.0673	3.650 P
8	2	Cmr 1x	100mA	-30.000	+0.000	+2.8266	+2.8266	36.500 P
8	2	Cmr 1x	100mA	-15.000	+0.000	+2.5144	+2.5144	24.500 P
8	2	Cmr 1x	100mA	+0.000	+0.000	+1.8901	+1.8901	12.500 P
8	2	Cmr 1x	100mA	+15.000	+0.000	+1.3439	+1.3439	24.500 P
8	2	Cmr 1x	100mA	+30.000	+0.000	+0.8913	+0.8913	36.500 P
8	2	Cmr 1x	200mA	-10.000	+0.000	+3.4602	+3.4602	41.000 P
8	2	Cmr 1x	200mA	-5.000	+0.000	+2.0259	+2.0259	33.000 P
8	2	Cmr 1x	200mA	+0.000	+0.000	+1.2153	+1.2153	25.000 P
8	2	Cmr 1x	200mA	+5.000	+0.000	+0.0305	+0.0305	33.000 P

8	2	Cmr 1x	200mA	+10.000	+0.000	-0.3125	-0.3125	41.000	P
9	3	Cmr 1x	10uA	-30.000	+0.000	-0.0036	-0.0036	0.014	P
9	3	Cmr 1x	10uA	-15.000	+0.000	+0.0015	+0.0015	0.011	P
9	3	Cmr 1x	10uA	+0.000	+0.000	+0.0015	+0.0015	0.008	P
9	3	Cmr 1x	10uA	+15.000	+0.000	+0.0021	+0.0021	0.011	P
9	3	Cmr 1x	10uA	+30.000	+0.000	+0.0013	+0.0013	0.014	P
9	3	Cmr 1x	100uA	-30.000	+0.000	-0.0035	-0.0035	0.044	P
9	3	Cmr 1x	100uA	-15.000	+0.000	+0.0025	+0.0025	0.032	P
9	3	Cmr 1x	100uA	+0.000	+0.000	+0.0029	+0.0029	0.020	P
9	3	Cmr 1x	100uA	+15.000	+0.000	+0.0046	+0.0046	0.032	P
9	3	Cmr 1x	100uA	+30.000	+0.000	-0.0030	-0.0030	0.044	P
9	3	Cmr 1x	1mA	-30.000	+0.000	+0.0352	+0.0352	0.365	P
9	3	Cmr 1x	1mA	-15.000	+0.000	+0.0406	+0.0406	0.245	P
9	3	Cmr 1x	1mA	+0.000	+0.000	+0.0247	+0.0247	0.125	P
9	3	Cmr 1x	1mA	+15.000	+0.000	+0.0187	+0.0187	0.245	P
9	3	Cmr 1x	1mA	+30.000	+0.000	+0.0071	+0.0071	0.365	P
9	3	Cmr 1x	10mA	-30.000	+0.000	+0.3503	+0.3503	3.650	P
9	3	Cmr 1x	10mA	-15.000	+0.000	+0.3315	+0.3315	2.450	P
9	3	Cmr 1x	10mA	+0.000	+0.000	+0.2861	+0.2861	1.250	P
9	3	Cmr 1x	10mA	+15.000	+0.000	+0.1092	+0.1092	2.450	P
9	3	Cmr 1x	10mA	+30.000	+0.000	+0.0121	+0.0121	3.650	P
9	3	Cmr 1x	100mA	-30.000	+0.000	+4.6435	+4.6435	36.500	P
9	3	Cmr 1x	100mA	-15.000	+0.000	+3.3174	+3.3174	24.500	P
9	3	Cmr 1x	100mA	+0.000	+0.000	+2.5997	+2.5997	12.500	P
9	3	Cmr 1x	100mA	+15.000	+0.000	+1.3360	+1.3360	24.500	P
9	3	Cmr 1x	100mA	+30.000	+0.000	-0.2242	-0.2242	36.500	P
9	3	Cmr 1x	200mA	-10.000	+0.000	+5.1313	+5.1313	41.000	P
9	3	Cmr 1x	200mA	-5.000	+0.000	+4.0409	+4.0409	33.000	P
9	3	Cmr 1x	200mA	+0.000	+0.000	+2.5143	+2.5143	25.000	P
9	3	Cmr 1x	200mA	+5.000	+0.000	+0.8631	+0.8631	33.000	P
9	3	Cmr 1x	200mA	+10.000	+0.000	+0.3958	+0.3958	41.000	P
10	4	Cmr 1x	10uA	-30.000	+0.000	-0.0034	-0.0034	0.014	P
10	4	Cmr 1x	10uA	-15.000	+0.000	+0.0007	+0.0007	0.011	P
10	4	Cmr 1x	10uA	+0.000	+0.000	+0.0018	+0.0018	0.008	P
10	4	Cmr 1x	10uA	+15.000	+0.000	+0.0010	+0.0010	0.011	P
10	4	Cmr 1x	10uA	+30.000	+0.000	+0.0016	+0.0016	0.014	P
10	4	Cmr 1x	100uA	-30.000	+0.000	+0.0060	+0.0060	0.044	P
10	4	Cmr 1x	100uA	-15.000	+0.000	+0.0036	+0.0036	0.032	P
10	4	Cmr 1x	100uA	+0.000	+0.000	+0.0005	+0.0005	0.020	P
10	4	Cmr 1x	100uA	+15.000	+0.000	+0.0038	+0.0038	0.032	P
10	4	Cmr 1x	100uA	+30.000	+0.000	+0.0022	+0.0022	0.044	P
10	4	Cmr 1x	1mA	-30.000	+0.000	+0.0294	+0.0294	0.365	P
10	4	Cmr 1x	1mA	-15.000	+0.000	+0.0285	+0.0285	0.245	P
10	4	Cmr 1x	1mA	+0.000	+0.000	+0.0203	+0.0203	0.125	P

10	4	Cmr 1x	1mA	+15.000	+0.000	+0.0074	+0.0074	0.245	P
10	4	Cmr 1x	1mA	+30.000	+0.000	+0.0061	+0.0061	0.365	P
10	4	Cmr 1x	10mA	-30.000	+0.000	+0.2638	+0.2638	3.650	P
10	4	Cmr 1x	10mA	-15.000	+0.000	+0.2059	+0.2059	2.450	P
10	4	Cmr 1x	10mA	+0.000	+0.000	+0.2263	+0.2263	1.250	P
10	4	Cmr 1x	10mA	+15.000	+0.000	+0.0853	+0.0853	2.450	P
10	4	Cmr 1x	10mA	+30.000	+0.000	+0.0243	+0.0243	3.650	P
10	4	Cmr 1x	100mA	-30.000	+0.000	+2.3858	+2.3858	36.500	P
10	4	Cmr 1x	100mA	-15.000	+0.000	+2.1981	+2.1981	24.500	P
10	4	Cmr 1x	100mA	+0.000	+0.000	+1.4630	+1.4630	12.500	P
10	4	Cmr 1x	100mA	+15.000	+0.000	+0.8687	+0.8687	24.500	P
10	4	Cmr 1x	100mA	+30.000	+0.000	+0.3369	+0.3369	36.500	P
10	4	Cmr 1x	200mA	-10.000	+0.000	+1.7039	+1.7039	41.000	P
10	4	Cmr 1x	200mA	-5.000	+0.000	+0.6744	+0.6744	33.000	P
10	4	Cmr 1x	200mA	+0.000	+0.000	+0.2064	+0.2064	25.000	P
10	4	Cmr 1x	200mA	+5.000	+0.000	-0.6982	-0.6982	33.000	P
10	4	Cmr 1x	200mA	+10.000	+0.000	-1.9461	-1.9461	41.000	P
11	5	Cmr 1x	10uA	-30.000	+0.000	-0.0020	-0.0020	0.014	P
11	5	Cmr 1x	10uA	-15.000	+0.000	+0.0003	+0.0003	0.011	P
11	5	Cmr 1x	10uA	+0.000	+0.000	+0.0007	+0.0007	0.008	P
11	5	Cmr 1x	10uA	+15.000	+0.000	+0.0010	+0.0010	0.011	P
11	5	Cmr 1x	10uA	+30.000	+0.000	+0.0020	+0.0020	0.014	P
11	5	Cmr 1x	100uA	-30.000	+0.000	+0.0012	+0.0012	0.044	P
11	5	Cmr 1x	100uA	-15.000	+0.000	+0.0010	+0.0010	0.032	P
11	5	Cmr 1x	100uA	+0.000	+0.000	-0.0015	-0.0015	0.020	P
11	5	Cmr 1x	100uA	+15.000	+0.000	+0.0034	+0.0034	0.032	P
11	5	Cmr 1x	100uA	+30.000	+0.000	+0.0014	+0.0014	0.044	P
11	5	Cmr 1x	1mA	-30.000	+0.000	+0.0268	+0.0268	0.365	P
11	5	Cmr 1x	1mA	-15.000	+0.000	+0.0197	+0.0197	0.245	P
11	5	Cmr 1x	1mA	+0.000	+0.000	+0.0251	+0.0251	0.125	P
11	5	Cmr 1x	1mA	+15.000	+0.000	+0.0126	+0.0126	0.245	P
11	5	Cmr 1x	1mA	+30.000	+0.000	-0.0001	-0.0001	0.365	P
11	5	Cmr 1x	10mA	-30.000	+0.000	+0.3853	+0.3853	3.650	P
11	5	Cmr 1x	10mA	-15.000	+0.000	+0.3650	+0.3650	2.450	P
11	5	Cmr 1x	10mA	+0.000	+0.000	+0.1740	+0.1740	1.250	P
11	5	Cmr 1x	10mA	+15.000	+0.000	+0.1192	+0.1192	2.450	P
11	5	Cmr 1x	10mA	+30.000	+0.000	+0.0754	+0.0754	3.650	P
11	5	Cmr 1x	100mA	-30.000	+0.000	+3.0785	+3.0785	36.500	P
11	5	Cmr 1x	100mA	-15.000	+0.000	+2.4076	+2.4076	24.500	P
11	5	Cmr 1x	100mA	+0.000	+0.000	+2.0487	+2.0487	12.500	P
11	5	Cmr 1x	100mA	+15.000	+0.000	+1.1281	+1.1281	24.500	P
11	5	Cmr 1x	100mA	+30.000	+0.000	+0.3792	+0.3792	36.500	P
11	5	Cmr 1x	200mA	-10.000	+0.000	+2.2795	+2.2795	41.000	P
11	5	Cmr 1x	200mA	-5.000	+0.000	+0.4725	+0.4725	33.000	P

11	5	Cmr 1x 200mA	+0.000	+0.000	-0.9917	-0.9917	25.000	P
11	5	Cmr 1x 200mA	+5.000	+0.000	-1.3655	-1.3655	33.000	P
11	5	Cmr 1x 200mA	+10.000	+0.000	-2.8609	-2.8609	41.000	P

Current Common Mode 10X Section:

					Measure I 10x			
Pin	Chn	Desc	FV Diff(V)	Exp(uA)	MI Diff(uA)	Err(uA)	Limit(uA)	P/F
6	0	Cmr 10x 100uA	+60.000	+0.000	+0.0007	+0.0007	0.024	P
6	0	Cmr 10x 1mA	+60.000	+0.000	+0.0035	+0.0035	0.240	P
6	0	Cmr 10x 10mA	+60.000	+0.000	+0.0034	+0.0034	2.400	P
6	0	Cmr 10x 100mA	+60.000	+0.000	+0.0554	+0.0554	24.000	P
6	0	Cmr 10x 200mA	+20.000	+0.000	+0.0250	+0.0250	16.000	P
7	1	Cmr 10x 100uA	+60.000	+0.000	-0.0033	-0.0033	0.024	P
7	1	Cmr 10x 1mA	+60.000	+0.000	-0.0024	-0.0024	0.240	P
7	1	Cmr 10x 10mA	+60.000	+0.000	+0.0055	+0.0055	2.400	P
7	1	Cmr 10x 100mA	+60.000	+0.000	+0.0538	+0.0538	24.000	P
7	1	Cmr 10x 200mA	+20.000	+0.000	+0.0151	+0.0151	16.000	P
8	2	Cmr 10x 100uA	+60.000	+0.000	-0.0017	-0.0017	0.024	P
8	2	Cmr 10x 1mA	+60.000	+0.000	+0.0040	+0.0040	0.240	P
8	2	Cmr 10x 10mA	+60.000	+0.000	+0.0031	+0.0031	2.400	P
8	2	Cmr 10x 100mA	+60.000	+0.000	+0.0090	+0.0090	24.000	P
8	2	Cmr 10x 200mA	+20.000	+0.000	+0.0586	+0.0586	16.000	P
9	3	Cmr 10x 100uA	+60.000	+0.000	-0.0001	-0.0001	0.024	P
9	3	Cmr 10x 1mA	+60.000	+0.000	+0.0050	+0.0050	0.240	P
9	3	Cmr 10x 10mA	+60.000	+0.000	+0.0074	+0.0074	2.400	P
9	3	Cmr 10x 100mA	+60.000	+0.000	+0.0563	+0.0563	24.000	P
9	3	Cmr 10x 200mA	+20.000	+0.000	+0.1224	+0.1224	16.000	P
10	4	Cmr 10x 100uA	+60.000	+0.000	-0.0035	-0.0035	0.024	P
10	4	Cmr 10x 1mA	+60.000	+0.000	-0.0004	-0.0004	0.240	P
10	4	Cmr 10x 10mA	+60.000	+0.000	-0.0000	-0.0000	2.400	P
10	4	Cmr 10x 100mA	+60.000	+0.000	-0.0444	-0.0444	24.000	P
10	4	Cmr 10x 200mA	+20.000	+0.000	+0.0202	+0.0202	16.000	P
11	5	Cmr 10x 100uA	+60.000	+0.000	+0.0002	+0.0002	0.024	P
11	5	Cmr 10x 1mA	+60.000	+0.000	+0.0017	+0.0017	0.240	P
11	5	Cmr 10x 10mA	+60.000	+0.000	-0.0017	-0.0017	2.400	P
11	5	Cmr 10x 100mA	+60.000	+0.000	-0.0025	-0.0025	24.000	P
11	5	Cmr 10x 200mA	+20.000	+0.000	-0.0415	-0.0415	16.000	P

Current Force/Measure Section:

			Force I				Measure I			
Pin	Chn	Desc	Expect(mA)	DMM(mA)	Err(uA)	FI Lim(uA)	P/F	MI(mA)	Err(uA)	MI Lim(uA)	P/F

6 0 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 -0.000 0.013 P
6 0 Current 10uA -0.00500 -0.00500 +0.000 0.010 P -0.00500 -0.000 0.010 P
6 0 Current 10uA +0.00000 -0.00000 -0.000 0.008 P +0.00000 +0.000 0.008 P
6 0 Current 10uA +0.00500 +0.00500 +0.000 0.010 P +0.00500 -0.000 0.011 P
6 0 Current 10uA +0.01000 +0.01000 +0.000 0.013 P +0.01000 +0.000 0.013 P
6 0 Current 100uA -0.10000 -0.10000 +0.001 0.070 P -0.10000 +0.000 0.070 P
6 0 Current 100uA -0.05000 -0.05000 -0.000 0.045 P -0.05000 +0.001 0.045 P
6 0 Current 100uA +0.00000 +0.00000 +0.001 0.020 P +0.00000 +0.001 0.020 P
6 0 Current 100uA +0.05000 +0.05000 -0.002 0.045 P +0.05000 +0.001 0.045 P
6 0 Current 100uA +0.10000 +0.10000 -0.001 0.070 P +0.10000 -0.000 0.070 P
6 0 Current 1mA -1.00000 -1.00001 -0.012 0.625 P -1.00000 +0.017 0.625 P
6 0 Current 1mA -0.50000 -0.50002 -0.019 0.375 P -0.50000 +0.016 0.375 P
6 0 Current 1mA +0.00000 +0.00000 +0.003 0.125 P +0.00002 +0.017 0.125 P
6 0 Current 1mA +0.50000 +0.49999 -0.009 0.375 P +0.50000 +0.010 0.375 P
6 0 Current 1mA +1.00000 +1.00001 +0.010 0.625 P +1.00000 -0.006 0.625 P
6 0 Current 10mA -10.00000 -9.99997 +0.030 6.250 P -9.99981 +0.160 6.250 P
6 0 Current 10mA -5.00000 -4.99996 +0.044 3.750 P -4.99976 +0.198 3.750 P
6 0 Current 10mA +0.00000 +0.00002 +0.020 1.250 P +0.00019 +0.174 1.250 P
6 0 Current 10mA +5.00000 +4.99998 -0.025 3.750 P +5.00002 +0.046 3.750 P
6 0 Current 10mA +10.00000 +9.99995 -0.053 6.250 P +9.99987 -0.075 6.250 P
6 0 Current 100mA -100.00000 -99.99894 +1.060 62.500 P -99.99806 +0.880 62.499 P
6 0 Current 100mA -50.00000 -50.00175 -1.753 37.500 P -49.99979 +1.965 37.501 P

6 0 Current 100mA +0.00000 +0.00008 +0.077 12.500 P +0.00187 +1.791 12.500 P
6 0 Current 100mA +50.00000 +49.99906 -0.938 37.500 P +50.00027 +1.208 37.500 P
6 0 Current 100mA +100.00000 +99.99962 -0.378 62.500 P +99.99971 +0.092 62.500 P
6 0 Current 200mA -200.00000 -200.00739 -7.394 125.000 P -199.99864 +8.756 125.004 P
6 0 Current 200mA -100.00000 -100.00116 -1.156 75.000 P -99.99934 +1.820 75.001 P
6 0 Current 200mA +0.00000 -0.00394 -3.936 25.000 P +0.00140 +5.340 25.002 P
6 0 Current 200mA +100.00000 +99.99296 -7.036 75.000 P +100.00093 +7.967 74.996 P
6 0 Current 200mA +200.00000 +200.00286 +2.864 125.000 P +199.99884 -4.024 125.001 P
7 1 Current 10uA -0.01000 -0.01000 -0.000 0.013 P -0.01000 +0.000 0.013 P
7 1 Current 10uA -0.00500 -0.00500 +0.000 0.010 P -0.00500 +0.000 0.010 P
7 1 Current 10uA +0.00000 -0.00000 -0.000 0.008 P -0.00000 +0.000 0.008 P
7 1 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 +0.000 0.010 P
7 1 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 +0.000 0.013 P
7 1 Current 100uA -0.10000 -0.10000 -0.001 0.070 P -0.10000 +0.001 0.070 P
7 1 Current 100uA -0.05000 -0.05000 -0.002 0.045 P -0.05000 +0.000 0.045 P
7 1 Current 100uA +0.00000 +0.00000 +0.000 0.020 P +0.00000 +0.001 0.020 P
7 1 Current 100uA +0.05000 +0.05000 -0.002 0.045 P +0.05000 +0.001 0.045 P
7 1 Current 100uA +0.10000 +0.10000 -0.000 0.070 P +0.10000 +0.002 0.070 P
7 1 Current 1mA -1.00000 -0.99999 +0.008 0.625 P -0.99999 +0.004 0.625 P
7 1 Current 1mA -0.50000 -0.49999 +0.007 0.375 P -0.49999 +0.003 0.375 P
7 1 Current 1mA +0.00000 +0.00000 +0.002 0.125 P +0.00001 +0.006 0.125 P
7 1 Current 1mA +0.50000 +0.50002 +0.017 0.375 P +0.50003 +0.010 0.375 P

7 1 Current 1mA +1.00000 +1.00000 -0.002 0.625 P +1.00001 +0.010 0.625 P
7 1 Current 10mA -10.00000 -10.00005 -0.045 6.250 P -9.99987 +0.178 6.250 P
7 1 Current 10mA -5.00000 -5.00014 -0.139 3.750 P -5.00000 +0.135 3.750 P
7 1 Current 10mA +0.00000 -0.00003 -0.027 1.250 P +0.00012 +0.145 1.250 P
7 1 Current 10mA +5.00000 +5.00002 +0.022 3.750 P +5.00003 +0.004 3.750 P
7 1 Current 10mA +10.00000 +10.00009 +0.090 6.250 P +10.00014 +0.048 6.250 P
7 1 Current 100mA -100.00000 -99.99351 +6.488 62.500 P -100.00034 -6.830 62.497 P
7 1 Current 100mA -50.00000 -50.00443 -4.430 37.500 P -49.99847 +5.963 37.502 P
7 1 Current 100mA +0.00000 +0.00000 +0.000 12.500 P +0.00133 +1.327 12.500 P
7 1 Current 100mA +50.00000 +50.00685 +6.852 37.500 P +49.99909 -7.763 37.503 P
7 1 Current 100mA +100.00000 +99.98976 -10.243 62.500 P +99.99911 +9.348 62.495 P
7 1 Current 200mA -200.00000 -199.99682 +3.178 125.000 P -199.99623 +0.590 124.998 P
7 1 Current 200mA -100.00000 -100.00500 -5.001 75.000 P -99.99579 +9.215 75.003 P
7 1 Current 200mA +0.00000 -0.00270 -2.700 25.000 P -0.00065 +2.055 25.001 P
7 1 Current 200mA +100.00000 +100.00340 +3.399 75.000 P +99.99984 -3.559 75.002 P
7 1 Current 200mA +200.00000 +199.99073 -9.266 125.000 P +200.00326 +12.523 124.995 P
8 2 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 -0.000 0.013 P
8 2 Current 10uA -0.00500 -0.00500 -0.000 0.010 P -0.00500 +0.000 0.011 P
8 2 Current 10uA +0.00000 +0.00000 +0.000 0.008 P +0.00000 +0.000 0.008 P
8 2 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 +0.000 0.010 P
8 2 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 +0.000 0.013 P
8 2 Current 100uA -0.10000 -0.10000 +0.003 0.070 P -0.10000 +0.001 0.070 P

8 2 Current 100uA -0.05000 -0.05000 +0.002 0.045 P -0.05000 -0.000
0.045 P
8 2 Current 100uA +0.00000 +0.00000 +0.000 0.020 P +0.00000
+0.001 0.020 P
8 2 Current 100uA +0.05000 +0.05000 -0.002 0.045 P +0.05000 +0.001
0.045 P
8 2 Current 100uA +0.10000 +0.10000 -0.001 0.070 P +0.10000 +0.001
0.070 P
8 2 Current 1mA -1.00000 -1.00000 +0.002 0.625 P -1.00000 +0.001
0.625 P
8 2 Current 1mA -0.50000 -0.49998 +0.015 0.375 P -0.49998 +0.004
0.375 P
8 2 Current 1mA +0.00000 -0.00000 -0.001 0.125 P +0.00001 +0.013
0.125 P
8 2 Current 1mA +0.50000 +0.50001 +0.008 0.375 P +0.50002 +0.008
0.375 P
8 2 Current 1mA +1.00000 +1.00000 +0.002 0.625 P +1.00001 +0.009
0.625 P
8 2 Current 10mA -10.00000 -9.99984 +0.156 6.250 P -9.99966 +0.182
6.250 P
8 2 Current 10mA -5.00000 -5.00003 -0.034 3.750 P -4.99993 +0.107
3.750 P
8 2 Current 10mA +0.00000 -0.00002 -0.020 1.250 P +0.00013 +0.150
1.250 P
8 2 Current 10mA +5.00000 +4.99994 -0.059 3.750 P +4.99998 +0.038
3.750 P
8 2 Current 10mA +10.00000 +9.99982 -0.178 6.250 P +9.99986
+0.035 6.250 P
8 2 Current 100mA -100.00000 -99.99938 +0.621 62.500 P -99.99846
+0.917 62.500 P
8 2 Current 100mA -50.00000 -49.99929 +0.707 37.500 P -49.99888
+0.411 37.500 P
8 2 Current 100mA +0.00000 -0.00017 -0.174 12.500 P +0.00148
+1.658 12.500 P
8 2 Current 100mA +50.00000 +50.00078 +0.778 37.500 P +50.00234
+1.563 37.500 P
8 2 Current 100mA +100.00000 +99.99974 -0.256 62.500 P +99.99932
-0.427 62.500 P
8 2 Current 200mA -200.00000 -200.00419 -4.190 125.000 P -199.99732
+6.866 125.002 P
8 2 Current 200mA -100.00000 -100.00047 -0.471 75.000 P -99.99999
+0.486 75.000 P
8 2 Current 200mA +0.00000 +0.00146 +1.465 25.000 P +0.00664
+5.176 25.001 P

8 2 Current 200mA +100.00000 +99.99658 -3.422 75.000 P +100.00272 +6.145 74.998 P
8 2 Current 200mA +200.00000 +199.99824 -1.763 125.000 P +199.99640 -1.837 124.999 P
9 3 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 +0.000 0.013 P
9 3 Current 10uA -0.00500 -0.00500 -0.000 0.010 P -0.00500 +0.000 0.011 P
9 3 Current 10uA +0.00000 -0.00000 -0.000 0.008 P +0.00000 +0.000 0.008 P
9 3 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 +0.000 0.010 P
9 3 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 +0.000 0.013 P
9 3 Current 100uA -0.10000 -0.10000 +0.001 0.070 P -0.10000 +0.002 0.070 P
9 3 Current 100uA -0.05000 -0.05000 -0.000 0.045 P -0.05000 +0.001 0.045 P
9 3 Current 100uA +0.00000 -0.00000 -0.002 0.020 P -0.00000 +0.001 0.020 P
9 3 Current 100uA +0.05000 +0.05000 -0.001 0.045 P +0.05000 +0.001 0.045 P
9 3 Current 100uA +0.10000 +0.10000 +0.001 0.070 P +0.10000 -0.000 0.070 P
9 3 Current 1mA -1.00000 -0.99999 +0.010 0.625 P -0.99997 +0.017 0.625 P
9 3 Current 1mA -0.50000 -0.50000 -0.001 0.375 P -0.49999 +0.009 0.375 P
9 3 Current 1mA +0.00000 +0.00001 +0.010 0.125 P +0.00002 +0.009 0.125 P
9 3 Current 1mA +0.50000 +0.49999 -0.006 0.375 P +0.50001 +0.013 0.375 P
9 3 Current 1mA +1.00000 +1.00000 -0.001 0.625 P +1.00000 +0.005 0.625 P
9 3 Current 10mA -10.00000 -9.99994 +0.064 6.250 P -9.99979 +0.148 6.250 P
9 3 Current 10mA -5.00000 -5.00004 -0.045 3.750 P -4.99997 +0.078 3.750 P
9 3 Current 10mA +0.00000 +0.00010 +0.095 1.250 P +0.00019 +0.097 1.250 P
9 3 Current 10mA +5.00000 +4.99997 -0.033 3.750 P +4.99997 +0.007 3.750 P
9 3 Current 10mA +10.00000 +9.99974 -0.265 6.250 P +9.99977 +0.036 6.250 P

9 3 Current 100mA -100.00000 -100.00069 -0.694 62.500 P -99.99785 +2.844 62.500 P
9 3 Current 100mA -50.00000 -49.99932 +0.679 37.500 P -49.99790 +1.424 37.500 P
9 3 Current 100mA +0.00000 +0.00100 +0.999 12.500 P +0.00194 +0.945 12.500 P
9 3 Current 100mA +50.00000 +50.00029 +0.291 37.500 P +50.00128 +0.993 37.500 P
9 3 Current 100mA +100.00000 +100.00080 +0.802 62.500 P +100.00048 -0.320 62.500 P
9 3 Current 200mA -200.00000 -200.00002 -0.025 125.000 P -199.99479 +5.235 125.000 P
9 3 Current 200mA -100.00000 -100.00170 -1.704 75.000 P -99.99652 +5.180 75.001 P
9 3 Current 200mA +0.00000 -0.00046 -0.458 25.000 P +0.00198 +2.442 25.000 P
9 3 Current 200mA +100.00000 +99.99640 -3.605 75.000 P +99.99883 +2.439 74.998 P
9 3 Current 200mA +200.00000 +200.00080 +0.800 125.000 P +199.99817 -2.632 125.000 P
10 4 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 +0.000 0.013 P
10 4 Current 10uA -0.00500 -0.00500 -0.000 0.010 P -0.00500 +0.000 0.011 P
10 4 Current 10uA +0.00000 +0.00000 +0.000 0.008 P +0.00000 +0.000 0.008 P
10 4 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 +0.000 0.010 P
10 4 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 +0.000 0.013 P
10 4 Current 100uA -0.10000 -0.10000 +0.001 0.070 P -0.10000 +0.001 0.070 P
10 4 Current 100uA -0.05000 -0.05000 +0.001 0.045 P -0.05000 +0.002 0.045 P
10 4 Current 100uA +0.00000 +0.00000 +0.000 0.020 P +0.00000 +0.001 0.020 P
10 4 Current 100uA +0.05000 +0.05000 -0.001 0.045 P +0.05000 +0.000 0.045 P
10 4 Current 100uA +0.10000 +0.10000 +0.000 0.070 P +0.10000 -0.001 0.070 P
10 4 Current 1mA -1.00000 -1.00000 -0.003 0.625 P -1.00000 +0.004 0.625 P
10 4 Current 1mA -0.50000 -0.50000 -0.000 0.375 P -0.49999 +0.013 0.375 P

10 4 Current 1mA +0.00000 +0.00000 +0.002 0.125 P +0.00001 +0.013 0.125 P
10 4 Current 1mA +0.50000 +0.50000 -0.005 0.375 P +0.50001 +0.013 0.375 P
10 4 Current 1mA +1.00000 +0.99998 -0.017 0.625 P +1.00000 +0.012 0.625 P
10 4 Current 10mA -10.00000 -10.00000 +0.003 6.250 P -9.99984 +0.161 6.250 P
10 4 Current 10mA -5.00000 -4.99992 +0.076 3.750 P -4.99980 +0.123 3.750 P
10 4 Current 10mA +0.00000 +0.00001 +0.013 1.250 P +0.00012 +0.105 1.250 P
10 4 Current 10mA +5.00000 +4.99984 -0.163 3.750 P +4.99987 +0.033 3.750 P
10 4 Current 10mA +10.00000 +10.00001 +0.010 6.250 P +9.99992 -0.088 6.250 P
10 4 Current 100mA -100.00000 -99.99817 +1.831 62.500 P -99.99714 +1.025 62.499 P
10 4 Current 100mA -50.00000 -49.99914 +0.862 37.500 P -49.99812 +1.015 37.500 P
10 4 Current 100mA +0.00000 +0.00021 +0.214 12.500 P +0.00134 +1.124 12.500 P
10 4 Current 100mA +50.00000 +50.00146 +1.465 37.500 P +50.00104 -0.427 37.501 P
10 4 Current 100mA +100.00000 +99.99836 -1.638 62.500 P +99.99760 -0.766 62.499 P
10 4 Current 200mA -200.00000 -200.00428 -4.280 125.000 P -199.99730 +6.982 125.002 P
10 4 Current 200mA -100.00000 -99.99726 +2.737 75.000 P -99.99630 +0.963 74.999 P
10 4 Current 200mA +0.00000 +0.00224 +2.243 25.000 P +0.00529 +3.049 25.001 P
10 4 Current 200mA +100.00000 +99.99992 -0.080 75.000 P +100.00324 +3.316 75.000 P
10 4 Current 200mA +200.00000 +200.00131 +1.307 125.000 P +199.99840 -2.902 125.001 P
11 5 Current 10uA -0.01000 -0.01000 -0.000 0.013 P -0.01000 +0.000 0.013 P
11 5 Current 10uA -0.00500 -0.00500 +0.000 0.010 P -0.00500 +0.000 0.010 P
11 5 Current 10uA +0.00000 -0.00000 -0.000 0.008 P +0.00000 +0.000 0.008 P
11 5 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 +0.000 0.010 P

11 5 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 +0.000 0.013 P
11 5 Current 100uA -0.10000 -0.10000 +0.000 0.070 P -0.10000 +0.002 0.070 P
11 5 Current 100uA -0.05000 -0.05000 +0.001 0.045 P -0.05000 +0.001 0.045 P
11 5 Current 100uA +0.00000 -0.00000 -0.001 0.020 P +0.00000 +0.001 0.020 P
11 5 Current 100uA +0.05000 +0.05000 -0.001 0.045 P +0.05000 +0.001 0.045 P
11 5 Current 100uA +0.10000 +0.10000 -0.001 0.070 P +0.10000 +0.000 0.070 P
11 5 Current 1mA -1.00000 -1.00000 -0.002 0.625 P -1.00000 +0.003 0.625 P
11 5 Current 1mA -0.50000 -0.49999 +0.010 0.375 P -0.49999 +0.004 0.375 P
11 5 Current 1mA +0.00000 +0.00002 +0.016 0.125 P +0.00004 +0.021 0.125 P
11 5 Current 1mA +0.50000 +0.49999 -0.005 0.375 P +0.50000 +0.005 0.375 P
11 5 Current 1mA +1.00000 +1.00000 -0.004 0.625 P +0.99999 -0.005 0.625 P
11 5 Current 10mA -10.00000 -9.99998 +0.015 6.250 P -9.99995 +0.033 6.250 P
11 5 Current 10mA -5.00000 -4.99991 +0.090 3.750 P -4.99977 +0.143 3.750 P
11 5 Current 10mA +0.00000 +0.00017 +0.172 1.250 P +0.00039 +0.222 1.250 P
11 5 Current 10mA +5.00000 +4.99988 -0.120 3.750 P +4.99990 +0.019 3.750 P
11 5 Current 10mA +10.00000 +9.99987 -0.131 6.250 P +9.99978 -0.088 6.250 P
11 5 Current 100mA -100.00000 -100.00314 -3.138 62.500 P -99.99927 +3.866 62.502 P
11 5 Current 100mA -50.00000 -49.99704 +2.961 37.500 P -49.99807 -1.028 37.499 P
11 5 Current 100mA +0.00000 +0.00166 +1.662 12.500 P +0.00362 +1.962 12.501 P
11 5 Current 100mA +50.00000 +49.99797 -2.033 37.500 P +50.00181 +3.843 37.499 P
11 5 Current 100mA +100.00000 +100.00322 +3.216 62.500 P +99.99876 -4.451 62.502 P
11 5 Current 200mA -200.00000 -199.99783 +2.173 125.000 P -199.99521 +2.615 124.999 P

11	5	Current 200mA	-100.00000	-99.99356	+6.439	75.000	P	-99.99594
-2.380	74.997	P						
11	5	Current 200mA	+0.00000	+0.00055	+0.549	25.000	P	+0.00225
+1.699	25.000	P						
11	5	Current 200mA	+100.00000	+99.99686	-3.143	75.000	P	+100.00185
+4.989	74.998	P						
11	5	Current 200mA	+200.00000	+200.00492	+4.920	125.000	P	+199.99896
-5.961	125.002	P						

Current Measure 10X Section:

|---------- Measure I 10X ----------|

Pin	Chn	Desc	Expect(mA)	DMM(mA)	MI(mA)	Err(uA)	MI Lim(uA)	P/F
6	0	Curr10X 100uA	-0.01000	-0.01000	-0.01000	-0.000	0.017	P
6	0	Curr10X 100uA	-0.00500	-0.00500	-0.00500	-0.000	0.015	P
6	0	Curr10X 100uA	+0.00000	+0.00000	+0.00000	-0.000	0.012	P
6	0	Curr10X 100uA	+0.00500	+0.00500	+0.00500	-0.000	0.015	P
6	0	Curr10X 100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
6	0	Curr10X 1mA	-0.10000	-0.10000	-0.10000	-0.000	0.110	P
6	0	Curr10X 1mA	-0.05000	-0.05001	-0.05001	-0.002	0.085	P
6	0	Curr10X 1mA	+0.00000	+0.00000	+0.00000	-0.000	0.060	P
6	0	Curr10X 1mA	+0.05000	+0.04999	+0.04999	-0.004	0.085	P
6	0	Curr10X 1mA	+0.10000	+0.10001	+0.10001	-0.005	0.110	P
6	0	Curr10X 10mA	-1.00000	-1.00013	-1.00013	+0.002	1.100	P
6	0	Curr10X 10mA	-0.50000	-0.49985	-0.49985	-0.002	0.850	P
6	0	Curr10X 10mA	+0.00000	+0.00002	+0.00001	-0.006	0.600	P
6	0	Curr10X 10mA	+0.50000	+0.49997	+0.49991	-0.055	0.850	P
6	0	Curr10X 10mA	+1.00000	+0.99992	+0.99986	-0.065	1.100	P
6	0	Curr10X 100mA	-10.00000	-9.99993	-9.99975	+0.176	11.000	P
6	0	Curr10X 100mA	-5.00000	-5.00083	-5.00085	-0.023	8.500	P
6	0	Curr10X 100mA	+0.00000	+0.00017	-0.00015	-0.326	6.000	P
6	0	Curr10X 100mA	+5.00000	+4.99869	+4.99842	-0.262	8.499	P
6	0	Curr10X 100mA	+10.00000	+10.00088	+10.00034	-0.537	11.000	P
6	0	Curr10X 200mA	-20.00000	-19.99350	-19.99393	-0.428	21.997	P
6	0	Curr10X 200mA	-10.00000	-9.99290	-9.99291	-0.003	16.996	P
6	0	Curr10X 200mA	+0.00000	+0.00019	-0.00026	-0.443	12.000	P
6	0	Curr10X 200mA	+10.00000	+10.00075	+10.00004	-0.709	17.000	P
6	0	Curr10X 200mA	+20.00000	+20.00194	+20.00126	-0.680	22.001	P
7	1	Curr10X 100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
7	1	Curr10X 100uA	-0.00500	-0.00500	-0.00500	+0.000	0.014	P
7	1	Curr10X 100uA	+0.00000	+0.00000	+0.00000	-0.000	0.012	P
7	1	Curr10X 100uA	+0.00500	+0.00500	+0.00500	-0.000	0.015	P
7	1	Curr10X 100uA	+0.01000	+0.01000	+0.01000	+0.000	0.017	P
7	1	Curr10X 1mA	-0.10000	-0.10001	-0.10001	+0.001	0.110	P

7	1	Curr10X	1mA	-0.05000	-0.04998	-0.04999	-0.001	0.085	P
7	1	Curr10X	1mA	+0.00000	+0.00000	-0.00000	-0.002	0.060	P
7	1	Curr10X	1mA	+0.05000	+0.05002	+0.05002	-0.004	0.085	P
7	1	Curr10X	1mA	+0.10000	+0.10001	+0.10000	-0.006	0.110	P
7	1	Curr10X	10mA	-1.00000	-0.99985	-0.99984	+0.010	1.100	P
7	1	Curr10X	10mA	-0.50000	-0.50008	-0.50007	+0.004	0.850	P
7	1	Curr10X	10mA	+0.00000	+0.00002	-0.00002	-0.038	0.600	P
7	1	Curr10X	10mA	+0.50000	+0.50008	+0.50005	-0.026	0.850	P
7	1	Curr10X	10mA	+1.00000	+1.00016	+1.00015	-0.011	1.100	P
7	1	Curr10X	100mA	-10.00000	-10.00177	-10.00131	+0.463	11.001	P
7	1	Curr10X	100mA	-5.00000	-5.00229	-5.00225	+0.041	8.501	P
7	1	Curr10X	100mA	+0.00000	+0.00014	-0.00010	-0.240	6.000	P
7	1	Curr10X	100mA	+5.00000	+5.00231	+5.00205	-0.261	8.501	P
7	1	Curr10X	100mA	+10.00000	+10.00475	+10.00416	-0.586	11.002	P
7	1	Curr10X	200mA	-20.00000	-19.99692	-19.99786	-0.943	21.998	P
7	1	Curr10X	200mA	-10.00000	-9.99842	-9.99904	-0.620	16.999	P
7	1	Curr10X	200mA	+0.00000	+0.00047	-0.00045	-0.927	12.000	P
7	1	Curr10X	200mA	+10.00000	+10.00400	+10.00357	-0.427	17.002	P
7	1	Curr10X	200mA	+20.00000	+20.00305	+20.00176	-1.293	22.002	P
8	2	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
8	2	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.015	P
8	2	Curr10X	100uA	+0.00000	+0.00000	+0.00000	+0.000	0.012	P
8	2	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.014	P
8	2	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
8	2	Curr10X	1mA	-0.10000	-0.09999	-0.09999	-0.002	0.110	P
8	2	Curr10X	1mA	-0.05000	-0.04998	-0.04998	-0.001	0.085	P
8	2	Curr10X	1mA	+0.00000	+0.00000	+0.00000	+0.001	0.060	P
8	2	Curr10X	1mA	+0.05000	+0.05001	+0.05001	-0.003	0.085	P
8	2	Curr10X	1mA	+0.10000	+0.10002	+0.10002	-0.002	0.110	P
8	2	Curr10X	10mA	-1.00000	-0.99992	-0.99992	+0.002	1.100	P
8	2	Curr10X	10mA	-0.50000	-0.49977	-0.49979	-0.014	0.850	P
8	2	Curr10X	10mA	+0.00000	+0.00002	-0.00002	-0.037	0.600	P
8	2	Curr10X	10mA	+0.50000	+0.50010	+0.50009	-0.007	0.850	P
8	2	Curr10X	10mA	+1.00000	+0.99992	+0.99987	-0.059	1.100	P
8	2	Curr10X	100mA	-10.00000	-9.99812	-9.99818	-0.064	10.999	P
8	2	Curr10X	100mA	-5.00000	-4.99893	-4.99884	+0.097	8.499	P
8	2	Curr10X	100mA	+0.00000	+0.00001	+0.00016	+0.157	6.000	P
8	2	Curr10X	100mA	+5.00000	+4.99893	+4.99873	-0.194	8.499	P
8	2	Curr10X	100mA	+10.00000	+10.00108	+10.00063	-0.442	11.001	P
8	2	Curr10X	200mA	-20.00000	-19.99685	-19.99713	-0.271	21.998	P
8	2	Curr10X	200mA	-10.00000	-9.99851	-9.99833	+0.179	16.999	P
8	2	Curr10X	200mA	+0.00000	+0.00560	+0.00570	+0.104	12.003	P
8	2	Curr10X	200mA	+10.00000	+10.00433	+10.00355	-0.777	17.002	P
8	2	Curr10X	200mA	+20.00000	+20.00277	+20.00132	-1.458	22.001	P

9	3	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
9	3	Curr10X	100uA	-0.00500	-0.00500	-0.00500	-0.000	0.015	P
9	3	Curr10X	100uA	+0.00000	-0.00000	-0.00000	+0.000	0.012	P
9	3	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.014	P
9	3	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
9	3	Curr10X	1mA	-0.10000	-0.10000	-0.10000	+0.003	0.110	P
9	3	Curr10X	1mA	-0.05000	-0.04999	-0.04999	+0.002	0.085	P
9	3	Curr10X	1mA	+0.00000	+0.00001	+0.00001	-0.000	0.060	P
9	3	Curr10X	1mA	+0.05000	+0.04999	+0.04999	-0.002	0.085	P
9	3	Curr10X	1mA	+0.10000	+0.10000	+0.09999	-0.000	0.110	P
9	3	Curr10X	10mA	-1.00000	-0.99997	-0.99997	-0.007	1.100	P
9	3	Curr10X	10mA	-0.50000	-0.50003	-0.50004	-0.004	0.850	P
9	3	Curr10X	10mA	+0.00000	+0.00013	+0.00011	-0.023	0.600	P
9	3	Curr10X	10mA	+0.50000	+0.50000	+0.49999	-0.017	0.850	P
9	3	Curr10X	10mA	+1.00000	+0.99991	+0.99989	-0.021	1.100	P
9	3	Curr10X	100mA	-10.00000	-9.99906	-9.99875	+0.306	11.000	P
9	3	Curr10X	100mA	-5.00000	-4.99882	-4.99880	+0.013	8.499	P
9	3	Curr10X	100mA	+0.00000	+0.00107	+0.00076	-0.310	6.001	P
9	3	Curr10X	100mA	+5.00000	+5.00106	+5.00057	-0.491	8.501	P
9	3	Curr10X	100mA	+10.00000	+10.00129	+10.00103	-0.257	11.001	P
9	3	Curr10X	200mA	-20.00000	-19.99836	-19.99825	+0.119	21.999	P
9	3	Curr10X	200mA	-10.00000	-9.99416	-9.99492	-0.761	16.997	P
9	3	Curr10X	200mA	+0.00000	+0.00223	+0.00189	-0.337	12.001	P
9	3	Curr10X	200mA	+10.00000	+10.00473	+10.00466	-0.070	17.002	P
9	3	Curr10X	200mA	+20.00000	+20.00219	+20.00158	-0.612	22.001	P
10	4	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
10	4	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.014	P
10	4	Curr10X	100uA	+0.00000	+0.00000	+0.00000	-0.000	0.012	P
10	4	Curr10X	100uA	+0.00500	+0.00500	+0.00500	+0.000	0.015	P
10	4	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
10	4	Curr10X	1mA	-0.10000	-0.10001	-0.10001	+0.001	0.110	P
10	4	Curr10X	1mA	-0.05000	-0.04999	-0.04999	-0.001	0.085	P
10	4	Curr10X	1mA	+0.00000	+0.00000	+0.00000	-0.003	0.060	P
10	4	Curr10X	1mA	+0.05000	+0.04999	+0.04999	-0.003	0.085	P
10	4	Curr10X	1mA	+0.10000	+0.10001	+0.10001	-0.003	0.110	P
10	4	Curr10X	10mA	-1.00000	-1.00008	-1.00010	-0.016	1.100	P
10	4	Curr10X	10mA	-0.50000	-0.50004	-0.50007	-0.026	0.850	P
10	4	Curr10X	10mA	+0.00000	+0.00004	+0.00002	-0.016	0.600	P
10	4	Curr10X	10mA	+0.50000	+0.50008	+0.50005	-0.022	0.850	P
10	4	Curr10X	10mA	+1.00000	+1.00012	+1.00012	+0.001	1.100	P
10	4	Curr10X	100mA	-10.00000	-10.00013	-10.00000	+0.130	11.000	P
10	4	Curr10X	100mA	-5.00000	-4.99847	-4.99859	-0.125	8.499	P
10	4	Curr10X	100mA	+0.00000	+0.00045	+0.00021	-0.241	6.000	P
10	4	Curr10X	100mA	+5.00000	+5.00194	+5.00181	-0.130	8.501	P

10	4	Curr10X	100mA	+10.00000	+10.00045	+9.99995	-0.496	11.000 P
10	4	Curr10X	200mA	-20.00000	-19.99388	-19.99343	+0.447	21.997 P
10	4	Curr10X	200mA	-10.00000	-9.99375	-9.99358	+0.169	16.997 P
10	4	Curr10X	200mA	+0.00000	+0.00675	+0.00671	-0.041	12.003 P
10	4	Curr10X	200mA	+10.00000	+10.00050	+10.00013	-0.376	17.000 P
10	4	Curr10X	200mA	+20.00000	+19.99986	+19.99927	-0.593	22.000 P
11	5	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017 P
11	5	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.015 P
11	5	Curr10X	100uA	+0.00000	-0.00000	-0.00000	+0.000	0.012 P
11	5	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.014 P
11	5	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017 P
11	5	Curr10X	1mA	-0.10000	-0.09999	-0.09999	+0.003	0.110 P
11	5	Curr10X	1mA	-0.05000	-0.04998	-0.04998	+0.001	0.085 P
11	5	Curr10X	1mA	+0.00000	+0.00002	+0.00002	-0.003	0.060 P
11	5	Curr10X	1mA	+0.05000	+0.05002	+0.05002	-0.006	0.085 P
11	5	Curr10X	1mA	+0.10000	+0.10000	+0.09999	-0.003	0.110 P
11	5	Curr10X	10mA	-1.00000	-0.99999	-1.00001	-0.018	1.100 P
11	5	Curr10X	10mA	-0.50000	-0.50004	-0.50004	+0.003	0.850 P
11	5	Curr10X	10mA	+0.00000	+0.00018	+0.00019	+0.010	0.600 P
11	5	Curr10X	10mA	+0.50000	+0.50011	+0.50010	-0.016	0.850 P
11	5	Curr10X	10mA	+1.00000	+1.00006	+1.00002	-0.040	1.100 P
11	5	Curr10X	100mA	-10.00000	-9.99697	-9.99687	+0.102	10.998 P
11	5	Curr10X	100mA	-5.00000	-4.99907	-4.99893	+0.132	8.500 P
11	5	Curr10X	100mA	+0.00000	+0.00157	+0.00143	-0.139	6.001 P
11	5	Curr10X	100mA	+5.00000	+4.99931	+4.99893	-0.380	8.500 P
11	5	Curr10X	100mA	+10.00000	+10.00054	+10.00011	-0.425	11.000 P
11	5	Curr10X	200mA	-20.00000	-19.99116	-19.99135	-0.194	21.996 P
11	5	Curr10X	200mA	-10.00000	-9.99410	-9.99346	+0.639	16.997 P
11	5	Curr10X	200mA	+0.00000	+0.00340	+0.00325	-0.149	12.002 P
11	5	Curr10X	200mA	+10.00000	+10.00615	+10.00545	-0.704	17.003 P
11	5	Curr10X	200mA	+20.00000	+20.00385	+20.00256	-1.287	22.002 P

Last Calibration Date: 10/26/22 12:39.01
(10/26/22 12:43.27 - CAL REV:2015) CHK STATUS: PASS

Cal APU12 12: SN REV 41
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+27.74 +27.89 +0.15 5.00 P

Voltage Force/Measure Section:

				Force V					Measure V			
Pin	Chn	Desc	Expect(V)	DMM(V)	Err(mV)	FV Lim(mV)	P/F	MV (V)	Err(mV)	MV Lim(mV)	P/F
12	0	Voltage 3.6V	-3.60000	-3.59996	+0.044	1.350	P	-3.59989	+0.065	1.350	P
12	0	Voltage 3.6V	-1.80000	-1.79989	+0.113	0.900	P	-1.79986	+0.026	0.900	P
12	0	Voltage 3.6V	+0.00000	+0.00001	+0.008	0.450	P	-0.00001	-0.018	0.450	P
12	0	Voltage 3.6V	+1.80000	+1.79987	-0.133	0.900	P	+1.79989	+0.027	0.900	P
12	0	Voltage 3.6V	+3.60000	+3.59990	-0.098	1.350	P	+3.59988	-0.024	1.350	P
12	0	Voltage 10 V	-10.00000	-9.99984	+0.162	3.800	P	-9.99980	+0.038	3.800	P
12	0	Voltage 10 V	-5.00000	-4.99986	+0.135	2.550	P	-4.99981	+0.050	2.550	P
12	0	Voltage 10 V	+0.00000	-0.00001	-0.009	1.300	P	-0.00001	-0.000	1.300	P
12	0	Voltage 10 V	+5.00000	+4.99990	-0.100	2.550	P	+4.99988	-0.025	2.550	P
12	0	Voltage 10 V	+10.00000	+9.99991	-0.092	3.800	P	+9.99985	-0.062	3.800	P
12	0	Voltage 30 V	-30.00000	-29.99958	+0.423	11.500	P	-29.99955	+0.030	11.500	P
12	0	Voltage 30 V	-15.00000	-14.99987	+0.132	7.750	P	-14.99983	+0.036	7.750	P
12	0	Voltage 30 V	+0.00000	+0.00027	+0.274	4.000	P	+0.00018	-0.095	4.000	P
12	0	Voltage 30 V	+15.00000	+14.99968	-0.323	7.750	P	+14.99971	+0.036	7.750	P
12	0	Voltage 30 V	+30.00000	+29.99965	-0.351	11.500	P	+29.99951	-0.138	11.500	P
13	1	Voltage 3.6V	-3.60000	-3.59988	+0.119	1.350	P	-3.59984	+0.040	1.350	P
13	1	Voltage 3.6V	-1.80000	-1.80001	-0.011	0.900	P	-1.79991	+0.102	0.900	P
13	1	Voltage 3.6V	+0.00000	+0.00009	+0.091	0.450	P	+0.00008	-0.008	0.450	P

13	1	Voltage	3.6V	+1.80000	+1.79989	-0.106	0.900	P	+1.79992	+0.022	0.900 P
13	1	Voltage	3.6V	+3.60000	+3.59991	-0.090	1.350	P	+3.59986	-0.045	1.350 P
13	1	Voltage	10 V	-10.00000	-9.99987	+0.129	3.800	P	-9.99986	+0.014	3.800 P
13	1	Voltage	10 V	-5.00000	-4.99988	+0.125	2.550	P	-4.99980	+0.074	2.550 P
13	1	Voltage	10 V	+0.00000	+0.00022	+0.222	1.300	P	+0.00017	-0.055	1.300 P
13	1	Voltage	10 V	+5.00000	+5.00008	+0.077	2.550	P	+5.00004	-0.034	2.550 P
13	1	Voltage	10 V	+10.00000	+9.99987	-0.133	3.800	P	+9.99982	-0.048	3.800 P
13	1	Voltage	30 V	-30.00000	-29.99998	+0.019	11.500	P	-29.99998	-0.002	11.500 P
13	1	Voltage	30 V	-15.00000	-14.99940	+0.603	7.750	P	-14.99932	+0.073	7.750 P
13	1	Voltage	30 V	+0.00000	-0.00003	-0.035	4.000	P	-0.00005	-0.017	4.000 P
13	1	Voltage	30 V	+15.00000	+14.99935	-0.646	7.750	P	+14.99944	+0.087	7.750 P
13	1	Voltage	30 V	+30.00000	+29.99950	-0.500	11.500	P	+29.99936	-0.141	11.500 P
14	2	Voltage	3.6V	-3.60000	-3.59997	+0.030	1.350	P	-3.59991	+0.060	1.350 P
14	2	Voltage	3.6V	-1.80000	-1.80002	-0.022	0.900	P	-1.79992	+0.100	0.900 P
14	2	Voltage	3.6V	+0.00000	-0.00003	-0.026	0.450	P	-0.00003	-0.006	0.450 P
14	2	Voltage	3.6V	+1.80000	+1.79993	-0.068	0.900	P	+1.79997	+0.040	0.900 P
14	2	Voltage	3.6V	+3.60000	+3.59991	-0.092	1.350	P	+3.59990	-0.007	1.350 P
14	2	Voltage	10 V	-10.00000	-9.99980	+0.196	3.800	P	-9.99974	+0.060	3.800 P
14	2	Voltage	10 V	-5.00000	-4.99996	+0.037	2.550	P	-4.99989	+0.074	2.550 P
14	2	Voltage	10 V	+0.00000	+0.00011	+0.112	1.300	P	+0.00008	-0.035	1.300 P
14	2	Voltage	10 V	+5.00000	+4.99999	-0.010	2.550	P	+4.99993	-0.063	2.550 P
14	2	Voltage	10 V	+10.00000	+9.99987	-0.129	3.800	P	+9.99976	-0.111	3.800 P

14	2	Voltage	30 V	-30.00000	-30.00003	-0.026	11.500	P	-29.99996	+0.070	11.500 P
14	2	Voltage	30 V	-15.00000	-14.99974	+0.259	7.750	P	-14.99960	+0.140	7.750 P
14	2	Voltage	30 V	+0.00000	+0.00016	+0.161	4.000	P	+0.00003	-0.126	4.000 P
14	2	Voltage	30 V	+15.00000	+15.00045	+0.455	7.750	P	+15.00042	-0.038	7.750 P
14	2	Voltage	30 V	+30.00000	+29.99936	-0.645	11.500	P	+29.99922	-0.132	11.500 P
15	3	Voltage	3.6V	-3.60000	-3.59987	+0.133	1.350	P	-3.59984	+0.028	1.350 P
15	3	Voltage	3.6V	-1.80000	-1.80006	-0.057	0.900	P	-1.79996	+0.092	0.900 P
15	3	Voltage	3.6V	+0.00000	+0.00004	+0.042	0.450	P	+0.00003	-0.015	0.450 P
15	3	Voltage	3.6V	+1.80000	+1.80000	-0.000	0.900	P	+1.79999	-0.008	0.900 P
15	3	Voltage	3.6V	+3.60000	+3.59996	-0.039	1.350	P	+3.59991	-0.052	1.350 P
15	3	Voltage	10 V	-10.00000	-9.99973	+0.266	3.800	P	-9.99973	+0.008	3.800 P
15	3	Voltage	10 V	-5.00000	-4.99986	+0.143	2.550	P	-4.99980	+0.062	2.550 P
15	3	Voltage	10 V	+0.00000	+0.00016	+0.163	1.300	P	+0.00012	-0.040	1.300 P
15	3	Voltage	10 V	+5.00000	+5.00000	+0.005	2.550	P	+4.99994	-0.060	2.550 P
15	3	Voltage	10 V	+10.00000	+10.00001	+0.014	3.800	P	+9.99994	-0.076	3.800 P
15	3	Voltage	30 V	-30.00000	-29.99967	+0.327	11.500	P	-29.99961	+0.061	11.500 P
15	3	Voltage	30 V	-15.00000	-14.99936	+0.644	7.750	P	-14.99937	-0.014	7.750 P
15	3	Voltage	30 V	+0.00000	-0.00030	-0.302	4.000	P	-0.00027	+0.032	4.000 P
15	3	Voltage	30 V	+15.00000	+15.00017	+0.169	7.750	P	+15.00009	-0.077	7.750 P
15	3	Voltage	30 V	+30.00000	+29.99922	-0.785	11.500	P	+29.99901	-0.204	11.500 P
16	4	Voltage	3.6V	-3.60000	-3.59993	+0.070	1.350	P	-3.59992	+0.006	1.350 P
16	4	Voltage	3.6V	-1.80000	-1.80011	-0.111	0.900	P	-1.80001	+0.102	0.900 P

16 4 Voltage 3.6V +0.00000 -0.00002 -0.020 0.450 P +0.00000 +0.022 0.450 P
16 4 Voltage 3.6V +1.80000 +1.79996 -0.044 0.900 P +1.79999 +0.038 0.900 P
16 4 Voltage 3.6V +3.60000 +3.59984 -0.163 1.350 P +3.59984 +0.003 1.350 P
16 4 Voltage 10 V -10.00000 -9.99993 +0.070 3.800 P -9.99989 +0.036 3.800 P
16 4 Voltage 10 V -5.00000 -4.99980 +0.198 2.550 P -4.99974 +0.059 2.550 P
16 4 Voltage 10 V +0.00000 +0.00003 +0.028 1.300 P -0.00001 -0.036 1.300 P
16 4 Voltage 10 V +5.00000 +4.99993 -0.067 2.550 P +4.99985 -0.087 2.550 P
16 4 Voltage 10 V +10.00000 +9.99984 -0.163 3.800 P +9.99976 -0.074 3.800 P
16 4 Voltage 30 V -30.00000 -29.99919 +0.812 11.500 P -29.99909 +0.102 11.500 P
16 4 Voltage 30 V -15.00000 -14.99926 +0.744 7.750 P -14.99915 +0.104 7.750 P
16 4 Voltage 30 V +0.00000 +0.00026 +0.259 4.000 P +0.00021 -0.053 4.000 P
16 4 Voltage 30 V +15.00000 +15.00012 +0.120 7.750 P +15.00020 +0.082 7.750 P
16 4 Voltage 30 V +30.00000 +29.99955 -0.455 11.500 P +29.99948 -0.068 11.500 P
17 5 Voltage 3.6V -3.60000 -3.59995 +0.048 1.350 P -3.59995 +0.007 1.350 P
17 5 Voltage 3.6V -1.80000 -1.80003 -0.033 0.900 P -1.79988 +0.155 0.900 P
17 5 Voltage 3.6V +0.00000 -0.00003 -0.032 0.450 P -0.00000 +0.028 0.450 P
17 5 Voltage 3.6V +1.80000 +1.79995 -0.049 0.900 P +1.79998 +0.027 0.900 P
17 5 Voltage 3.6V +3.60000 +3.59996 -0.042 1.350 P +3.59996 +0.002 1.350 P
17 5 Voltage 10 V -10.00000 -9.99981 +0.193 3.800 P -9.99979 +0.017 3.800 P
17 5 Voltage 10 V -5.00000 -5.00010 -0.105 2.550 P -4.99996 +0.140 2.550 P
17 5 Voltage 10 V +0.00000 -0.00003 -0.035 1.300 P -0.00009 -0.053 1.300 P
17 5 Voltage 10 V +5.00000 +5.00009 +0.090 2.550 P +4.99998 -0.112 2.550 P

17	5	Voltage 10 V	+10.00000	+9.99986	-0.143	3.800	P	+9.99981	-0.046	3.800	P
17	5	Voltage 30 V	-30.00000	-29.99961	+0.390	11.500	P	-29.99964	-0.032	11.500	P
17	5	Voltage 30 V	-15.00000	-14.99957	+0.434	7.750	P	-14.99944	+0.127	7.750	P
17	5	Voltage 30 V	+0.00000	-0.00003	-0.027	4.000	P	-0.00016	-0.133	4.000	P
17	5	Voltage 30 V	+15.00000	+14.99972	-0.277	7.750	P	+14.99965	-0.072	7.750	P
17	5	Voltage 30 V	+30.00000	+29.99922	-0.783	11.500	P	+29.99902	-0.193	11.500	P

Current Common Mode 1X Section:

				Measure I 1x			
Pin	Chn	Desc	Force(V)	Exp(uA)	MI (uA)	Err(uA)	Limit(uA)	P/F
12	0	Cmr 1x 10uA	-30.000	+0.000	-0.0024	-0.0024	0.014	P
12	0	Cmr 1x 10uA	-15.000	+0.000	+0.0002	+0.0002	0.011	P
12	0	Cmr 1x 10uA	+0.000	+0.000	+0.0005	+0.0005	0.008	P
12	0	Cmr 1x 10uA	+15.000	+0.000	+0.0008	+0.0008	0.011	P
12	0	Cmr 1x 10uA	+30.000	+0.000	+0.0008	+0.0008	0.014	P
12	0	Cmr 1x 100uA	-30.000	+0.000	-0.0028	-0.0028	0.044	P
12	0	Cmr 1x 100uA	-15.000	+0.000	-0.0003	-0.0003	0.032	P
12	0	Cmr 1x 100uA	+0.000	+0.000	-0.0001	-0.0001	0.020	P
12	0	Cmr 1x 100uA	+15.000	+0.000	+0.0001	+0.0001	0.032	P
12	0	Cmr 1x 100uA	+30.000	+0.000	+0.0003	+0.0003	0.044	P
12	0	Cmr 1x 1mA	-30.000	+0.000	-0.0083	-0.0083	0.365	P
12	0	Cmr 1x 1mA	-15.000	+0.000	-0.0008	-0.0008	0.245	P
12	0	Cmr 1x 1mA	+0.000	+0.000	-0.0049	-0.0049	0.125	P
12	0	Cmr 1x 1mA	+15.000	+0.000	+0.0008	+0.0008	0.245	P
12	0	Cmr 1x 1mA	+30.000	+0.000	+0.0048	+0.0048	0.365	P
12	0	Cmr 1x 10mA	-30.000	+0.000	+0.0016	+0.0016	3.650	P
12	0	Cmr 1x 10mA	-15.000	+0.000	+0.0577	+0.0577	2.450	P
12	0	Cmr 1x 10mA	+0.000	+0.000	+0.0172	+0.0172	1.250	P
12	0	Cmr 1x 10mA	+15.000	+0.000	+0.0078	+0.0078	2.450	P
12	0	Cmr 1x 10mA	+30.000	+0.000	+0.0718	+0.0718	3.650	P
12	0	Cmr 1x 100mA	-30.000	+0.000	-0.0988	-0.0988	36.500	P
12	0	Cmr 1x 100mA	-15.000	+0.000	-0.2391	-0.2391	24.500	P
12	0	Cmr 1x 100mA	+0.000	+0.000	-0.4573	-0.4573	12.500	P
12	0	Cmr 1x 100mA	+15.000	+0.000	+0.4935	+0.4935	24.500	P
12	0	Cmr 1x 100mA	+30.000	+0.000	+0.2129	+0.2129	36.500	P
12	0	Cmr 1x 200mA	-10.000	+0.000	-2.4746	-2.4746	41.000	P
12	0	Cmr 1x 200mA	-5.000	+0.000	-3.7818	-3.7818	33.000	P

12	0	Cmr 1x 200mA	+0.000	+0.000	-5.7426	-5.7426	25.000	P
12	0	Cmr 1x 200mA	+5.000	+0.000	-6.3962	-6.3962	33.000	P
12	0	Cmr 1x 200mA	+10.000	+0.000	-7.9524	-7.9524	41.000	P
13	1	Cmr 1x 10uA	-30.000	+0.000	-0.0013	-0.0013	0.014	P
13	1	Cmr 1x 10uA	-15.000	+0.000	+0.0007	+0.0007	0.011	P
13	1	Cmr 1x 10uA	+0.000	+0.000	+0.0010	+0.0010	0.008	P
13	1	Cmr 1x 10uA	+15.000	+0.000	+0.0011	+0.0011	0.011	P
13	1	Cmr 1x 10uA	+30.000	+0.000	+0.0011	+0.0011	0.014	P
13	1	Cmr 1x 100uA	-30.000	+0.000	-0.0009	-0.0009	0.044	P
13	1	Cmr 1x 100uA	-15.000	+0.000	+0.0012	+0.0012	0.032	P
13	1	Cmr 1x 100uA	+0.000	+0.000	+0.0015	+0.0015	0.020	P
13	1	Cmr 1x 100uA	+15.000	+0.000	+0.0009	+0.0009	0.032	P
13	1	Cmr 1x 100uA	+30.000	+0.000	+0.0010	+0.0010	0.044	P
13	1	Cmr 1x 1mA	-30.000	+0.000	+0.0036	+0.0036	0.365	P
13	1	Cmr 1x 1mA	-15.000	+0.000	+0.0083	+0.0083	0.245	P
13	1	Cmr 1x 1mA	+0.000	+0.000	+0.0039	+0.0039	0.125	P
13	1	Cmr 1x 1mA	+15.000	+0.000	+0.0050	+0.0050	0.245	P
13	1	Cmr 1x 1mA	+30.000	+0.000	-0.0044	-0.0044	0.365	P
13	1	Cmr 1x 10mA	-30.000	+0.000	+0.0611	+0.0611	3.650	P
13	1	Cmr 1x 10mA	-15.000	+0.000	+0.0299	+0.0299	2.450	P
13	1	Cmr 1x 10mA	+0.000	+0.000	-0.0014	-0.0014	1.250	P
13	1	Cmr 1x 10mA	+15.000	+0.000	-0.0076	-0.0076	2.450	P
13	1	Cmr 1x 10mA	+30.000	+0.000	-0.0638	-0.0638	3.650	P
13	1	Cmr 1x 100mA	-30.000	+0.000	+0.9640	+0.9640	36.500	P
13	1	Cmr 1x 100mA	-15.000	+0.000	+0.6367	+0.6367	24.500	P
13	1	Cmr 1x 100mA	+0.000	+0.000	+0.5276	+0.5276	12.500	P
13	1	Cmr 1x 100mA	+15.000	+0.000	-0.2206	-0.2206	24.500	P
13	1	Cmr 1x 100mA	+30.000	+0.000	+0.4496	+0.4496	36.500	P
13	1	Cmr 1x 200mA	-10.000	+0.000	-0.1071	-0.1071	41.000	P
13	1	Cmr 1x 200mA	-5.000	+0.000	-1.9439	-1.9439	33.000	P
13	1	Cmr 1x 200mA	+0.000	+0.000	-3.2826	-3.2826	25.000	P
13	1	Cmr 1x 200mA	+5.000	+0.000	-5.5553	-5.5553	33.000	P
13	1	Cmr 1x 200mA	+10.000	+0.000	-7.1430	-7.1430	41.000	P
14	2	Cmr 1x 10uA	-30.000	+0.000	-0.0013	-0.0013	0.014	P
14	2	Cmr 1x 10uA	-15.000	+0.000	+0.0006	+0.0006	0.011	P
14	2	Cmr 1x 10uA	+0.000	+0.000	+0.0007	+0.0007	0.008	P
14	2	Cmr 1x 10uA	+15.000	+0.000	+0.0008	+0.0008	0.011	P
14	2	Cmr 1x 10uA	+30.000	+0.000	+0.0008	+0.0008	0.014	P
14	2	Cmr 1x 100uA	-30.000	+0.000	-0.0006	-0.0006	0.044	P
14	2	Cmr 1x 100uA	-15.000	+0.000	+0.0009	+0.0009	0.032	P
14	2	Cmr 1x 100uA	+0.000	+0.000	+0.0001	+0.0001	0.020	P
14	2	Cmr 1x 100uA	+15.000	+0.000	-0.0007	-0.0007	0.032	P
14	2	Cmr 1x 100uA	+30.000	+0.000	-0.0012	-0.0012	0.044	P
14	2	Cmr 1x 1mA	-30.000	+0.000	+0.0162	+0.0162	0.365	P

14	2	Cmr 1x	1mA	-15.000	+0.000	+0.0095	+0.0095	0.245	P
14	2	Cmr 1x	1mA	+0.000	+0.000	+0.0021	+0.0021	0.125	P
14	2	Cmr 1x	1mA	+15.000	+0.000	-0.0017	-0.0017	0.245	P
14	2	Cmr 1x	1mA	+30.000	+0.000	-0.0155	-0.0155	0.365	P
14	2	Cmr 1x	10mA	-30.000	+0.000	+0.1887	+0.1887	3.650	P
14	2	Cmr 1x	10mA	-15.000	+0.000	+0.1278	+0.1278	2.450	P
14	2	Cmr 1x	10mA	+0.000	+0.000	+0.0638	+0.0638	1.250	P
14	2	Cmr 1x	10mA	+15.000	+0.000	-0.0548	-0.0548	2.450	P
14	2	Cmr 1x	10mA	+30.000	+0.000	-0.1063	-0.1063	3.650	P
14	2	Cmr 1x	100mA	-30.000	+0.000	+2.2414	+2.2414	36.500	P
14	2	Cmr 1x	100mA	-15.000	+0.000	+0.9320	+0.9320	24.500	P
14	2	Cmr 1x	100mA	+0.000	+0.000	+0.0279	+0.0279	12.500	P
14	2	Cmr 1x	100mA	+15.000	+0.000	-0.7048	-0.7048	24.500	P
14	2	Cmr 1x	100mA	+30.000	+0.000	-1.4063	-1.4063	36.500	P
14	2	Cmr 1x	200mA	-10.000	+0.000	-0.5256	-0.5256	41.000	P
14	2	Cmr 1x	200mA	-5.000	+0.000	-1.4598	-1.4598	33.000	P
14	2	Cmr 1x	200mA	+0.000	+0.000	-3.2658	-3.2658	25.000	P
14	2	Cmr 1x	200mA	+5.000	+0.000	-5.4144	-5.4144	33.000	P
14	2	Cmr 1x	200mA	+10.000	+0.000	-8.1235	-8.1235	41.000	P
15	3	Cmr 1x	10uA	-30.000	+0.000	-0.0012	-0.0012	0.014	P
15	3	Cmr 1x	10uA	-15.000	+0.000	+0.0004	+0.0004	0.011	P
15	3	Cmr 1x	10uA	+0.000	+0.000	+0.0006	+0.0006	0.008	P
15	3	Cmr 1x	10uA	+15.000	+0.000	+0.0007	+0.0007	0.011	P
15	3	Cmr 1x	10uA	+30.000	+0.000	+0.0008	+0.0008	0.014	P
15	3	Cmr 1x	100uA	-30.000	+0.000	-0.0013	-0.0013	0.044	P
15	3	Cmr 1x	100uA	-15.000	+0.000	+0.0007	+0.0007	0.032	P
15	3	Cmr 1x	100uA	+0.000	+0.000	+0.0007	+0.0007	0.020	P
15	3	Cmr 1x	100uA	+15.000	+0.000	+0.0004	+0.0004	0.032	P
15	3	Cmr 1x	100uA	+30.000	+0.000	+0.0004	+0.0004	0.044	P
15	3	Cmr 1x	1mA	-30.000	+0.000	+0.0036	+0.0036	0.365	P
15	3	Cmr 1x	1mA	-15.000	+0.000	+0.0044	+0.0044	0.245	P
15	3	Cmr 1x	1mA	+0.000	+0.000	+0.0042	+0.0042	0.125	P
15	3	Cmr 1x	1mA	+15.000	+0.000	-0.0052	-0.0052	0.245	P
15	3	Cmr 1x	1mA	+30.000	+0.000	-0.0033	-0.0033	0.365	P
15	3	Cmr 1x	10mA	-30.000	+0.000	+0.0529	+0.0529	3.650	P
15	3	Cmr 1x	10mA	-15.000	+0.000	+0.0435	+0.0435	2.450	P
15	3	Cmr 1x	10mA	+0.000	+0.000	+0.0623	+0.0623	1.250	P
15	3	Cmr 1x	10mA	+15.000	+0.000	-0.0533	-0.0533	2.450	P
15	3	Cmr 1x	10mA	+30.000	+0.000	-0.0424	-0.0424	3.650	P
15	3	Cmr 1x	100mA	-30.000	+0.000	+0.5636	+0.5636	36.500	P
15	3	Cmr 1x	100mA	-15.000	+0.000	+0.3142	+0.3142	24.500	P
15	3	Cmr 1x	100mA	+0.000	+0.000	-0.2002	-0.2002	12.500	P
15	3	Cmr 1x	100mA	+15.000	+0.000	-1.0263	-1.0263	24.500	P
15	3	Cmr 1x	100mA	+30.000	+0.000	-1.0574	-1.0574	36.500	P

15	3	Cmr 1x 200mA	-10.000	+0.000	-1.9561	-1.9561	41.000	P
15	3	Cmr 1x 200mA	-5.000	+0.000	-3.4194	-3.4194	33.000	P
15	3	Cmr 1x 200mA	+0.000	+0.000	-5.3185	-5.3185	25.000	P
15	3	Cmr 1x 200mA	+5.000	+0.000	-6.8129	-6.8129	33.000	P
15	3	Cmr 1x 200mA	+10.000	+0.000	-7.9025	-7.9025	41.000	P
16	4	Cmr 1x 10uA	-30.000	+0.000	-0.0010	-0.0010	0.014	P
16	4	Cmr 1x 10uA	-15.000	+0.000	+0.0005	+0.0005	0.011	P
16	4	Cmr 1x 10uA	+0.000	+0.000	+0.0007	+0.0007	0.008	P
16	4	Cmr 1x 10uA	+15.000	+0.000	+0.0007	+0.0007	0.011	P
16	4	Cmr 1x 10uA	+30.000	+0.000	+0.0007	+0.0007	0.014	P
16	4	Cmr 1x 100uA	-30.000	+0.000	-0.0004	-0.0004	0.044	P
16	4	Cmr 1x 100uA	-15.000	+0.000	+0.0006	+0.0006	0.032	P
16	4	Cmr 1x 100uA	+0.000	+0.000	+0.0002	+0.0002	0.020	P
16	4	Cmr 1x 100uA	+15.000	+0.000	-0.0003	-0.0003	0.032	P
16	4	Cmr 1x 100uA	+30.000	+0.000	-0.0007	-0.0007	0.044	P
16	4	Cmr 1x 1mA	-30.000	+0.000	+0.0123	+0.0123	0.365	P
16	4	Cmr 1x 1mA	-15.000	+0.000	+0.0077	+0.0077	0.245	P
16	4	Cmr 1x 1mA	+0.000	+0.000	-0.0030	-0.0030	0.125	P
16	4	Cmr 1x 1mA	+15.000	+0.000	-0.0061	-0.0061	0.245	P
16	4	Cmr 1x 1mA	+30.000	+0.000	-0.0100	-0.0100	0.365	P
16	4	Cmr 1x 10mA	-30.000	+0.000	+0.1701	+0.1701	3.650	P
16	4	Cmr 1x 10mA	-15.000	+0.000	+0.0686	+0.0686	2.450	P
16	4	Cmr 1x 10mA	+0.000	+0.000	+0.0015	+0.0015	1.250	P
16	4	Cmr 1x 10mA	+15.000	+0.000	-0.0750	-0.0750	2.450	P
16	4	Cmr 1x 10mA	+30.000	+0.000	-0.1374	-0.1374	3.650	P
16	4	Cmr 1x 100mA	-30.000	+0.000	+0.9279	+0.9279	36.500	P
16	4	Cmr 1x 100mA	-15.000	+0.000	+0.4292	+0.4292	24.500	P
16	4	Cmr 1x 100mA	+0.000	+0.000	-0.3031	-0.3031	12.500	P
16	4	Cmr 1x 100mA	+15.000	+0.000	-0.4278	-0.4278	24.500	P
16	4	Cmr 1x 100mA	+30.000	+0.000	-1.6120	-1.6120	36.500	P
16	4	Cmr 1x 200mA	-10.000	+0.000	-1.0993	-1.0993	41.000	P
16	4	Cmr 1x 200mA	-5.000	+0.000	-3.0289	-3.0289	33.000	P
16	4	Cmr 1x 200mA	+0.000	+0.000	-4.5540	-4.5540	25.000	P
16	4	Cmr 1x 200mA	+5.000	+0.000	-7.3239	-7.3239	33.000	P
16	4	Cmr 1x 200mA	+10.000	+0.000	-8.0086	-8.0086	41.000	P
17	5	Cmr 1x 10uA	-30.000	+0.000	-0.0009	-0.0009	0.014	P
17	5	Cmr 1x 10uA	-15.000	+0.000	+0.0003	+0.0003	0.011	P
17	5	Cmr 1x 10uA	+0.000	+0.000	+0.0006	+0.0006	0.008	P
17	5	Cmr 1x 10uA	+15.000	+0.000	+0.0006	+0.0006	0.011	P
17	5	Cmr 1x 10uA	+30.000	+0.000	+0.0007	+0.0007	0.014	P
17	5	Cmr 1x 100uA	-30.000	+0.000	-0.0014	-0.0014	0.044	P
17	5	Cmr 1x 100uA	-15.000	+0.000	+0.0001	+0.0001	0.032	P
17	5	Cmr 1x 100uA	+0.000	+0.000	+0.0007	+0.0007	0.020	P
17	5	Cmr 1x 100uA	+15.000	+0.000	-0.0001	-0.0001	0.032	P

17	5	Cmr 1x 100uA	+30.000	+0.000	+0.0005	+0.0005	0.044	P
17	5	Cmr 1x 1mA	-30.000	+0.000	-0.0011	-0.0011	0.365	P
17	5	Cmr 1x 1mA	-15.000	+0.000	+0.0001	+0.0001	0.245	P
17	5	Cmr 1x 1mA	+0.000	+0.000	-0.0052	-0.0052	0.125	P
17	5	Cmr 1x 1mA	+15.000	+0.000	-0.0013	-0.0013	0.245	P
17	5	Cmr 1x 1mA	+30.000	+0.000	-0.0085	-0.0085	0.365	P
17	5	Cmr 1x 10mA	-30.000	+0.000	+0.0090	+0.0090	3.650	P
17	5	Cmr 1x 10mA	-15.000	+0.000	-0.0082	-0.0082	2.450	P
17	5	Cmr 1x 10mA	+0.000	+0.000	+0.0027	+0.0027	1.250	P
17	5	Cmr 1x 10mA	+15.000	+0.000	-0.0082	-0.0082	2.450	P
17	5	Cmr 1x 10mA	+30.000	+0.000	-0.0113	-0.0113	3.650	P
17	5	Cmr 1x 100mA	-30.000	+0.000	-0.4912	-0.4912	36.500	P
17	5	Cmr 1x 100mA	-15.000	+0.000	-0.3197	-0.3197	24.500	P
17	5	Cmr 1x 100mA	+0.000	+0.000	-0.3353	-0.3353	12.500	P
17	5	Cmr 1x 100mA	+15.000	+0.000	-0.1327	-0.1327	24.500	P
17	5	Cmr 1x 100mA	+30.000	+0.000	-0.4444	-0.4444	36.500	P
17	5	Cmr 1x 200mA	-10.000	+0.000	-0.1869	-0.1869	41.000	P
17	5	Cmr 1x 200mA	-5.000	+0.000	-1.0273	-1.0273	33.000	P
17	5	Cmr 1x 200mA	+0.000	+0.000	-1.4320	-1.4320	25.000	P
17	5	Cmr 1x 200mA	+5.000	+0.000	-3.8598	-3.8598	33.000	P
17	5	Cmr 1x 200mA	+10.000	+0.000	-4.6068	-4.6068	41.000	P

Current Common Mode 10X Section:

					---------- Measure I 10x ----------			
Pin	Chn	Desc	FV Diff(V)	Exp(uA)	MI Diff(uA)	Err(uA)	Limit(uA)	P/F
12	0	Cmr 10x 100uA	+60.000	+0.000	+0.0003	+0.0003	0.024	P
12	0	Cmr 10x 1mA	+60.000	+0.000	+0.0012	+0.0012	0.240	P
12	0	Cmr 10x 10mA	+60.000	+0.000	+0.0014	+0.0014	2.400	P
12	0	Cmr 10x 100mA	+60.000	+0.000	+0.0297	+0.0297	24.000	P
12	0	Cmr 10x 200mA	+20.000	+0.000	+0.1009	+0.1009	16.000	P
13	1	Cmr 10x 100uA	+60.000	+0.000	+0.0003	+0.0003	0.024	P
13	1	Cmr 10x 1mA	+60.000	+0.000	+0.0012	+0.0012	0.240	P
13	1	Cmr 10x 10mA	+60.000	+0.000	+0.0156	+0.0156	2.400	P
13	1	Cmr 10x 100mA	+60.000	+0.000	+0.0758	+0.0758	24.000	P
13	1	Cmr 10x 200mA	+20.000	+0.000	+0.1369	+0.1369	16.000	P
14	2	Cmr 10x 100uA	+60.000	+0.000	+0.0004	+0.0004	0.024	P
14	2	Cmr 10x 1mA	+60.000	+0.000	+0.0012	+0.0012	0.240	P
14	2	Cmr 10x 10mA	+60.000	+0.000	+0.0141	+0.0141	2.400	P
14	2	Cmr 10x 100mA	+60.000	+0.000	+0.1311	+0.1311	24.000	P
14	2	Cmr 10x 200mA	+20.000	+0.000	+0.1255	+0.1255	16.000	P
15	3	Cmr 10x 100uA	+60.000	+0.000	+0.0003	+0.0003	0.024	P
15	3	Cmr 10x 1mA	+60.000	+0.000	+0.0015	+0.0015	0.240	P
15	3	Cmr 10x 10mA	+60.000	+0.000	+0.0086	+0.0086	2.400	P

15	3	Cmr 10x 100mA	+60.000	+0.000	+0.0661	+0.0661	24.000	P
15	3	Cmr 10x 200mA	+20.000	+0.000	+0.2056	+0.2056	16.000	P
16	4	Cmr 10x 100uA	+60.000	+0.000	+0.0001	+0.0001	0.024	P
16	4	Cmr 10x 1mA	+60.000	+0.000	+0.0001	+0.0001	0.240	P
16	4	Cmr 10x 10mA	+60.000	+0.000	+0.0097	+0.0097	2.400	P
16	4	Cmr 10x 100mA	+60.000	+0.000	+0.0333	+0.0333	24.000	P
16	4	Cmr 10x 200mA	+20.000	+0.000	+0.0212	+0.0212	16.000	P
17	5	Cmr 10x 100uA	+60.000	+0.000	+0.0001	+0.0001	0.024	P
17	5	Cmr 10x 1mA	+60.000	+0.000	-0.0004	-0.0004	0.240	P
17	5	Cmr 10x 10mA	+60.000	+0.000	-0.0006	-0.0006	2.400	P
17	5	Cmr 10x 100mA	+60.000	+0.000	+0.0687	+0.0687	24.000	P
17	5	Cmr 10x 200mA	+20.000	+0.000	-0.1015	-0.1015	16.000	P

Current Force/Measure Section:

			Force I					Measure I			
Pin	Chn	Desc	Expect(mA)	DMM(mA)	Err(uA)	FI Lim(uA)	P/F	MI(mA)	Err(uA)	MI Lim(uA)	P/F
12	0	Current 10uA	-0.01000	-0.01000	+0.001	0.013	P	-0.01000	-0.000	0.013	P
12	0	Current 10uA	-0.00500	-0.00500	+0.000	0.010	P	-0.00500	-0.000	0.010	P
12	0	Current 10uA	+0.00000	+0.00000	+0.000	0.008	P	-0.00000	-0.000	0.008	P
12	0	Current 10uA	+0.00500	+0.00500	-0.000	0.010	P	+0.00500	-0.000	0.010	P
12	0	Current 10uA	+0.01000	+0.01000	+0.000	0.013	P	+0.01000	-0.000	0.013	P
12	0	Current 100uA	-0.10000	-0.10000	+0.003	0.070	P	-0.10000	+0.000	0.070	P
12	0	Current 100uA	-0.05000	-0.05000	+0.001	0.045	P	-0.05000	+0.000	0.045	P
12	0	Current 100uA	+0.00000	+0.00000	+0.001	0.020	P	-0.00000	-0.001	0.020	P
12	0	Current 100uA	+0.05000	+0.05000	-0.000	0.045	P	+0.05000	-0.000	0.045	P
12	0	Current 100uA	+0.10000	+0.10000	-0.002	0.070	P	+0.10000	-0.002	0.070	P
12	0	Current 1mA	-1.00000	-0.99998	+0.020	0.625	P	-0.99997	+0.012	0.625	P
12	0	Current 1mA	-0.50000	-0.49999	+0.005	0.375	P	-0.49999	+0.004	0.375	P
12	0	Current 1mA	+0.00000	+0.00000	+0.005	0.125	P	-0.00001	-0.010	0.125	P

12 0 Current 1mA +0.50000 +0.49999 -0.005 0.375 P +0.49999 -0.002 0.375 P
12 0 Current 1mA +1.00000 +1.00001 +0.012 0.625 P +1.00000 -0.014 0.625 P
12 0 Current 10mA -10.00000 -9.99988 +0.121 6.250 P -9.99983 +0.048 6.250 P
12 0 Current 10mA -5.00000 -4.99985 +0.151 3.750 P -4.99979 +0.055 3.750 P
12 0 Current 10mA +0.00000 +0.00002 +0.021 1.250 P -0.00002 -0.046 1.250 P
12 0 Current 10mA +5.00000 +4.99983 -0.172 3.750 P +4.99989 +0.061 3.750 P
12 0 Current 10mA +10.00000 +9.99985 -0.149 6.250 P +9.99975 -0.106 6.250 P
12 0 Current 100mA -100.00000 -100.00168 -1.678 62.500 P -99.99830 +3.382 62.501 P
12 0 Current 100mA -50.00000 -49.99750 +2.503 37.500 P -49.99944 -1.946 37.499 P
12 0 Current 100mA +0.00000 +0.00011 +0.113 12.500 P -0.00018 -0.290 12.500 P
12 0 Current 100mA +50.00000 +49.99593 -4.065 37.500 P +49.99913 +3.194 37.498 P
12 0 Current 100mA +100.00000 +100.00355 +3.552 62.500 P +99.99791 -5.641 62.502 P
12 0 Current 200mA -200.00000 -200.00227 -2.268 125.000 P -199.99470 +7.564 125.001 P
12 0 Current 200mA -100.00000 -99.99209 +7.907 75.000 P -99.99506 -2.965 74.996 P
12 0 Current 200mA +0.00000 +0.00467 +4.668 25.000 P +0.00132 -3.346 25.002 P
12 0 Current 200mA +100.00000 +99.99594 -4.059 75.000 P +100.00010 +4.160 74.998 P
12 0 Current 200mA +200.00000 +199.99865 -1.346 125.000 P +199.99493 -3.727 124.999 P
13 1 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 +0.000 0.013 P
13 1 Current 10uA -0.00500 -0.00500 -0.000 0.010 P -0.00500 +0.000 0.011 P
13 1 Current 10uA +0.00000 -0.00000 -0.000 0.008 P -0.00000 -0.000 0.008 P
13 1 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 -0.000 0.010 P
13 1 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 -0.000 0.013 P

13 1 Current 100uA -0.10000 -0.10000 -0.000 0.070 P -0.10000 +0.002 0.070 P
13 1 Current 100uA -0.05000 -0.05000 -0.001 0.045 P -0.05000 +0.001 0.045 P
13 1 Current 100uA +0.00000 -0.00000 -0.001 0.020 P -0.00000 -0.000 0.020 P
13 1 Current 100uA +0.05000 +0.05000 -0.001 0.045 P +0.05000 -0.001 0.045 P
13 1 Current 100uA +0.10000 +0.10000 -0.001 0.070 P +0.10000 -0.002 0.070 P
13 1 Current 1mA -1.00000 -1.00000 +0.001 0.625 P -0.99999 +0.012 0.625 P
13 1 Current 1mA -0.50000 -0.50001 -0.008 0.375 P -0.50000 +0.011 0.375 P
13 1 Current 1mA +0.00000 -0.00000 -0.001 0.125 P -0.00001 -0.008 0.125 P
13 1 Current 1mA +0.50000 +0.50000 -0.001 0.375 P +0.49999 -0.007 0.375 P
13 1 Current 1mA +1.00000 +1.00000 -0.003 0.625 P +0.99998 -0.020 0.625 P
13 1 Current 10mA -10.00000 -9.99994 +0.064 6.250 P -9.99974 +0.198 6.250 P
13 1 Current 10mA -5.00000 -4.99982 +0.181 3.750 P -4.99980 +0.019 3.750 P
13 1 Current 10mA +0.00000 -0.00001 -0.014 1.250 P -0.00010 -0.082 1.250 P
13 1 Current 10mA +5.00000 +5.00011 +0.110 3.750 P +5.00009 -0.023 3.750 P
13 1 Current 10mA +10.00000 +9.99990 -0.098 6.250 P +9.99974 -0.161 6.250 P
13 1 Current 100mA -100.00000 -100.00147 -1.466 62.500 P -100.00081 +0.660 62.501 P
13 1 Current 100mA -50.00000 -49.99942 +0.578 37.500 P -49.99940 +0.024 37.500 P
13 1 Current 100mA +0.00000 -0.00016 -0.162 12.500 P -0.00017 -0.012 12.500 P
13 1 Current 100mA +50.00000 +49.99807 -1.925 37.500 P +49.99881 +0.738 37.499 P
13 1 Current 100mA +100.00000 +100.00082 +0.821 62.500 P +99.99783 -2.993 62.500 P
13 1 Current 200mA -200.00000 -199.99929 +0.712 125.000 P -199.99544 +3.853 125.000 P
13 1 Current 200mA -100.00000 -99.99534 +4.655 75.000 P -99.99497 +0.371 74.998 P

13 1 Current 200mA +0.00000 +0.00229 +2.288 25.000 P +0.00142 -0.870 25.001 P
13 1 Current 200mA +100.00000 +99.99731 -2.688 75.000 P +99.99938 +2.066 74.999 P
13 1 Current 200mA +200.00000 +200.00190 +1.903 125.000 P +199.99784 -4.058 125.001 P
14 2 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 +0.000 0.013 P
14 2 Current 10uA -0.00500 -0.00500 +0.000 0.010 P -0.00500 -0.000 0.010 P
14 2 Current 10uA +0.00000 -0.00000 -0.000 0.008 P -0.00000 -0.000 0.008 P
14 2 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 -0.000 0.010 P
14 2 Current 10uA +0.01000 +0.01000 +0.000 0.013 P +0.01000 -0.000 0.013 P
14 2 Current 100uA -0.10000 -0.10000 +0.001 0.070 P -0.10000 +0.002 0.070 P
14 2 Current 100uA -0.05000 -0.05000 -0.002 0.045 P -0.05000 +0.001 0.045 P
14 2 Current 100uA +0.00000 +0.00000 +0.000 0.020 P -0.00000 -0.001 0.020 P
14 2 Current 100uA +0.05000 +0.05000 -0.001 0.045 P +0.05000 -0.001 0.045 P
14 2 Current 100uA +0.10000 +0.10000 +0.002 0.070 P +0.10000 -0.002 0.070 P
14 2 Current 1mA -1.00000 -1.00000 +0.002 0.625 P -0.99998 +0.018 0.625 P
14 2 Current 1mA -0.50000 -0.50000 -0.003 0.375 P -0.49999 +0.012 0.375 P
14 2 Current 1mA +0.00000 +0.00000 +0.004 0.125 P +0.00000 +0.001 0.125 P
14 2 Current 1mA +0.50000 +0.50001 +0.011 0.375 P +0.50001 -0.006 0.375 P
14 2 Current 1mA +1.00000 +1.00001 +0.008 0.625 P +0.99998 -0.024 0.625 P
14 2 Current 10mA -10.00000 -9.99992 +0.085 6.250 P -9.99985 +0.066 6.250 P
14 2 Current 10mA -5.00000 -4.99999 +0.008 3.750 P -4.99990 +0.087 3.750 P
14 2 Current 10mA +0.00000 +0.00001 +0.007 1.250 P -0.00003 -0.036 1.250 P
14 2 Current 10mA +5.00000 +5.00008 +0.081 3.750 P +5.00008 -0.000 3.750 P

14 2 Current 10mA +10.00000 +10.00007 +0.069 6.250 P +9.99990 -0.165 6.250 P
14 2 Current 100mA -100.00000 -99.99975 +0.248 62.500 P -99.99825 +1.506 62.500 P
14 2 Current 100mA -50.00000 -49.99981 +0.193 37.500 P -49.99968 +0.124 37.500 P
14 2 Current 100mA +0.00000 -0.00003 -0.028 12.500 P -0.00041 -0.380 12.500 P
14 2 Current 100mA +50.00000 +50.00013 +0.127 37.500 P +50.00170 +1.570 37.500 P
14 2 Current 100mA +100.00000 +100.00058 +0.575 62.500 P +99.99886 -1.718 62.500 P
14 2 Current 200mA -200.00000 -199.99792 +2.083 125.000 P -199.99516 +2.761 124.999 P
14 2 Current 200mA -100.00000 -99.99347 +6.533 75.000 P -99.99437 -0.903 74.997 P
14 2 Current 200mA +0.00000 +0.00307 +3.067 25.000 P +0.00193 -1.132 25.002 P
14 2 Current 200mA +100.00000 +100.00111 +1.112 75.000 P +100.00136 +0.245 75.001 P
14 2 Current 200mA +200.00000 +199.99590 -4.095 125.000 P +199.99455 -1.350 124.998 P
15 3 Current 10uA -0.01000 -0.01000 -0.000 0.013 P -0.01000 +0.000 0.013 P
15 3 Current 10uA -0.00500 -0.00500 +0.000 0.010 P -0.00500 +0.000 0.010 P
15 3 Current 10uA +0.00000 -0.00000 -0.000 0.008 P -0.00000 -0.000 0.008 P
15 3 Current 10uA +0.00500 +0.00500 +0.000 0.010 P +0.00500 -0.000 0.011 P
15 3 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 -0.000 0.013 P
15 3 Current 100uA -0.10000 -0.10000 +0.001 0.070 P -0.10000 +0.002 0.070 P
15 3 Current 100uA -0.05000 -0.05000 +0.001 0.045 P -0.05000 +0.002 0.045 P
15 3 Current 100uA +0.00000 -0.00000 -0.001 0.020 P -0.00000 +0.000 0.020 P
15 3 Current 100uA +0.05000 +0.05000 -0.002 0.045 P +0.05000 -0.000 0.045 P
15 3 Current 100uA +0.10000 +0.10000 -0.000 0.070 P +0.10000 -0.003 0.070 P
15 3 Current 1mA -1.00000 -1.00000 -0.000 0.625 P -0.99998 +0.016 0.625 P

15 3 Current 1mA -0.50000 -0.49999 +0.005 0.375 P -0.49999 +0.008 0.375 P
15 3 Current 1mA +0.00000 +0.00000 +0.000 0.125 P -0.00000 -0.004 0.125 P
15 3 Current 1mA +0.50000 +0.50000 -0.004 0.375 P +0.49999 -0.005 0.375 P
15 3 Current 1mA +1.00000 +1.00001 +0.007 0.625 P +0.99999 -0.017 0.625 P
15 3 Current 10mA -10.00000 -9.99975 +0.255 6.250 P -9.99966 +0.088 6.250 P
15 3 Current 10mA -5.00000 -4.99996 +0.042 3.750 P -4.99993 +0.033 3.750 P
15 3 Current 10mA +0.00000 +0.00001 +0.007 1.250 P -0.00002 -0.023 1.250 P
15 3 Current 10mA +5.00000 +4.99995 -0.049 3.750 P +4.99988 -0.075 3.750 P
15 3 Current 10mA +10.00000 +9.99983 -0.169 6.250 P +9.99968 -0.152 6.250 P
15 3 Current 100mA -100.00000 -99.99840 +1.600 62.500 P -99.99775 +0.647 62.499 P
15 3 Current 100mA -50.00000 -50.00004 -0.042 37.500 P -50.00050 -0.459 37.500 P
15 3 Current 100mA +0.00000 -0.00023 -0.231 12.500 P -0.00067 -0.437 12.500 P
15 3 Current 100mA +50.00000 +49.99926 -0.739 37.500 P +49.99981 +0.554 37.500 P
15 3 Current 100mA +100.00000 +99.99838 -1.615 62.500 P +99.99669 -1.693 62.499 P
15 3 Current 200mA -200.00000 -199.99636 +3.640 125.000 P -199.99373 +2.634 124.998 P
15 3 Current 200mA -100.00000 -99.99534 +4.659 75.000 P -99.99610 -0.759 74.998 P
15 3 Current 200mA +0.00000 +0.00380 +3.799 25.000 P +0.00156 -2.237 25.002 P
15 3 Current 200mA +100.00000 +99.99869 -1.313 75.000 P +99.99833 -0.360 74.999 P
15 3 Current 200mA +200.00000 +199.99971 -0.295 125.000 P +199.99653 -3.177 125.000 P
16 4 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 +0.000 0.013 P
16 4 Current 10uA -0.00500 -0.00500 -0.000 0.010 P -0.00500 +0.000 0.011 P
16 4 Current 10uA +0.00000 -0.00000 -0.000 0.008 P -0.00000 +0.000 0.008 P

16 4 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 -0.000 0.010 P
16 4 Current 10uA +0.01000 +0.01000 +0.000 0.013 P +0.01000 -0.000 0.013 P
16 4 Current 100uA -0.10000 -0.10000 +0.001 0.070 P -0.10000 +0.002 0.070 P
16 4 Current 100uA -0.05000 -0.05000 -0.002 0.045 P -0.05000 +0.001 0.045 P
16 4 Current 100uA +0.00000 -0.00000 -0.003 0.020 P -0.00000 -0.000 0.020 P
16 4 Current 100uA +0.05000 +0.05000 -0.000 0.045 P +0.05000 -0.000 0.045 P
16 4 Current 100uA +0.10000 +0.10000 +0.001 0.070 P +0.10000 -0.002 0.070 P
16 4 Current 1mA -1.00000 -1.00002 -0.017 0.625 P -1.00000 +0.014 0.625 P
16 4 Current 1mA -0.50000 -0.49998 +0.020 0.375 P -0.49997 +0.010 0.375 P
16 4 Current 1mA +0.00000 +0.00001 +0.008 0.125 P +0.00000 -0.004 0.125 P
16 4 Current 1mA +0.50000 +0.50000 -0.001 0.375 P +0.49999 -0.010 0.375 P
16 4 Current 1mA +1.00000 +1.00001 +0.008 0.625 P +0.99998 -0.025 0.625 P
16 4 Current 10mA -10.00000 -10.00005 -0.045 6.250 P -9.99987 +0.179 6.250 P
16 4 Current 10mA -5.00000 -4.99987 +0.126 3.750 P -4.99979 +0.085 3.750 P
16 4 Current 10mA +0.00000 +0.00008 +0.082 1.250 P +0.00007 -0.007 1.250 P
16 4 Current 10mA +5.00000 +5.00004 +0.036 3.750 P +5.00008 +0.040 3.750 P
16 4 Current 10mA +10.00000 +9.99994 -0.061 6.250 P +9.99974 -0.196 6.250 P
16 4 Current 100mA -100.00000 -100.00044 -0.437 62.500 P -99.99891 +1.527 62.500 P
16 4 Current 100mA -50.00000 -49.99827 +1.728 37.500 P -49.99861 -0.338 37.499 P
16 4 Current 100mA +0.00000 +0.00071 +0.708 12.500 P +0.00030 -0.403 12.500 P
16 4 Current 100mA +50.00000 +49.99971 -0.290 37.500 P +50.00002 +0.307 37.500 P
16 4 Current 100mA +100.00000 +100.00161 +1.607 62.500 P +100.00000 -1.611 62.501 P

16 4 Current 200mA -200.00000 -199.99833 +1.673 125.000 P -199.99621 +2.114 124.999 P
16 4 Current 200mA -100.00000 -99.99786 +2.141 75.000 P -99.99781 +0.052 74.999 P
16 4 Current 200mA +0.00000 +0.00600 +5.996 25.000 P +0.00180 -4.201 25.003 P
16 4 Current 200mA +100.00000 +100.00056 +0.560 75.000 P +99.99955 -1.015 75.000 P
16 4 Current 200mA +200.00000 +199.99787 -2.128 125.000 P +199.99432 -3.549 124.999 P
17 5 Current 10uA -0.01000 -0.01000 -0.000 0.013 P -0.01000 +0.000 0.013 P
17 5 Current 10uA -0.00500 -0.00500 +0.000 0.010 P -0.00500 +0.000 0.010 P
17 5 Current 10uA +0.00000 -0.00000 -0.000 0.008 P -0.00000 +0.000 0.008 P
17 5 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 -0.000 0.010 P
17 5 Current 10uA +0.01000 +0.01000 +0.000 0.013 P +0.01000 -0.000 0.013 P
17 5 Current 100uA -0.10000 -0.10000 -0.001 0.070 P -0.10000 +0.003 0.070 P
17 5 Current 100uA -0.05000 -0.05000 -0.001 0.045 P -0.05000 +0.001 0.045 P
17 5 Current 100uA +0.00000 -0.00000 -0.001 0.020 P -0.00000 -0.000 0.020 P
17 5 Current 100uA +0.05000 +0.05000 -0.000 0.045 P +0.05000 -0.001 0.045 P
17 5 Current 100uA +0.10000 +0.10000 -0.000 0.070 P +0.10000 -0.002 0.070 P
17 5 Current 1mA -1.00000 -1.00001 -0.008 0.625 P -0.99999 +0.023 0.625 P
17 5 Current 1mA -0.50000 -0.49999 +0.012 0.375 P -0.49998 +0.011 0.375 P
17 5 Current 1mA +0.00000 +0.00000 +0.000 0.125 P -0.00000 -0.004 0.125 P
17 5 Current 1mA +0.50000 +0.49999 -0.010 0.375 P +0.49998 -0.009 0.375 P
17 5 Current 1mA +1.00000 +1.00001 +0.009 0.625 P +0.99997 -0.035 0.625 P
17 5 Current 10mA -10.00000 -9.99992 +0.083 6.250 P -9.99977 +0.147 6.250 P
17 5 Current 10mA -5.00000 -4.99979 +0.208 3.750 P -4.99979 +0.005 3.750 P

17	5	Current	10mA	+0.00000	+0.00000	+0.001	1.250	P	-0.00000	-0.003	1.250 P
17	5	Current	10mA	+5.00000	+4.99981	-0.191	3.750	P	+4.99986	+0.053	3.750 P
17	5	Current	10mA	+10.00000	+9.99991	-0.093	6.250	P	+9.99975	-0.161	6.250 P
17	5	Current	100mA	-100.00000	-99.99793	+2.066	62.500	P	-99.99710	+0.832	62.499 P
17	5	Current	100mA	-50.00000	-49.99854	+1.460	37.500	P	-49.99894	-0.397	37.499 P
17	5	Current	100mA	+0.00000	-0.00029	-0.291	12.500	P	-0.00085	-0.558	12.500 P
17	5	Current	100mA	+50.00000	+49.99828	-1.719	37.500	P	+49.99894	+0.657	37.499 P
17	5	Current	100mA	+100.00000	+99.99934	-0.658	62.500	P	+99.99804	-1.300	62.500 P
17	5	Current	200mA	-200.00000	-199.99833	+1.673	125.000	P	-199.99811	+0.217	124.999 P
17	5	Current	200mA	-100.00000	-99.99667	+3.329	75.000	P	-99.99286	+3.808	74.998 P
17	5	Current	200mA	+0.00000	-0.00421	-4.211	25.000	P	-0.00286	+1.347	25.002 P
17	5	Current	200mA	+100.00000	+99.99887	-1.131	75.000	P	+100.00083	+1.965	74.999 P
17	5	Current	200mA	+200.00000	+199.99874	-1.264	125.000	P	+199.99445	-4.285	124.999 P

Current Measure 10X Section:

			Measure I 10X					
Pin	Chn	Desc	Expect(mA)	DMM(mA)	MI(mA)	Err(uA)	MI Lim(uA)	P/F
12	0	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017 P
12	0	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.014 P
12	0	Curr10X	100uA	+0.00000	+0.00000	+0.00000	+0.000	0.012 P
12	0	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.015 P
12	0	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017 P
12	0	Curr10X	1mA	-0.10000	-0.09998	-0.09998	+0.001	0.110 P
12	0	Curr10X	1mA	-0.05000	-0.04999	-0.04999	-0.000	0.085 P
12	0	Curr10X	1mA	+0.00000	+0.00000	+0.00000	+0.001	0.060 P
12	0	Curr10X	1mA	+0.05000	+0.05000	+0.05000	-0.001	0.085 P
12	0	Curr10X	1mA	+0.10000	+0.09999	+0.09999	-0.001	0.110 P
12	0	Curr10X	10mA	-1.00000	-0.99980	-0.99983	-0.036	1.100 P
12	0	Curr10X	10mA	-0.50000	-0.50004	-0.50005	-0.006	0.850 P
12	0	Curr10X	10mA	+0.00000	+0.00004	+0.00003	-0.009	0.600 P

12	0	Curr10X	10mA	+0.50000	+0.50013	+0.50012	-0.014	0.850	P
12	0	Curr10X	10mA	+1.00000	+0.99991	+0.99988	-0.033	1.100	P
12	0	Curr10X	100mA	-10.00000	-9.99720	-9.99769	-0.494	10.999	P
12	0	Curr10X	100mA	-5.00000	-4.99854	-4.99879	-0.256	8.499	P
12	0	Curr10X	100mA	+0.00000	+0.00015	+0.00003	-0.123	6.000	P
12	0	Curr10X	100mA	+5.00000	+4.99900	+4.99882	-0.176	8.499	P
12	0	Curr10X	100mA	+10.00000	+10.00082	+10.00061	-0.212	11.000	P
12	0	Curr10X	200mA	-20.00000	-19.99313	-19.99370	-0.573	21.997	P
12	0	Curr10X	200mA	-10.00000	-9.99359	-9.99356	+0.033	16.997	P
12	0	Curr10X	200mA	+0.00000	+0.00650	+0.00679	+0.289	12.003	P
12	0	Curr10X	200mA	+10.00000	+10.00617	+10.00699	+0.821	17.003	P
12	0	Curr10X	200mA	+20.00000	+20.00645	+20.00629	-0.159	22.003	P
13	1	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.001	0.017	P
13	1	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.015	P
13	1	Curr10X	100uA	+0.00000	+0.00000	+0.00000	+0.000	0.012	P
13	1	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.014	P
13	1	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.001	0.017	P
13	1	Curr10X	1mA	-0.10000	-0.09999	-0.09998	+0.006	0.110	P
13	1	Curr10X	1mA	-0.05000	-0.05001	-0.05001	+0.001	0.085	P
13	1	Curr10X	1mA	+0.00000	+0.00000	+0.00000	+0.000	0.060	P
13	1	Curr10X	1mA	+0.05000	+0.05002	+0.05002	-0.001	0.085	P
13	1	Curr10X	1mA	+0.10000	+0.10000	+0.10000	-0.005	0.110	P
13	1	Curr10X	10mA	-1.00000	-0.99985	-0.99978	+0.072	1.100	P
13	1	Curr10X	10mA	-0.50000	-0.49992	-0.49988	+0.040	0.850	P
13	1	Curr10X	10mA	+0.00000	+0.00002	+0.00005	+0.027	0.600	P
13	1	Curr10X	10mA	+0.50000	+0.50005	+0.50006	+0.009	0.850	P
13	1	Curr10X	10mA	+1.00000	+1.00001	+0.99994	-0.068	1.100	P
13	1	Curr10X	100mA	-10.00000	-9.99820	-9.99771	+0.491	10.999	P
13	1	Curr10X	100mA	-5.00000	-5.00070	-5.00036	+0.343	8.500	P
13	1	Curr10X	100mA	+0.00000	+0.00015	+0.00031	+0.154	6.000	P
13	1	Curr10X	100mA	+5.00000	+5.00189	+5.00198	+0.087	8.501	P
13	1	Curr10X	100mA	+10.00000	+9.99965	+9.99963	-0.014	11.000	P
13	1	Curr10X	200mA	-20.00000	-19.99426	-19.99356	+0.698	21.997	P
13	1	Curr10X	200mA	-10.00000	-9.99421	-9.99384	+0.377	16.997	P
13	1	Curr10X	200mA	+0.00000	+0.00636	+0.00684	+0.477	12.003	P
13	1	Curr10X	200mA	+10.00000	+10.00893	+10.00894	+0.014	17.004	P
13	1	Curr10X	200mA	+20.00000	+20.00267	+20.00246	-0.211	22.001	P
14	2	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
14	2	Curr10X	100uA	-0.00500	-0.00500	-0.00500	-0.000	0.015	P
14	2	Curr10X	100uA	+0.00000	+0.00000	+0.00000	+0.000	0.012	P
14	2	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.014	P
14	2	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.001	0.017	P
14	2	Curr10X	1mA	-0.10000	-0.09998	-0.09998	+0.004	0.110	P
14	2	Curr10X	1mA	-0.05000	-0.05001	-0.05000	+0.001	0.085	P

14	2	Curr10X	1mA	+0.00000	+0.00000	+0.00000	+0.000	0.060	P
14	2	Curr10X	1mA	+0.05000	+0.05002	+0.05002	-0.000	0.085	P
14	2	Curr10X	1mA	+0.10000	+0.10000	+0.09999	-0.005	0.110	P
14	2	Curr10X	10mA	-1.00000	-0.99989	-0.99984	+0.050	1.100	P
14	2	Curr10X	10mA	-0.50000	-0.49993	-0.49993	-0.001	0.850	P
14	2	Curr10X	10mA	+0.00000	+0.00003	+0.00001	-0.019	0.600	P
14	2	Curr10X	10mA	+0.50000	+0.50004	+0.50003	-0.017	0.850	P
14	2	Curr10X	10mA	+1.00000	+1.00002	+1.00001	-0.015	1.100	P
14	2	Curr10X	100mA	-10.00000	-10.00053	-10.00011	+0.425	11.000	P
14	2	Curr10X	100mA	-5.00000	-4.99852	-4.99842	+0.102	8.499	P
14	2	Curr10X	100mA	+0.00000	+0.00027	+0.00019	-0.085	6.000	P
14	2	Curr10X	100mA	+5.00000	+4.99982	+4.99964	-0.176	8.500	P
14	2	Curr10X	100mA	+10.00000	+10.00176	+10.00144	-0.312	11.001	P
14	2	Curr10X	200mA	-20.00000	-19.99440	-19.99425	+0.153	21.997	P
14	2	Curr10X	200mA	-10.00000	-9.99687	-9.99657	+0.295	16.998	P
14	2	Curr10X	200mA	+0.00000	+0.00622	+0.00672	+0.503	12.003	P
14	2	Curr10X	200mA	+10.00000	+10.00488	+10.00484	-0.044	17.002	P
14	2	Curr10X	200mA	+20.00000	+20.00257	+20.00189	-0.676	22.001	P
15	3	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.001	0.017	P
15	3	Curr10X	100uA	-0.00500	-0.00500	-0.00500	-0.000	0.015	P
15	3	Curr10X	100uA	+0.00000	-0.00000	+0.00000	+0.000	0.012	P
15	3	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.015	P
15	3	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
15	3	Curr10X	1mA	-0.10000	-0.09999	-0.09999	+0.001	0.110	P
15	3	Curr10X	1mA	-0.05000	-0.04999	-0.04999	+0.002	0.085	P
15	3	Curr10X	1mA	+0.00000	+0.00000	+0.00000	-0.002	0.060	P
15	3	Curr10X	1mA	+0.05000	+0.05000	+0.05000	-0.003	0.085	P
15	3	Curr10X	1mA	+0.10000	+0.10000	+0.10000	+0.000	0.110	P
15	3	Curr10X	10mA	-1.00000	-0.99985	-0.99982	+0.030	1.100	P
15	3	Curr10X	10mA	-0.50000	-0.50006	-0.50007	-0.009	0.850	P
15	3	Curr10X	10mA	+0.00000	+0.00001	+0.00001	+0.006	0.600	P
15	3	Curr10X	10mA	+0.50000	+0.50015	+0.50015	-0.003	0.850	P
15	3	Curr10X	10mA	+1.00000	+1.00027	+1.00026	-0.013	1.100	P
15	3	Curr10X	100mA	-10.00000	-10.00016	-9.99954	+0.626	11.000	P
15	3	Curr10X	100mA	-5.00000	-5.00003	-5.00002	+0.005	8.500	P
15	3	Curr10X	100mA	+0.00000	-0.00017	+0.00007	+0.238	6.000	P
15	3	Curr10X	100mA	+5.00000	+5.00059	+5.00056	-0.034	8.500	P
15	3	Curr10X	100mA	+10.00000	+10.00073	+10.00090	+0.171	11.000	P
15	3	Curr10X	200mA	-20.00000	-19.99264	-19.99257	+0.066	21.996	P
15	3	Curr10X	200mA	-10.00000	-9.99283	-9.99311	-0.282	16.996	P
15	3	Curr10X	200mA	+0.00000	+0.00805	+0.00742	-0.631	12.004	P
15	3	Curr10X	200mA	+10.00000	+10.00634	+10.00603	-0.305	17.003	P
15	3	Curr10X	200mA	+20.00000	+20.00589	+20.00577	-0.125	22.003	P
16	4	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P

16	4	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.015	P
16	4	Curr10X	100uA	+0.00000	-0.00000	-0.00000	-0.000	0.012	P
16	4	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.014	P
16	4	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
16	4	Curr10X	1mA	-0.10000	-0.09999	-0.09999	+0.009	0.110	P
16	4	Curr10X	1mA	-0.05000	-0.04999	-0.04999	+0.003	0.085	P
16	4	Curr10X	1mA	+0.00000	+0.00001	+0.00001	+0.002	0.060	P
16	4	Curr10X	1mA	+0.05000	+0.05001	+0.05001	-0.001	0.085	P
16	4	Curr10X	1mA	+0.10000	+0.10002	+0.10002	-0.003	0.110	P
16	4	Curr10X	10mA	-1.00000	-1.00008	-1.00002	+0.064	1.100	P
16	4	Curr10X	10mA	-0.50000	-0.49997	-0.49995	+0.022	0.850	P
16	4	Curr10X	10mA	+0.00000	+0.00008	+0.00013	+0.044	0.600	P
16	4	Curr10X	10mA	+0.50000	+0.49991	+0.49986	-0.055	0.850	P
16	4	Curr10X	10mA	+1.00000	+1.00002	+0.99999	-0.037	1.100	P
16	4	Curr10X	100mA	-10.00000	-9.99939	-9.99879	+0.609	11.000	P
16	4	Curr10X	100mA	-5.00000	-5.00059	-5.00043	+0.164	8.500	P
16	4	Curr10X	100mA	+0.00000	+0.00088	+0.00071	-0.174	6.000	P
16	4	Curr10X	100mA	+5.00000	+4.99978	+4.99963	-0.156	8.500	P
16	4	Curr10X	100mA	+10.00000	+10.00172	+10.00117	-0.554	11.001	P
16	4	Curr10X	200mA	-20.00000	-19.99685	-19.99603	+0.824	21.998	P
16	4	Curr10X	200mA	-10.00000	-9.99405	-9.99359	+0.461	16.997	P
16	4	Curr10X	200mA	+0.00000	+0.00800	+0.00769	-0.318	12.004	P
16	4	Curr10X	200mA	+10.00000	+10.00492	+10.00433	-0.598	17.002	P
16	4	Curr10X	200mA	+20.00000	+20.00769	+20.00658	-1.112	22.004	P
17	5	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.001	0.017	P
17	5	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.015	P
17	5	Curr10X	100uA	+0.00000	+0.00000	-0.00000	-0.000	0.012	P
17	5	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.014	P
17	5	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
17	5	Curr10X	1mA	-0.10000	-0.09998	-0.09998	+0.006	0.110	P
17	5	Curr10X	1mA	-0.05000	-0.05000	-0.05000	+0.003	0.085	P
17	5	Curr10X	1mA	+0.00000	+0.00000	+0.00000	-0.002	0.060	P
17	5	Curr10X	1mA	+0.05000	+0.05001	+0.05001	-0.003	0.085	P
17	5	Curr10X	1mA	+0.10000	+0.10000	+0.09999	-0.005	0.110	P
17	5	Curr10X	10mA	-1.00000	-0.99994	-0.99987	+0.072	1.100	P
17	5	Curr10X	10mA	-0.50000	-0.49996	-0.49992	+0.034	0.850	P
17	5	Curr10X	10mA	+0.00000	+0.00000	+0.00000	-0.004	0.600	P
17	5	Curr10X	10mA	+0.50000	+0.50002	+0.50001	-0.017	0.850	P
17	5	Curr10X	10mA	+1.00000	+1.00005	+1.00005	+0.008	1.100	P
17	5	Curr10X	100mA	-10.00000	-10.00024	-9.99972	+0.528	11.000	P
17	5	Curr10X	100mA	-5.00000	-4.99980	-4.99991	-0.116	8.500	P
17	5	Curr10X	100mA	+0.00000	-0.00002	-0.00018	-0.155	6.000	P
17	5	Curr10X	100mA	+5.00000	+5.00058	+5.00045	-0.122	8.500	P
17	5	Curr10X	100mA	+10.00000	+10.00102	+10.00045	-0.568	11.001	P

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  17   5   Curr10X 200mA    -20.00000    -19.99721   -19.99697      +0.239      21.999     P
  17   5   Curr10X 200mA    -10.00000     -9.99774    -9.99804      -0.294      16.999     P
  17   5   Curr10X 200mA     +0.00000     -0.00032    -0.00051      -0.193      12.000     P
  17   5   Curr10X 200mA    +10.00000    +10.00478   +10.00458      -0.196      17.002     P
  17   5   Curr10X 200mA    +20.00000    +20.00370   +20.00372      +0.020      22.002     P
Last Calibration Date: 10/26/22 12:48.06
(10/26/22 12:52.30 - CAL REV:2015)  CHK STATUS: PASS

  Cal APU12 13:  SN    REV 41
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18	0	Voltage	10 V	+10.00000	+9.99979	-0.209	3.800	P	+9.99984	+0.046	3.800	P
18	0	Voltage	30 V	-30.00000	-29.99973	+0.270	11.500	P	-29.99994	-0.206	11.500	P
18	0	Voltage	30 V	-15.00000	-14.99985	+0.154	7.750	P	-14.99981	+0.036	7.750	P
18	0	Voltage	30 V	+0.00000	-0.00035	-0.354	4.000	P	-0.00029	+0.061	4.000	P
18	0	Voltage	30 V	+15.00000	+14.99950	-0.500	7.750	P	+14.99958	+0.084	7.750	P
18	0	Voltage	30 V	+30.00000	+29.99984	-0.165	11.500	P	+30.00002	+0.188	11.500	P
19	1	Voltage	3.6V	-3.60000	-3.59992	+0.081	1.350	P	-3.59995	-0.028	1.350	P
19	1	Voltage	3.6V	-1.80000	-1.79999	+0.012	0.900	P	-1.79994	+0.046	0.900	P
19	1	Voltage	3.6V	+0.00000	+0.00007	+0.067	0.450	P	+0.00007	+0.004	0.450	P
19	1	Voltage	3.6V	+1.80000	+1.79998	-0.025	0.900	P	+1.80002	+0.040	0.900	P
19	1	Voltage	3.6V	+3.60000	+3.59993	-0.073	1.350	P	+3.59996	+0.037	1.350	P
19	1	Voltage	10 V	-10.00000	-9.99970	+0.302	3.800	P	-9.99984	-0.147	3.800	P
19	1	Voltage	10 V	-5.00000	-4.99997	+0.028	2.550	P	-4.99998	-0.004	2.550	P
19	1	Voltage	10 V	+0.00000	+0.00015	+0.146	1.300	P	+0.00015	-0.000	1.300	P
19	1	Voltage	10 V	+5.00000	+5.00014	+0.137	2.550	P	+5.00010	-0.041	2.550	P
19	1	Voltage	10 V	+10.00000	+9.99995	-0.053	3.800	P	+10.00000	+0.057	3.800	P
19	1	Voltage	30 V	-30.00000	-29.99951	+0.489	11.500	P	-29.99953	-0.019	11.500	P
19	1	Voltage	30 V	-15.00000	-14.99964	+0.356	7.750	P	-14.99948	+0.160	7.750	P
19	1	Voltage	30 V	+0.00000	+0.00030	+0.298	4.000	P	+0.00040	+0.104	4.000	P
19	1	Voltage	30 V	+15.00000	+15.00007	+0.070	7.750	P	+15.00004	-0.026	7.750	P
19	1	Voltage	30 V	+30.00000	+29.99947	-0.532	11.500	P	+29.99954	+0.068	11.500	P
20	2	Voltage	3.6V	-3.60000	-3.59981	+0.193	1.350	P	-3.59981	-0.006	1.350	P

20	2	Voltage	3.6V	-1.80000	-1.79997	+0.027	0.900	P	-1.79992	+0.056	0.900 P
20	2	Voltage	3.6V	+0.00000	+0.00010	+0.103	0.450	P	+0.00009	-0.016	0.450 P
20	2	Voltage	3.6V	+1.80000	+1.79999	-0.012	0.900	P	+1.80001	+0.024	0.900 P
20	2	Voltage	3.6V	+3.60000	+3.59991	-0.093	1.350	P	+3.59997	+0.058	1.350 P
20	2	Voltage	10 V	-10.00000	-9.99977	+0.229	3.800	P	-9.99984	-0.069	3.800 P
20	2	Voltage	10 V	-5.00000	-4.99969	+0.309	2.550	P	-4.99965	+0.040	2.550 P
20	2	Voltage	10 V	+0.00000	-0.00007	-0.070	1.300	P	-0.00008	-0.007	1.300 P
20	2	Voltage	10 V	+5.00000	+4.99986	-0.139	2.550	P	+4.99987	+0.005	2.550 P
20	2	Voltage	10 V	+10.00000	+9.99991	-0.095	3.800	P	+9.99995	+0.044	3.800 P
20	2	Voltage	30 V	-30.00000	-29.99947	+0.527	11.500	P	-29.99962	-0.152	11.500 P
20	2	Voltage	30 V	-15.00000	-14.99951	+0.489	7.750	P	-14.99941	+0.100	7.750 P
20	2	Voltage	30 V	+0.00000	-0.00014	-0.140	4.000	P	-0.00013	+0.008	4.000 P
20	2	Voltage	30 V	+15.00000	+14.99939	-0.613	7.750	P	+14.99946	+0.069	7.750 P
20	2	Voltage	30 V	+30.00000	+29.99949	-0.509	11.500	P	+29.99967	+0.183	11.500 P
21	3	Voltage	3.6V	-3.60000	-3.59984	+0.161	1.350	P	-3.59988	-0.036	1.350 P
21	3	Voltage	3.6V	-1.80000	-1.80002	-0.016	0.900	P	-1.79995	+0.062	0.900 P
21	3	Voltage	3.6V	+0.00000	-0.00002	-0.015	0.450	P	-0.00000	+0.013	0.450 P
21	3	Voltage	3.6V	+1.80000	+1.79988	-0.118	0.900	P	+1.79993	+0.043	0.900 P
21	3	Voltage	3.6V	+3.60000	+3.59990	-0.095	1.350	P	+3.59995	+0.044	1.350 P
21	3	Voltage	10 V	-10.00000	-9.99972	+0.283	3.800	P	-9.99983	-0.114	3.800 P
21	3	Voltage	10 V	-5.00000	-4.99974	+0.260	2.550	P	-4.99969	+0.052	2.550 P
21	3	Voltage	10 V	+0.00000	+0.00017	+0.171	1.300	P	+0.00019	+0.023	1.300 P

21	3	Voltage	10 V	+5.00000	+5.00001	+0.006	2.550	P	+5.00002	+0.019	2.550 P
21	3	Voltage	10 V	+10.00000	+9.99971	-0.295	3.800	P	+9.99977	+0.061	3.800 P
21	3	Voltage	30 V	-30.00000	-29.99963	+0.375	11.500	P	-29.99975	-0.126	11.500 P
21	3	Voltage	30 V	-15.00000	-14.99915	+0.851	7.750	P	-14.99903	+0.114	7.750 P
21	3	Voltage	30 V	+0.00000	-0.00026	-0.264	4.000	P	-0.00012	+0.140	4.000 P
21	3	Voltage	30 V	+15.00000	+14.99986	-0.141	7.750	P	+14.99981	-0.051	7.750 P
21	3	Voltage	30 V	+30.00000	+29.99960	-0.396	11.500	P	+29.99961	+0.003	11.500 P
22	4	Voltage	3.6V	-3.60000	-3.59987	+0.128	1.350	P	-3.59989	-0.019	1.350 P
22	4	Voltage	3.6V	-1.80000	-1.80005	-0.046	0.900	P	-1.79996	+0.090	0.900 P
22	4	Voltage	3.6V	+0.00000	+0.00004	+0.044	0.450	P	+0.00007	+0.029	0.450 P
22	4	Voltage	3.6V	+1.80000	+1.79982	-0.175	0.900	P	+1.79989	+0.068	0.900 P
22	4	Voltage	3.6V	+3.60000	+3.59982	-0.183	1.350	P	+3.59986	+0.040	1.350 P
22	4	Voltage	10 V	-10.00000	-9.99976	+0.239	3.800	P	-9.99986	-0.102	3.800 P
22	4	Voltage	10 V	-5.00000	-4.99980	+0.205	2.550	P	-4.99971	+0.082	2.550 P
22	4	Voltage	10 V	+0.00000	-0.00014	-0.135	1.300	P	-0.00010	+0.036	1.300 P
22	4	Voltage	10 V	+5.00000	+4.99984	-0.155	2.550	P	+4.99983	-0.014	2.550 P
22	4	Voltage	10 V	+10.00000	+9.99962	-0.378	3.800	P	+9.99967	+0.053	3.800 P
22	4	Voltage	30 V	-30.00000	-29.99985	+0.153	11.500	P	-30.00006	-0.218	11.500 P
22	4	Voltage	30 V	-15.00000	-14.99992	+0.083	7.750	P	-14.99976	+0.156	7.750 P
22	4	Voltage	30 V	+0.00000	-0.00014	-0.138	4.000	P	-0.00005	+0.085	4.000 P
22	4	Voltage	30 V	+15.00000	+14.99968	-0.320	7.750	P	+14.99971	+0.033	7.750 P
22	4	Voltage	30 V	+30.00000	+29.99934	-0.660	11.500	P	+29.99936	+0.019	11.500 P

23	5	Voltage 3.6V	-3.60000	-3.59986	+0.136	1.350	P	-3.59991	-0.043	1.350	P
23	5	Voltage 3.6V	-1.80000	-1.79995	+0.051	0.900	P	-1.79985	+0.098	0.900	P
23	5	Voltage 3.6V	+0.00000	-0.00004	-0.045	0.450	P	-0.00003	+0.010	0.450	P
23	5	Voltage 3.6V	+1.80000	+1.79996	-0.036	0.900	P	+1.80003	+0.069	0.900	P
23	5	Voltage 3.6V	+3.60000	+3.59986	-0.136	1.350	P	+3.59991	+0.049	1.350	P
23	5	Voltage 10 V	-10.00000	-9.99963	+0.370	3.800	P	-9.99977	-0.135	3.800	P
23	5	Voltage 10 V	-5.00000	-4.99988	+0.120	2.550	P	-4.99979	+0.092	2.550	P
23	5	Voltage 10 V	+0.00000	+0.00011	+0.110	1.300	P	+0.00011	+0.003	1.300	P
23	5	Voltage 10 V	+5.00000	+5.00013	+0.132	2.550	P	+5.00010	-0.035	2.550	P
23	5	Voltage 10 V	+10.00000	+9.99988	-0.117	3.800	P	+9.99994	+0.056	3.800	P
23	5	Voltage 30 V	-30.00000	-29.99946	+0.542	11.500	P	-29.99987	-0.416	11.500	P
23	5	Voltage 30 V	-15.00000	-14.99921	+0.786	7.750	P	-14.99923	-0.014	7.750	P
23	5	Voltage 30 V	+0.00000	+0.00029	+0.288	4.000	P	+0.00040	+0.115	4.000	P
23	5	Voltage 30 V	+15.00000	+15.00028	+0.284	7.750	P	+15.00029	+0.003	7.750	P
23	5	Voltage 30 V	+30.00000	+29.99973	-0.272	11.500	P	+29.99978	+0.055	11.500	P

Current Common Mode 1X Section:

				Measure I 1x			
Pin	Chn	Desc	Force(V)	Exp(uA)	MI (uA)	Err(uA)	Limit(uA)	P/F
18	0	Cmr 1x 10uA	-30.000	+0.000	-0.0024	-0.0024	0.014	P
18	0	Cmr 1x 10uA	-15.000	+0.000	+0.0002	+0.0002	0.011	P
18	0	Cmr 1x 10uA	+0.000	+0.000	+0.0006	+0.0006	0.008	P
18	0	Cmr 1x 10uA	+15.000	+0.000	+0.0008	+0.0008	0.011	P
18	0	Cmr 1x 10uA	+30.000	+0.000	+0.0009	+0.0009	0.014	P
18	0	Cmr 1x 100uA	-30.000	+0.000	-0.0026	-0.0026	0.044	P
18	0	Cmr 1x 100uA	-15.000	+0.000	+0.0003	+0.0003	0.032	P
18	0	Cmr 1x 100uA	+0.000	+0.000	+0.0014	+0.0014	0.020	P
18	0	Cmr 1x 100uA	+15.000	+0.000	+0.0020	+0.0020	0.032	P

18	0	Cmr 1x	100uA	+30.000	+0.000	+0.0023	+0.0023	0.044	P
18	0	Cmr 1x	1mA	-30.000	+0.000	-0.0023	-0.0023	0.365	P
18	0	Cmr 1x	1mA	-15.000	+0.000	+0.0043	+0.0043	0.245	P
18	0	Cmr 1x	1mA	+0.000	+0.000	+0.0131	+0.0131	0.125	P
18	0	Cmr 1x	1mA	+15.000	+0.000	+0.0149	+0.0149	0.245	P
18	0	Cmr 1x	1mA	+30.000	+0.000	+0.0216	+0.0216	0.365	P
18	0	Cmr 1x	10mA	-30.000	+0.000	-0.0357	-0.0357	3.650	P
18	0	Cmr 1x	10mA	-15.000	+0.000	+0.0704	+0.0704	2.450	P
18	0	Cmr 1x	10mA	+0.000	+0.000	+0.0439	+0.0439	1.250	P
18	0	Cmr 1x	10mA	+15.000	+0.000	+0.1344	+0.1344	2.450	P
18	0	Cmr 1x	10mA	+30.000	+0.000	+0.1032	+0.1032	3.650	P
18	0	Cmr 1x	100mA	-30.000	+0.000	-0.2713	-0.2713	36.500	P
18	0	Cmr 1x	100mA	-15.000	+0.000	+0.1490	+0.1490	24.500	P
18	0	Cmr 1x	100mA	+0.000	+0.000	+0.8184	+0.8184	12.500	P
18	0	Cmr 1x	100mA	+15.000	+0.000	+1.7057	+1.7057	24.500	P
18	0	Cmr 1x	100mA	+30.000	+0.000	+1.7057	+1.7057	36.500	P
18	0	Cmr 1x	200mA	-10.000	+0.000	-1.0639	-1.0639	41.000	P
18	0	Cmr 1x	200mA	-5.000	+0.000	-0.4422	-0.4422	33.000	P
18	0	Cmr 1x	200mA	+0.000	+0.000	-1.5301	-1.5301	25.000	P
18	0	Cmr 1x	200mA	+5.000	+0.000	-1.6856	-1.6856	33.000	P
18	0	Cmr 1x	200mA	+10.000	+0.000	-2.4005	-2.4005	41.000	P
19	1	Cmr 1x	10uA	-30.000	+0.000	-0.0015	-0.0015	0.014	P
19	1	Cmr 1x	10uA	-15.000	+0.000	+0.0006	+0.0006	0.011	P
19	1	Cmr 1x	10uA	+0.000	+0.000	+0.0009	+0.0009	0.008	P
19	1	Cmr 1x	10uA	+15.000	+0.000	+0.0012	+0.0012	0.011	P
19	1	Cmr 1x	10uA	+30.000	+0.000	+0.0014	+0.0014	0.014	P
19	1	Cmr 1x	100uA	-30.000	+0.000	-0.0024	-0.0024	0.044	P
19	1	Cmr 1x	100uA	-15.000	+0.000	-0.0001	-0.0001	0.032	P
19	1	Cmr 1x	100uA	+0.000	+0.000	+0.0016	+0.0016	0.020	P
19	1	Cmr 1x	100uA	+15.000	+0.000	+0.0021	+0.0021	0.032	P
19	1	Cmr 1x	100uA	+30.000	+0.000	+0.0028	+0.0028	0.044	P
19	1	Cmr 1x	1mA	-30.000	+0.000	-0.0047	-0.0047	0.365	P
19	1	Cmr 1x	1mA	-15.000	+0.000	+0.0021	+0.0021	0.245	P
19	1	Cmr 1x	1mA	+0.000	+0.000	+0.0112	+0.0112	0.125	P
19	1	Cmr 1x	1mA	+15.000	+0.000	+0.0199	+0.0199	0.245	P
19	1	Cmr 1x	1mA	+30.000	+0.000	+0.0224	+0.0224	0.365	P
19	1	Cmr 1x	10mA	-30.000	+0.000	+0.0111	+0.0111	3.650	P
19	1	Cmr 1x	10mA	-15.000	+0.000	+0.0220	+0.0220	2.450	P
19	1	Cmr 1x	10mA	+0.000	+0.000	+0.1282	+0.1282	1.250	P
19	1	Cmr 1x	10mA	+15.000	+0.000	+0.1531	+0.1531	2.450	P
19	1	Cmr 1x	10mA	+30.000	+0.000	+0.2453	+0.2453	3.650	P
19	1	Cmr 1x	100mA	-30.000	+0.000	-0.5465	-0.5465	36.500	P
19	1	Cmr 1x	100mA	-15.000	+0.000	+0.2320	+0.2320	24.500	P
19	1	Cmr 1x	100mA	+0.000	+0.000	+0.6369	+0.6369	12.500	P

19	1	Cmr 1x 100mA	+15.000	+0.000	+1.5711	+1.5711	24.500	P
19	1	Cmr 1x 100mA	+30.000	+0.000	+2.3807	+2.3807	36.500	P
19	1	Cmr 1x 200mA	-10.000	+0.000	-1.2720	-1.2720	41.000	P
19	1	Cmr 1x 200mA	-5.000	+0.000	-1.9873	-1.9873	33.000	P
19	1	Cmr 1x 200mA	+0.000	+0.000	-1.6452	-1.6452	25.000	P
19	1	Cmr 1x 200mA	+5.000	+0.000	-1.6452	-1.6452	33.000	P
19	1	Cmr 1x 200mA	+10.000	+0.000	-2.6092	-2.6092	41.000	P
20	2	Cmr 1x 10uA	-30.000	+0.000	-0.0013	-0.0013	0.014	P
20	2	Cmr 1x 10uA	-15.000	+0.000	+0.0007	+0.0007	0.011	P
20	2	Cmr 1x 10uA	+0.000	+0.000	+0.0009	+0.0009	0.008	P
20	2	Cmr 1x 10uA	+15.000	+0.000	+0.0011	+0.0011	0.011	P
20	2	Cmr 1x 10uA	+30.000	+0.000	+0.0013	+0.0013	0.014	P
20	2	Cmr 1x 100uA	-30.000	+0.000	-0.0019	-0.0019	0.044	P
20	2	Cmr 1x 100uA	-15.000	+0.000	+0.0005	+0.0005	0.032	P
20	2	Cmr 1x 100uA	+0.000	+0.000	+0.0009	+0.0009	0.020	P
20	2	Cmr 1x 100uA	+15.000	+0.000	+0.0016	+0.0016	0.032	P
20	2	Cmr 1x 100uA	+30.000	+0.000	+0.0024	+0.0024	0.044	P
20	2	Cmr 1x 1mA	-30.000	+0.000	-0.0093	-0.0093	0.365	P
20	2	Cmr 1x 1mA	-15.000	+0.000	-0.0019	-0.0019	0.245	P
20	2	Cmr 1x 1mA	+0.000	+0.000	+0.0137	+0.0137	0.125	P
20	2	Cmr 1x 1mA	+15.000	+0.000	+0.0105	+0.0105	0.245	P
20	2	Cmr 1x 1mA	+30.000	+0.000	+0.0198	+0.0198	0.365	P
20	2	Cmr 1x 10mA	-30.000	+0.000	-0.0380	-0.0380	3.650	P
20	2	Cmr 1x 10mA	-15.000	+0.000	+0.0431	+0.0431	2.450	P
20	2	Cmr 1x 10mA	+0.000	+0.000	+0.1071	+0.1071	1.250	P
20	2	Cmr 1x 10mA	+15.000	+0.000	+0.1367	+0.1367	2.450	P
20	2	Cmr 1x 10mA	+30.000	+0.000	+0.1648	+0.1648	3.650	P
20	2	Cmr 1x 100mA	-30.000	+0.000	-0.4459	-0.4459	36.500	P
20	2	Cmr 1x 100mA	-15.000	+0.000	+0.0833	+0.0833	24.500	P
20	2	Cmr 1x 100mA	+0.000	+0.000	+0.9084	+0.9084	12.500	P
20	2	Cmr 1x 100mA	+15.000	+0.000	+1.0018	+1.0018	24.500	P
20	2	Cmr 1x 100mA	+30.000	+0.000	+1.4221	+1.4221	36.500	P
20	2	Cmr 1x 200mA	-10.000	+0.000	-0.8568	-0.8568	41.000	P
20	2	Cmr 1x 200mA	-5.000	+0.000	-0.9501	-0.9501	33.000	P
20	2	Cmr 1x 200mA	+0.000	+0.000	-1.2610	-1.2610	25.000	P
20	2	Cmr 1x 200mA	+5.000	+0.000	-1.3232	-1.3232	33.000	P
20	2	Cmr 1x 200mA	+10.000	+0.000	-1.8828	-1.8828	41.000	P
21	3	Cmr 1x 10uA	-30.000	+0.000	-0.0012	-0.0012	0.014	P
21	3	Cmr 1x 10uA	-15.000	+0.000	+0.0006	+0.0006	0.011	P
21	3	Cmr 1x 10uA	+0.000	+0.000	+0.0009	+0.0009	0.008	P
21	3	Cmr 1x 10uA	+15.000	+0.000	+0.0009	+0.0009	0.011	P
21	3	Cmr 1x 10uA	+30.000	+0.000	+0.0009	+0.0009	0.014	P
21	3	Cmr 1x 100uA	-30.000	+0.000	+0.0003	+0.0003	0.044	P
21	3	Cmr 1x 100uA	-15.000	+0.000	+0.0022	+0.0022	0.032	P

21	3	Cmr 1x 100uA	+0.000	+0.000	+0.0022	+0.0022	0.020	P
21	3	Cmr 1x 100uA	+15.000	+0.000	+0.0022	+0.0022	0.032	P
21	3	Cmr 1x 100uA	+30.000	+0.000	+0.0018	+0.0018	0.044	P
21	3	Cmr 1x 1mA	-30.000	+0.000	+0.0157	+0.0157	0.365	P
21	3	Cmr 1x 1mA	-15.000	+0.000	+0.0173	+0.0173	0.245	P
21	3	Cmr 1x 1mA	+0.000	+0.000	+0.0157	+0.0157	0.125	P
21	3	Cmr 1x 1mA	+15.000	+0.000	+0.0094	+0.0094	0.245	P
21	3	Cmr 1x 1mA	+30.000	+0.000	+0.0163	+0.0163	0.365	P
21	3	Cmr 1x 10mA	-30.000	+0.000	+0.1585	+0.1585	3.650	P
21	3	Cmr 1x 10mA	-15.000	+0.000	+0.1538	+0.1538	2.450	P
21	3	Cmr 1x 10mA	+0.000	+0.000	+0.1320	+0.1320	1.250	P
21	3	Cmr 1x 10mA	+15.000	+0.000	+0.1070	+0.1070	2.450	P
21	3	Cmr 1x 10mA	+30.000	+0.000	+0.0665	+0.0665	3.650	P
21	3	Cmr 1x 100mA	-30.000	+0.000	+1.4311	+1.4311	36.500	P
21	3	Cmr 1x 100mA	-15.000	+0.000	+1.6335	+1.6335	24.500	P
21	3	Cmr 1x 100mA	+0.000	+0.000	+1.0574	+1.0574	12.500	P
21	3	Cmr 1x 100mA	+15.000	+0.000	+0.9017	+0.9017	24.500	P
21	3	Cmr 1x 100mA	+30.000	+0.000	+0.7304	+0.7304	36.500	P
21	3	Cmr 1x 200mA	-10.000	+0.000	-0.0959	-0.0959	41.000	P
21	3	Cmr 1x 200mA	-5.000	+0.000	-1.4952	-1.4952	33.000	P
21	3	Cmr 1x 200mA	+0.000	+0.000	-2.3659	-2.3659	25.000	P
21	3	Cmr 1x 200mA	+5.000	+0.000	-2.7390	-2.7390	33.000	P
21	3	Cmr 1x 200mA	+10.000	+0.000	-2.9256	-2.9256	41.000	P
22	4	Cmr 1x 10uA	-30.000	+0.000	-0.0012	-0.0012	0.014	P
22	4	Cmr 1x 10uA	-15.000	+0.000	+0.0005	+0.0005	0.011	P
22	4	Cmr 1x 10uA	+0.000	+0.000	+0.0008	+0.0008	0.008	P
22	4	Cmr 1x 10uA	+15.000	+0.000	+0.0009	+0.0009	0.011	P
22	4	Cmr 1x 10uA	+30.000	+0.000	+0.0012	+0.0012	0.014	P
22	4	Cmr 1x 100uA	-30.000	+0.000	-0.0029	-0.0029	0.044	P
22	4	Cmr 1x 100uA	-15.000	+0.000	+0.0001	+0.0001	0.032	P
22	4	Cmr 1x 100uA	+0.000	+0.000	+0.0016	+0.0016	0.020	P
22	4	Cmr 1x 100uA	+15.000	+0.000	+0.0023	+0.0023	0.032	P
22	4	Cmr 1x 100uA	+30.000	+0.000	+0.0031	+0.0031	0.044	P
22	4	Cmr 1x 1mA	-30.000	+0.000	-0.0160	-0.0160	0.365	P
22	4	Cmr 1x 1mA	-15.000	+0.000	-0.0038	-0.0038	0.245	P
22	4	Cmr 1x 1mA	+0.000	+0.000	-0.0005	-0.0005	0.125	P
22	4	Cmr 1x 1mA	+15.000	+0.000	+0.0105	+0.0105	0.245	P
22	4	Cmr 1x 1mA	+30.000	+0.000	+0.0185	+0.0185	0.365	P
22	4	Cmr 1x 10mA	-30.000	+0.000	-0.1454	-0.1454	3.650	P
22	4	Cmr 1x 10mA	-15.000	+0.000	-0.0205	-0.0205	2.450	P
22	4	Cmr 1x 10mA	+0.000	+0.000	+0.0887	+0.0887	1.250	P
22	4	Cmr 1x 10mA	+15.000	+0.000	+0.0996	+0.0996	2.450	P
22	4	Cmr 1x 10mA	+30.000	+0.000	+0.2447	+0.2447	3.650	P
22	4	Cmr 1x 100mA	-30.000	+0.000	-1.3233	-1.3233	36.500	P

22	4	Cmr 1x 100mA	-15.000	+0.000	-0.7628	-0.7628	24.500	P
22	4	Cmr 1x 100mA	+0.000	+0.000	-0.0311	-0.0311	12.500	P
22	4	Cmr 1x 100mA	+15.000	+0.000	+1.4013	+1.4013	24.500	P
22	4	Cmr 1x 100mA	+30.000	+0.000	+2.5846	+2.5846	36.500	P
22	4	Cmr 1x 200mA	-10.000	+0.000	-2.6605	-2.6605	41.000	P
22	4	Cmr 1x 200mA	-5.000	+0.000	-2.5050	-2.5050	33.000	P
22	4	Cmr 1x 200mA	+0.000	+0.000	-2.9714	-2.9714	25.000	P
22	4	Cmr 1x 200mA	+5.000	+0.000	-2.2562	-2.2562	33.000	P
22	4	Cmr 1x 200mA	+10.000	+0.000	-2.7848	-2.7848	41.000	P
23	5	Cmr 1x 10uA	-30.000	+0.000	-0.0011	-0.0011	0.014	P
23	5	Cmr 1x 10uA	-15.000	+0.000	+0.0005	+0.0005	0.011	P
23	5	Cmr 1x 10uA	+0.000	+0.000	+0.0007	+0.0007	0.008	P
23	5	Cmr 1x 10uA	+15.000	+0.000	+0.0008	+0.0008	0.011	P
23	5	Cmr 1x 10uA	+30.000	+0.000	+0.0009	+0.0009	0.014	P
23	5	Cmr 1x 100uA	-30.000	+0.000	-0.0014	-0.0014	0.044	P
23	5	Cmr 1x 100uA	-15.000	+0.000	+0.0009	+0.0009	0.032	P
23	5	Cmr 1x 100uA	+0.000	+0.000	+0.0009	+0.0009	0.020	P
23	5	Cmr 1x 100uA	+15.000	+0.000	+0.0010	+0.0010	0.032	P
23	5	Cmr 1x 100uA	+30.000	+0.000	+0.0016	+0.0016	0.044	P
23	5	Cmr 1x 1mA	-30.000	+0.000	-0.0016	-0.0016	0.365	P
23	5	Cmr 1x 1mA	-15.000	+0.000	+0.0030	+0.0030	0.245	P
23	5	Cmr 1x 1mA	+0.000	+0.000	+0.0010	+0.0010	0.125	P
23	5	Cmr 1x 1mA	+15.000	+0.000	+0.0046	+0.0046	0.245	P
23	5	Cmr 1x 1mA	+30.000	+0.000	+0.0027	+0.0027	0.365	P
23	5	Cmr 1x 10mA	-30.000	+0.000	-0.0287	-0.0287	3.650	P
23	5	Cmr 1x 10mA	-15.000	+0.000	+0.0025	+0.0025	2.450	P
23	5	Cmr 1x 10mA	+0.000	+0.000	+0.0228	+0.0228	1.250	P
23	5	Cmr 1x 10mA	+15.000	+0.000	+0.0744	+0.0744	2.450	P
23	5	Cmr 1x 10mA	+30.000	+0.000	+0.0057	+0.0057	3.650	P
23	5	Cmr 1x 100mA	-30.000	+0.000	-0.5016	-0.5016	36.500	P
23	5	Cmr 1x 100mA	-15.000	+0.000	+0.0122	+0.0122	24.500	P
23	5	Cmr 1x 100mA	+0.000	+0.000	+0.2146	+0.2146	12.500	P
23	5	Cmr 1x 100mA	+15.000	+0.000	-0.4082	-0.4082	24.500	P
23	5	Cmr 1x 100mA	+30.000	+0.000	+0.2457	+0.2457	36.500	P
23	5	Cmr 1x 200mA	-10.000	+0.000	-3.4662	-3.4662	41.000	P
23	5	Cmr 1x 200mA	-5.000	+0.000	-3.6528	-3.6528	33.000	P
23	5	Cmr 1x 200mA	+0.000	+0.000	-4.1503	-4.1503	25.000	P
23	5	Cmr 1x 200mA	+5.000	+0.000	-4.4612	-4.4612	33.000	P
23	5	Cmr 1x 200mA	+10.000	+0.000	-6.2956	-6.2956	41.000	P

Current Common Mode 10X Section:

				Measure I 10x				
Pin	Chn	Desc	FV Diff(V)	Exp(uA)	MI Diff(uA)	Err(uA)	Limit(uA)	P/F
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18	0	Cmr 10x 100uA	+60.000	+0.000	+0.0002	+0.0002	0.024	P
18	0	Cmr 10x 1mA	+60.000	+0.000	+0.0009	+0.0009	0.240	P
18	0	Cmr 10x 10mA	+60.000	+0.000	-0.0058	-0.0058	2.400	P
18	0	Cmr 10x 100mA	+60.000	+0.000	-0.0333	-0.0333	24.000	P
18	0	Cmr 10x 200mA	+20.000	+0.000	-0.0666	-0.0666	16.000	P
19	1	Cmr 10x 100uA	+60.000	+0.000	-0.0002	-0.0002	0.024	P
19	1	Cmr 10x 1mA	+60.000	+0.000	-0.0014	-0.0014	0.240	P
19	1	Cmr 10x 10mA	+60.000	+0.000	-0.0164	-0.0164	2.400	P
19	1	Cmr 10x 100mA	+60.000	+0.000	-0.1218	-0.1218	24.000	P
19	1	Cmr 10x 200mA	+20.000	+0.000	-0.1094	-0.1094	16.000	P
20	2	Cmr 10x 100uA	+60.000	+0.000	-0.0001	-0.0001	0.024	P
20	2	Cmr 10x 1mA	+60.000	+0.000	-0.0015	-0.0015	0.240	P
20	2	Cmr 10x 10mA	+60.000	+0.000	-0.0107	-0.0107	2.400	P
20	2	Cmr 10x 100mA	+60.000	+0.000	-0.1126	-0.1126	24.000	P
20	2	Cmr 10x 200mA	+20.000	+0.000	-0.1568	-0.1568	16.000	P
21	3	Cmr 10x 100uA	+60.000	+0.000	-0.0001	-0.0001	0.024	P
21	3	Cmr 10x 1mA	+60.000	+0.000	-0.0008	-0.0008	0.240	P
21	3	Cmr 10x 10mA	+60.000	+0.000	-0.0086	-0.0086	2.400	P
21	3	Cmr 10x 100mA	+60.000	+0.000	-0.0977	-0.0977	24.000	P
21	3	Cmr 10x 200mA	+20.000	+0.000	-0.0948	-0.0948	16.000	P
22	4	Cmr 10x 100uA	+60.000	+0.000	-0.0001	-0.0001	0.024	P
22	4	Cmr 10x 1mA	+60.000	+0.000	-0.0002	-0.0002	0.240	P
22	4	Cmr 10x 10mA	+60.000	+0.000	-0.0051	-0.0051	2.400	P
22	4	Cmr 10x 100mA	+60.000	+0.000	-0.0927	-0.0927	24.000	P
22	4	Cmr 10x 200mA	+20.000	+0.000	-0.0767	-0.0767	16.000	P
23	5	Cmr 10x 100uA	+60.000	+0.000	-0.0003	-0.0003	0.024	P
23	5	Cmr 10x 1mA	+60.000	+0.000	-0.0007	-0.0007	0.240	P
23	5	Cmr 10x 10mA	+60.000	+0.000	-0.0090	-0.0090	2.400	P
23	5	Cmr 10x 100mA	+60.000	+0.000	-0.0993	-0.0993	24.000	P
23	5	Cmr 10x 200mA	+20.000	+0.000	-0.0082	-0.0082	16.000	P

Current Force/Measure Section:

			Force I					Measure I			
Pin	Chn	Desc	Expect(mA)	DMM(mA)	Err(uA)	FI Lim(uA)	P/F	MI(mA)	Err(uA)	MI Lim(uA)	P/F
18	0	Current 10uA	-0.01000	-0.01000	+0.001	0.013	P	-0.01000	-0.000	0.013	P
18	0	Current 10uA	-0.00500	-0.00500	+0.000	0.010	P	-0.00500	-0.000	0.010	P
18	0	Current 10uA	+0.00000	+0.00000	+0.000	0.008	P	-0.00000	-0.000	0.008	P
18	0	Current 10uA	+0.00500	+0.00500	-0.000	0.010	P	+0.00500	-0.000	0.010	P

18 0 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 +0.000 0.013 P
18 0 Current 100uA -0.10000 -0.10000 +0.004 0.070 P -0.10000 -0.001 0.070 P
18 0 Current 100uA -0.05000 -0.05000 -0.000 0.045 P -0.05000 -0.000 0.045 P
18 0 Current 100uA +0.00000 -0.00000 -0.000 0.020 P -0.00000 -0.000 0.020 P
18 0 Current 100uA +0.05000 +0.05000 -0.000 0.045 P +0.05000 +0.000 0.045 P
18 0 Current 100uA +0.10000 +0.10000 -0.001 0.070 P +0.10000 -0.000 0.070 P
18 0 Current 1mA -1.00000 -0.99999 +0.014 0.625 P -0.99999 -0.002 0.625 P
18 0 Current 1mA -0.50000 -0.49997 +0.028 0.375 P -0.49997 -0.002 0.375 P
18 0 Current 1mA +0.00000 -0.00001 -0.006 0.125 P -0.00001 -0.006 0.125 P
18 0 Current 1mA +0.50000 +0.49999 -0.013 0.375 P +0.49999 +0.004 0.375 P
18 0 Current 1mA +1.00000 +0.99997 -0.025 0.625 P +0.99997 -0.000 0.625 P
18 0 Current 10mA -10.00000 -9.99987 +0.128 6.250 P -9.99993 -0.061 6.250 P
18 0 Current 10mA -5.00000 -4.99972 +0.284 3.750 P -4.99978 -0.063 3.750 P
18 0 Current 10mA +0.00000 -0.00007 -0.068 1.250 P -0.00008 -0.013 1.250 P
18 0 Current 10mA +5.00000 +4.99991 -0.095 3.750 P +4.99987 -0.037 3.750 P
18 0 Current 10mA +10.00000 +9.99975 -0.255 6.250 P +9.99974 -0.003 6.250 P
18 0 Current 100mA -100.00000 -100.00284 -2.844 62.500 P -100.00037 +2.475 62.501 P
18 0 Current 100mA -50.00000 -49.99601 +3.995 37.500 P -49.99770 -1.696 37.498 P
18 0 Current 100mA +0.00000 -0.00053 -0.534 12.500 P -0.00050 +0.029 12.500 P
18 0 Current 100mA +50.00000 +49.99674 -3.259 37.500 P +49.99943 +2.685 37.498 P
18 0 Current 100mA +100.00000 +100.00153 +1.525 62.500 P +99.99709 -4.432 62.501 P
18 0 Current 200mA -200.00000 -199.99956 +0.437 125.000 P -199.99395 +5.614 125.000 P

18 0 Current 200mA -100.00000 -99.98747 +12.530 75.000 P -99.99393 -6.457 74.994 P
18 0 Current 200mA +0.00000 +0.00494 +4.943 25.000 P +0.00372 -1.220 25.002 P
18 0 Current 200mA +100.00000 +99.99777 -2.230 75.000 P +100.00323 +5.456 74.999 P
18 0 Current 200mA +200.00000 +200.00767 +7.670 125.000 P +199.99927 -8.402 125.004 P
19 1 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 -0.000 0.013 P
19 1 Current 10uA -0.00500 -0.00500 +0.000 0.010 P -0.00500 -0.000 0.010 P
19 1 Current 10uA +0.00000 -0.00000 -0.000 0.008 P -0.00000 +0.000 0.008 P
19 1 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 +0.000 0.010 P
19 1 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 +0.000 0.013 P
19 1 Current 100uA -0.10000 -0.10000 +0.002 0.070 P -0.10000 -0.001 0.070 P
19 1 Current 100uA -0.05000 -0.05000 -0.000 0.045 P -0.05000 -0.000 0.045 P
19 1 Current 100uA +0.00000 +0.00000 +0.000 0.020 P +0.00000 +0.000 0.020 P
19 1 Current 100uA +0.05000 +0.05000 -0.001 0.045 P +0.05000 +0.000 0.045 P
19 1 Current 100uA +0.10000 +0.10000 -0.002 0.070 P +0.10000 +0.001 0.070 P
19 1 Current 1mA -1.00000 -0.99996 +0.042 0.625 P -0.99997 -0.011 0.625 P
19 1 Current 1mA -0.50000 -0.49997 +0.028 0.375 P -0.49997 -0.002 0.375 P
19 1 Current 1mA +0.00000 +0.00001 +0.009 0.125 P +0.00001 +0.002 0.125 P
19 1 Current 1mA +0.50000 +0.50000 +0.000 0.375 P +0.50000 +0.003 0.375 P
19 1 Current 1mA +1.00000 +0.99999 -0.011 0.625 P +0.99999 +0.005 0.625 P
19 1 Current 10mA -10.00000 -9.99981 +0.190 6.250 P -9.99983 -0.016 6.250 P
19 1 Current 10mA -5.00000 -4.99997 +0.027 3.750 P -5.00001 -0.035 3.750 P
19 1 Current 10mA +0.00000 +0.00009 +0.087 1.250 P +0.00010 +0.013 1.250 P

19 1 Current 10mA +5.00000 +5.00001 +0.011 3.750 P +5.00002 +0.010 3.750 P
19 1 Current 10mA +10.00000 +9.99985 -0.147 6.250 P +9.99989 +0.038 6.250 P
19 1 Current 100mA -100.00000 -99.99774 +2.263 62.500 P -99.99832 -0.582 62.499 P
19 1 Current 100mA -50.00000 -49.99937 +0.629 37.500 P -49.99955 -0.180 37.500 P
19 1 Current 100mA +0.00000 +0.00068 +0.684 12.500 P +0.00103 +0.343 12.500 P
19 1 Current 100mA +50.00000 +49.99897 -1.027 37.500 P +49.99977 +0.797 37.499 P
19 1 Current 100mA +100.00000 +99.99818 -1.820 62.500 P +99.99758 -0.597 62.499 P
19 1 Current 200mA -200.00000 -200.00240 -2.402 125.000 P -199.99970 +2.704 125.001 P
19 1 Current 200mA -100.00000 -99.99635 +3.649 75.000 P -99.99780 -1.446 74.998 P
19 1 Current 200mA +0.00000 +0.00380 +3.799 25.000 P +0.00364 -0.157 25.002 P
19 1 Current 200mA +100.00000 +100.00258 +2.576 75.000 P +100.00337 +0.798 75.001 P
19 1 Current 200mA +200.00000 +199.99608 -3.916 125.000 P +199.99487 -1.214 124.998 P
20 2 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 -0.000 0.013 P
20 2 Current 10uA -0.00500 -0.00500 -0.000 0.010 P -0.00500 +0.000 0.011 P
20 2 Current 10uA +0.00000 +0.00000 +0.000 0.008 P +0.00000 -0.000 0.008 P
20 2 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 +0.000 0.010 P
20 2 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 -0.000 0.013 P
20 2 Current 100uA -0.10000 -0.10000 +0.001 0.070 P -0.10000 -0.001 0.070 P
20 2 Current 100uA -0.05000 -0.05000 +0.002 0.045 P -0.05000 -0.000 0.045 P
20 2 Current 100uA +0.00000 +0.00000 +0.001 0.020 P +0.00000 +0.000 0.020 P
20 2 Current 100uA +0.05000 +0.05000 -0.003 0.045 P +0.05000 +0.001 0.045 P
20 2 Current 100uA +0.10000 +0.10000 +0.000 0.070 P +0.10000 -0.000 0.070 P

20	2	Current	1mA	-1.00000	-0.99997	+0.026	0.625	P	-0.99997	+0.003	0.625	P
20	2	Current	1mA	-0.50000	-0.49999	+0.008	0.375	P	-0.49998	+0.010	0.375	P
20	2	Current	1mA	+0.00000	+0.00001	+0.011	0.125	P	+0.00001	+0.003	0.125	P
20	2	Current	1mA	+0.50000	+0.49998	-0.019	0.375	P	+0.49998	+0.002	0.375	P
20	2	Current	1mA	+1.00000	+0.99999	-0.014	0.625	P	+0.99999	+0.004	0.625	P
20	2	Current	10mA	-10.00000	-9.99987	+0.129	6.250	P	-9.99986	+0.010	6.250	P
20	2	Current	10mA	-5.00000	-4.99994	+0.063	3.750	P	-4.99997	-0.037	3.750	P
20	2	Current	10mA	+0.00000	+0.00013	+0.129	1.250	P	+0.00010	-0.032	1.250	P
20	2	Current	10mA	+5.00000	+4.99989	-0.114	3.750	P	+4.99993	+0.045	3.750	P
20	2	Current	10mA	+10.00000	+9.99974	-0.255	6.250	P	+9.99977	+0.024	6.250	P
20	2	Current	100mA	-100.00000	-99.99768	+2.319	62.500	P	-99.99731	+0.368	62.499	P
20	2	Current	100mA	-50.00000	-49.99742	+2.575	37.500	P	-49.99757	-0.146	37.499	P
20	2	Current	100mA	+0.00000	+0.00095	+0.955	12.500	P	+0.00091	-0.046	12.500	P
20	2	Current	100mA	+50.00000	+49.99925	-0.752	37.500	P	+49.99960	+0.355	37.500	P
20	2	Current	100mA	+100.00000	+99.99909	-0.911	62.500	P	+99.99864	-0.451	62.500	P
20	2	Current	200mA	-200.00000	-199.99956	+0.437	125.000	P	-199.99878	+0.782	125.000	P
20	2	Current	200mA	-100.00000	-99.99727	+2.733	75.000	P	-99.99646	+0.806	74.999	P
20	2	Current	200mA	+0.00000	+0.00659	+6.591	25.000	P	+0.00486	-1.727	25.003	P
20	2	Current	200mA	+100.00000	+99.99626	-3.742	75.000	P	+99.99978	+3.527	74.998	P
20	2	Current	200mA	+200.00000	+199.99975	-0.250	125.000	P	+200.00033	+0.582	125.000	P
21	3	Current	10uA	-0.01000	-0.01000	+0.000	0.013	P	-0.01000	-0.000	0.013	P
21	3	Current	10uA	-0.00500	-0.00500	+0.000	0.010	P	-0.00500	+0.000	0.010	P

21	3	Current	10uA	+0.00000	-0.00000	-0.000	0.008	P	-0.00000	-0.000	0.008 P
21	3	Current	10uA	+0.00500	+0.00500	-0.000	0.010	P	+0.00500	+0.000	0.010 P
21	3	Current	10uA	+0.01000	+0.01000	-0.000	0.013	P	+0.01000	-0.000	0.013 P
21	3	Current	100uA	-0.10000	-0.10000	+0.002	0.070	P	-0.10000	+0.000	0.070 P
21	3	Current	100uA	-0.05000	-0.05000	+0.000	0.045	P	-0.05000	+0.000	0.045 P
21	3	Current	100uA	+0.00000	-0.00000	-0.002	0.020	P	-0.00000	+0.000	0.020 P
21	3	Current	100uA	+0.05000	+0.05000	+0.000	0.045	P	+0.05000	+0.001	0.045 P
21	3	Current	100uA	+0.10000	+0.10000	-0.003	0.070	P	+0.10000	+0.001	0.070 P
21	3	Current	1mA	-1.00000	-1.00000	+0.000	0.625	P	-1.00000	-0.000	0.625 P
21	3	Current	1mA	-0.50000	-0.49998	+0.023	0.375	P	-0.49998	-0.000	0.375 P
21	3	Current	1mA	+0.00000	-0.00001	-0.014	0.125	P	-0.00001	-0.001	0.125 P
21	3	Current	1mA	+0.50000	+0.49998	-0.017	0.375	P	+0.49999	+0.002	0.375 P
21	3	Current	1mA	+1.00000	+1.00000	+0.003	0.625	P	+0.99999	-0.009	0.625 P
21	3	Current	10mA	-10.00000	-9.99976	+0.244	6.250	P	-9.99978	-0.023	6.250 P
21	3	Current	10mA	-5.00000	-4.99991	+0.088	3.750	P	-4.99994	-0.028	3.750 P
21	3	Current	10mA	+0.00000	+0.00021	+0.206	1.250	P	+0.00018	-0.029	1.250 P
21	3	Current	10mA	+5.00000	+5.00004	+0.039	3.750	P	+5.00003	-0.005	3.750 P
21	3	Current	10mA	+10.00000	+9.99976	-0.241	6.250	P	+9.99973	-0.028	6.250 P
21	3	Current	100mA	-100.00000	-99.99789	+2.111	62.500	P	-99.99754	+0.347	62.499 P
21	3	Current	100mA	-50.00000	-49.99770	+2.302	37.500	P	-49.99812	-0.417	37.499 P
21	3	Current	100mA	+0.00000	+0.00163	+1.626	12.500	P	+0.00187	+0.241	12.501 P
21	3	Current	100mA	+50.00000	+49.99826	-1.743	37.500	P	+49.99893	+0.677	37.499 P

21 3 Current 100mA +100.00000 +100.00068 +0.676 62.500 P +99.99964 -1.035 62.500 P
21 3 Current 200mA -200.00000 -199.99971 +0.295 125.000 P -199.99667 +3.031 125.000 P
21 3 Current 200mA -100.00000 -99.99562 +4.383 75.000 P -99.99649 -0.874 74.998 P
21 3 Current 200mA +0.00000 +0.00114 +1.144 25.000 P +0.00037 -0.774 25.001 P
21 3 Current 200mA +100.00000 +99.99621 -3.787 75.000 P +99.99739 +1.182 74.998 P
21 3 Current 200mA +200.00000 +199.99938 -0.623 125.000 P +199.99722 -2.153 125.000 P
22 4 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 -0.000 0.013 P
22 4 Current 10uA -0.00500 -0.00500 +0.000 0.010 P -0.00500 -0.000 0.010 P
22 4 Current 10uA +0.00000 -0.00000 -0.000 0.008 P -0.00000 -0.000 0.008 P
22 4 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 +0.000 0.010 P
22 4 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 -0.000 0.013 P
22 4 Current 100uA -0.10000 -0.10000 +0.002 0.070 P -0.10000 +0.000 0.070 P
22 4 Current 100uA -0.05000 -0.05000 +0.002 0.045 P -0.05000 -0.000 0.045 P
22 4 Current 100uA +0.00000 -0.00000 -0.000 0.020 P +0.00000 +0.000 0.020 P
22 4 Current 100uA +0.05000 +0.05000 -0.001 0.045 P +0.05000 +0.000 0.045 P
22 4 Current 100uA +0.10000 +0.10000 -0.001 0.070 P +0.10000 +0.000 0.070 P
22 4 Current 1mA -1.00000 -0.99998 +0.019 0.625 P -0.99999 -0.006 0.625 P
22 4 Current 1mA -0.50000 -0.49997 +0.028 0.375 P -0.49998 -0.006 0.375 P
22 4 Current 1mA +0.00000 -0.00000 -0.002 0.125 P -0.00000 +0.000 0.125 P
22 4 Current 1mA +0.50000 +0.49998 -0.020 0.375 P +0.49998 -0.002 0.375 P
22 4 Current 1mA +1.00000 +1.00000 +0.000 0.625 P +1.00000 -0.004 0.625 P
22 4 Current 10mA -10.00000 -9.99971 +0.286 6.250 P -9.99970 +0.012 6.250 P

22 4 Current 10mA -5.00000 -4.99993 +0.075 3.750 P -4.99990 +0.024 3.750 P
22 4 Current 10mA +0.00000 +0.00004 +0.038 1.250 P +0.00002 -0.023 1.250 P
22 4 Current 10mA +5.00000 +4.99977 -0.226 3.750 P +4.99980 +0.029 3.750 P
22 4 Current 10mA +10.00000 +9.99991 -0.092 6.250 P +9.99984 -0.067 6.250 P
22 4 Current 100mA -100.00000 -99.99955 +0.449 62.500 P -99.99975 -0.200 62.500 P
22 4 Current 100mA -50.00000 -49.99695 +3.048 37.500 P -49.99766 -0.708 37.498 P
22 4 Current 100mA +0.00000 +0.00022 +0.222 12.500 P +0.00042 +0.198 12.500 P
22 4 Current 100mA +50.00000 +49.99764 -2.363 37.500 P +49.99846 +0.822 37.499 P
22 4 Current 100mA +100.00000 +100.00042 +0.422 62.500 P +99.99959 -0.836 62.500 P
22 4 Current 200mA -200.00000 -200.00103 -1.031 125.000 P -199.99775 +3.284 125.001 P
22 4 Current 200mA -100.00000 -99.99932 +0.676 75.000 P -99.99857 +0.757 75.000 P
22 4 Current 200mA +0.00000 +0.00352 +3.524 25.000 P +0.00337 -0.152 25.002 P
22 4 Current 200mA +100.00000 +100.00001 +0.009 75.000 P +100.00119 +1.186 75.000 P
22 4 Current 200mA +200.00000 +199.99270 -7.299 125.000 P +199.99325 +0.554 124.996 P
23 5 Current 10uA -0.01000 -0.01000 +0.000 0.013 P -0.01000 -0.000 0.013 P
23 5 Current 10uA -0.00500 -0.00500 +0.000 0.010 P -0.00500 -0.000 0.010 P
23 5 Current 10uA +0.00000 -0.00000 -0.000 0.008 P -0.00000 -0.000 0.008 P
23 5 Current 10uA +0.00500 +0.00500 -0.000 0.010 P +0.00500 +0.000 0.010 P
23 5 Current 10uA +0.01000 +0.01000 -0.000 0.013 P +0.01000 -0.000 0.013 P
23 5 Current 100uA -0.10000 -0.10000 +0.003 0.070 P -0.10000 -0.000 0.070 P
23 5 Current 100uA -0.05000 -0.05000 +0.003 0.045 P -0.05000 +0.000 0.045 P
23 5 Current 100uA +0.00000 -0.00000 -0.000 0.020 P -0.00000 +0.000 0.020 P

23 5 Current 100uA +0.05000 +0.05000 -0.003 0.045 P +0.05000 +0.000 0.045 P
23 5 Current 100uA +0.10000 +0.10000 +0.001 0.070 P +0.10000 -0.001 0.070 P
23 5 Current 1mA -1.00000 -0.99997 +0.029 0.625 P -0.99998 -0.005 0.625 P
23 5 Current 1mA -0.50000 -0.49999 +0.015 0.375 P -0.49998 +0.001 0.375 P
23 5 Current 1mA +0.00000 +0.00000 +0.005 0.125 P -0.00000 -0.006 0.125 P
23 5 Current 1mA +0.50000 +0.49999 -0.006 0.375 P +0.49999 -0.004 0.375 P
23 5 Current 1mA +1.00000 +0.99998 -0.022 0.625 P +0.99996 -0.013 0.625 P
23 5 Current 10mA -10.00000 -9.99978 +0.223 6.250 P -9.99983 -0.053 6.250 P
23 5 Current 10mA -5.00000 -4.99967 +0.329 3.750 P -4.99973 -0.061 3.750 P
23 5 Current 10mA +0.00000 +0.00007 +0.067 1.250 P +0.00008 +0.010 1.250 P
23 5 Current 10mA +5.00000 +5.00012 +0.123 3.750 P +5.00010 -0.024 3.750 P
23 5 Current 10mA +10.00000 +9.99983 -0.172 6.250 P +9.99982 -0.012 6.250 P
23 5 Current 100mA -100.00000 -99.99964 +0.356 62.500 P -99.99918 +0.461 62.500 P
23 5 Current 100mA -50.00000 -49.99753 +2.475 37.500 P -49.99809 -0.566 37.499 P
23 5 Current 100mA +0.00000 +0.00036 +0.356 12.500 P +0.00035 -0.001 12.500 P
23 5 Current 100mA +50.00000 +49.99853 -1.471 37.500 P +49.99806 -0.473 37.499 P
23 5 Current 100mA +100.00000 +99.99927 -0.729 62.500 P +99.99877 -0.506 62.500 P
23 5 Current 200mA -200.00000 -199.99701 +2.992 125.000 P -199.99560 +1.405 124.999 P
23 5 Current 200mA -100.00000 -99.99374 +6.261 75.000 P -99.99707 -3.335 74.997 P
23 5 Current 200mA +0.00000 +0.00604 +6.042 25.000 P +0.00253 -3.507 25.003 P
23 5 Current 200mA +100.00000 +100.00106 +1.063 75.000 P +100.00316 +2.100 75.001 P
23 5 Current 200mA +200.00000 +199.99929 -0.712 125.000 P +199.99968 +0.392 125.000 P

Current Measure 10X Section:

|---------- Measure I 10X ----------|

Pin	Chn	Desc	Expect(mA)	DMM(mA)	MI(mA)	Err(uA)	MI Lim(uA)	P/F
18	0	Curr10X 100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
18	0	Curr10X 100uA	-0.00500	-0.00500	-0.00500	+0.000	0.014	P
18	0	Curr10X 100uA	+0.00000	-0.00000	+0.00000	+0.000	0.012	P
18	0	Curr10X 100uA	+0.00500	+0.00500	+0.00500	+0.000	0.015	P
18	0	Curr10X 100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
18	0	Curr10X 1mA	-0.10000	-0.09999	-0.09999	+0.001	0.110	P
18	0	Curr10X 1mA	-0.05000	-0.05000	-0.05000	-0.001	0.085	P
18	0	Curr10X 1mA	+0.00000	-0.00001	-0.00001	-0.002	0.060	P
18	0	Curr10X 1mA	+0.05000	+0.05000	+0.05000	-0.002	0.085	P
18	0	Curr10X 1mA	+0.10000	+0.09999	+0.09999	-0.000	0.110	P
18	0	Curr10X 10mA	-1.00000	-0.99976	-0.99974	+0.020	1.100	P
18	0	Curr10X 10mA	-0.50000	-0.50008	-0.50007	+0.009	0.850	P
18	0	Curr10X 10mA	+0.00000	-0.00006	-0.00007	-0.005	0.600	P
18	0	Curr10X 10mA	+0.50000	+0.50002	+0.50002	+0.002	0.850	P
18	0	Curr10X 10mA	+1.00000	+1.00005	+1.00002	-0.028	1.100	P
18	0	Curr10X 100mA	-10.00000	-9.99925	-9.99907	+0.183	11.000	P
18	0	Curr10X 100mA	-5.00000	-4.99844	-4.99825	+0.194	8.499	P
18	0	Curr10X 100mA	+0.00000	-0.00046	-0.00079	-0.325	6.000	P
18	0	Curr10X 100mA	+5.00000	+5.00111	+5.00103	-0.084	8.501	P
18	0	Curr10X 100mA	+10.00000	+9.99881	+9.99868	-0.133	10.999	P
18	0	Curr10X 200mA	-20.00000	-19.98968	-19.98968	-0.002	21.995	P
18	0	Curr10X 200mA	-10.00000	-9.99267	-9.99268	-0.009	16.996	P
18	0	Curr10X 200mA	+0.00000	+0.00672	+0.00675	+0.030	12.003	P
18	0	Curr10X 200mA	+10.00000	+10.00387	+10.00338	-0.497	17.002	P
18	0	Curr10X 200mA	+20.00000	+20.00066	+20.00018	-0.481	22.000	P
19	1	Curr10X 100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
19	1	Curr10X 100uA	-0.00500	-0.00500	-0.00500	-0.000	0.015	P
19	1	Curr10X 100uA	+0.00000	+0.00000	+0.00000	+0.000	0.012	P
19	1	Curr10X 100uA	+0.00500	+0.00500	+0.00500	+0.000	0.014	P
19	1	Curr10X 100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
19	1	Curr10X 1mA	-0.10000	-0.09999	-0.09999	+0.003	0.110	P
19	1	Curr10X 1mA	-0.05000	-0.04998	-0.04998	+0.003	0.085	P
19	1	Curr10X 1mA	+0.00000	+0.00001	+0.00001	-0.000	0.060	P
19	1	Curr10X 1mA	+0.05000	+0.05002	+0.05002	+0.000	0.085	P
19	1	Curr10X 1mA	+0.10000	+0.10000	+0.10000	-0.002	0.110	P
19	1	Curr10X 10mA	-1.00000	-1.00000	-1.00001	-0.012	1.100	P
19	1	Curr10X 10mA	-0.50000	-0.49984	-0.49985	-0.012	0.850	P
19	1	Curr10X 10mA	+0.00000	+0.00010	+0.00010	-0.006	0.600	P
19	1	Curr10X 10mA	+0.50000	+0.49994	+0.49994	-0.002	0.850	P

19	1	Curr10X	10mA	+1.00000	+1.00012	+1.00008	-0.046	1.100	P
19	1	Curr10X	100mA	-10.00000	-9.99943	-9.99885	+0.584	11.000	P
19	1	Curr10X	100mA	-5.00000	-4.99966	-4.99964	+0.023	8.500	P
19	1	Curr10X	100mA	+0.00000	+0.00079	+0.00059	-0.200	6.000	P
19	1	Curr10X	100mA	+5.00000	+5.00046	+5.00007	-0.394	8.500	P
19	1	Curr10X	100mA	+10.00000	+10.00031	+9.99974	-0.570	11.000	P
19	1	Curr10X	200mA	-20.00000	-19.99540	-19.99574	-0.347	21.998	P
19	1	Curr10X	200mA	-10.00000	-9.99821	-9.99763	+0.583	16.999	P
19	1	Curr10X	200mA	+0.00000	+0.00728	+0.00738	+0.092	12.004	P
19	1	Curr10X	200mA	+10.00000	+10.00477	+10.00481	+0.047	17.002	P
19	1	Curr10X	200mA	+20.00000	+20.00261	+20.00214	-0.479	22.001	P
20	2	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
20	2	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.015	P
20	2	Curr10X	100uA	+0.00000	+0.00000	+0.00000	+0.000	0.012	P
20	2	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.001	0.014	P
20	2	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
20	2	Curr10X	1mA	-0.10000	-0.09999	-0.09999	+0.004	0.110	P
20	2	Curr10X	1mA	-0.05000	-0.05001	-0.05001	+0.001	0.085	P
20	2	Curr10X	1mA	+0.00000	+0.00001	+0.00001	+0.001	0.060	P
20	2	Curr10X	1mA	+0.05000	+0.05002	+0.05002	-0.002	0.085	P
20	2	Curr10X	1mA	+0.10000	+0.10000	+0.10000	-0.003	0.110	P
20	2	Curr10X	10mA	-1.00000	-1.00003	-0.99999	+0.047	1.100	P
20	2	Curr10X	10mA	-0.50000	-0.49984	-0.49987	-0.023	0.850	P
20	2	Curr10X	10mA	+0.00000	+0.00012	+0.00013	+0.011	0.600	P
20	2	Curr10X	10mA	+0.50000	+0.49995	+0.49993	-0.011	0.850	P
20	2	Curr10X	10mA	+1.00000	+1.00012	+1.00007	-0.047	1.100	P
20	2	Curr10X	100mA	-10.00000	-9.99772	-9.99767	+0.048	10.999	P
20	2	Curr10X	100mA	-5.00000	-4.99875	-4.99869	+0.056	8.499	P
20	2	Curr10X	100mA	+0.00000	+0.00122	+0.00117	-0.054	6.001	P
20	2	Curr10X	100mA	+5.00000	+4.99974	+4.99984	+0.103	8.500	P
20	2	Curr10X	100mA	+10.00000	+10.00175	+10.00152	-0.228	11.001	P
20	2	Curr10X	200mA	-20.00000	-19.99306	-19.99224	+0.814	21.997	P
20	2	Curr10X	200mA	-10.00000	-9.99647	-9.99567	+0.802	16.998	P
20	2	Curr10X	200mA	+0.00000	+0.00836	+0.00840	+0.031	12.004	P
20	2	Curr10X	200mA	+10.00000	+10.00386	+10.00394	+0.075	17.002	P
20	2	Curr10X	200mA	+20.00000	+20.00672	+20.00558	-1.139	22.003	P
21	3	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
21	3	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.015	P
21	3	Curr10X	100uA	+0.00000	-0.00000	-0.00000	+0.000	0.012	P
21	3	Curr10X	100uA	+0.00500	+0.00500	+0.00500	+0.000	0.014	P
21	3	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.001	0.017	P
21	3	Curr10X	1mA	-0.10000	-0.10000	-0.10000	-0.001	0.110	P
21	3	Curr10X	1mA	-0.05000	-0.04999	-0.04999	+0.003	0.085	P
21	3	Curr10X	1mA	+0.00000	-0.00001	-0.00001	+0.001	0.060	P

21	3	Curr10X	1mA	+0.05000	+0.05001	+0.05001	+0.001	0.085	P
21	3	Curr10X	1mA	+0.10000	+0.10002	+0.10001	-0.001	0.110	P
21	3	Curr10X	10mA	-1.00000	-0.99985	-0.99982	+0.030	1.100	P
21	3	Curr10X	10mA	-0.50000	-0.50000	-0.49997	+0.030	0.850	P
21	3	Curr10X	10mA	+0.00000	+0.00020	+0.00022	+0.021	0.600	P
21	3	Curr10X	10mA	+0.50000	+0.50013	+0.50013	-0.001	0.850	P
21	3	Curr10X	10mA	+1.00000	+1.00000	+0.99998	-0.019	1.100	P
21	3	Curr10X	100mA	-10.00000	-9.99951	-9.99956	-0.052	11.000	P
21	3	Curr10X	100mA	-5.00000	-4.99902	-4.99925	-0.233	8.500	P
21	3	Curr10X	100mA	+0.00000	+0.00152	+0.00150	-0.022	6.001	P
21	3	Curr10X	100mA	+5.00000	+4.99987	+4.99982	-0.053	8.500	P
21	3	Curr10X	100mA	+10.00000	+10.00042	+10.00030	-0.118	11.000	P
21	3	Curr10X	200mA	-20.00000	-19.99378	-19.99353	+0.248	21.997	P
21	3	Curr10X	200mA	-10.00000	-9.99579	-9.99572	+0.074	16.998	P
21	3	Curr10X	200mA	+0.00000	+0.00294	+0.00314	+0.196	12.001	P
21	3	Curr10X	200mA	+10.00000	+10.00275	+10.00269	-0.062	17.001	P
21	3	Curr10X	200mA	+20.00000	+20.00170	+20.00106	-0.641	22.001	P
22	4	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.001	0.017	P
22	4	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.015	P
22	4	Curr10X	100uA	+0.00000	+0.00000	+0.00000	-0.000	0.012	P
22	4	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.015	P
22	4	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017	P
22	4	Curr10X	1mA	-0.10000	-0.10000	-0.09999	+0.005	0.110	P
22	4	Curr10X	1mA	-0.05000	-0.04999	-0.04999	+0.001	0.085	P
22	4	Curr10X	1mA	+0.00000	+0.00000	+0.00000	+0.000	0.060	P
22	4	Curr10X	1mA	+0.05000	+0.05001	+0.05001	-0.002	0.085	P
22	4	Curr10X	1mA	+0.10000	+0.10001	+0.10001	-0.004	0.110	P
22	4	Curr10X	10mA	-1.00000	-0.99986	-0.99981	+0.053	1.100	P
22	4	Curr10X	10mA	-0.50000	-0.50013	-0.50012	+0.010	0.850	P
22	4	Curr10X	10mA	+0.00000	+0.00001	+0.00002	+0.009	0.600	P
22	4	Curr10X	10mA	+0.50000	+0.50003	+0.50003	-0.010	0.850	P
22	4	Curr10X	10mA	+1.00000	+1.00004	+1.00003	-0.007	1.100	P
22	4	Curr10X	100mA	-10.00000	-9.99858	-9.99806	+0.515	10.999	P
22	4	Curr10X	100mA	-5.00000	-4.99984	-4.99968	+0.162	8.500	P
22	4	Curr10X	100mA	+0.00000	+0.00047	+0.00033	-0.139	6.000	P
22	4	Curr10X	100mA	+5.00000	+5.00197	+5.00200	+0.032	8.501	P
22	4	Curr10X	100mA	+10.00000	+10.00072	+10.00052	-0.202	11.000	P
22	4	Curr10X	200mA	-20.00000	-19.99221	-19.99146	+0.754	21.996	P
22	4	Curr10X	200mA	-10.00000	-9.99725	-9.99732	-0.070	16.999	P
22	4	Curr10X	200mA	+0.00000	+0.00636	+0.00638	+0.025	12.003	P
22	4	Curr10X	200mA	+10.00000	+10.00747	+10.00721	-0.265	17.004	P
22	4	Curr10X	200mA	+20.00000	+20.00265	+20.00211	-0.543	22.001	P
23	5	Curr10X	100uA	-0.01000	-0.01000	-0.01000	+0.000	0.017	P
23	5	Curr10X	100uA	-0.00500	-0.00500	-0.00500	+0.000	0.014	P

23	5	Curr10X	100uA	+0.00000	-0.00000	+0.00000	+0.000	0.012 P
23	5	Curr10X	100uA	+0.00500	+0.00500	+0.00500	-0.000	0.015 P
23	5	Curr10X	100uA	+0.01000	+0.01000	+0.01000	-0.000	0.017 P
23	5	Curr10X	1mA	-0.10000	-0.09999	-0.09998	+0.005	0.110 P
23	5	Curr10X	1mA	-0.05000	-0.04999	-0.04999	+0.000	0.085 P
23	5	Curr10X	1mA	+0.00000	+0.00000	+0.00000	+0.001	0.060 P
23	5	Curr10X	1mA	+0.05000	+0.05001	+0.05001	-0.002	0.085 P
23	5	Curr10X	1mA	+0.10000	+0.10000	+0.10000	-0.005	0.110 P
23	5	Curr10X	10mA	-1.00000	-0.99988	-0.99983	+0.048	1.100 P
23	5	Curr10X	10mA	-0.50000	-0.49992	-0.49990	+0.015	0.850 P
23	5	Curr10X	10mA	+0.00000	+0.00005	+0.00004	-0.009	0.600 P
23	5	Curr10X	10mA	+0.50000	+0.50009	+0.50005	-0.035	0.850 P
23	5	Curr10X	10mA	+1.00000	+1.00004	+1.00003	-0.016	1.100 P
23	5	Curr10X	100mA	-10.00000	-9.99986	-9.99989	-0.028	11.000 P
23	5	Curr10X	100mA	-5.00000	-4.99975	-4.99968	+0.070	8.500 P
23	5	Curr10X	100mA	+0.00000	+0.00034	+0.00015	-0.191	6.000 P
23	5	Curr10X	100mA	+5.00000	+5.00128	+5.00116	-0.127	8.501 P
23	5	Curr10X	100mA	+10.00000	+10.00145	+10.00116	-0.294	11.001 P
23	5	Curr10X	200mA	-20.00000	-19.99353	-19.99271	+0.812	21.997 P
23	5	Curr10X	200mA	-10.00000	-9.99651	-9.99604	+0.468	16.998 P
23	5	Curr10X	200mA	+0.00000	+0.00701	+0.00741	+0.409	12.004 P
23	5	Curr10X	200mA	+10.00000	+10.00536	+10.00520	-0.157	17.003 P
23	5	Curr10X	200mA	+20.00000	+20.00841	+20.00733	-1.083	22.004 P

Last Calibration Date: 10/26/22 12:57.10
(10/26/22 13:01.35 - CAL REV:2015) CHK STATUS: PASS

Cal QMS18: SN REV 17

b.VrefPos10	1.000144390000e+001
b.VrefPos5	5.000624180000e+000
b.VrefPos2p5	2.500153060000e+000
b.VrefPos2	2.000114440000e+000
b.VrefPos1	9.999999400000e-001
b.VrefPosp5	4.999760090000e-001
b.VrefPosp1	9.007834640000e-002
b.VrefPos0	-6.503716580000e-005
b.VrefNeg10	-1.000139810000e+001
b.VrefNeg5	-5.000647070000e+000
b.VrefNeg2p5	-2.500208850000e+000
b.VrefNeg2	-2.000178340000e+000
b.VrefNeg1	-1.000076890000e+000

b.VrefNegp5 -5.000602600000e-001
b.VrefNegp1 -9.016787260000e-002
b.VrefNeg0 -2.679075620000e-005
c.PostSnOfstTD5_50x 0x2f6
c.PostSnOfstTD5_10x 0x373
c.PostSnOfstTD5_5x 0x393
c.PostSnOfstTD5_1x 0x3a1
d.PostSnLSB_50x 6.111767119326e-006
d.PostSnLSB_10x 3.395642882664e-005
d.PostSnLSB_5x 6.112220893290e-005
d.PostSnLSB_1x 3.395919675996e-004
e.Pos10p02 1.003129769381e+001
e.Neg10p02 -1.003124430619e+001
f.RefDacInvOfstTD2 0x530
g.PreSnOfstTD0_p5 0x836
g.PreSnOfstTD0_1 0x823
g.PreSnOfstTD0_2 0x818
g.PreSnOfstTD0_5 0x815
g.PreSnOfstTD0_10 0x814
g.PreSnOfstTD0_20 0x7e3
g.PreSnOfstTD0_50 0x802
g.PreSnOfstTD0_100 0x80b
g.PreSnOfstTD0_200 0x80e
h.RefDacInvGainTD1 0x6d1
h.RefDacInvLSB 3.051757839322e-004
i.RefDacLinTD4[_0] 0x7d8
i.RefDacLinTD4[_1] 0x7db
i.RefDacLinTD4[_2] 0x81e
i.RefDacLinTD4[_3] 0x800
i.RefDacLinTD4[_4] 0x816
i.RefDacLinTD4[_5] 0x80e
i.RefDacLinTD4[_6] 0x84d
i.RefDacLinTD4[_7] 0x827
i.RefDacLinTD4[_8] 0x7ac
i.RefDacLinTD4[_9] 0x79e
i.RefDacLinTD4[10] 0x7cd
i.RefDacLinTD4[11] 0x7a1
i.RefDacLinTD4[12] 0x795
i.RefDacLinTD4[13] 0x789
i.RefDacLinTD4[14] 0x7a8
i.RefDacLinTD4[15] 0x779
i.RefDacLinTD4[16] 0x751
i.RefDacLinTD4[17] 0x737
i.RefDacLinTD4[18] 0x760

i.RefDacLinTD4[19]	0x731
i.RefDacLinTD4[20]	0x781
i.RefDacLinTD4[21]	0x767
i.RefDacLinTD4[22]	0x78f
i.RefDacLinTD4[23]	0x75b
i.RefDacLinTD4[24]	0x720
i.RefDacLinTD4[25]	0x70a
i.RefDacLinTD4[26]	0x72d
i.RefDacLinTD4[27]	0x6f9
i.RefDacLinTD4[28]	0x71c
i.RefDacLinTD4[29]	0x6fb
i.RefDacLinTD4[30]	0x722
i.RefDacLinTD4[31]	0x6e9
i.RefDacLinTD4[32]	0x759
i.RefDacLinTD4[33]	0x730
i.RefDacLinTD4[34]	0x753
i.RefDacLinTD4[35]	0x730
i.RefDacLinTD4[36]	0x737
i.RefDacLinTD4[37]	0x71d
i.RefDacLinTD4[38]	0x748
i.RefDacLinTD4[39]	0x71b
i.RefDacLinTD4[40]	0x701
i.RefDacLinTD4[41]	0x6e9
i.RefDacLinTD4[42]	0x714
i.RefDacLinTD4[43]	0x6ec
i.RefDacLinTD4[44]	0x695
i.RefDacLinTD4[45]	0x682
i.RefDacLinTD4[46]	0x6b5
i.RefDacLinTD4[47]	0x68b
i.RefDacLinTD4[48]	0x71c
i.RefDacLinTD4[49]	0x712
i.RefDacLinTD4[50]	0x73e
i.RefDacLinTD4[51]	0x723
i.RefDacLinTD4[52]	0x73f
i.RefDacLinTD4[53]	0x735
i.RefDacLinTD4[54]	0x768
i.RefDacLinTD4[55]	0x762
i.RefDacLinTD4[56]	0x7a9
i.RefDacLinTD4[57]	0x7ac
i.RefDacLinTD4[58]	0x7f5
i.RefDacLinTD4[59]	0x7de
i.RefDacLinTD4[60]	0x7e5
i.RefDacLinTD4[61]	0x7ec
i.RefDacLinTD4[62]	0x846

i.RefDacLinTD4[63] 0x842
j.PreSnGain_1x 9.999852703938e-001
j.PreSnGain_2x 1.999947168150e+000
j.PreSnGain_4x 3.999999078230e+000
j.PreSnGain_5x 5.000015714356e+000
j.PreSnGain_10x 9.999920622336e+000
j.PreSnGain_20x 2.000033174181e+001
k.DivBy20Gain 2.000415782315e+001
l.Adc2_OfstTD5_50x 0x3ef
l.Adc2_OfstTD5_10x 0x3f0
l.Adc2_OfstTD5_5x 0x3ee
l.Adc2_OfstTD5_1x 0x3ef
m.Adc2LSB_50x 9.788010806408e-005
m.Adc2LSB_10x 5.437935122349e-004
m.Adc2LSB_5x 9.789901272638e-004
m.Adc2LSB_1x 5.439908213217e-003
n.HighSpeedOfstTD5_4x 0x3f7
n.HighSpeedOfstTD5_2x 0x3f7
n.HighSpeedOfstTD5_1x 0x3f9
o.HighSpeedGainLSB_4x 2.704993965377e-004
o.HighSpeedGainLSB_2x 5.404152472305e-004
o.HighSpeedGainLSB_1x 1.080284304618e-003
TempTD3 0x47e
AirTemp 28.0 deg C
CtlTemp 35.6 deg C

EEPROM verified OK

b.VrefPos10 1.000319000000e+001
b.VrefPos5 5.001434800000e+000
b.VrefPos2p5 2.500530720000e+000
b.VrefPos2 2.000411030000e+000
b.VrefPos1 1.000206710000e+000
b.VrefPosp5 5.000819560000e-001
b.VrefPosp1 9.009251000000e-002
b.VrefPos0 -5.878604860000e-005
b.VrefNeg10 -1.000308900000e+001
b.VrefNeg5 -5.001461030000e+000
b.VrefNeg2p5 -2.500619890000e+000
b.VrefNeg2 -2.000512120000e+000
b.VrefNeg1 -1.000331520000e+000
b.VrefNegp5 -5.002188680000e-001

b.VrefNegp1 -9.023927900000e-002
b.VrefNeg0 -8.950415210000e-005
c.PostSnOfstTD5_50x 0x3c8
c.PostSnOfstTD5_10x 0x378
c.PostSnOfstTD5_5x 0x385
c.PostSnOfstTD5_1x 0x37c
d.PostSnLSB_50x 6.111114362493e-006
d.PostSnLSB_10x 3.395200423322e-005
d.PostSnLSB_5x 6.111816392996e-005
d.PostSnLSB_1x 3.395572565844e-004
e.Pos10p02 1.003306031807e+001
e.Neg10p02 -1.003282528193e+001
f.RefDacInvOfstTD2 0x4d9
g.PreSnOfstTD0_p5 0x5c1
g.PreSnOfstTD0_1 0x69c
g.PreSnOfstTD0_2 0x70c
g.PreSnOfstTD0_5 0x7a1
g.PreSnOfstTD0_10 0x7b7
g.PreSnOfstTD0_20 0x6b7
g.PreSnOfstTD0_50 0x77a
g.PreSnOfstTD0_100 0x7a5
g.PreSnOfstTD0_200 0x7b8
h.RefDacInvGainTD1 0x71e
h.RefDacInvLSB 3.051757839322e-004
i.RefDacLinTD4[_0] 0x8db
i.RefDacLinTD4[_1] 0x8a2
i.RefDacLinTD4[_2] 0x890
i.RefDacLinTD4[_3] 0x844
i.RefDacLinTD4[_4] 0x927
i.RefDacLinTD4[_5] 0x8f3
i.RefDacLinTD4[_6] 0x8da
i.RefDacLinTD4[_7] 0x889
i.RefDacLinTD4[_8] 0x8fb
i.RefDacLinTD4[_9] 0x8ca
i.RefDacLinTD4[10] 0x8a4
i.RefDacLinTD4[11] 0x855
i.RefDacLinTD4[12] 0xabc
i.RefDacLinTD4[13] 0xa85
i.RefDacLinTD4[14] 0xa76
i.RefDacLinTD4[15] 0xa1c
i.RefDacLinTD4[16] 0xaa0
i.RefDacLinTD4[17] 0xa40
i.RefDacLinTD4[18] 0xa28
i.RefDacLinTD4[19] 0x9d7

i.RefDacLinTD4[20]	0xaee
i.RefDacLinTD4[21]	0xab4
i.RefDacLinTD4[22]	0xa73
i.RefDacLinTD4[23]	0xa1d
i.RefDacLinTD4[24]	0xab2
i.RefDacLinTD4[25]	0xa73
i.RefDacLinTD4[26]	0xa54
i.RefDacLinTD4[27]	0xa0f
i.RefDacLinTD4[28]	0xa11
i.RefDacLinTD4[29]	0x9a3
i.RefDacLinTD4[30]	0x976
i.RefDacLinTD4[31]	0x91b
i.RefDacLinTD4[32]	0x9d8
i.RefDacLinTD4[33]	0x9b5
i.RefDacLinTD4[34]	0x9b2
i.RefDacLinTD4[35]	0x92e
i.RefDacLinTD4[36]	0x93d
i.RefDacLinTD4[37]	0x8ca
i.RefDacLinTD4[38]	0x8db
i.RefDacLinTD4[39]	0x85a
i.RefDacLinTD4[40]	0x90d
i.RefDacLinTD4[41]	0x8b1
i.RefDacLinTD4[42]	0x895
i.RefDacLinTD4[43]	0x86c
i.RefDacLinTD4[44]	0x8c7
i.RefDacLinTD4[45]	0x889
i.RefDacLinTD4[46]	0x87c
i.RefDacLinTD4[47]	0x825
i.RefDacLinTD4[48]	0x897
i.RefDacLinTD4[49]	0x864
i.RefDacLinTD4[50]	0x83e
i.RefDacLinTD4[51]	0x802
i.RefDacLinTD4[52]	0x887
i.RefDacLinTD4[53]	0x85f
i.RefDacLinTD4[54]	0x852
i.RefDacLinTD4[55]	0x812
i.RefDacLinTD4[56]	0x8d3
i.RefDacLinTD4[57]	0x8b1
i.RefDacLinTD4[58]	0x8b0
i.RefDacLinTD4[59]	0x864
i.RefDacLinTD4[60]	0x81d
i.RefDacLinTD4[61]	0x7fb
i.RefDacLinTD4[62]	0x7c6
i.RefDacLinTD4[63]	0x80b

j.PreSnGain_1x 9.999821816378e-001
j.PreSnGain_2x 2.000024024136e+000
j.PreSnGain_4x 4.000029611458e+000
j.PreSnGain_5x 5.000386637547e+000
j.PreSnGain_10x 1.000108633935e+001
j.PreSnGain_20x 2.000207458739e+001
k.DivBy20Gain 2.000454578686e+001
l.Adc2_OfstTD5_50x 0x402
l.Adc2_OfstTD5_10x 0x402
l.Adc2_OfstTD5_5x 0x402
l.Adc2_OfstTD5_1x 0x401
m.Adc2LSB_50x 9.779381182213e-005
m.Adc2LSB_10x 5.431989269617e-004
m.Adc2LSB_5x 9.777801710655e-004
m.Adc2LSB_1x 5.431928226989e-003
n.HighSpeedOfstTD5_4x 0x40f
n.HighSpeedOfstTD5_2x 0x412
n.HighSpeedOfstTD5_1x 0x416
o.HighSpeedGainLSB_4x 2.703515740541e-004
o.HighSpeedGainLSB_2x 5.399563373819e-004
o.HighSpeedGainLSB_1x 1.078997613269e-003
TempTD3 0x2dc
AirTemp 29.9 deg C
CtlTemp 33.3 deg C

EEPROM verified OK
(10/26/22 13:06.12 - CAL REV:2015) *** CAL RAM UPDATED ***

Check QMS18: SN REV 17

POS=18 PIN= 0 16 Bit ADC , High Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)	Limit
0	0.5000 V	0.5000 V	0.004mV P	0.240mV
0	0.0901 V	0.0901 V	0.006mV P	0.232mV
0	-0.0755mV	-0.0713mV	0.004mV P	0.230mV
0	-0.0902 V	-0.0902 V	0.008mV P	0.232mV
0	-0.5001 V	-0.5001 V	0.006mV P	0.240mV
1	1.0000 V	1.0000 V	0.003mV P	0.265mV
1	0.5000 V	0.5000 V	0.004mV P	0.255mV

1	0.0901 V	0.0901 V	0.007mV	P	0.247mV
1	-0.0755mV	-0.0699mV	0.006mV	P	0.245mV
1	-0.0902 V	-0.0902 V	0.006mV	P	0.247mV
1	-0.5001 V	-0.5001 V	0.007mV	P	0.255mV
1	-1.0001 V	-1.0001 V	0.009mV	P	0.265mV
2	2.0001 V	2.0001 V	0.005mV	P	0.290mV
2	1.0000 V	1.0000 V	0.008mV	P	0.275mV
2	0.5000 V	0.5000 V	0.006mV	P	0.268mV
2	0.0901 V	0.0901 V	0.013mV	P	0.261mV
2	-0.0755mV	-0.0675mV	0.008mV	P	0.260mV
2	-0.0902 V	-0.0902 V	0.004mV	P	0.261mV
2	-0.5001 V	-0.5001 V	0.006mV	P	0.268mV
2	-1.0001 V	-1.0001 V	0.006mV	P	0.275mV
2	-2.0002 V	-2.0002 V	0.010mV	P	0.290mV
3	5.0006 V	5.0006 V	-0.001mV	P	0.350mV
3	2.5001 V	2.5002 V	0.005mV	P	0.325mV
3	2.0001 V	2.0001 V	0.039mV	P	0.320mV
3	1.0000 V	1.0000 V	-0.002mV	P	0.310mV
3	0.5000 V	0.5000 V	0.037mV	P	0.305mV
3	0.0901 V	0.0901 V	0.036mV	P	0.301mV
3	-0.0755mV	-0.0691mV	0.006mV	P	0.300mV
3	-0.0902 V	-0.0901 V	0.046mV	P	0.301mV
3	-0.5001 V	-0.5000 V	0.036mV	P	0.305mV
3	-1.0001 V	-1.0001 V	0.036mV	P	0.310mV
3	-2.0002 V	-2.0002 V	0.035mV	P	0.320mV
3	-2.5002 V	-2.5002 V	0.006mV	P	0.325mV
3	-5.0007 V	-5.0006 V	0.023mV	P	0.350mV
4	10.0014 V	10.0014 V	-0.006mV	P	0.500mV
4	5.0006 V	5.0006 V	0.015mV	P	0.450mV
4	2.5001 V	2.5001 V	-0.002mV	P	0.425mV
4	2.0001 V	2.0001 V	-0.009mV	P	0.420mV
4	1.0000 V	1.0001 V	0.066mV	P	0.410mV
4	0.5000 V	0.5000 V	0.015mV	P	0.405mV
4	0.0901 V	0.0901 V	0.063mV	P	0.401mV
4	-0.0755mV	-0.0668mV	0.009mV	P	0.400mV
4	-0.0902 V	-0.0902 V	-0.016mV	P	0.401mV
4	-0.5001 V	-0.5001 V	-0.005mV	P	0.405mV
4	-1.0001 V	-1.0000 V	0.075mV	P	0.410mV
4	-2.0002 V	-2.0002 V	0.011mV	P	0.420mV
4	-2.5002 V	-2.5002 V	0.002mV	P	0.425mV
4	-5.0007 V	-5.0007 V	-0.000mV	P	0.450mV

4	-10.0014 V	-10.0014 V	0.039mV	P	0.500mV
5	10.0014 V	10.0015 V	0.031mV	P	0.850mV
5	5.0006 V	5.0007 V	0.028mV	P	0.775mV
5	2.5001 V	2.5002 V	0.026mV	P	0.737mV
5	2.0001 V	2.0003 V	0.169mV	P	0.730mV
5	1.0000 V	1.0000 V	0.032mV	P	0.715mV
5	0.5000 V	0.5001 V	0.166mV	P	0.708mV
5	0.0901 V	0.0902 V	0.152mV	P	0.701mV
5	-0.0755mV	-0.0420mV	0.034mV	P	0.700mV
5	-0.0902 V	-0.0900 V	0.146mV	P	0.701mV
5	-0.5001 V	-0.4999 V	0.173mV	P	0.708mV
5	-1.0001 V	-1.0001 V	-0.017mV	P	0.715mV
5	-2.0002 V	-2.0000 V	0.142mV	P	0.730mV
5	-2.5002 V	-2.5002 V	0.015mV	P	0.737mV
5	-5.0007 V	-5.0006 V	0.020mV	P	0.775mV
5	-10.0014 V	-10.0014 V	-0.010mV	P	0.850mV
6	10.0014 V	10.0013 V	-0.106mV	P	1.550mV
6	5.0006 V	5.0009 V	0.278mV	P	1.475mV
6	2.5001 V	2.5002 V	0.022mV	P	1.438mV
6	2.0001 V	2.0001 V	-0.040mV	P	1.430mV
6	1.0000 V	1.0002 V	0.195mV	P	1.415mV
6	0.5000 V	0.5001 V	0.113mV	P	1.408mV
6	0.0901 V	0.0901 V	0.009mV	P	1.401mV
6	-0.0755mV	-0.0865mV	-0.011mV	P	1.400mV
6	-0.0902 V	-0.0902 V	0.011mV	P	1.401mV
6	-0.5001 V	-0.5002 V	-0.100mV	P	1.408mV
6	-1.0001 V	-0.9997 V	0.415mV	P	1.415mV
6	-2.0002 V	-2.0002 V	0.005mV	P	1.430mV
6	-2.5002 V	-2.5003 V	-0.096mV	P	1.438mV
6	-5.0007 V	-5.0003 V	0.319mV	P	1.475mV
6	-10.0014 V	-10.0012 V	0.239mV	P	1.550mV
7	10.0014 V	10.0020 V	0.583mV	P	2.550mV
7	5.0006 V	5.0011 V	0.503mV	P	2.475mV
7	2.5001 V	2.5008 V	0.612mV	P	2.438mV
7	2.0001 V	2.0005 V	0.433mV	P	2.430mV
7	1.0000 V	1.0004 V	0.413mV	P	2.415mV
7	0.5000 V	0.5000 V	0.044mV	P	2.407mV
7	0.0901 V	0.0900 V	-0.065mV	P	2.401mV
7	-0.0755mV	-0.1232mV	-0.048mV	P	2.400mV
7	-0.0902 V	-0.0903 V	-0.175mV	P	2.401mV
7	-0.5001 V	-0.5003 V	-0.222mV	P	2.407mV

7	-1.0001 V	-1.0002 V	-0.143mV	P	2.415mV
7	-2.0002 V	-1.9994 V	0.779mV	P	2.430mV
7	-2.5002 V	-2.4997 V	0.548mV	P	2.438mV
7	-5.0007 V	-5.0009 V	-0.222mV	P	2.475mV
7	-10.0014 V	-10.0008 V	0.638mV	P	2.550mV
8	10.0014 V	10.0025 V	1.040mV	P	4.950mV
8	5.0006 V	5.0018 V	1.200mV	P	4.875mV
8	2.5001 V	2.4998 V	-0.383mV	P	4.837mV
8	2.0001 V	2.0011 V	0.967mV	P	4.830mV
8	1.0000 V	1.0001 V	0.105mV	P	4.815mV
8	0.5000 V	0.5014 V	1.424mV	P	4.807mV
8	0.0901 V	0.0912 V	1.115mV	P	4.801mV
8	-0.0755mV	-0.0458mV	0.030mV	P	4.800mV
8	-0.0902 V	-0.0888 V	1.373mV	P	4.801mV
8	-0.5001 V	-0.4989 V	1.162mV	P	4.807mV
8	-1.0001 V	-1.0006 V	-0.500mV	P	4.815mV
8	-2.0002 V	-2.0005 V	-0.319mV	P	4.830mV
8	-2.5002 V	-2.5001 V	0.101mV	P	4.837mV
8	-5.0007 V	-4.9994 V	1.259mV	P	4.875mV
8	-10.0014 V	-10.0018 V	-0.413mV	P	4.950mV

POS=18 PIN= 0 16 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5000 V	0.004mV	P	0.335mV
0	0.0901 V	0.0901 V	-0.013mV	P	0.306mV
0	-0.0755mV	-0.0829mV	-0.007mV	P	0.300mV
0	-0.0902 V	-0.0902 V	0.002mV	P	0.306mV
0	-0.5001 V	-0.5001 V	-0.004mV	P	0.335mV
1	1.0000 V	1.0000 V	0.001mV	P	0.410mV
1	0.5000 V	0.5000 V	0.016mV	P	0.380mV
1	0.0901 V	0.0900 V	-0.040mV	P	0.355mV
1	-0.0755mV	-0.0944mV	-0.019mV	P	0.350mV
1	-0.0902 V	-0.0902 V	0.013mV	P	0.355mV
1	-0.5001 V	-0.5001 V	-0.025mV	P	0.380mV
1	-1.0001 V	-1.0001 V	-0.017mV	P	0.410mV
2	2.0001 V	2.0001 V	-0.003mV	P	0.500mV
2	1.0000 V	1.0000 V	0.024mV	P	0.450mV
2	0.5000 V	0.4999 V	-0.027mV	P	0.425mV
2	0.0901 V	0.0900 V	-0.050mV	P	0.405mV

2	-0.0755mV	-0.0977mV	-0.022mV	P	0.400mV
2	-0.0902 V	-0.0902 V	-0.014mV	P	0.405mV
2	-0.5001 V	-0.5001 V	-0.046mV	P	0.425mV
2	-1.0001 V	-1.0001 V	-0.059mV	P	0.450mV
2	-2.0002 V	-2.0002 V	-0.041mV	P	0.500mV
3	5.0006 V	5.0006 V	-0.060mV	P	0.950mV
3	2.5001 V	2.5002 V	0.028mV	P	0.825mV
3	2.0001 V	2.0000 V	-0.080mV	P	0.800mV
3	1.0000 V	1.0000 V	-0.025mV	P	0.750mV
3	0.5000 V	0.4999 V	-0.062mV	P	0.725mV
3	0.0901 V	0.0900 V	-0.074mV	P	0.704mV
3	-0.0755mV	-0.1384mV	-0.063mV	P	0.700mV
3	-0.0902 V	-0.0903 V	-0.127mV	P	0.704mV
3	-0.5001 V	-0.5003 V	-0.196mV	P	0.725mV
3	-1.0001 V	-1.0003 V	-0.185mV	P	0.750mV
3	-2.0002 V	-2.0003 V	-0.109mV	P	0.800mV
3	-2.5002 V	-2.5004 V	-0.168mV	P	0.825mV
3	-5.0007 V	-5.0008 V	-0.109mV	P	0.950mV
4	10.0014 V	10.0013 V	-0.152mV	P	1.700mV
4	5.0006 V	5.0006 V	0.010mV	P	1.450mV
4	2.5001 V	2.5000 V	-0.185mV	P	1.325mV
4	2.0001 V	2.0000 V	-0.068mV	P	1.300mV
4	1.0000 V	0.9999 V	-0.124mV	P	1.250mV
4	0.5000 V	0.4998 V	-0.145mV	P	1.225mV
4	0.0901 V	0.0899 V	-0.197mV	P	1.205mV
4	-0.0755mV	-0.1805mV	-0.105mV	P	1.200mV
4	-0.0902 V	-0.0904 V	-0.195mV	P	1.205mV
4	-0.5001 V	-0.5004 V	-0.314mV	P	1.225mV
4	-1.0001 V	-1.0005 V	-0.368mV	P	1.250mV
4	-2.0002 V	-2.0006 V	-0.379mV	P	1.300mV
4	-2.5002 V	-2.5005 V	-0.302mV	P	1.325mV
4	-5.0007 V	-5.0010 V	-0.306mV	P	1.450mV
4	-10.0014 V	-10.0016 V	-0.198mV	P	1.700mV
5	10.0014 V	10.0016 V	0.168mV	P	2.900mV
5	5.0006 V	5.0002 V	-0.444mV	P	2.550mV
5	2.5001 V	2.4998 V	-0.354mV	P	2.375mV
5	2.0001 V	1.9998 V	-0.332mV	P	2.340mV
5	1.0000 V	0.9996 V	-0.342mV	P	2.270mV
5	0.5000 V	0.4992 V	-0.801mV	P	2.235mV
5	0.0901 V	0.0900 V	-0.022mV	P	2.206mV
5	-0.0755mV	-0.3088mV	-0.233mV	P	2.200mV

5	-0.0902 V	-0.0904 V	-0.265mV	P	2.206mV
5	-0.5001 V	-0.5000 V	0.043mV	P	2.235mV
5	-1.0001 V	-1.0006 V	-0.511mV	P	2.270mV
5	-2.0002 V	-2.0007 V	-0.522mV	P	2.340mV
5	-2.5002 V	-2.5003 V	-0.069mV	P	2.375mV
5	-5.0007 V	-5.0011 V	-0.461mV	P	2.550mV
5	-10.0014 V	-10.0022 V	-0.827mV	P	2.900mV
6	10.0014 V	10.0010 V	-0.453mV	P	5.700mV
6	5.0006 V	4.9997 V	-0.903mV	P	5.350mV
6	2.5001 V	2.4993 V	-0.866mV	P	5.175mV
6	2.0001 V	1.9989 V	-1.223mV	P	5.140mV
6	1.0000 V	0.9985 V	-1.445mV	P	5.070mV
6	0.5000 V	0.4988 V	-1.190mV	P	5.035mV
6	0.0901 V	0.0893 V	-0.770mV	P	5.006mV
6	-0.0755mV	-0.5842mV	-0.509mV	P	5.000mV
6	-0.0902 V	-0.0905 V	-0.307mV	P	5.006mV
6	-0.5001 V	-0.5012 V	-1.085mV	P	5.035mV
6	-1.0001 V	-1.0000 V	0.089mV	P	5.070mV
6	-2.0002 V	-2.0008 V	-0.612mV	P	5.140mV
6	-2.5002 V	-2.5017 V	-1.521mV	P	5.175mV
6	-5.0007 V	-5.0024 V	-1.691mV	P	5.350mV
6	-10.0014 V	-10.0030 V	-1.605mV	P	5.700mV
7	10.0014 V	10.0000 V	-0.001 V	P	0.011 V
7	5.0006 V	4.9989 V	-0.002 V	P	0.010 V
7	2.5001 V	2.4959 V	-0.004 V	P	0.010 V
7	2.0001 V	1.9973 V	-0.003 V	P	0.010 V
7	1.0000 V	0.9976 V	-0.002 V	P	0.010 V
7	0.5000 V	0.4996 V	-0.000 V	P	0.010 V
7	0.0901 V	0.0880 V	-0.002 V	P	0.010 V
7	-0.0755mV	-0.9137mV	-0.001 V	P	0.010 V
7	-0.0902 V	-0.0921 V	-0.002 V	P	0.010 V
7	-0.5001 V	-0.5013 V	-0.001 V	P	0.010 V
7	-1.0001 V	-1.0021 V	-0.002 V	P	0.010 V
7	-2.0002 V	-1.9997 V	0.000 V	P	0.010 V
7	-2.5002 V	-2.5002 V	0.000 V	P	0.010 V
7	-5.0007 V	-5.0035 V	-0.003 V	P	0.010 V
7	-10.0014 V	-10.0049 V	-0.003 V	P	0.011 V
8	10.0014 V	9.9987 V	-0.003 V	P	0.021 V
8	5.0006 V	4.9922 V	-0.008 V	P	0.020 V
8	2.5001 V	2.4957 V	-0.004 V	P	0.020 V
8	2.0001 V	1.9959 V	-0.004 V	P	0.020 V

8	1.0000 V	0.9993 V	-0.001 V	P	0.020 V
8	0.5000 V	0.4976 V	-0.002 V	P	0.020 V
8	0.0901 V	0.0861 V	-0.004 V	P	0.020 V
8	-0.0755mV	-1.3485mV	-0.001 V	P	0.020 V
8	-0.0902 V	-0.0924 V	-0.002 V	P	0.020 V
8	-0.5001 V	-0.5003 V	-0.000 V	P	0.020 V
8	-1.0001 V	-1.0024 V	-0.002 V	P	0.020 V
8	-2.0002 V	-2.0039 V	-0.004 V	P	0.020 V
8	-2.5002 V	-2.5022 V	-0.002 V	P	0.020 V
8	-5.0007 V	-5.0005 V	0.000 V	P	0.020 V
8	-10.0014 V	-10.0070 V	-0.006 V	P	0.021 V

POS=18 PIN= 0 12 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5000 V	0.064mV	P	6.250mV
0	0.0901 V	0.0901 V	0.070mV	P	6.045mV
0	-0.0755mV	-0.0020mV	0.074mV	P	6.000mV
0	-0.0902 V	-0.0901 V	0.074mV	P	6.045mV
0	-0.5001 V	-0.5002 V	-0.083mV	P	6.250mV
1	1.0000 V	1.0002 V	0.188mV	P	6.500mV
1	0.5000 V	0.5000 V	-0.006mV	P	6.250mV
1	0.0901 V	0.0903 V	0.184mV	P	6.045mV
1	-0.0755mV	0.0005mV	0.076mV	P	6.000mV
1	-0.0902 V	-0.0900 V	0.146mV	P	6.045mV
1	-0.5001 V	-0.4999 V	0.137mV	P	6.250mV
1	-1.0001 V	-1.0002 V	-0.091mV	P	6.500mV
2	2.0001 V	2.0007 V	0.573mV	P	7.000mV
2	1.0000 V	1.0000 V	-0.006mV	P	6.500mV
2	0.5000 V	0.5005 V	0.500mV	P	6.250mV
2	0.0901 V	0.0903 V	0.240mV	P	6.045mV
2	-0.0755mV	0.0131mV	0.089mV	P	6.000mV
2	-0.0902 V	-0.0903 V	-0.086mV	P	6.045mV
2	-0.5001 V	-0.5000 V	0.099mV	P	6.250mV
2	-1.0001 V	-0.9999 V	0.236mV	P	6.500mV
2	-2.0002 V	-2.0005 V	-0.353mV	P	7.000mV
3	5.0006 V	5.0020 V	1.357mV	P	9.500mV
3	2.5001 V	2.5001 V	-0.039mV	P	8.250mV
3	2.0001 V	2.0018 V	1.663mV	P	8.000mV
3	1.0000 V	1.0010 V	0.968mV	P	7.500mV

3	0.5000 V	0.5005 V	0.512mV	P	7.250mV
3	0.0901 V	0.0898 V	-0.255mV	P	7.045mV
3	-0.0755mV	0.0204mV	0.096mV	P	7.000mV
3	-0.0902 V	-0.0897 V	0.424mV	P	7.045mV
3	-0.5001 V	-0.4990 V	1.033mV	P	7.250mV
3	-1.0001 V	-0.9996 V	0.459mV	P	7.500mV
3	-2.0002 V	-2.0001 V	0.107mV	P	8.000mV
3	-2.5002 V	-2.4997 V	0.519mV	P	8.250mV
3	-5.0007 V	-5.0015 V	-0.852mV	P	9.500mV
4	10.0014 V	10.0040 V	0.003 V	P	0.019 V
4	5.0006 V	5.0007 V	0.000 V	P	0.017 V
4	2.5001 V	2.5024 V	0.002 V	P	0.015 V
4	2.0001 V	2.0019 V	0.002 V	P	0.015 V
4	1.0000 V	1.0009 V	0.001 V	P	0.015 V
4	0.5000 V	0.5007 V	0.001 V	P	0.014 V
4	0.0901 V	0.0922 V	0.002 V	P	0.014 V
4	-0.0755mV	0.0571mV	0.000 V	P	0.014 V
4	-0.0902 V	-0.0881 V	0.002 V	P	0.014 V
4	-0.5001 V	-0.5004 V	-0.000 V	P	0.014 V
4	-1.0001 V	-0.9981 V	0.002 V	P	0.015 V
4	-2.0002 V	-1.9996 V	0.001 V	P	0.015 V
4	-2.5002 V	-2.4998 V	0.000 V	P	0.015 V
4	-5.0007 V	-4.9993 V	0.001 V	P	0.017 V
4	-10.0014 V	-10.0031 V	-0.002 V	P	0.019 V
5	10.0014 V	10.0015 V	0.000 V	P	0.033 V
5	5.0006 V	5.0058 V	0.005 V	P	0.030 V
5	2.5001 V	2.5029 V	0.003 V	P	0.029 V
5	2.0001 V	2.0022 V	0.002 V	P	0.029 V
5	1.0000 V	1.0018 V	0.002 V	P	0.029 V
5	0.5000 V	0.5006 V	0.001 V	P	0.028 V
5	0.0901 V	0.0919 V	0.002 V	P	0.028 V
5	-0.0755mV	0.2884mV	0.000 V	P	0.028 V
5	-0.0902 V	-0.0871 V	0.003 V	P	0.028 V
5	-0.5001 V	-0.4986 V	0.001 V	P	0.028 V
5	-1.0001 V	-1.0005 V	-0.000 V	P	0.029 V
5	-2.0002 V	-1.9955 V	0.005 V	P	0.029 V
5	-2.5002 V	-2.4989 V	0.001 V	P	0.029 V
5	-5.0007 V	-4.9986 V	0.002 V	P	0.030 V
5	-10.0014 V	-10.0006 V	0.001 V	P	0.033 V
6	10.0014 V	10.0113 V	0.010 V	P	0.075 V
6	5.0006 V	5.0057 V	0.005 V	P	0.073 V

6	2.5001 V	2.5036 V	0.003 V	P	0.071 V
6	2.0001 V	2.0131 V	0.013 V	P	0.071 V
6	1.0000 V	1.0066 V	0.007 V	P	0.071 V
6	0.5000 V	0.5034 V	0.003 V	P	0.070 V
6	0.0901 V	0.0910 V	0.001 V	P	0.070 V
6	-0.0755mV	0.3809mV	0.000 V	P	0.070 V
6	-0.0902 V	-0.0816 V	0.009 V	P	0.070 V
6	-0.5001 V	-0.4898 V	0.010 V	P	0.070 V
6	-1.0001 V	-0.9942 V	0.006 V	P	0.071 V
6	-2.0002 V	-1.9969 V	0.003 V	P	0.071 V
6	-2.5002 V	-2.5023 V	-0.002 V	P	0.071 V
6	-5.0007 V	-4.9890 V	0.012 V	P	0.073 V
6	-10.0014 V	-9.9951 V	0.006 V	P	0.075 V
7	10.0014 V	10.0117 V	0.010 V	P	0.145 V
7	5.0006 V	5.0078 V	0.007 V	P	0.143 V
7	2.5001 V	2.5029 V	0.003 V	P	0.141 V
7	2.0001 V	2.0130 V	0.013 V	P	0.141 V
7	1.0000 V	1.0060 V	0.006 V	P	0.141 V
7	0.5000 V	0.4959 V	-0.004 V	P	0.140 V
7	0.0901 V	0.1081 V	0.018 V	P	0.140 V
7	-0.0755mV	0.7074mV	0.001 V	P	0.140 V
7	-0.0902 V	-0.0763 V	0.014 V	P	0.140 V
7	-0.5001 V	-0.4897 V	0.010 V	P	0.140 V
7	-1.0001 V	-0.9797 V	0.020 V	P	0.141 V
7	-2.0002 V	-1.9882 V	0.012 V	P	0.141 V
7	-2.5002 V	-2.4962 V	0.004 V	P	0.141 V
7	-5.0007 V	-5.0047 V	-0.004 V	P	0.143 V
7	-10.0014 V	-9.9786 V	0.023 V	P	0.145 V
8	10.0014 V	10.0147 V	0.013 V	P	0.285 V
8	5.0006 V	5.0059 V	0.005 V	P	0.283 V
8	2.5001 V	2.5030 V	0.003 V	P	0.281 V
8	2.0001 V	2.0126 V	0.012 V	P	0.281 V
8	1.0000 V	0.9932 V	-0.007 V	P	0.281 V
8	0.5000 V	0.5426 V	0.043 V	P	0.280 V
8	0.0901 V	0.1089 V	0.019 V	P	0.280 V
8	-0.0755mV	1.6323mV	0.002 V	P	0.280 V
8	-0.0902 V	-0.0944 V	-0.004 V	P	0.280 V
8	-0.5001 V	-0.4643 V	0.036 V	P	0.280 V
8	-1.0001 V	-0.9793 V	0.021 V	P	0.281 V
8	-2.0002 V	-1.9590 V	0.041 V	P	0.281 V
8	-2.5002 V	-2.4973 V	0.003 V	P	0.281 V
8	-5.0007 V	-4.9943 V	0.006 V	P	0.283 V

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 8   -10.0014 V   -10.0094 V    -0.008 V   P      0.285 V


POS=18 PIN= 0 12 Bit ADC , Precision Mode, High speed path
Rng   Programmed    Measured     Error(P/F)      Limit
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4	0.5001 V	0.5001 V	-0.031mV	P	0.405mV
4	0.0901 V	0.0901 V	-0.002mV	P	0.401mV
4	-0.0572mV	-0.0877mV	-0.030mV	P	0.400mV
4	-0.0902 V	-0.0903 V	-0.015mV	P	0.401mV
4	-0.5002 V	-0.5002 V	0.014mV	P	0.405mV
4	-1.0003 V	-1.0003 V	-0.010mV	P	0.410mV
4	-2.0005 V	-2.0006 V	-0.045mV	P	0.420mV
4	-2.5006 V	-2.5007 V	-0.039mV	P	0.425mV
4	-5.0015 V	-5.0015 V	-0.057mV	P	0.450mV
4	-10.0031 V	-10.0031 V	-0.071mV	P	0.500mV
5	10.0032 V	10.0030 V	-0.171mV	P	0.850mV
5	5.0014 V	5.0013 V	-0.130mV	P	0.775mV
5	2.5005 V	2.5004 V	-0.162mV	P	0.737mV
5	2.0004 V	2.0003 V	-0.089mV	P	0.730mV
5	1.0002 V	1.0001 V	-0.149mV	P	0.715mV
5	0.5001 V	0.5000 V	-0.037mV	P	0.708mV
5	0.0901 V	0.0901 V	-0.044mV	P	0.701mV
5	-0.0572mV	-0.1567mV	-0.099mV	P	0.700mV
5	-0.0902 V	-0.0903 V	-0.069mV	P	0.701mV
5	-0.5002 V	-0.5003 V	-0.074mV	P	0.708mV
5	-1.0003 V	-1.0003 V	-0.007mV	P	0.715mV
5	-2.0005 V	-2.0006 V	-0.069mV	P	0.730mV
5	-2.5006 V	-2.5008 V	-0.144mV	P	0.737mV
5	-5.0015 V	-5.0015 V	-0.025mV	P	0.775mV
5	-10.0031 V	-10.0031 V	-0.050mV	P	0.850mV
6	10.0032 V	10.0032 V	-0.006mV	P	1.550mV
6	5.0014 V	5.0014 V	-0.018mV	P	1.475mV
6	2.5005 V	2.5004 V	-0.162mV	P	1.438mV
6	2.0004 V	2.0005 V	0.108mV	P	1.430mV
6	1.0002 V	1.0002 V	0.010mV	P	1.415mV
6	0.5001 V	0.5001 V	-0.025mV	P	1.408mV
6	0.0901 V	0.0901 V	-0.001mV	P	1.401mV
6	-0.0572mV	-0.1672mV	-0.110mV	P	1.400mV
6	-0.0902 V	-0.0903 V	-0.056mV	P	1.401mV
6	-0.5002 V	-0.5002 V	0.039mV	P	1.408mV
6	-1.0003 V	-1.0003 V	0.021mV	P	1.415mV
6	-2.0005 V	-2.0005 V	0.016mV	P	1.430mV
6	-2.5006 V	-2.5005 V	0.100mV	P	1.438mV
6	-5.0015 V	-5.0015 V	-0.018mV	P	1.475mV
6	-10.0031 V	-10.0032 V	-0.145mV	P	1.550mV
7	10.0032 V	10.0030 V	-0.222mV	P	2.550mV

7	5.0014 V	5.0010 V	-0.387mV	P	2.475mV
7	2.5005 V	2.5006 V	0.111mV	P	2.438mV
7	2.0004 V	2.0004 V	-0.005mV	P	2.430mV
7	1.0002 V	1.0001 V	-0.111mV	P	2.415mV
7	0.5001 V	0.4999 V	-0.153mV	P	2.407mV
7	0.0901 V	0.0898 V	-0.292mV	P	2.401mV
7	-0.0572mV	-0.3394mV	-0.282mV	P	2.400mV
7	-0.0902 V	-0.0904 V	-0.133mV	P	2.401mV
7	-0.5002 V	-0.5002 V	-0.007mV	P	2.407mV
7	-1.0003 V	-1.0004 V	-0.089mV	P	2.415mV
7	-2.0005 V	-2.0005 V	-0.041mV	P	2.430mV
7	-2.5006 V	-2.5008 V	-0.166mV	P	2.438mV
7	-5.0015 V	-5.0012 V	0.214mV	P	2.475mV
7	-10.0031 V	-10.0032 V	-0.113mV	P	2.550mV
8	10.0032 V	10.0025 V	-0.678mV	P	4.950mV
8	5.0014 V	5.0018 V	0.348mV	P	4.875mV
8	2.5005 V	2.5011 V	0.599mV	P	4.837mV
8	2.0004 V	2.0003 V	-0.136mV	P	4.830mV
8	1.0002 V	1.0000 V	-0.189mV	P	4.815mV
8	0.5001 V	0.4998 V	-0.285mV	P	4.807mV
8	0.0901 V	0.0900 V	-0.136mV	P	4.801mV
8	-0.0572mV	-0.6045mV	-0.547mV	P	4.800mV
8	-0.0902 V	-0.0901 V	0.087mV	P	4.801mV
8	-0.5002 V	-0.5000 V	0.202mV	P	4.807mV
8	-1.0003 V	-1.0008 V	-0.473mV	P	4.815mV
8	-2.0005 V	-2.0007 V	-0.152mV	P	4.830mV
8	-2.5006 V	-2.5015 V	-0.853mV	P	4.837mV
8	-5.0015 V	-5.0017 V	-0.278mV	P	4.875mV
8	-10.0031 V	-10.0027 V	0.332mV	P	4.950mV

POS=18 PIN= 1 16 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5001 V	0.5001 V	-0.011mV	P	0.335mV
0	0.0901 V	0.0901 V	-0.026mV	P	0.306mV
0	-0.0572mV	-0.0687mV	-0.011mV	P	0.300mV
0	-0.0902 V	-0.0903 V	-0.018mV	P	0.306mV
0	-0.5002 V	-0.5002 V	-0.016mV	P	0.335mV
1	1.0002 V	1.0002 V	-0.019mV	P	0.410mV
1	0.5001 V	0.5001 V	-0.010mV	P	0.380mV
1	0.0901 V	0.0900 V	-0.049mV	P	0.355mV

1	-0.0572mV	-0.0719mV	-0.015mV	P	0.350mV
1	-0.0902 V	-0.0903 V	-0.024mV	P	0.355mV
1	-0.5002 V	-0.5002 V	-0.031mV	P	0.380mV
1	-1.0003 V	-1.0004 V	-0.036mV	P	0.410mV
2	2.0004 V	2.0004 V	-0.026mV	P	0.500mV
2	1.0002 V	1.0002 V	-0.018mV	P	0.450mV
2	0.5001 V	0.5000 V	-0.056mV	P	0.425mV
2	0.0901 V	0.0900 V	-0.067mV	P	0.405mV
2	-0.0572mV	-0.0712mV	-0.014mV	P	0.400mV
2	-0.0902 V	-0.0903 V	-0.028mV	P	0.405mV
2	-0.5002 V	-0.5003 V	-0.082mV	P	0.425mV
2	-1.0003 V	-1.0004 V	-0.067mV	P	0.450mV
2	-2.0005 V	-2.0006 V	-0.077mV	P	0.500mV
3	5.0014 V	5.0014 V	-0.060mV	P	0.950mV
3	2.5005 V	2.5005 V	-0.028mV	P	0.825mV
3	2.0004 V	2.0003 V	-0.086mV	P	0.800mV
3	1.0002 V	1.0001 V	-0.092mV	P	0.750mV
3	0.5001 V	0.5000 V	-0.068mV	P	0.725mV
3	0.0901 V	0.0899 V	-0.203mV	P	0.704mV
3	-0.0572mV	-0.0476mV	0.010mV	P	0.700mV
3	-0.0902 V	-0.0904 V	-0.135mV	P	0.704mV
3	-0.5002 V	-0.5004 V	-0.199mV	P	0.725mV
3	-1.0003 V	-1.0006 V	-0.258mV	P	0.750mV
3	-2.0005 V	-2.0007 V	-0.214mV	P	0.800mV
3	-2.5006 V	-2.5008 V	-0.190mV	P	0.825mV
3	-5.0015 V	-5.0017 V	-0.211mV	P	0.950mV
4	10.0032 V	10.0031 V	-0.100mV	P	1.700mV
4	5.0014 V	5.0014 V	-0.060mV	P	1.450mV
4	2.5005 V	2.5003 V	-0.265mV	P	1.325mV
4	2.0004 V	2.0003 V	-0.148mV	P	1.300mV
4	1.0002 V	1.0001 V	-0.138mV	P	1.250mV
4	0.5001 V	0.5000 V	-0.121mV	P	1.225mV
4	0.0901 V	0.0898 V	-0.252mV	P	1.205mV
4	-0.0572mV	-0.0056mV	0.052mV	P	1.200mV
4	-0.0902 V	-0.0906 V	-0.359mV	P	1.205mV
4	-0.5002 V	-0.5006 V	-0.353mV	P	1.225mV
4	-1.0003 V	-1.0007 V	-0.394mV	P	1.250mV
4	-2.0005 V	-2.0010 V	-0.507mV	P	1.300mV
4	-2.5006 V	-2.5011 V	-0.460mV	P	1.325mV
4	-5.0015 V	-5.0018 V	-0.381mV	P	1.450mV
4	-10.0031 V	-10.0035 V	-0.402mV	P	1.700mV

5	10.0032 V	10.0031 V	-0.120mV	P	2.900mV
5	5.0014 V	5.0009 V	-0.580mV	P	2.550mV
5	2.5005 V	2.4998 V	-0.711mV	P	2.375mV
5	2.0004 V	2.0000 V	-0.421mV	P	2.340mV
5	1.0002 V	0.9998 V	-0.439mV	P	2.270mV
5	0.5001 V	0.4992 V	-0.856mV	P	2.235mV
5	0.0901 V	0.0902 V	0.065mV	P	2.206mV
5	-0.0572mV	-0.2021mV	-0.145mV	P	2.200mV
5	-0.0902 V	-0.0909 V	-0.640mV	P	2.206mV
5	-0.5002 V	-0.5007 V	-0.470mV	P	2.235mV
5	-1.0003 V	-1.0009 V	-0.565mV	P	2.270mV
5	-2.0005 V	-2.0011 V	-0.615mV	P	2.340mV
5	-2.5006 V	-2.5013 V	-0.727mV	P	2.375mV
5	-5.0015 V	-5.0024 V	-0.929mV	P	2.550mV
5	-10.0031 V	-10.0039 V	-0.803mV	P	2.900mV

6	10.0032 V	10.0024 V	-0.833mV	P	5.700mV
6	5.0014 V	5.0006 V	-0.837mV	P	5.350mV
6	2.5005 V	2.4995 V	-0.997mV	P	5.175mV
6	2.0004 V	1.9982 V	-2.240mV	P	5.140mV
6	1.0002 V	0.9978 V	-2.397mV	P	5.070mV
6	0.5001 V	0.4984 V	-1.718mV	P	5.035mV
6	0.0901 V	0.0894 V	-0.726mV	P	5.006mV
6	-0.0572mV	0.0306mV	0.088mV	P	5.000mV
6	-0.0902 V	-0.0912 V	-0.991mV	P	5.006mV
6	-0.5002 V	-0.5012 V	-0.997mV	P	5.035mV
6	-1.0003 V	-1.0014 V	-1.099mV	P	5.070mV
6	-2.0005 V	-2.0017 V	-1.231mV	P	5.140mV
6	-2.5006 V	-2.5021 V	-1.525mV	P	5.175mV
6	-5.0015 V	-5.0033 V	-1.838mV	P	5.350mV
6	-10.0031 V	-10.0057 V	-2.609mV	P	5.700mV

7	10.0032 V	10.0017 V	-0.001 V	P	0.011 V
7	5.0014 V	5.0001 V	-0.001 V	P	0.010 V
7	2.5005 V	2.4962 V	-0.004 V	P	0.010 V
7	2.0004 V	1.9958 V	-0.005 V	P	0.010 V
7	1.0002 V	0.9968 V	-0.003 V	P	0.010 V
7	0.5001 V	0.4999 V	-0.000 V	P	0.010 V
7	0.0901 V	0.0889 V	-0.001 V	P	0.010 V
7	-0.0572mV	0.5366mV	0.001 V	P	0.010 V
7	-0.0902 V	-0.0919 V	-0.002 V	P	0.010 V
7	-0.5002 V	-0.5031 V	-0.003 V	P	0.010 V
7	-1.0003 V	-1.0024 V	-0.002 V	P	0.010 V

7	-2.0005 V	-2.0025 V	-0.002 V	P	0.010 V
7	-2.5006 V	-2.5025 V	-0.002 V	P	0.010 V
7	-5.0015 V	-5.0047 V	-0.003 V	P	0.010 V
7	-10.0031 V	-10.0071 V	-0.004 V	P	0.011 V
8	10.0032 V	10.0003 V	-0.003 V	P	0.021 V
8	5.0014 V	4.9930 V	-0.008 V	P	0.020 V
8	2.5005 V	2.4935 V	-0.007 V	P	0.020 V
8	2.0004 V	1.9937 V	-0.007 V	P	0.020 V
8	1.0002 V	1.0000 V	-0.000 V	P	0.020 V
8	0.5001 V	0.4982 V	-0.002 V	P	0.020 V
8	0.0901 V	0.0880 V	-0.002 V	P	0.020 V
8	-0.0572mV	0.8831mV	0.001 V	P	0.020 V
8	-0.0902 V	-0.0932 V	-0.003 V	P	0.020 V
8	-0.5002 V	-0.5056 V	-0.005 V	P	0.020 V
8	-1.0003 V	-1.0059 V	-0.006 V	P	0.020 V
8	-2.0005 V	-2.0044 V	-0.004 V	P	0.020 V
8	-2.5006 V	-2.5020 V	-0.001 V	P	0.020 V
8	-5.0015 V	-5.0054 V	-0.004 V	P	0.020 V
8	-10.0031 V	-10.0089 V	-0.006 V	P	0.021 V

POS=18 PIN= 1 12 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5001 V	0.5001 V	-0.017mV	P	6.250mV
0	0.0901 V	0.0902 V	0.056mV	P	6.045mV
0	-0.0572mV	0.0005mV	0.058mV	P	6.000mV
0	-0.0902 V	-0.0902 V	0.067mV	P	6.045mV
0	-0.5002 V	-0.5001 V	0.115mV	P	6.250mV
1	1.0002 V	1.0002 V	-0.012mV	P	6.500mV
1	0.5001 V	0.5001 V	0.035mV	P	6.250mV
1	0.0901 V	0.0902 V	0.072mV	P	6.045mV
1	-0.0572mV	0.0117mV	0.069mV	P	6.000mV
1	-0.0902 V	-0.0901 V	0.118mV	P	6.045mV
1	-0.5002 V	-0.5000 V	0.249mV	P	6.250mV
1	-1.0003 V	-1.0000 V	0.302mV	P	6.500mV
2	2.0004 V	2.0004 V	-0.025mV	P	7.000mV
2	1.0002 V	1.0003 V	0.082mV	P	6.500mV
2	0.5001 V	0.4999 V	-0.217mV	P	6.250mV
2	0.0901 V	0.0902 V	0.064mV	P	6.045mV
2	-0.0572mV	0.0429mV	0.100mV	P	6.000mV

2	-0.0902 V	-0.0899 V	0.293mV	P	6.045mV
2	-0.5002 V	-0.4997 V	0.505mV	P	6.250mV
2	-1.0003 V	-0.9997 V	0.621mV	P	6.500mV
2	-2.0005 V	-1.9999 V	0.572mV	P	7.000mV
3	5.0014 V	5.0012 V	-0.223mV	P	9.500mV
3	2.5005 V	2.5008 V	0.305mV	P	8.250mV
3	2.0004 V	2.0000 V	-0.394mV	P	8.000mV
3	1.0002 V	1.0006 V	0.405mV	P	7.500mV
3	0.5001 V	0.5001 V	0.004mV	P	7.250mV
3	0.0901 V	0.0907 V	0.614mV	P	7.045mV
3	-0.0572mV	0.0815mV	0.139mV	P	7.000mV
3	-0.0902 V	-0.0896 V	0.607mV	P	7.045mV
3	-0.5002 V	-0.4997 V	0.495mV	P	7.250mV
3	-1.0003 V	-0.9995 V	0.849mV	P	7.500mV
3	-2.0005 V	-1.9989 V	1.579mV	P	8.000mV
3	-2.5006 V	-2.4989 V	1.763mV	P	8.250mV
3	-5.0015 V	-5.0000 V	1.410mV	P	9.500mV
4	10.0032 V	10.0026 V	-0.001 V	P	0.019 V
4	5.0014 V	5.0020 V	0.001 V	P	0.017 V
4	2.5005 V	2.4993 V	-0.001 V	P	0.015 V
4	2.0004 V	2.0012 V	0.001 V	P	0.015 V
4	1.0002 V	1.0003 V	0.000 V	P	0.015 V
4	0.5001 V	0.4999 V	-0.000 V	P	0.014 V
4	0.0901 V	0.0921 V	0.002 V	P	0.014 V
4	-0.0572mV	0.1738mV	0.000 V	P	0.014 V
4	-0.0902 V	-0.0891 V	0.001 V	P	0.014 V
4	-0.5002 V	-0.4989 V	0.001 V	P	0.014 V
4	-1.0003 V	-0.9994 V	0.001 V	P	0.015 V
4	-2.0005 V	-1.9990 V	0.001 V	P	0.015 V
4	-2.5006 V	-2.4987 V	0.002 V	P	0.015 V
4	-5.0015 V	-4.9979 V	0.004 V	P	0.017 V
4	-10.0031 V	-10.0004 V	0.003 V	P	0.019 V
5	10.0032 V	10.0033 V	0.000 V	P	0.033 V
5	5.0014 V	4.9995 V	-0.002 V	P	0.030 V
5	2.5005 V	2.5015 V	0.001 V	P	0.029 V
5	2.0004 V	2.0012 V	0.001 V	P	0.029 V
5	1.0002 V	1.0003 V	0.000 V	P	0.029 V
5	0.5001 V	0.5012 V	0.001 V	P	0.028 V
5	0.0901 V	0.0928 V	0.003 V	P	0.028 V
5	-0.0572mV	0.9887mV	0.001 V	P	0.028 V
5	-0.0902 V	-0.0870 V	0.003 V	P	0.028 V

5	-0.5002 V	-0.4995 V	0.001 V	P	0.028 V
5	-1.0003 V	-0.9968 V	0.003 V	P	0.029 V
5	-2.0005 V	-1.9986 V	0.002 V	P	0.029 V
5	-2.5006 V	-2.4979 V	0.003 V	P	0.029 V
5	-5.0015 V	-4.9977 V	0.004 V	P	0.030 V
5	-10.0031 V	-9.9967 V	0.006 V	P	0.033 V
6	10.0032 V	10.0058 V	0.003 V	P	0.075 V
6	5.0014 V	5.0017 V	0.000 V	P	0.073 V
6	2.5005 V	2.4996 V	-0.001 V	P	0.071 V
6	2.0004 V	2.0070 V	0.007 V	P	0.071 V
6	1.0002 V	1.0054 V	0.005 V	P	0.071 V
6	0.5001 V	0.5091 V	0.009 V	P	0.070 V
6	0.0901 V	0.0968 V	0.007 V	P	0.070 V
6	-0.0572mV	1.1953mV	0.001 V	P	0.070 V
6	-0.0902 V	-0.0817 V	0.008 V	P	0.070 V
6	-0.5002 V	-0.4901 V	0.010 V	P	0.070 V
6	-1.0003 V	-0.9985 V	0.002 V	P	0.071 V
6	-2.0005 V	-1.9852 V	0.015 V	P	0.071 V
6	-2.5006 V	-2.4931 V	0.007 V	P	0.071 V
6	-5.0015 V	-4.9979 V	0.004 V	P	0.073 V
6	-10.0031 V	-9.9969 V	0.006 V	P	0.075 V
7	10.0032 V	10.0025 V	-0.001 V	P	0.145 V
7	5.0014 V	4.9992 V	-0.002 V	P	0.143 V
7	2.5005 V	2.5027 V	0.002 V	P	0.141 V
7	2.0004 V	2.0105 V	0.010 V	P	0.141 V
7	1.0002 V	1.0173 V	0.017 V	P	0.141 V
7	0.5001 V	0.5091 V	0.009 V	P	0.140 V
7	0.0901 V	0.1081 V	0.018 V	P	0.140 V
7	-0.0572mV	1.8473mV	0.002 V	P	0.140 V
7	-0.0902 V	-0.0706 V	0.020 V	P	0.140 V
7	-0.5002 V	-0.4889 V	0.011 V	P	0.140 V
7	-1.0003 V	-0.9806 V	0.020 V	P	0.141 V
7	-2.0005 V	-1.9975 V	0.003 V	P	0.141 V
7	-2.5006 V	-2.4989 V	0.002 V	P	0.141 V
7	-5.0015 V	-4.9880 V	0.013 V	P	0.143 V
7	-10.0031 V	-9.9959 V	0.007 V	P	0.145 V
8	10.0032 V	9.9993 V	-0.004 V	P	0.285 V
8	5.0014 V	5.0057 V	0.004 V	P	0.283 V
8	2.5005 V	2.5051 V	0.005 V	P	0.281 V
8	2.0004 V	2.0356 V	0.035 V	P	0.281 V
8	1.0002 V	1.0187 V	0.019 V	P	0.281 V

8	0.5001 V	0.5401 V	0.040 V	P	0.280 V
8	0.0901 V	0.1089 V	0.019 V	P	0.280 V
8	-0.0572mV	4.5639mV	0.005 V	P	0.280 V
8	-0.0902 V	-0.0826 V	0.008 V	P	0.280 V
8	-0.5002 V	-0.4567 V	0.043 V	P	0.280 V
8	-1.0003 V	-0.9780 V	0.022 V	P	0.281 V
8	-2.0005 V	-1.9602 V	0.040 V	P	0.281 V
8	-2.5006 V	-2.4950 V	0.006 V	P	0.281 V
8	-5.0015 V	-4.9980 V	0.003 V	P	0.283 V
8	-10.0031 V	-9.9777 V	0.025 V	P	0.285 V

POS=18 PIN= 1 12 Bit ADC , Precision Mode, High speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5001 V	0.5004 V	0.290mV	P	6.250mV
0	0.0901 V	0.0905 V	0.399mV	P	6.045mV
0	-0.0572mV	0.4301mV	0.487mV	P	6.000mV
0	-0.0902 V	-0.0899 V	0.376mV	P	6.045mV
0	-0.5002 V	-0.4998 V	0.387mV	P	6.250mV
1	1.0002 V	1.0005 V	0.311mV	P	6.500mV
1	0.5001 V	0.5004 V	0.337mV	P	6.250mV
1	0.0901 V	0.0906 V	0.469mV	P	6.045mV
1	-0.0572mV	0.4679mV	0.525mV	P	6.000mV
1	-0.0902 V	-0.0898 V	0.457mV	P	6.045mV
1	-0.5002 V	-0.4997 V	0.482mV	P	6.250mV
1	-1.0003 V	-1.0000 V	0.357mV	P	6.500mV
2	2.0004 V	2.0006 V	0.206mV	P	7.000mV
2	1.0002 V	1.0009 V	0.732mV	P	6.500mV
2	0.5001 V	0.5007 V	0.647mV	P	6.250mV
2	0.0901 V	0.0908 V	0.698mV	P	6.045mV
2	-0.0572mV	1.0671mV	1.124mV	P	6.000mV
2	-0.0902 V	-0.0891 V	1.105mV	P	6.045mV
2	-0.5002 V	-0.4989 V	1.334mV	P	6.250mV
2	-1.0003 V	-0.9991 V	1.233mV	P	6.500mV
2	-2.0005 V	-1.9993 V	1.179mV	P	7.000mV

Cal Air Temp = 29.9 deg C
Chk Air Temp = 30.1 deg C
Delta Air Temp = 0.1 deg C

Cal Ctl Temp = 33.3 deg C

Chk Ctl Temp = 33.2 deg C
Delta Ctl Temp = -0.2 deg C

Last Calibration Date: 10/26/22 13:06.12
(10/26/22 13:17.13 - CAL REV:2015) CHK STATUS: PASS

Cal QMS19: SN REV 17

b.VrefPos10	1.000103000000e+001
b.VrefPos5	5.000653270000e+000
b.VrefPos2p5	2.500184540000e+000
b.VrefPos2	2.000112770000e+000
b.VrefPos1	1.000107650000e+000
b.VrefPosp5	4.999906720000e-001
b.VrefPosp1	9.006906300000e-002
b.VrefPos0	-7.387458750000e-005
b.VrefNeg10	-1.000120830000e+001
b.VrefNeg5	-5.000799660000e+000
b.VrefNeg2p5	-2.500316860000e+000
b.VrefNeg2	-2.000241990000e+000
b.VrefNeg1	-1.000233170000e+000
b.VrefNegp5	-5.001125340000e-001
b.VrefNegp1	-9.018649910000e-002
b.VrefNeg0	-4.164070920000e-005
c.PostSnOfstTD5_50x	0x4c0
c.PostSnOfstTD5_10x	0x411
c.PostSnOfstTD5_5x	0x3ec
c.PostSnOfstTD5_1x	0x3d9
d.PostSnLSB_50x	6.112931166873e-006
d.PostSnLSB_10x	3.396447668775e-005
d.PostSnLSB_5x	6.113171961885e-005
d.PostSnLSB_1x	3.396538116187e-004
e.Pos10p02	1.003090664672e+001
e.Neg10p02	-1.003088945328e+001
f.RefDacInvOfstTD2	0x560
g.PreSnOfstTD0_p5	0x71a
g.PreSnOfstTD0_1	0x76d
g.PreSnOfstTD0_2	0x792
g.PreSnOfstTD0_5	0x7ee
g.PreSnOfstTD0_10	0x7f7
g.PreSnOfstTD0_20	0x770

g.PreSnOfstTD0_50	0x7e7
g.PreSnOfstTD0_100	0x7f8
g.PreSnOfstTD0_200	0x7fc
h.RefDacInvGainTD1	0x6c8
h.RefDacInvLSB	3.051757839322e-004
i.RefDacLinTD4[_0]	0x799
i.RefDacLinTD4[_1]	0x7bb
i.RefDacLinTD4[_2]	0x819
i.RefDacLinTD4[_3]	0x828
i.RefDacLinTD4[_4]	0x779
i.RefDacLinTD4[_5]	0x78c
i.RefDacLinTD4[_6]	0x7ec
i.RefDacLinTD4[_7]	0x7ea
i.RefDacLinTD4[_8]	0x6c6
i.RefDacLinTD4[_9]	0x6dc
i.RefDacLinTD4[10]	0x733
i.RefDacLinTD4[11]	0x72d
i.RefDacLinTD4[12]	0x6b5
i.RefDacLinTD4[13]	0x6c4
i.RefDacLinTD4[14]	0x713
i.RefDacLinTD4[15]	0x70b
i.RefDacLinTD4[16]	0x697
i.RefDacLinTD4[17]	0x6a1
i.RefDacLinTD4[18]	0x6f3
i.RefDacLinTD4[19]	0x6e5
i.RefDacLinTD4[20]	0x6d2
i.RefDacLinTD4[21]	0x6df
i.RefDacLinTD4[22]	0x724
i.RefDacLinTD4[23]	0x715
i.RefDacLinTD4[24]	0x675
i.RefDacLinTD4[25]	0x675
i.RefDacLinTD4[26]	0x6bc
i.RefDacLinTD4[27]	0x6ad
i.RefDacLinTD4[28]	0x63a
i.RefDacLinTD4[29]	0x63d
i.RefDacLinTD4[30]	0x68a
i.RefDacLinTD4[31]	0x676
i.RefDacLinTD4[32]	0x640
i.RefDacLinTD4[33]	0x642
i.RefDacLinTD4[34]	0x68f
i.RefDacLinTD4[35]	0x683
i.RefDacLinTD4[36]	0x589
i.RefDacLinTD4[37]	0x58f
i.RefDacLinTD4[38]	0x5e0

i.RefDacLinTD4[39] 0x5d5
i.RefDacLinTD4[40] 0x659
i.RefDacLinTD4[41] 0x66c
i.RefDacLinTD4[42] 0x6c4
i.RefDacLinTD4[43] 0x6b9
i.RefDacLinTD4[44] 0x62c
i.RefDacLinTD4[45] 0x638
i.RefDacLinTD4[46] 0x695
i.RefDacLinTD4[47] 0x692
i.RefDacLinTD4[48] 0x5e0
i.RefDacLinTD4[49] 0x5f5
i.RefDacLinTD4[50] 0x658
i.RefDacLinTD4[51] 0x663
i.RefDacLinTD4[52] 0x5fd
i.RefDacLinTD4[53] 0x620
i.RefDacLinTD4[54] 0x680
i.RefDacLinTD4[55] 0x689
i.RefDacLinTD4[56] 0x6c7
i.RefDacLinTD4[57] 0x6ee
i.RefDacLinTD4[58] 0x758
i.RefDacLinTD4[59] 0x772
i.RefDacLinTD4[60] 0x6de
i.RefDacLinTD4[61] 0x716
i.RefDacLinTD4[62] 0x78f
i.RefDacLinTD4[63] 0x7a9
j.PreSnGain_1x 9.999825847137e-001
j.PreSnGain_2x 2.000069705128e+000
j.PreSnGain_4x 4.000175780437e+000
j.PreSnGain_5x 5.000706334799e+000
j.PreSnGain_10x 1.000193694623e+001
j.PreSnGain_20x 2.000408068666e+001
k.DivBy20Gain 2.000136342354e+001
l.Adc2_OfstTD5_50x 0x40f
l.Adc2_OfstTD5_10x 0x40b
l.Adc2_OfstTD5_5x 0x409
l.Adc2_OfstTD5_1x 0x40a
m.Adc2LSB_50x 9.783205541384e-005
m.Adc2LSB_10x 5.435343510870e-004
m.Adc2LSB_5x 9.784009880166e-004
m.Adc2LSB_1x 5.435572244565e-003
n.HighSpeedOfstTD5_4x 0x42a
n.HighSpeedOfstTD5_2x 0x42f
n.HighSpeedOfstTD5_1x 0x431
o.HighSpeedGainLSB_4x 2.705906942641e-004

o.HighSpeedGainLSB_2x 5.403405780659e-004
o.HighSpeedGainLSB_1x 1.080009384449e-003
TempTD3 0x684
AirTemp 34.6 deg C
CtlTemp 45.2 deg C

EEPROM verified OK

b.VrefPos10 1.000298880000e+001
b.VrefPos5 5.001576420000e+000
b.VrefPos2p5 2.500690700000e+000
b.VrefPos2 2.000560520000e+000
b.VrefPos1 1.000310900000e+000
b.VrefPosp5 5.001692770000e-001
b.VrefPosp1 9.015951310000e-002
b.VrefPos0 1.637902820000e-005
b.VrefNeg10 -1.000259690000e+001
b.VrefNeg5 -5.001363280000e+000
b.VrefNeg2p5 -2.500569340000e+000
b.VrefNeg2 -2.000456330000e+000
b.VrefNeg1 -1.000241520000e+000
b.VrefNegp5 -5.001176000000e-001
b.VrefNegp1 -9.012135120000e-002
b.VrefNeg0 1.897419860000e-005
c.PostSnOfstTD5_50x 0x453
c.PostSnOfstTD5_10x 0x3a0
c.PostSnOfstTD5_5x 0x3b1
c.PostSnOfstTD5_1x 0x39c
d.PostSnLSB_50x 6.112413357600e-006
d.PostSnLSB_10x 3.395966568829e-005
d.PostSnLSB_5x 6.112734198209e-005
d.PostSnLSB_1x 3.396138231774e-004
e.Pos10p02 1.003272733057e+001
e.Neg10p02 -1.003272146943e+001
f.RefDacInvOfstTD2 0x50b
g.PreSnOfstTD0_p5 0x7bc
g.PreSnOfstTD0_1 0x7d6
g.PreSnOfstTD0_2 0x7e9
g.PreSnOfstTD0_5 0x80e
g.PreSnOfstTD0_10 0x80f
g.PreSnOfstTD0_20 0x7d8
g.PreSnOfstTD0_50 0x809

g.PreSnOfstTD0_100	0x811
g.PreSnOfstTD0_200	0x814
h.RefDacInvGainTD1	0x71d
h.RefDacInvLSB	3.051757839322e-004
i.RefDacLinTD4[_0]	0x894
i.RefDacLinTD4[_1]	0x860
i.RefDacLinTD4[_2]	0x806
i.RefDacLinTD4[_3]	0x7b1
i.RefDacLinTD4[_4]	0x9dd
i.RefDacLinTD4[_5]	0x99b
i.RefDacLinTD4[_6]	0x945
i.RefDacLinTD4[_7]	0x8e8
i.RefDacLinTD4[_8]	0x97e
i.RefDacLinTD4[_9]	0x938
i.RefDacLinTD4[10]	0x8d1
i.RefDacLinTD4[11]	0x83b
i.RefDacLinTD4[12]	0xa9f
i.RefDacLinTD4[13]	0xa56
i.RefDacLinTD4[14]	0x9fb
i.RefDacLinTD4[15]	0x989
i.RefDacLinTD4[16]	0xb64
i.RefDacLinTD4[17]	0xb25
i.RefDacLinTD4[18]	0xab3
i.RefDacLinTD4[19]	0xa50
i.RefDacLinTD4[20]	0xa0d
i.RefDacLinTD4[21]	0x9d6
i.RefDacLinTD4[22]	0x95f
i.RefDacLinTD4[23]	0x8f4
i.RefDacLinTD4[24]	0xab7
i.RefDacLinTD4[25]	0xa69
i.RefDacLinTD4[26]	0x9fd
i.RefDacLinTD4[27]	0x98d
i.RefDacLinTD4[28]	0xb3c
i.RefDacLinTD4[29]	0xadd
i.RefDacLinTD4[30]	0xa6a
i.RefDacLinTD4[31]	0xa08
i.RefDacLinTD4[32]	0xb0b
i.RefDacLinTD4[33]	0xaba
i.RefDacLinTD4[34]	0xa45
i.RefDacLinTD4[35]	0x9d6
i.RefDacLinTD4[36]	0xb3a
i.RefDacLinTD4[37]	0xa29
i.RefDacLinTD4[38]	0x9a0
i.RefDacLinTD4[39]	0xa33

i.RefDacLinTD4[40] 0xb35
i.RefDacLinTD4[41] 0xaec
i.RefDacLinTD4[42] 0xa88
i.RefDacLinTD4[43] 0xa23
i.RefDacLinTD4[44] 0xb5b
i.RefDacLinTD4[45] 0xb22
i.RefDacLinTD4[46] 0xab8
i.RefDacLinTD4[47] 0xa57
i.RefDacLinTD4[48] 0xa6f
i.RefDacLinTD4[49] 0xa2e
i.RefDacLinTD4[50] 0x9cd
i.RefDacLinTD4[51] 0x984
i.RefDacLinTD4[52] 0xa52
i.RefDacLinTD4[53] 0xa20
i.RefDacLinTD4[54] 0x9b3
i.RefDacLinTD4[55] 0x967
i.RefDacLinTD4[56] 0x923
i.RefDacLinTD4[57] 0x8e7
i.RefDacLinTD4[58] 0x8c8
i.RefDacLinTD4[59] 0x860
i.RefDacLinTD4[60] 0x8e9
i.RefDacLinTD4[61] 0x89f
i.RefDacLinTD4[62] 0x87e
i.RefDacLinTD4[63] 0x843
j.PreSnGain_1x 1.000001828022e+000
j.PreSnGain_2x 2.000107512184e+000
j.PreSnGain_4x 4.000239056360e+000
j.PreSnGain_5x 5.000555196045e+000
j.PreSnGain_10x 1.000162939290e+001
j.PreSnGain_20x 2.000339286327e+001
k.DivBy20Gain 2.000393295419e+001
l.Adc2_OfstTD5_50x 0x404
l.Adc2_OfstTD5_10x 0x402
l.Adc2_OfstTD5_5x 0x400
l.Adc2_OfstTD5_1x 0x401
m.Adc2LSB_50x 9.771320558266e-005
m.Adc2LSB_10x 5.428965411126e-004
m.Adc2LSB_5x 9.773094382022e-004
m.Adc2LSB_1x 5.429003907734e-003
n.HighSpeedOfstTD5_4x 0x416
n.HighSpeedOfstTD5_2x 0x41f
n.HighSpeedOfstTD5_1x 0x420
o.HighSpeedGainLSB_4x 2.701287812584e-004
o.HighSpeedGainLSB_2x 5.395233063646e-004

o.HighSpeedGainLSB_1x 1.078441199461e-003
TempTD3 0x78a
AirTemp 34.0 deg C
CtlTemp 46.6 deg C

EEPROM verified OK
(10/26/22 13:19.51 - CAL REV:2015) *** CAL RAM UPDATED ***

Check QMS19: SN REV 17

POS=19 PIN= 2 16 Bit ADC , High Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5000 V	0.005mV	P	0.240mV
0	0.0901 V	0.0901 V	0.006mV	P	0.232mV
0	-0.0771mV	-0.0704mV	0.007mV	P	0.230mV
0	-0.0902 V	-0.0902 V	-0.000mV	P	0.232mV
0	-0.5001 V	-0.5001 V	0.003mV	P	0.240mV
1	1.0001 V	1.0001 V	0.007mV	P	0.265mV
1	0.5000 V	0.5000 V	0.010mV	P	0.255mV
1	0.0901 V	0.0901 V	0.005mV	P	0.247mV
1	-0.0771mV	-0.0668mV	0.010mV	P	0.245mV
1	-0.0902 V	-0.0902 V	0.004mV	P	0.247mV
1	-0.5001 V	-0.5001 V	0.006mV	P	0.255mV
1	-1.0002 V	-1.0002 V	0.004mV	P	0.265mV
2	2.0001 V	2.0001 V	0.014mV	P	0.290mV
2	1.0001 V	1.0001 V	0.003mV	P	0.275mV
2	0.5000 V	0.5000 V	0.021mV	P	0.268mV
2	0.0901 V	0.0901 V	0.020mV	P	0.261mV
2	-0.0771mV	-0.0560mV	0.021mV	P	0.260mV
2	-0.0902 V	-0.0902 V	0.019mV	P	0.261mV
2	-0.5001 V	-0.5001 V	0.016mV	P	0.268mV
2	-1.0002 V	-1.0002 V	0.012mV	P	0.275mV
2	-2.0002 V	-2.0002 V	0.011mV	P	0.290mV
3	5.0006 V	5.0007 V	0.021mV	P	0.350mV
3	2.5002 V	2.5002 V	0.044mV	P	0.325mV
3	2.0001 V	2.0001 V	0.028mV	P	0.320mV
3	1.0001 V	1.0001 V	0.037mV	P	0.310mV

3	0.5000 V	0.5000 V	0.012mV	P	0.305mV
3	0.0901 V	0.0901 V	0.021mV	P	0.301mV
3	-0.0771mV	-0.0383mV	0.039mV	P	0.300mV
3	-0.0902 V	-0.0902 V	0.005mV	P	0.301mV
3	-0.5001 V	-0.5001 V	0.021mV	P	0.305mV
3	-1.0002 V	-1.0002 V	0.010mV	P	0.310mV
3	-2.0002 V	-2.0002 V	-0.001mV	P	0.320mV
3	-2.5003 V	-2.5003 V	0.032mV	P	0.325mV
3	-5.0008 V	-5.0008 V	0.022mV	P	0.350mV
4	10.0010 V	10.0011 V	0.054mV	P	0.500mV
4	5.0006 V	5.0007 V	0.088mV	P	0.450mV
4	2.5002 V	2.5003 V	0.093mV	P	0.425mV
4	2.0001 V	2.0002 V	0.073mV	P	0.420mV
4	1.0001 V	1.0001 V	0.027mV	P	0.410mV
4	0.5000 V	0.5000 V	0.031mV	P	0.405mV
4	0.0901 V	0.0901 V	-0.006mV	P	0.401mV
4	-0.0771mV	-0.0013mV	0.076mV	P	0.400mV
4	-0.0902 V	-0.0901 V	0.090mV	P	0.401mV
4	-0.5001 V	-0.5001 V	0.051mV	P	0.405mV
4	-1.0002 V	-1.0002 V	0.045mV	P	0.410mV
4	-2.0002 V	-2.0002 V	0.017mV	P	0.420mV
4	-2.5003 V	-2.5002 V	0.075mV	P	0.425mV
4	-5.0008 V	-5.0007 V	0.056mV	P	0.450mV
4	-10.0012 V	-10.0012 V	0.051mV	P	0.500mV
5	10.0010 V	10.0013 V	0.236mV	P	0.850mV
5	5.0006 V	5.0009 V	0.230mV	P	0.775mV
5	2.5002 V	2.5004 V	0.179mV	P	0.737mV
5	2.0001 V	2.0002 V	0.060mV	P	0.730mV
5	1.0001 V	1.0004 V	0.251mV	P	0.715mV
5	0.5000 V	0.5002 V	0.194mV	P	0.708mV
5	0.0901 V	0.0901 V	0.083mV	P	0.701mV
5	-0.0771mV	0.1233mV	0.200mV	P	0.700mV
5	-0.0902 V	-0.0901 V	0.075mV	P	0.701mV
5	-0.5001 V	-0.5001 V	0.024mV	P	0.708mV
5	-1.0002 V	-1.0001 V	0.111mV	P	0.715mV
5	-2.0002 V	-2.0002 V	0.087mV	P	0.730mV
5	-2.5003 V	-2.5002 V	0.152mV	P	0.737mV
5	-5.0008 V	-5.0007 V	0.123mV	P	0.775mV
5	-10.0012 V	-10.0011 V	0.096mV	P	0.850mV
6	10.0010 V	10.0013 V	0.245mV	P	1.550mV
6	5.0006 V	5.0006 V	-0.084mV	P	1.475mV

6	2.5002 V	2.5002 V	0.013mV	P	1.438mV
6	2.0001 V	2.0003 V	0.218mV	P	1.430mV
6	1.0001 V	1.0002 V	0.083mV	P	1.415mV
6	0.5000 V	0.4998 V	-0.182mV	P	1.408mV
6	0.0901 V	0.0902 V	0.141mV	P	1.401mV
6	-0.0771mV	0.1975mV	0.275mV	P	1.400mV
6	-0.0902 V	-0.0903 V	-0.109mV	P	1.401mV
6	-0.5001 V	-0.4998 V	0.275mV	P	1.408mV
6	-1.0002 V	-1.0003 V	-0.073mV	P	1.415mV
6	-2.0002 V	-1.9999 V	0.321mV	P	1.430mV
6	-2.5003 V	-2.5002 V	0.134mV	P	1.438mV
6	-5.0008 V	-5.0008 V	0.029mV	P	1.475mV
6	-10.0012 V	-10.0014 V	-0.146mV	P	1.550mV
7	10.0010 V	10.0009 V	-0.163mV	P	2.550mV
7	5.0006 V	5.0006 V	-0.095mV	P	2.475mV
7	2.5002 V	2.5002 V	0.013mV	P	2.438mV
7	2.0001 V	2.0001 V	-0.017mV	P	2.430mV
7	1.0001 V	0.9997 V	-0.435mV	P	2.415mV
7	0.5000 V	0.4996 V	-0.377mV	P	2.407mV
7	0.0901 V	0.0904 V	0.364mV	P	2.401mV
7	-0.0771mV	0.3186mV	0.396mV	P	2.400mV
7	-0.0902 V	-0.0896 V	0.620mV	P	2.401mV
7	-0.5001 V	-0.4997 V	0.361mV	P	2.407mV
7	-1.0002 V	-0.9998 V	0.398mV	P	2.415mV
7	-2.0002 V	-2.0005 V	-0.224mV	P	2.430mV
7	-2.5003 V	-2.5007 V	-0.354mV	P	2.438mV
7	-5.0008 V	-5.0006 V	0.207mV	P	2.475mV
7	-10.0012 V	-10.0012 V	-0.013mV	P	2.550mV
8	10.0010 V	10.0009 V	-0.089mV	P	4.950mV
8	5.0006 V	5.0008 V	0.181mV	P	4.875mV
8	2.5002 V	2.5008 V	0.589mV	P	4.837mV
8	2.0001 V	2.0010 V	0.902mV	P	4.830mV
8	1.0001 V	1.0013 V	1.171mV	P	4.815mV
8	0.5000 V	0.4997 V	-0.293mV	P	4.807mV
8	0.0901 V	0.0896 V	-0.446mV	P	4.801mV
8	-0.0771mV	0.9670mV	1.044mV	P	4.800mV
8	-0.0902 V	-0.0900 V	0.140mV	P	4.801mV
8	-0.5001 V	-0.5000 V	0.149mV	P	4.807mV
8	-1.0002 V	-0.9990 V	1.188mV	P	4.815mV
8	-2.0002 V	-1.9991 V	1.108mV	P	4.830mV
8	-2.5003 V	-2.5005 V	-0.235mV	P	4.837mV
8	-5.0008 V	-5.0011 V	-0.279mV	P	4.875mV

8 -10.0012 V -10.0006 V 0.623mV P 4.950mV

POS=19 PIN= 2 16 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5000 V	-0.003mV	P	0.335mV
0	0.0901 V	0.0900 V	-0.016mV	P	0.306mV
0	-0.0771mV	-0.0789mV	-0.002mV	P	0.300mV
0	-0.0902 V	-0.0902 V	-0.009mV	P	0.306mV
0	-0.5001 V	-0.5001 V	-0.010mV	P	0.335mV
1	1.0001 V	1.0001 V	-0.006mV	P	0.410mV
1	0.5000 V	0.5000 V	-0.003mV	P	0.380mV
1	0.0901 V	0.0900 V	-0.043mV	P	0.355mV
1	-0.0771mV	-0.0863mV	-0.009mV	P	0.350mV
1	-0.0902 V	-0.0902 V	-0.005mV	P	0.355mV
1	-0.5001 V	-0.5001 V	-0.040mV	P	0.380mV
1	-1.0002 V	-1.0002 V	-0.017mV	P	0.410mV
2	2.0001 V	2.0001 V	-0.004mV	P	0.500mV
2	1.0001 V	1.0001 V	-0.007mV	P	0.450mV
2	0.5000 V	0.5000 V	-0.018mV	P	0.425mV
2	0.0901 V	0.0900 V	-0.068mV	P	0.405mV
2	-0.0771mV	-0.0878mV	-0.011mV	P	0.400mV
2	-0.0902 V	-0.0902 V	-0.017mV	P	0.405mV
2	-0.5001 V	-0.5002 V	-0.066mV	P	0.425mV
2	-1.0002 V	-1.0003 V	-0.073mV	P	0.450mV
2	-2.0002 V	-2.0003 V	-0.050mV	P	0.500mV
3	5.0006 V	5.0006 V	-0.041mV	P	0.950mV
3	2.5002 V	2.5002 V	-0.024mV	P	0.825mV
3	2.0001 V	2.0001 V	-0.022mV	P	0.800mV
3	1.0001 V	1.0000 V	-0.074mV	P	0.750mV
3	0.5000 V	0.4999 V	-0.060mV	P	0.725mV
3	0.0901 V	0.0900 V	-0.084mV	P	0.704mV
3	-0.0771mV	-0.1210mV	-0.044mV	P	0.700mV
3	-0.0902 V	-0.0903 V	-0.089mV	P	0.704mV
3	-0.5001 V	-0.5003 V	-0.209mV	P	0.725mV
3	-1.0002 V	-1.0004 V	-0.218mV	P	0.750mV
3	-2.0002 V	-2.0004 V	-0.165mV	P	0.800mV
3	-2.5003 V	-2.5006 V	-0.246mV	P	0.825mV
3	-5.0008 V	-5.0010 V	-0.154mV	P	0.950mV

4	10.0010 V	10.0009 V	-0.096mV	P	1.700mV
4	5.0006 V	5.0006 V	-0.045mV	P	1.450mV
4	2.5002 V	2.5001 V	-0.098mV	P	1.325mV
4	2.0001 V	1.9999 V	-0.198mV	P	1.300mV
4	1.0001 V	1.0000 V	-0.098mV	P	1.250mV
4	0.5000 V	0.4998 V	-0.215mV	P	1.225mV
4	0.0901 V	0.0897 V	-0.352mV	P	1.205mV
4	-0.0771mV	-0.1708mV	-0.094mV	P	1.200mV
4	-0.0902 V	-0.0904 V	-0.208mV	P	1.205mV
4	-0.5001 V	-0.5005 V	-0.348mV	P	1.225mV
4	-1.0002 V	-1.0006 V	-0.412mV	P	1.250mV
4	-2.0002 V	-2.0006 V	-0.405mV	P	1.300mV
4	-2.5003 V	-2.5007 V	-0.377mV	P	1.325mV
4	-5.0008 V	-5.0013 V	-0.518mV	P	1.450mV
4	-10.0012 V	-10.0015 V	-0.342mV	P	1.700mV
5	10.0010 V	10.0009 V	-0.089mV	P	2.900mV
5	5.0006 V	5.0004 V	-0.243mV	P	2.550mV
5	2.5002 V	2.4994 V	-0.737mV	P	2.375mV
5	2.0001 V	1.9998 V	-0.318mV	P	2.340mV
5	1.0001 V	0.9997 V	-0.438mV	P	2.270mV
5	0.5000 V	0.4992 V	-0.765mV	P	2.235mV
5	0.0901 V	0.0899 V	-0.139mV	P	2.206mV
5	-0.0771mV	-0.2646mV	-0.187mV	P	2.200mV
5	-0.0902 V	-0.0905 V	-0.305mV	P	2.206mV
5	-0.5001 V	-0.5004 V	-0.268mV	P	2.235mV
5	-1.0002 V	-1.0008 V	-0.611mV	P	2.270mV
5	-2.0002 V	-2.0010 V	-0.715mV	P	2.340mV
5	-2.5003 V	-2.5007 V	-0.369mV	P	2.375mV
5	-5.0008 V	-5.0015 V	-0.720mV	P	2.550mV
5	-10.0012 V	-10.0022 V	-0.951mV	P	2.900mV
6	10.0010 V	9.9998 V	-1.201mV	P	5.700mV
6	5.0006 V	4.9999 V	-0.799mV	P	5.350mV
6	2.5002 V	2.4988 V	-1.378mV	P	5.175mV
6	2.0001 V	1.9978 V	-2.282mV	P	5.140mV
6	1.0001 V	0.9973 V	-2.809mV	P	5.070mV
6	0.5000 V	0.4982 V	-1.828mV	P	5.035mV
6	0.0901 V	0.0890 V	-1.070mV	P	5.006mV
6	-0.0771mV	-0.7294mV	-0.652mV	P	5.000mV
6	-0.0902 V	-0.0908 V	-0.575mV	P	5.006mV
6	-0.5001 V	-0.5016 V	-1.443mV	P	5.035mV
6	-1.0002 V	-1.0007 V	-0.499mV	P	5.070mV
6	-2.0002 V	-2.0010 V	-0.737mV	P	5.140mV

6	-2.5003 V	-2.5022 V	-1.905mV	P	5.175mV
6	-5.0008 V	-5.0031 V	-2.284mV	P	5.350mV
6	-10.0012 V	-10.0035 V	-2.316mV	P	5.700mV
7	10.0010 V	9.9993 V	-0.002 V	P	0.011 V
7	5.0006 V	4.9981 V	-0.003 V	P	0.010 V
7	2.5002 V	2.4953 V	-0.005 V	P	0.010 V
7	2.0001 V	1.9946 V	-0.006 V	P	0.010 V
7	1.0001 V	0.9964 V	-0.004 V	P	0.010 V
7	0.5000 V	0.4986 V	-0.001 V	P	0.010 V
7	0.0901 V	0.0872 V	-0.003 V	P	0.010 V
7	-0.0771mV	-1.3807mV	-0.001 V	P	0.010 V
7	-0.0902 V	-0.0910 V	-0.001 V	P	0.010 V
7	-0.5001 V	-0.5024 V	-0.002 V	P	0.010 V
7	-1.0002 V	-1.0030 V	-0.003 V	P	0.010 V
7	-2.0002 V	-2.0012 V	-0.001 V	P	0.010 V
7	-2.5003 V	-2.5020 V	-0.002 V	P	0.010 V
7	-5.0008 V	-5.0048 V	-0.004 V	P	0.010 V
7	-10.0012 V	-10.0054 V	-0.004 V	P	0.011 V
8	10.0010 V	9.9961 V	-0.005 V	P	0.021 V
8	5.0006 V	4.9915 V	-0.009 V	P	0.020 V
8	2.5002 V	2.4925 V	-0.008 V	P	0.020 V
8	2.0001 V	1.9933 V	-0.007 V	P	0.020 V
8	1.0001 V	0.9978 V	-0.002 V	P	0.020 V
8	0.5000 V	0.4967 V	-0.003 V	P	0.020 V
8	0.0901 V	0.0847 V	-0.005 V	P	0.020 V
8	-0.0771mV	-2.1706mV	-0.002 V	P	0.020 V
8	-0.0902 V	-0.0909 V	-0.001 V	P	0.020 V
8	-0.5001 V	-0.5020 V	-0.002 V	P	0.020 V
8	-1.0002 V	-1.0042 V	-0.004 V	P	0.020 V
8	-2.0002 V	-2.0054 V	-0.005 V	P	0.020 V
8	-2.5003 V	-2.5038 V	-0.004 V	P	0.020 V
8	-5.0008 V	-5.0032 V	-0.002 V	P	0.020 V
8	-10.0012 V	-10.0073 V	-0.006 V	P	0.021 V

POS=19 PIN= 2 12 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5000 V	-0.001mV	P	6.250mV
0	0.0901 V	0.0902 V	0.145mV	P	6.045mV
0	-0.0771mV	0.0012mV	0.078mV	P	6.000mV
0	-0.0902 V	-0.0902 V	0.026mV	P	6.045mV

0	-0.5001 V	-0.5000 V	0.150mV	P	6.250mV
1	1.0001 V	1.0001 V	0.006mV	P	6.500mV
1	0.5000 V	0.5000 V	0.042mV	P	6.250mV
1	0.0901 V	0.0902 V	0.147mV	P	6.045mV
1	-0.0771mV	0.0120mV	0.089mV	P	6.000mV
1	-0.0902 V	-0.0899 V	0.234mV	P	6.045mV
1	-0.5001 V	-0.4999 V	0.215mV	P	6.250mV
1	-1.0002 V	-0.9999 V	0.291mV	P	6.500mV
2	2.0001 V	2.0001 V	-0.039mV	P	7.000mV
2	1.0001 V	1.0002 V	0.109mV	P	6.500mV
2	0.5000 V	0.5007 V	0.720mV	P	6.250mV
2	0.0901 V	0.0905 V	0.465mV	P	6.045mV
2	-0.0771mV	0.0620mV	0.139mV	P	6.000mV
2	-0.0902 V	-0.0902 V	0.031mV	P	6.045mV
2	-0.5001 V	-0.5000 V	0.110mV	P	6.250mV
2	-1.0002 V	-0.9998 V	0.463mV	P	6.500mV
2	-2.0002 V	-1.9996 V	0.628mV	P	7.000mV
3	5.0006 V	5.0006 V	-0.073mV	P	9.500mV
3	2.5002 V	2.5004 V	0.169mV	P	8.250mV
3	2.0001 V	2.0017 V	1.627mV	P	8.000mV
3	1.0001 V	1.0006 V	0.517mV	P	7.500mV
3	0.5000 V	0.5004 V	0.406mV	P	7.250mV
3	0.0901 V	0.0901 V	-0.011mV	P	7.045mV
3	-0.0771mV	0.1780mV	0.255mV	P	7.000mV
3	-0.0902 V	-0.0895 V	0.672mV	P	7.045mV
3	-0.5001 V	-0.4992 V	0.936mV	P	7.250mV
3	-1.0002 V	-1.0000 V	0.216mV	P	7.500mV
3	-2.0002 V	-2.0002 V	0.074mV	P	8.000mV
3	-2.5003 V	-2.4987 V	1.627mV	P	8.250mV
3	-5.0008 V	-4.9989 V	1.921mV	P	9.500mV
4	10.0010 V	10.0016 V	0.001 V	P	0.019 V
4	5.0006 V	5.0010 V	0.000 V	P	0.017 V
4	2.5002 V	2.5033 V	0.003 V	P	0.015 V
4	2.0001 V	2.0011 V	0.001 V	P	0.015 V
4	1.0001 V	1.0010 V	0.001 V	P	0.015 V
4	0.5000 V	0.5025 V	0.002 V	P	0.014 V
4	0.0901 V	0.0923 V	0.002 V	P	0.014 V
4	-0.0771mV	0.3805mV	0.000 V	P	0.014 V
4	-0.0902 V	-0.0870 V	0.003 V	P	0.014 V
4	-0.5001 V	-0.5000 V	0.000 V	P	0.014 V

4	-1.0002 V	-0.9983 V	0.002 V	P	0.015 V
4	-2.0002 V	-1.9999 V	0.000 V	P	0.015 V
4	-2.5003 V	-2.5003 V	0.000 V	P	0.015 V
4	-5.0008 V	-4.9975 V	0.003 V	P	0.017 V
4	-10.0012 V	-9.9965 V	0.005 V	P	0.019 V
5	10.0010 V	10.0020 V	0.001 V	P	0.033 V
5	5.0006 V	5.0083 V	0.008 V	P	0.030 V
5	2.5002 V	2.5035 V	0.003 V	P	0.029 V
5	2.0001 V	2.0026 V	0.003 V	P	0.029 V
5	1.0001 V	1.0059 V	0.006 V	P	0.029 V
5	0.5000 V	0.5015 V	0.001 V	P	0.028 V
5	0.0901 V	0.0935 V	0.003 V	P	0.028 V
5	-0.0771mV	1.4674mV	0.002 V	P	0.028 V
5	-0.0902 V	-0.0869 V	0.003 V	P	0.028 V
5	-0.5001 V	-0.4940 V	0.006 V	P	0.028 V
5	-1.0002 V	-0.9998 V	0.000 V	P	0.029 V
5	-2.0002 V	-1.9957 V	0.005 V	P	0.029 V
5	-2.5003 V	-2.4985 V	0.002 V	P	0.029 V
5	-5.0008 V	-4.9999 V	0.001 V	P	0.030 V
5	-10.0012 V	-9.9952 V	0.006 V	P	0.033 V
6	10.0010 V	10.0061 V	0.005 V	P	0.075 V
6	5.0006 V	5.0046 V	0.004 V	P	0.073 V
6	2.5002 V	2.5121 V	0.012 V	P	0.071 V
6	2.0001 V	2.0122 V	0.012 V	P	0.071 V
6	1.0001 V	1.0056 V	0.005 V	P	0.071 V
6	0.5000 V	0.5133 V	0.013 V	P	0.070 V
6	0.0901 V	0.1017 V	0.012 V	P	0.070 V
6	-0.0771mV	2.1335mV	0.002 V	P	0.070 V
6	-0.0902 V	-0.0815 V	0.009 V	P	0.070 V
6	-0.5001 V	-0.4892 V	0.011 V	P	0.070 V
6	-1.0002 V	-0.9830 V	0.017 V	P	0.071 V
6	-2.0002 V	-1.9943 V	0.006 V	P	0.071 V
6	-2.5003 V	-2.5002 V	0.000 V	P	0.071 V
6	-5.0008 V	-4.9905 V	0.010 V	P	0.073 V
6	-10.0012 V	-9.9996 V	0.002 V	P	0.075 V
7	10.0010 V	10.0087 V	0.008 V	P	0.145 V
7	5.0006 V	5.0254 V	0.025 V	P	0.143 V
7	2.5002 V	2.5041 V	0.004 V	P	0.141 V
7	2.0001 V	2.0112 V	0.011 V	P	0.141 V
7	1.0001 V	1.0261 V	0.026 V	P	0.141 V
7	0.5000 V	0.5137 V	0.014 V	P	0.140 V

7	0.0901 V	0.1086 V	0.019 V	P	0.140 V
7	-0.0771mV	4.6747mV	0.005 V	P	0.140 V
7	-0.0902 V	-0.0606 V	0.030 V	P	0.140 V
7	-0.5001 V	-0.4885 V	0.012 V	P	0.140 V
7	-1.0002 V	-0.9783 V	0.022 V	P	0.141 V
7	-2.0002 V	-1.9662 V	0.034 V	P	0.141 V
7	-2.5003 V	-2.4717 V	0.029 V	P	0.141 V
7	-5.0008 V	-5.0005 V	0.000 V	P	0.143 V
7	-10.0012 V	-9.9800 V	0.021 V	P	0.145 V
8	10.0010 V	10.0468 V	0.046 V	P	0.285 V
8	5.0006 V	5.0072 V	0.007 V	P	0.283 V
8	2.5002 V	2.5053 V	0.005 V	P	0.281 V
8	2.0001 V	2.0503 V	0.050 V	P	0.281 V
8	1.0001 V	1.0287 V	0.029 V	P	0.281 V
8	0.5000 V	0.5427 V	0.043 V	P	0.280 V
8	0.0901 V	0.1096 V	0.020 V	P	0.280 V
8	-0.0771mV	9.6761mV	0.010 V	P	0.280 V
8	-0.0902 V	-0.0663 V	0.024 V	P	0.280 V
8	-0.5001 V	-0.4405 V	0.060 V	P	0.280 V
8	-1.0002 V	-0.9769 V	0.023 V	P	0.281 V
8	-2.0002 V	-1.9568 V	0.043 V	P	0.281 V
8	-2.5003 V	-2.4700 V	0.030 V	P	0.281 V
8	-5.0008 V	-4.9457 V	0.055 V	P	0.283 V
8	-10.0012 V	-10.0018 V	-0.001 V	P	0.285 V

POS=19 PIN= 2 12 Bit ADC , Precision Mode, High speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5002 V	0.235mV	P	6.250mV
0	0.0901 V	0.0904 V	0.376mV	P	6.045mV
0	-0.0771mV	0.3165mV	0.394mV	P	6.000mV
0	-0.0902 V	-0.0900 V	0.225mV	P	6.045mV
0	-0.5001 V	-0.4998 V	0.318mV	P	6.250mV
1	1.0001 V	1.0004 V	0.277mV	P	6.500mV
1	0.5000 V	0.5004 V	0.431mV	P	6.250mV
1	0.0901 V	0.0905 V	0.433mV	P	6.045mV
1	-0.0771mV	0.4868mV	0.564mV	P	6.000mV
1	-0.0902 V	-0.0897 V	0.493mV	P	6.045mV
1	-0.5001 V	-0.4995 V	0.587mV	P	6.250mV
1	-1.0002 V	-0.9996 V	0.606mV	P	6.500mV

2	2.0001 V	2.0005 V	0.364mV	P	7.000mV
2	1.0001 V	1.0007 V	0.629mV	P	6.500mV
2	0.5000 V	0.5010 V	1.060mV	P	6.250mV
2	0.0901 V	0.0908 V	0.747mV	P	6.045mV
2	-0.0771mV	0.6113mV	0.688mV	P	6.000mV
2	-0.0902 V	-0.0898 V	0.432mV	P	6.045mV
2	-0.5001 V	-0.4999 V	0.240mV	P	6.250mV
2	-1.0002 V	-0.9995 V	0.749mV	P	6.500mV
2	-2.0002 V	-1.9996 V	0.677mV	P	7.000mV

Cal Air Temp = 34.6 deg C
Chk Air Temp = 32.7 deg C
Delta Air Temp = -1.9 deg C

Cal Ctl Temp = 45.2 deg C
Chk Ctl Temp = 42.6 deg C
Delta Ctl Temp = -2.6 deg C

$$$ END EVEN PIN $$$$$ START ODD PIN $$$$

POS=19 PIN= 3 16 Bit ADC , High Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5002 V	0.5002 V	-0.004mV	P	0.240mV
0	0.0902 V	0.0902 V	-0.000mV	P	0.232mV
0	0.0212mV	0.0153mV	-0.006mV	P	0.230mV
0	-0.0901 V	-0.0901 V	-0.009mV	P	0.232mV
0	-0.5001 V	-0.5001 V	-0.008mV	P	0.240mV
1	1.0003 V	1.0003 V	-0.004mV	P	0.265mV
1	0.5002 V	0.5002 V	-0.005mV	P	0.255mV
1	0.0902 V	0.0902 V	-0.001mV	P	0.247mV
1	0.0212mV	0.0098mV	-0.011mV	P	0.245mV
1	-0.0901 V	-0.0901 V	-0.009mV	P	0.247mV
1	-0.5001 V	-0.5001 V	-0.007mV	P	0.255mV
1	-1.0002 V	-1.0002 V	-0.006mV	P	0.265mV
2	2.0006 V	2.0006 V	-0.006mV	P	0.290mV
2	1.0003 V	1.0003 V	-0.006mV	P	0.275mV
2	0.5002 V	0.5002 V	-0.006mV	P	0.268mV
2	0.0902 V	0.0902 V	-0.003mV	P	0.261mV
2	0.0212mV	0.0106mV	-0.011mV	P	0.260mV

2	-0.0901 V	-0.0901 V	-0.017mV	P	0.261mV
2	-0.5001 V	-0.5001 V	-0.013mV	P	0.268mV
2	-1.0002 V	-1.0002 V	-0.012mV	P	0.275mV
2	-2.0004 V	-2.0005 V	-0.011mV	P	0.290mV
3	5.0016 V	5.0016 V	-0.025mV	P	0.350mV
3	2.5007 V	2.5007 V	-0.029mV	P	0.325mV
3	2.0006 V	2.0006 V	-0.014mV	P	0.320mV
3	1.0003 V	1.0004 V	0.034mV	P	0.310mV
3	0.5002 V	0.5002 V	-0.018mV	P	0.305mV
3	0.0902 V	0.0901 V	-0.032mV	P	0.301mV
3	0.0212mV	-0.0113mV	-0.032mV	P	0.300mV
3	-0.0901 V	-0.0901 V	-0.024mV	P	0.301mV
3	-0.5001 V	-0.5001 V	-0.026mV	P	0.305mV
3	-1.0002 V	-1.0003 V	-0.041mV	P	0.310mV
3	-2.0004 V	-2.0005 V	-0.023mV	P	0.320mV
3	-2.5006 V	-2.5006 V	-0.018mV	P	0.325mV
3	-5.0014 V	-5.0014 V	-0.034mV	P	0.350mV
4	10.0030 V	10.0030 V	-0.052mV	P	0.500mV
4	5.0016 V	5.0015 V	-0.055mV	P	0.450mV
4	2.5007 V	2.5007 V	-0.046mV	P	0.425mV
4	2.0006 V	2.0006 V	0.039mV	P	0.420mV
4	1.0003 V	1.0003 V	-0.029mV	P	0.410mV
4	0.5002 V	0.5001 V	-0.069mV	P	0.405mV
4	0.0902 V	0.0901 V	-0.037mV	P	0.401mV
4	0.0212mV	-0.0332mV	-0.054mV	P	0.400mV
4	-0.0901 V	-0.0902 V	-0.071mV	P	0.401mV
4	-0.5001 V	-0.5001 V	-0.007mV	P	0.405mV
4	-1.0002 V	-1.0003 V	-0.046mV	P	0.410mV
4	-2.0004 V	-2.0005 V	-0.081mV	P	0.420mV
4	-2.5006 V	-2.5006 V	-0.063mV	P	0.425mV
4	-5.0014 V	-5.0014 V	-0.030mV	P	0.450mV
4	-10.0026 V	-10.0027 V	-0.057mV	P	0.500mV
5	10.0030 V	10.0029 V	-0.097mV	P	0.850mV
5	5.0016 V	5.0015 V	-0.041mV	P	0.775mV
5	2.5007 V	2.5007 V	-0.043mV	P	0.737mV
5	2.0006 V	2.0006 V	-0.003mV	P	0.730mV
5	1.0003 V	1.0002 V	-0.081mV	P	0.715mV
5	0.5002 V	0.5002 V	-0.014mV	P	0.708mV
5	0.0902 V	0.0902 V	0.015mV	P	0.701mV
5	0.0212mV	-0.0234mV	-0.045mV	P	0.700mV
5	-0.0901 V	-0.0902 V	-0.072mV	P	0.701mV

5	-0.5001 V	-0.5001 V	-0.043mV	P	0.708mV
5	-1.0002 V	-1.0002 V	-0.017mV	P	0.715mV
5	-2.0004 V	-2.0005 V	-0.021mV	P	0.730mV
5	-2.5006 V	-2.5006 V	-0.065mV	P	0.737mV
5	-5.0014 V	-5.0013 V	0.010mV	P	0.775mV
5	-10.0026 V	-10.0026 V	-0.025mV	P	0.850mV
6	10.0030 V	10.0032 V	0.203mV	P	1.550mV
6	5.0016 V	5.0015 V	-0.131mV	P	1.475mV
6	2.5007 V	2.5004 V	-0.316mV	P	1.438mV
6	2.0006 V	2.0004 V	-0.167mV	P	1.430mV
6	1.0003 V	1.0002 V	-0.102mV	P	1.415mV
6	0.5002 V	0.5000 V	-0.173mV	P	1.408mV
6	0.0902 V	0.0899 V	-0.304mV	P	1.401mV
6	0.0212mV	-0.1909mV	-0.212mV	P	1.400mV
6	-0.0901 V	-0.0903 V	-0.155mV	P	1.401mV
6	-0.5001 V	-0.5002 V	-0.101mV	P	1.408mV
6	-1.0002 V	-1.0004 V	-0.168mV	P	1.415mV
6	-2.0004 V	-2.0007 V	-0.211mV	P	1.430mV
6	-2.5006 V	-2.5005 V	0.063mV	P	1.438mV
6	-5.0014 V	-5.0015 V	-0.142mV	P	1.475mV
6	-10.0026 V	-10.0029 V	-0.311mV	P	1.550mV
7	10.0030 V	10.0027 V	-0.308mV	P	2.550mV
7	5.0016 V	5.0009 V	-0.637mV	P	2.475mV
7	2.5007 V	2.5004 V	-0.291mV	P	2.438mV
7	2.0006 V	2.0004 V	-0.207mV	P	2.430mV
7	1.0003 V	0.9999 V	-0.402mV	P	2.415mV
7	0.5002 V	0.4999 V	-0.268mV	P	2.407mV
7	0.0902 V	0.0899 V	-0.291mV	P	2.401mV
7	0.0212mV	-0.4252mV	-0.446mV	P	2.400mV
7	-0.0901 V	-0.0905 V	-0.379mV	P	2.401mV
7	-0.5001 V	-0.5005 V	-0.383mV	P	2.407mV
7	-1.0002 V	-1.0004 V	-0.216mV	P	2.415mV
7	-2.0004 V	-2.0008 V	-0.398mV	P	2.430mV
7	-2.5006 V	-2.5009 V	-0.348mV	P	2.438mV
7	-5.0014 V	-5.0013 V	0.087mV	P	2.475mV
7	-10.0026 V	-10.0029 V	-0.279mV	P	2.550mV
8	10.0030 V	10.0017 V	-1.253mV	P	4.950mV
8	5.0016 V	5.0011 V	-0.487mV	P	4.875mV
8	2.5007 V	2.5008 V	0.139mV	P	4.837mV
8	2.0006 V	1.9998 V	-0.725mV	P	4.830mV
8	1.0003 V	0.9998 V	-0.478mV	P	4.815mV

8	0.5002 V	0.4992 V	-0.990mV	P	4.807mV
8	0.0902 V	0.0894 V	-0.807mV	P	4.801mV
8	0.0212mV	-0.9154mV	-0.937mV	P	4.800mV
8	-0.0901 V	-0.0907 V	-0.618mV	P	4.801mV
8	-0.5001 V	-0.5005 V	-0.421mV	P	4.807mV
8	-1.0002 V	-1.0010 V	-0.788mV	P	4.815mV
8	-2.0004 V	-2.0010 V	-0.546mV	P	4.830mV
8	-2.5006 V	-2.5019 V	-1.320mV	P	4.837mV
8	-5.0014 V	-5.0020 V	-0.667mV	P	4.875mV
8	-10.0026 V	-10.0025 V	0.098mV	P	4.950mV

POS=19 PIN= 3 16 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5002 V	0.5002 V	-0.017mV	P	0.335mV
0	0.0902 V	0.0901 V	-0.029mV	P	0.306mV
0	0.0212mV	0.0086mV	-0.013mV	P	0.300mV
0	-0.0901 V	-0.0901 V	-0.021mV	P	0.306mV
0	-0.5001 V	-0.5001 V	-0.023mV	P	0.335mV
1	1.0003 V	1.0003 V	-0.028mV	P	0.410mV
1	0.5002 V	0.5002 V	-0.024mV	P	0.380mV
1	0.0902 V	0.0901 V	-0.062mV	P	0.355mV
1	0.0212mV	0.0050mV	-0.016mV	P	0.350mV
1	-0.0901 V	-0.0901 V	-0.021mV	P	0.355mV
1	-0.5001 V	-0.5002 V	-0.057mV	P	0.380mV
1	-1.0002 V	-1.0003 V	-0.040mV	P	0.410mV
2	2.0006 V	2.0005 V	-0.052mV	P	0.500mV
2	1.0003 V	1.0003 V	-0.046mV	P	0.450mV
2	0.5002 V	0.5001 V	-0.073mV	P	0.425mV
2	0.0902 V	0.0901 V	-0.092mV	P	0.405mV
2	0.0212mV	-0.0042mV	-0.025mV	P	0.400mV
2	-0.0901 V	-0.0902 V	-0.053mV	P	0.405mV
2	-0.5001 V	-0.5002 V	-0.083mV	P	0.425mV
2	-1.0002 V	-1.0003 V	-0.108mV	P	0.450mV
2	-2.0004 V	-2.0005 V	-0.053mV	P	0.500mV
3	5.0016 V	5.0014 V	-0.155mV	P	0.950mV
3	2.5007 V	2.5006 V	-0.107mV	P	0.825mV
3	2.0006 V	2.0004 V	-0.148mV	P	0.800mV
3	1.0003 V	1.0002 V	-0.138mV	P	0.750mV
3	0.5002 V	0.5000 V	-0.135mV	P	0.725mV

3	0.0902 V	0.0899 V	-0.255mV	P	0.704mV
3	0.0212mV	-0.0436mV	-0.065mV	P	0.700mV
3	-0.0901 V	-0.0902 V	-0.133mV	P	0.704mV
3	-0.5001 V	-0.5004 V	-0.278mV	P	0.725mV
3	-1.0002 V	-1.0005 V	-0.260mV	P	0.750mV
3	-2.0004 V	-2.0006 V	-0.162mV	P	0.800mV
3	-2.5006 V	-2.5008 V	-0.283mV	P	0.825mV
3	-5.0014 V	-5.0015 V	-0.137mV	P	0.950mV
4	10.0030 V	10.0026 V	-0.385mV	P	1.700mV
4	5.0016 V	5.0014 V	-0.192mV	P	1.450mV
4	2.5007 V	2.5003 V	-0.382mV	P	1.325mV
4	2.0006 V	2.0003 V	-0.244mV	P	1.300mV
4	1.0003 V	1.0001 V	-0.254mV	P	1.250mV
4	0.5002 V	0.4998 V	-0.333mV	P	1.225mV
4	0.0902 V	0.0898 V	-0.394mV	P	1.205mV
4	0.0212mV	-0.0936mV	-0.115mV	P	1.200mV
4	-0.0901 V	-0.0904 V	-0.312mV	P	1.205mV
4	-0.5001 V	-0.5005 V	-0.412mV	P	1.225mV
4	-1.0002 V	-1.0008 V	-0.551mV	P	1.250mV
4	-2.0004 V	-2.0009 V	-0.495mV	P	1.300mV
4	-2.5006 V	-2.5010 V	-0.417mV	P	1.325mV
4	-5.0014 V	-5.0019 V	-0.559mV	P	1.450mV
4	-10.0026 V	-10.0028 V	-0.224mV	P	1.700mV
5	10.0030 V	10.0027 V	-0.259mV	P	2.900mV
5	5.0016 V	5.0009 V	-0.650mV	P	2.550mV
5	2.5007 V	2.4998 V	-0.905mV	P	2.375mV
5	2.0006 V	2.0001 V	-0.480mV	P	2.340mV
5	1.0003 V	0.9997 V	-0.591mV	P	2.270mV
5	0.5002 V	0.4992 V	-0.965mV	P	2.235mV
5	0.0902 V	0.0898 V	-0.381mV	P	2.206mV
5	0.0212mV	-0.1494mV	-0.171mV	P	2.200mV
5	-0.0901 V	-0.0905 V	-0.438mV	P	2.206mV
5	-0.5001 V	-0.5003 V	-0.201mV	P	2.235mV
5	-1.0002 V	-1.0008 V	-0.570mV	P	2.270mV
5	-2.0004 V	-2.0012 V	-0.799mV	P	2.340mV
5	-2.5006 V	-2.5009 V	-0.293mV	P	2.375mV
5	-5.0014 V	-5.0020 V	-0.666mV	P	2.550mV
5	-10.0026 V	-10.0035 V	-0.934mV	P	2.900mV
6	10.0030 V	10.0017 V	-1.319mV	P	5.700mV
6	5.0016 V	5.0003 V	-1.289mV	P	5.350mV
6	2.5007 V	2.4989 V	-1.778mV	P	5.175mV

6	2.0006 V	1.9976 V	-2.956mV	P	5.140mV
6	1.0003 V	0.9972 V	-3.167mV	P	5.070mV
6	0.5002 V	0.4982 V	-1.934mV	P	5.035mV
6	0.0902 V	0.0893 V	-0.834mV	P	5.006mV
6	0.0212mV	-0.4832mV	-0.504mV	P	5.000mV
6	-0.0901 V	-0.0909 V	-0.762mV	P	5.006mV
6	-0.5001 V	-0.5017 V	-1.601mV	P	5.035mV
6	-1.0002 V	-1.0006 V	-0.404mV	P	5.070mV
6	-2.0004 V	-2.0013 V	-0.821mV	P	5.140mV
6	-2.5006 V	-2.5024 V	-1.810mV	P	5.175mV
6	-5.0014 V	-5.0039 V	-2.515mV	P	5.350mV
6	-10.0026 V	-10.0049 V	-2.350mV	P	5.700mV

7	10.0030 V	10.0005 V	-0.003 V	P	0.011 V
7	5.0016 V	4.9980 V	-0.004 V	P	0.010 V
7	2.5007 V	2.4947 V	-0.006 V	P	0.010 V
7	2.0006 V	1.9943 V	-0.006 V	P	0.010 V
7	1.0003 V	0.9965 V	-0.004 V	P	0.010 V
7	0.5002 V	0.4975 V	-0.003 V	P	0.010 V
7	0.0902 V	0.0879 V	-0.002 V	P	0.010 V
7	0.0212mV	-0.9782mV	-0.001 V	P	0.010 V
7	-0.0901 V	-0.0912 V	-0.001 V	P	0.010 V
7	-0.5001 V	-0.5029 V	-0.003 V	P	0.010 V
7	-1.0002 V	-1.0035 V	-0.003 V	P	0.010 V
7	-2.0004 V	-2.0014 V	-0.001 V	P	0.010 V
7	-2.5006 V	-2.5018 V	-0.001 V	P	0.010 V
7	-5.0014 V	-5.0051 V	-0.004 V	P	0.010 V
7	-10.0026 V	-10.0078 V	-0.005 V	P	0.011 V

8	10.0030 V	9.9959 V	-0.007 V	P	0.021 V
8	5.0016 V	4.9895 V	-0.012 V	P	0.020 V
8	2.5007 V	2.4929 V	-0.008 V	P	0.020 V
8	2.0006 V	1.9929 V	-0.008 V	P	0.020 V
8	1.0003 V	0.9946 V	-0.006 V	P	0.020 V
8	0.5002 V	0.4936 V	-0.007 V	P	0.020 V
8	0.0902 V	0.0848 V	-0.005 V	P	0.020 V
8	0.0212mV	-1.9600mV	-0.002 V	P	0.020 V
8	-0.0901 V	-0.0921 V	-0.002 V	P	0.020 V
8	-0.5001 V	-0.5026 V	-0.002 V	P	0.020 V
8	-1.0002 V	-1.0056 V	-0.005 V	P	0.020 V
8	-2.0004 V	-2.0069 V	-0.006 V	P	0.020 V
8	-2.5006 V	-2.5056 V	-0.005 V	P	0.020 V
8	-5.0014 V	-5.0041 V	-0.003 V	P	0.020 V
8	-10.0026 V	-10.0102 V	-0.008 V	P	0.021 V

POS=19 PIN= 3 12 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5002 V	0.5003 V	0.081mV	P	6.250mV
0	0.0902 V	0.0904 V	0.203mV	P	6.045mV
0	0.0212mV	0.1312mV	0.110mV	P	6.000mV
0	-0.0901 V	-0.0900 V	0.093mV	P	6.045mV
0	-0.5001 V	-0.4999 V	0.176mV	P	6.250mV
1	1.0003 V	1.0005 V	0.146mV	P	6.500mV
1	0.5002 V	0.5005 V	0.294mV	P	6.250mV
1	0.0902 V	0.0903 V	0.149mV	P	6.045mV
1	0.0212mV	0.2266mV	0.205mV	P	6.000mV
1	-0.0901 V	-0.0897 V	0.390mV	P	6.045mV
1	-0.5001 V	-0.4998 V	0.272mV	P	6.250mV
1	-1.0002 V	-0.9999 V	0.370mV	P	6.500mV
2	2.0006 V	2.0009 V	0.366mV	P	7.000mV
2	1.0003 V	1.0010 V	0.658mV	P	6.500mV
2	0.5002 V	0.5009 V	0.677mV	P	6.250mV
2	0.0902 V	0.0910 V	0.817mV	P	6.045mV
2	0.0212mV	0.4364mV	0.415mV	P	6.000mV
2	-0.0901 V	-0.0897 V	0.402mV	P	6.045mV
2	-0.5001 V	-0.4994 V	0.667mV	P	6.250mV
2	-1.0002 V	-0.9997 V	0.539mV	P	6.500mV
2	-2.0004 V	-1.9998 V	0.628mV	P	7.000mV
3	5.0016 V	5.0026 V	0.990mV	P	9.500mV
3	2.5007 V	2.5025 V	1.805mV	P	8.250mV
3	2.0006 V	2.0029 V	2.368mV	P	8.000mV
3	1.0003 V	1.0016 V	1.300mV	P	7.500mV
3	0.5002 V	0.5020 V	1.787mV	P	7.250mV
3	0.0902 V	0.0913 V	1.147mV	P	7.045mV
3	0.0212mV	1.0274mV	1.006mV	P	7.000mV
3	-0.0901 V	-0.0890 V	1.084mV	P	7.045mV
3	-0.5001 V	-0.4984 V	1.656mV	P	7.250mV
3	-1.0002 V	-0.9989 V	1.345mV	P	7.500mV
3	-2.0004 V	-1.9996 V	0.796mV	P	8.000mV
3	-2.5006 V	-2.4991 V	1.434mV	P	8.250mV
3	-5.0014 V	-4.9998 V	1.526mV	P	9.500mV
4	10.0030 V	10.0056 V	0.003 V	P	0.019 V

4	5.0016 V	5.0053 V	0.004 V	P	0.017 V
4	2.5007 V	2.5037 V	0.003 V	P	0.015 V
4	2.0006 V	2.0033 V	0.003 V	P	0.015 V
4	1.0003 V	1.0039 V	0.004 V	P	0.015 V
4	0.5002 V	0.5044 V	0.004 V	P	0.014 V
4	0.0902 V	0.0923 V	0.002 V	P	0.014 V
4	0.0212mV	1.9083mV	0.002 V	P	0.014 V
4	-0.0901 V	-0.0869 V	0.003 V	P	0.014 V
4	-0.5001 V	-0.4990 V	0.001 V	P	0.014 V
4	-1.0002 V	-0.9968 V	0.003 V	P	0.015 V
4	-2.0004 V	-1.9979 V	0.003 V	P	0.015 V
4	-2.5006 V	-2.4974 V	0.003 V	P	0.015 V
4	-5.0014 V	-4.9986 V	0.003 V	P	0.017 V
4	-10.0026 V	-10.0000 V	0.003 V	P	0.019 V
5	10.0030 V	10.0101 V	0.007 V	P	0.033 V
5	5.0016 V	5.0081 V	0.007 V	P	0.030 V
5	2.5007 V	2.5076 V	0.007 V	P	0.029 V
5	2.0006 V	2.0076 V	0.007 V	P	0.029 V
5	1.0003 V	1.0087 V	0.008 V	P	0.029 V
5	0.5002 V	0.5046 V	0.004 V	P	0.028 V
5	0.0902 V	0.0962 V	0.006 V	P	0.028 V
5	0.0212mV	4.5442mV	0.005 V	P	0.028 V
5	-0.0901 V	-0.0861 V	0.004 V	P	0.028 V
5	-0.5001 V	-0.4930 V	0.007 V	P	0.028 V
5	-1.0002 V	-0.9973 V	0.003 V	P	0.029 V
5	-2.0004 V	-1.9929 V	0.008 V	P	0.029 V
5	-2.5006 V	-2.4960 V	0.005 V	P	0.029 V
5	-5.0014 V	-4.9950 V	0.006 V	P	0.030 V
5	-10.0026 V	-9.9957 V	0.007 V	P	0.033 V
6	10.0030 V	10.0179 V	0.015 V	P	0.075 V
6	5.0016 V	5.0201 V	0.018 V	P	0.073 V
6	2.5007 V	2.5216 V	0.021 V	P	0.071 V
6	2.0006 V	2.0141 V	0.014 V	P	0.071 V
6	1.0003 V	1.0054 V	0.005 V	P	0.071 V
6	0.5002 V	0.5147 V	0.015 V	P	0.070 V
6	0.0902 V	0.1066 V	0.016 V	P	0.070 V
6	0.0000 V	0.0104 V	0.010 V	P	0.070 V
6	-0.0901 V	-0.0808 V	0.009 V	P	0.070 V
6	-0.5001 V	-0.4884 V	0.012 V	P	0.070 V
6	-1.0002 V	-0.9795 V	0.021 V	P	0.071 V
6	-2.0004 V	-1.9848 V	0.016 V	P	0.071 V
6	-2.5006 V	-2.4945 V	0.006 V	P	0.071 V

6	-5.0014 V	-4.9840 V	0.017 V	P	0.073 V
6	-10.0026 V	-9.9907 V	0.012 V	P	0.075 V
7	10.0030 V	10.0386 V	0.036 V	P	0.145 V
7	5.0016 V	5.0445 V	0.043 V	P	0.143 V
7	2.5007 V	2.5184 V	0.018 V	P	0.141 V
7	2.0006 V	2.0108 V	0.010 V	P	0.141 V
7	1.0003 V	1.0297 V	0.029 V	P	0.141 V
7	0.5002 V	0.5314 V	0.031 V	P	0.140 V
7	0.0902 V	0.1088 V	0.019 V	P	0.140 V
7	0.0000 V	0.0202 V	0.020 V	P	0.140 V
7	-0.0901 V	-0.0558 V	0.034 V	P	0.140 V
7	-0.5001 V	-0.4841 V	0.016 V	P	0.140 V
7	-1.0002 V	-0.9769 V	0.023 V	P	0.141 V
7	-2.0004 V	-1.9596 V	0.041 V	P	0.141 V
7	-2.5006 V	-2.4662 V	0.034 V	P	0.141 V
7	-5.0014 V	-4.9901 V	0.011 V	P	0.143 V
7	-10.0026 V	-9.9674 V	0.035 V	P	0.145 V
8	10.0030 V	10.0873 V	0.084 V	P	0.285 V
8	5.0016 V	5.0345 V	0.033 V	P	0.283 V
8	2.5007 V	2.5235 V	0.023 V	P	0.281 V
8	2.0006 V	2.0586 V	0.058 V	P	0.281 V
8	1.0003 V	1.0618 V	0.062 V	P	0.281 V
8	0.5002 V	0.5433 V	0.043 V	P	0.280 V
8	0.0902 V	0.1198 V	0.030 V	P	0.280 V
8	0.0000 V	0.0408 V	0.041 V	P	0.280 V
8	-0.0901 V	-0.0346 V	0.056 V	P	0.280 V
8	-0.5001 V	-0.4354 V	0.065 V	P	0.280 V
8	-1.0002 V	-0.9683 V	0.032 V	P	0.281 V
8	-2.0004 V	-1.9541 V	0.046 V	P	0.281 V
8	-2.5006 V	-2.4440 V	0.057 V	P	0.281 V
8	-5.0014 V	-4.9319 V	0.069 V	P	0.283 V
8	-10.0026 V	-9.9802 V	0.022 V	P	0.285 V

POS=19 PIN= 3 12 Bit ADC , Precision Mode, High speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5002 V	0.5002 V	0.028mV	P	6.250mV
0	0.0902 V	0.0904 V	0.227mV	P	6.045mV
0	0.0212mV	0.2295mV	0.208mV	P	6.000mV
0	-0.0901 V	-0.0900 V	0.148mV	P	6.045mV
0	-0.5001 V	-0.4999 V	0.231mV	P	6.250mV

1	1.0003 V	1.0007 V	0.347mV	P	6.500mV
1	0.5002 V	0.5007 V	0.530mV	P	6.250mV
1	0.0902 V	0.0907 V	0.524mV	P	6.045mV
1	0.0212mV	0.6590mV	0.638mV	P	6.000mV
1	-0.0901 V	-0.0895 V	0.623mV	P	6.045mV
1	-0.5001 V	-0.4994 V	0.748mV	P	6.250mV
1	-1.0002 V	-0.9995 V	0.765mV	P	6.500mV
2	2.0006 V	2.0006 V	0.067mV	P	7.000mV
2	1.0003 V	1.0007 V	0.401mV	P	6.500mV
2	0.5002 V	0.5009 V	0.747mV	P	6.250mV
2	0.0902 V	0.0907 V	0.581mV	P	6.045mV
2	0.0212mV	0.5899mV	0.569mV	P	6.000mV
2	-0.0901 V	-0.0896 V	0.508mV	P	6.045mV
2	-0.5001 V	-0.4994 V	0.664mV	P	6.250mV
2	-1.0002 V	-0.9996 V	0.657mV	P	6.500mV
2	-2.0004 V	-1.9996 V	0.857mV	P	7.000mV

Cal Air Temp = 34.0 deg C
Chk Air Temp = 34.3 deg C
Delta Air Temp = 0.3 deg C

Cal Ctl Temp = 46.6 deg C
Chk Ctl Temp = 46.3 deg C
Delta Ctl Temp = -0.3 deg C

Last Calibration Date: 10/26/22 13:19.51
(10/26/22 13:32.50 - CAL REV:2015) CHK STATUS: PASS

Cal QMS24: SN REV 29

b.VrefPos10	1.000035100000e+001
b.VrefPos5	5.000044820000e+000
b.VrefPos2p5	2.499884130000e+000
b.VrefPos2	1.999912980000e+000
b.VrefPos1	1.000000480000e+000
b.VrefPosp5	5.000406500000e-001
b.VrefPosp1	9.004673360000e-002
b.VrefPos0	-2.104253140000e-005
b.VrefNeg10	-1.000000670000e+001

b.VrefNeg5 -4.999835490000e+000
b.VrefNeg2p5 -2.499741080000e+000
b.VrefNeg2 -1.999783990000e+000
b.VrefNeg1 -9.998980760000e-001
b.VrefNegp5 -4.999513630000e-001
b.VrefNegp1 -8.996888250000e-002
b.VrefNeg0 9.727015280000e-005
c.PostSnOfstTD5_50x 0x3b6
c.PostSnOfstTD5_10x 0x414
c.PostSnOfstTD5_5x 0x440
c.PostSnOfstTD5_1x 0x44a
d.PostSnLSB_50x 6.107327516043e-006
d.PostSnLSB_10x 3.393441318023e-005
d.PostSnLSB_5x 6.107825868657e-005
d.PostSnLSB_1x 3.393728962022e-004
e.Pos10p02 1.003006681321e+001
e.Neg10p02 -1.003010248679e+001
f.RefDacInvOfstTD2 0x594
g.PreSnOfstTD0_p5 0xac4
g.PreSnOfstTD0_1 0x967
g.PreSnOfstTD0_2 0x8b7
g.PreSnOfstTD0_5 0x83c
g.PreSnOfstTD0_10 0x81a
g.PreSnOfstTD0_20 0x930
g.PreSnOfstTD0_50 0x86e
g.PreSnOfstTD0_100 0x834
g.PreSnOfstTD0_200 0x815
h.RefDacInvGainTD1 0x684
h.RefDacInvLSB 3.051757839322e-004
i.RefDacLinTD4[_0] 0x816
i.RefDacLinTD4[_1] 0x880
i.RefDacLinTD4[_2] 0x77b
i.RefDacLinTD4[_3] 0x7bf
i.RefDacLinTD4[_4] 0x9c4
i.RefDacLinTD4[_5] 0xa10
i.RefDacLinTD4[_6] 0x911
i.RefDacLinTD4[_7] 0x944
i.RefDacLinTD4[_8] 0xa4a
i.RefDacLinTD4[_9] 0xa9f
i.RefDacLinTD4[10] 0x982
i.RefDacLinTD4[11] 0x9a9
i.RefDacLinTD4[12] 0xbab
i.RefDacLinTD4[13] 0xbfa
i.RefDacLinTD4[14] 0xad3

i.RefDacLinTD4[15]	0xaf9
i.RefDacLinTD4[16]	0xb19
i.RefDacLinTD4[17]	0xb4c
i.RefDacLinTD4[18]	0xa29
i.RefDacLinTD4[19]	0xa4b
i.RefDacLinTD4[20]	0xb04
i.RefDacLinTD4[21]	0xb3b
i.RefDacLinTD4[22]	0xa08
i.RefDacLinTD4[23]	0xa19
i.RefDacLinTD4[24]	0x998
i.RefDacLinTD4[25]	0x9c5
i.RefDacLinTD4[26]	0x89a
i.RefDacLinTD4[27]	0x8ab
i.RefDacLinTD4[28]	0x986
i.RefDacLinTD4[29]	0x9ad
i.RefDacLinTD4[30]	0x878
i.RefDacLinTD4[31]	0x890
i.RefDacLinTD4[32]	0xa3f
i.RefDacLinTD4[33]	0xa6d
i.RefDacLinTD4[34]	0x93e
i.RefDacLinTD4[35]	0x952
i.RefDacLinTD4[36]	0xa58
i.RefDacLinTD4[37]	0xa87
i.RefDacLinTD4[38]	0x95b
i.RefDacLinTD4[39]	0x978
i.RefDacLinTD4[40]	0xa08
i.RefDacLinTD4[41]	0xa3d
i.RefDacLinTD4[42]	0x917
i.RefDacLinTD4[43]	0x937
i.RefDacLinTD4[44]	0x914
i.RefDacLinTD4[45]	0x95b
i.RefDacLinTD4[46]	0x835
i.RefDacLinTD4[47]	0x85e
i.RefDacLinTD4[48]	0x8a0
i.RefDacLinTD4[49]	0x8e2
i.RefDacLinTD4[50]	0x7d8
i.RefDacLinTD4[51]	0x812
i.RefDacLinTD4[52]	0x8c0
i.RefDacLinTD4[53]	0x915
i.RefDacLinTD4[54]	0x808
i.RefDacLinTD4[55]	0x850
i.RefDacLinTD4[56]	0x879
i.RefDacLinTD4[57]	0x8df
i.RefDacLinTD4[58]	0x7e9

i.RefDacLinTD4[59] 0x840
i.RefDacLinTD4[60] 0x7e5
i.RefDacLinTD4[61] 0x857
i.RefDacLinTD4[62] 0x770
i.RefDacLinTD4[63] 0x7d6
j.PreSnGain_1x 9.999808175821e-001
j.PreSnGain_2x 1.999978068746e+000
j.PreSnGain_4x 3.999807725965e+000
j.PreSnGain_5x 5.000105164522e+000
j.PreSnGain_10x 1.000030224334e+001
j.PreSnGain_20x 1.999986316800e+001
k.DivBy20Gain 2.000141145001e+001
l.Adc2_OfstTD5_50x 0x3ed
l.Adc2_OfstTD5_10x 0x3ee
l.Adc2_OfstTD5_5x 0x3f2
l.Adc2_OfstTD5_1x 0x3f0
m.Adc2LSB_50x 9.778143188485e-005
m.Adc2LSB_10x 5.431787142857e-004
m.Adc2LSB_5x 9.777064561232e-004
m.Adc2LSB_1x 5.431765513308e-003
n.HighSpeedOfstTD5_4x 0x405
n.HighSpeedOfstTD5_2x 0x3ff
n.HighSpeedOfstTD5_1x 0x3ff
o.HighSpeedGainLSB_4x 2.702681116216e-004
o.HighSpeedGainLSB_2x 5.397836858300e-004
o.HighSpeedGainLSB_1x 1.078666928263e-003
TempTD3 0x2dd
AirTemp 28.6 deg C
CtlTemp 33.2 deg C

EEPROM verified OK

b.VrefPos10 1.000120740000e+001
b.VrefPos5 5.000675200000e+000
b.VrefPos2p5 2.500162840000e+000
b.VrefPos2 2.000134230000e+000
b.VrefPos1 1.000055550000e+000
b.VrefPosp5 5.000463130000e-001
b.VrefPosp1 9.000069650000e-002
b.VrefPos0 -2.700805630000e-005
b.VrefNeg10 -1.000128560000e+001
b.VrefNeg5 -5.000737670000e+000

b.VrefNeg2p5 -2.500214820000e+000
b.VrefNeg2 -2.000184540000e+000
b.VrefNeg1 -1.000102400000e+000
b.VrefNegp5 -5.000914340000e-001
b.VrefNegp1 -9.004446120000e-002
b.VrefNeg0 -1.623445680000e-005
c.PostSnOfstTD5_50x 0x251
c.PostSnOfstTD5_10x 0x36e
c.PostSnOfstTD5_5x 0x38e
c.PostSnOfstTD5_1x 0x3ad
d.PostSnLSB_50x 6.109017862020e-006
d.PostSnLSB_10x 3.393860425674e-005
d.PostSnLSB_5x 6.109535628724e-005
d.PostSnLSB_1x 3.394200121258e-004
e.Pos10p02 1.003108489451e+001
e.Neg10p02 -1.003115860549e+001
f.RefDacInvOfstTD2 0x535
g.PreSnOfstTD0_p5 0x5b1
g.PreSnOfstTD0_1 0x722
g.PreSnOfstTD0_2 0x7d6
g.PreSnOfstTD0_5 0x7c3
g.PreSnOfstTD0_10 0x7e7
g.PreSnOfstTD0_20 0x72c
g.PreSnOfstTD0_50 0x77e
g.PreSnOfstTD0_100 0x7c7
g.PreSnOfstTD0_200 0x7ea
h.RefDacInvGainTD1 0x5cb
h.RefDacInvLSB 3.051757839322e-004
i.RefDacLinTD4[_0] 0x894
i.RefDacLinTD4[_1] 0x84e
i.RefDacLinTD4[_2] 0x898
i.RefDacLinTD4[_3] 0x831
i.RefDacLinTD4[_4] 0x87e
i.RefDacLinTD4[_5] 0x831
i.RefDacLinTD4[_6] 0x86a
i.RefDacLinTD4[_7] 0x7f5
i.RefDacLinTD4[_8] 0xa52
i.RefDacLinTD4[_9] 0x9f9
i.RefDacLinTD4[10] 0xa2b
i.RefDacLinTD4[11] 0x9a5
i.RefDacLinTD4[12] 0xb74
i.RefDacLinTD4[13] 0xb06
i.RefDacLinTD4[14] 0xb34
i.RefDacLinTD4[15] 0xaa7

i.RefDacLinTD4[16]	0xa48
i.RefDacLinTD4[17]	0x9c8
i.RefDacLinTD4[18]	0x9ea
i.RefDacLinTD4[19]	0x95e
i.RefDacLinTD4[20]	0xa18
i.RefDacLinTD4[21]	0x99c
i.RefDacLinTD4[22]	0x9bd
i.RefDacLinTD4[23]	0x927
i.RefDacLinTD4[24]	0x988
i.RefDacLinTD4[25]	0x90a
i.RefDacLinTD4[26]	0x921
i.RefDacLinTD4[27]	0x886
i.RefDacLinTD4[28]	0x92a
i.RefDacLinTD4[29]	0x8a8
i.RefDacLinTD4[30]	0x8bf
i.RefDacLinTD4[31]	0x827
i.RefDacLinTD4[32]	0x83a
i.RefDacLinTD4[33]	0x7b9
i.RefDacLinTD4[34]	0x7d8
i.RefDacLinTD4[35]	0x73f
i.RefDacLinTD4[36]	0x895
i.RefDacLinTD4[37]	0x80d
i.RefDacLinTD4[38]	0x836
i.RefDacLinTD4[39]	0x79e
i.RefDacLinTD4[40]	0x8e2
i.RefDacLinTD4[41]	0x866
i.RefDacLinTD4[42]	0x887
i.RefDacLinTD4[43]	0x7fd
i.RefDacLinTD4[44]	0x715
i.RefDacLinTD4[45]	0x6aa
i.RefDacLinTD4[46]	0x6d6
i.RefDacLinTD4[47]	0x655
i.RefDacLinTD4[48]	0x6be
i.RefDacLinTD4[49]	0x661
i.RefDacLinTD4[50]	0x694
i.RefDacLinTD4[51]	0x620
i.RefDacLinTD4[52]	0x7be
i.RefDacLinTD4[53]	0x769
i.RefDacLinTD4[54]	0x7a7
i.RefDacLinTD4[55]	0x73c
i.RefDacLinTD4[56]	0x758
i.RefDacLinTD4[57]	0x70b
i.RefDacLinTD4[58]	0x764
i.RefDacLinTD4[59]	0x708

i.RefDacLinTD4[60] 0x7cf
i.RefDacLinTD4[61] 0x79c
i.RefDacLinTD4[62] 0x80f
i.RefDacLinTD4[63] 0x7b3
j.PreSnGain_1x 9.999996380084e-001
j.PreSnGain_2x 2.000062152141e+000
j.PreSnGain_4x 4.000070932125e+000
j.PreSnGain_5x 5.000393708263e+000
j.PreSnGain_10x 1.000109400139e+001
j.PreSnGain_20x 2.000194580329e+001
k.DivBy20Gain 2.000509052466e+001
l.Adc2_OfstTD5_50x 0x40f
l.Adc2_OfstTD5_10x 0x414
l.Adc2_OfstTD5_5x 0x414
l.Adc2_OfstTD5_1x 0x414
m.Adc2LSB_50x 9.777092462666e-005
m.Adc2LSB_10x 5.431103703503e-004
m.Adc2LSB_5x 9.775943059629e-004
m.Adc2LSB_1x 5.431122926962e-003
n.HighSpeedOfstTD5_4x 0x453
n.HighSpeedOfstTD5_2x 0x445
n.HighSpeedOfstTD5_1x 0x441
o.HighSpeedGainLSB_4x 2.702344628479e-004
o.HighSpeedGainLSB_2x 5.395624359320e-004
o.HighSpeedGainLSB_1x 1.078543750337e-003
TempTD3 0x4ed
AirTemp 30.6 deg C
CtlTemp 37.9 deg C

EEPROM verified OK
(10/26/22 13:35.27 - CAL REV:2015) *** CAL RAM UPDATED ***

Check QMS24: SN REV 29

POS=24 PIN= 4 16 Bit ADC , High Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5000 V	-0.003mV	P	0.240mV
0	0.0901 V	0.0900 V	-0.003mV	P	0.232mV
0	-0.0165mV	-0.0179mV	-0.001mV	P	0.230mV
0	-0.0900 V	-0.0900 V	-0.001mV	P	0.232mV

0	-0.4999 V	-0.4999 V	-0.002mV	P	0.240mV
1	1.0000 V	1.0000 V	-0.002mV	P	0.265mV
1	0.5000 V	0.5000 V	-0.001mV	P	0.255mV
1	0.0901 V	0.0901 V	-0.001mV	P	0.247mV
1	-0.0165mV	-0.0172mV	-0.001mV	P	0.245mV
1	-0.0900 V	-0.0900 V	0.002mV	P	0.247mV
1	-0.4999 V	-0.4999 V	-0.001mV	P	0.255mV
1	-0.9999 V	-0.9999 V	-0.002mV	P	0.265mV
2	1.9999 V	1.9999 V	0.004mV	P	0.290mV
2	1.0000 V	1.0000 V	0.004mV	P	0.275mV
2	0.5000 V	0.5001 V	0.004mV	P	0.268mV
2	0.0901 V	0.0901 V	0.003mV	P	0.261mV
2	-0.0165mV	-0.0133mV	0.003mV	P	0.260mV
2	-0.0900 V	-0.0899 V	0.007mV	P	0.261mV
2	-0.4999 V	-0.4999 V	0.002mV	P	0.268mV
2	-0.9999 V	-0.9999 V	0.002mV	P	0.275mV
2	-1.9998 V	-1.9998 V	-0.002mV	P	0.290mV
3	5.0000 V	5.0001 V	0.006mV	P	0.350mV
3	2.4999 V	2.4999 V	0.010mV	P	0.325mV
3	1.9999 V	1.9999 V	-0.012mV	P	0.320mV
3	1.0000 V	1.0000 V	0.011mV	P	0.310mV
3	0.5000 V	0.5001 V	0.005mV	P	0.305mV
3	0.0901 V	0.0901 V	0.005mV	P	0.301mV
3	-0.0165mV	-0.0093mV	0.007mV	P	0.300mV
3	-0.0900 V	-0.0900 V	-0.014mV	P	0.301mV
3	-0.4999 V	-0.4999 V	0.014mV	P	0.305mV
3	-0.9999 V	-0.9999 V	0.007mV	P	0.310mV
3	-1.9998 V	-1.9998 V	0.001mV	P	0.320mV
3	-2.4997 V	-2.4997 V	0.005mV	P	0.325mV
3	-4.9998 V	-4.9998 V	-0.006mV	P	0.350mV
4	10.0003 V	10.0004 V	0.012mV	P	0.500mV
4	5.0000 V	5.0001 V	0.022mV	P	0.450mV
4	2.4999 V	2.4999 V	0.023mV	P	0.425mV
4	1.9999 V	1.9999 V	0.026mV	P	0.420mV
4	1.0000 V	1.0000 V	0.014mV	P	0.410mV
4	0.5000 V	0.5001 V	0.024mV	P	0.405mV
4	0.0901 V	0.0900 V	-0.009mV	P	0.401mV
4	-0.0165mV	-0.0010mV	0.016mV	P	0.400mV
4	-0.0900 V	-0.0899 V	0.045mV	P	0.401mV
4	-0.4999 V	-0.4999 V	0.019mV	P	0.405mV

4	-0.9999 V	-0.9999 V	0.027mV	P	0.410mV
4	-1.9998 V	-1.9998 V	0.013mV	P	0.420mV
4	-2.4997 V	-2.4997 V	0.013mV	P	0.425mV
4	-4.9998 V	-4.9998 V	0.009mV	P	0.450mV
4	-10.0000 V	-10.0000 V	-0.016mV	P	0.500mV
5	10.0003 V	10.0004 V	0.077mV	P	0.850mV
5	5.0000 V	5.0001 V	0.101mV	P	0.775mV
5	2.4999 V	2.5000 V	0.103mV	P	0.737mV
5	1.9999 V	2.0000 V	0.080mV	P	0.730mV
5	1.0000 V	1.0001 V	0.094mV	P	0.715mV
5	0.5000 V	0.5002 V	0.123mV	P	0.708mV
5	0.0901 V	0.0902 V	0.159mV	P	0.701mV
5	-0.0165mV	0.0647mV	0.081mV	P	0.700mV
5	-0.0900 V	-0.0899 V	0.013mV	P	0.701mV
5	-0.4999 V	-0.4999 V	0.055mV	P	0.708mV
5	-0.9999 V	-0.9998 V	0.085mV	P	0.715mV
5	-1.9998 V	-1.9998 V	-0.008mV	P	0.730mV
5	-2.4997 V	-2.4997 V	0.056mV	P	0.737mV
5	-4.9998 V	-4.9998 V	0.063mV	P	0.775mV
5	-10.0000 V	-10.0000 V	0.037mV	P	0.850mV
6	10.0003 V	10.0005 V	0.170mV	P	1.550mV
6	5.0000 V	5.0002 V	0.104mV	P	1.475mV
6	2.4999 V	2.5000 V	0.142mV	P	1.438mV
6	1.9999 V	2.0000 V	0.106mV	P	1.430mV
6	1.0000 V	1.0001 V	0.096mV	P	1.415mV
6	0.5000 V	0.5000 V	-0.012mV	P	1.408mV
6	0.0901 V	0.0903 V	0.212mV	P	1.401mV
6	-0.0165mV	0.0678mV	0.084mV	P	1.400mV
6	-0.0900 V	-0.0899 V	0.008mV	P	1.401mV
6	-0.4999 V	-0.4997 V	0.260mV	P	1.408mV
6	-0.9999 V	-1.0000 V	-0.114mV	P	1.415mV
6	-1.9998 V	-1.9996 V	0.145mV	P	1.430mV
6	-2.4997 V	-2.4996 V	0.112mV	P	1.438mV
6	-4.9998 V	-4.9997 V	0.151mV	P	1.475mV
6	-10.0000 V	-9.9999 V	0.064mV	P	1.550mV
7	10.0003 V	10.0005 V	0.119mV	P	2.550mV
7	5.0000 V	5.0003 V	0.240mV	P	2.475mV
7	2.4999 V	2.4997 V	-0.183mV	P	2.438mV
7	1.9999 V	2.0000 V	0.090mV	P	2.430mV
7	1.0000 V	0.9999 V	-0.145mV	P	2.415mV
7	0.5000 V	0.5004 V	0.339mV	P	2.407mV

7	0.0901 V	0.0904 V	0.304mV	P	2.401mV
7	-0.0165mV	0.0798mV	0.096mV	P	2.400mV
7	-0.0900 V	-0.0900 V	-0.063mV	P	2.401mV
7	-0.4999 V	-0.4998 V	0.133mV	P	2.407mV
7	-0.9999 V	-0.9994 V	0.469mV	P	2.415mV
7	-1.9998 V	-2.0001 V	-0.310mV	P	2.430mV
7	-2.4997 V	-2.4997 V	0.033mV	P	2.438mV
7	-4.9998 V	-4.9997 V	0.159mV	P	2.475mV
7	-10.0000 V	-10.0003 V	-0.334mV	P	2.550mV
8	10.0003 V	10.0008 V	0.479mV	P	4.950mV
8	5.0000 V	5.0008 V	0.758mV	P	4.875mV
8	2.4999 V	2.5004 V	0.498mV	P	4.837mV
8	1.9999 V	1.9997 V	-0.209mV	P	4.830mV
8	1.0000 V	1.0004 V	0.423mV	P	4.815mV
8	0.5000 V	0.5000 V	-0.045mV	P	4.807mV
8	0.0901 V	0.0901 V	0.002mV	P	4.801mV
8	-0.0165mV	0.2755mV	0.292mV	P	4.800mV
8	-0.0900 V	-0.0904 V	-0.418mV	P	4.801mV
8	-0.4999 V	-0.5003 V	-0.382mV	P	4.807mV
8	-0.9999 V	-0.9996 V	0.262mV	P	4.815mV
8	-1.9998 V	-1.9989 V	0.922mV	P	4.830mV
8	-2.4997 V	-2.4995 V	0.245mV	P	4.837mV
8	-4.9998 V	-4.9997 V	0.082mV	P	4.875mV
8	-10.0000 V	-9.9997 V	0.337mV	P	4.950mV

POS=24 PIN= 4 16 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5000 V	-0.013mV	P	0.335mV
0	0.0901 V	0.0900 V	-0.024mV	P	0.306mV
0	-0.0165mV	-0.0245mV	-0.008mV	P	0.300mV
0	-0.0900 V	-0.0900 V	-0.017mV	P	0.306mV
0	-0.4999 V	-0.5000 V	-0.018mV	P	0.335mV
1	1.0000 V	1.0000 V	-0.021mV	P	0.410mV
1	0.5000 V	0.5000 V	-0.004mV	P	0.380mV
1	0.0901 V	0.0900 V	-0.053mV	P	0.355mV
1	-0.0165mV	-0.0217mV	-0.005mV	P	0.350mV
1	-0.0900 V	-0.0900 V	-0.017mV	P	0.355mV
1	-0.4999 V	-0.5000 V	-0.040mV	P	0.380mV
1	-0.9999 V	-0.9999 V	-0.027mV	P	0.410mV

2	1.9999 V	1.9999 V	-0.029mV	P	0.500mV
2	1.0000 V	1.0000 V	-0.013mV	P	0.450mV
2	0.5000 V	0.5000 V	-0.033mV	P	0.425mV
2	0.0901 V	0.0900 V	-0.087mV	P	0.405mV
2	-0.0165mV	-0.0170mV	-0.000mV	P	0.400mV
2	-0.0900 V	-0.0900 V	-0.043mV	P	0.405mV
2	-0.4999 V	-0.5000 V	-0.086mV	P	0.425mV
2	-0.9999 V	-1.0000 V	-0.076mV	P	0.450mV
2	-1.9998 V	-1.9998 V	-0.050mV	P	0.500mV
3	5.0000 V	5.0000 V	-0.090mV	P	0.950mV
3	2.4999 V	2.4998 V	-0.054mV	P	0.825mV
3	1.9999 V	1.9998 V	-0.150mV	P	0.800mV
3	1.0000 V	0.9999 V	-0.128mV	P	0.750mV
3	0.5000 V	0.5000 V	-0.061mV	P	0.725mV
3	0.0901 V	0.0898 V	-0.249mV	P	0.704mV
3	-0.0165mV	-0.0200mV	-0.003mV	P	0.700mV
3	-0.0900 V	-0.0900 V	-0.088mV	P	0.704mV
3	-0.4999 V	-0.5001 V	-0.161mV	P	0.725mV
3	-0.9999 V	-1.0001 V	-0.252mV	P	0.750mV
3	-1.9998 V	-2.0000 V	-0.190mV	P	0.800mV
3	-2.4997 V	-2.4999 V	-0.205mV	P	0.825mV
3	-4.9998 V	-5.0000 V	-0.127mV	P	0.950mV
4	10.0003 V	10.0002 V	-0.191mV	P	1.700mV
4	5.0000 V	4.9999 V	-0.104mV	P	1.450mV
4	2.4999 V	2.4997 V	-0.199mV	P	1.325mV
4	1.9999 V	1.9996 V	-0.275mV	P	1.300mV
4	1.0000 V	0.9999 V	-0.117mV	P	1.250mV
4	0.5000 V	0.4998 V	-0.257mV	P	1.225mV
4	0.0901 V	0.0897 V	-0.391mV	P	1.205mV
4	-0.0165mV	-0.0166mV	-0.000mV	P	1.200mV
4	-0.0900 V	-0.0902 V	-0.268mV	P	1.205mV
4	-0.4999 V	-0.5001 V	-0.173mV	P	1.225mV
4	-0.9999 V	-1.0002 V	-0.328mV	P	1.250mV
4	-1.9998 V	-2.0003 V	-0.509mV	P	1.300mV
4	-2.4997 V	-2.5002 V	-0.443mV	P	1.325mV
4	-4.9998 V	-5.0002 V	-0.389mV	P	1.450mV
4	-10.0000 V	-10.0002 V	-0.255mV	P	1.700mV
5	10.0003 V	10.0003 V	-0.038mV	P	2.900mV
5	5.0000 V	4.9997 V	-0.302mV	P	2.550mV
5	2.4999 V	2.4993 V	-0.597mV	P	2.375mV
5	1.9999 V	1.9997 V	-0.170mV	P	2.340mV

5	1.0000 V	0.9995 V	-0.458mV	P	2.270mV
5	0.5000 V	0.4992 V	-0.870mV	P	2.235mV
5	0.0901 V	0.0898 V	-0.243mV	P	2.206mV
5	-0.0165mV	0.0244mV	0.041mV	P	2.200mV
5	-0.0900 V	-0.0903 V	-0.326mV	P	2.206mV
5	-0.4999 V	-0.5001 V	-0.205mV	P	2.235mV
5	-0.9999 V	-1.0001 V	-0.221mV	P	2.270mV
5	-1.9998 V	-2.0003 V	-0.512mV	P	2.340mV
5	-2.4997 V	-2.5003 V	-0.572mV	P	2.375mV
5	-4.9998 V	-5.0007 V	-0.827mV	P	2.550mV
5	-10.0000 V	-10.0007 V	-0.705mV	P	2.900mV
6	10.0003 V	9.9991 V	-1.251mV	P	5.700mV
6	5.0000 V	4.9995 V	-0.521mV	P	5.350mV
6	2.4999 V	2.4986 V	-1.309mV	P	5.175mV
6	1.9999 V	1.9974 V	-2.538mV	P	5.140mV
6	1.0000 V	0.9971 V	-2.881mV	P	5.070mV
6	0.5000 V	0.4984 V	-1.687mV	P	5.035mV
6	0.0901 V	0.0895 V	-0.541mV	P	5.006mV
6	-0.0165mV	0.0348mV	0.051mV	P	5.000mV
6	-0.0900 V	-0.0905 V	-0.516mV	P	5.006mV
6	-0.4999 V	-0.5013 V	-1.368mV	P	5.035mV
6	-0.9999 V	-1.0003 V	-0.408mV	P	5.070mV
6	-1.9998 V	-2.0003 V	-0.509mV	P	5.140mV
6	-2.4997 V	-2.5005 V	-0.790mV	P	5.175mV
6	-4.9998 V	-5.0015 V	-1.642mV	P	5.350mV
6	-10.0000 V	-10.0026 V	-2.617mV	P	5.700mV
7	10.0003 V	9.9993 V	-0.001 V	P	0.011 V
7	5.0000 V	4.9976 V	-0.002 V	P	0.010 V
7	2.4999 V	2.4948 V	-0.005 V	P	0.010 V
7	1.9999 V	1.9942 V	-0.006 V	P	0.010 V
7	1.0000 V	0.9964 V	-0.004 V	P	0.010 V
7	0.5000 V	0.4978 V	-0.002 V	P	0.010 V
7	0.0901 V	0.0884 V	-0.002 V	P	0.010 V
7	-0.0165mV	0.0730mV	0.000 V	P	0.010 V
7	-0.0900 V	-0.0901 V	-0.000 V	P	0.010 V
7	-0.4999 V	-0.5015 V	-0.002 V	P	0.010 V
7	-0.9999 V	-1.0027 V	-0.003 V	P	0.010 V
7	-1.9998 V	-2.0007 V	-0.001 V	P	0.010 V
7	-2.4997 V	-2.5009 V	-0.001 V	P	0.010 V
7	-4.9998 V	-5.0015 V	-0.002 V	P	0.010 V
7	-10.0000 V	-10.0033 V	-0.003 V	P	0.011 V

8	10.0003 V	9.9953 V	-0.005 V	P	0.021 V
8	5.0000 V	4.9903 V	-0.010 V	P	0.020 V
8	2.4999 V	2.4921 V	-0.008 V	P	0.020 V
8	1.9999 V	1.9931 V	-0.007 V	P	0.020 V
8	1.0000 V	0.9957 V	-0.004 V	P	0.020 V
8	0.5000 V	0.4976 V	-0.002 V	P	0.020 V
8	0.0901 V	0.0866 V	-0.003 V	P	0.020 V
8	-0.0165mV	-0.3360mV	-0.000 V	P	0.020 V
8	-0.0900 V	-0.0905 V	-0.001 V	P	0.020 V
8	-0.4999 V	-0.5018 V	-0.002 V	P	0.020 V
8	-0.9999 V	-1.0034 V	-0.004 V	P	0.020 V
8	-1.9998 V	-2.0054 V	-0.006 V	P	0.020 V
8	-2.4997 V	-2.5049 V	-0.005 V	P	0.020 V
8	-4.9998 V	-5.0025 V	-0.003 V	P	0.020 V
8	-10.0000 V	-10.0034 V	-0.003 V	P	0.021 V

POS=24 PIN= 4 12 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5001 V	0.032mV	P	6.250mV
0	0.0901 V	0.0902 V	0.122mV	P	6.045mV
0	-0.0165mV	0.0667mV	0.083mV	P	6.000mV
0	-0.0900 V	-0.0898 V	0.109mV	P	6.045mV
0	-0.4999 V	-0.4998 V	0.164mV	P	6.250mV
1	1.0000 V	1.0001 V	0.068mV	P	6.500mV
1	0.5000 V	0.5002 V	0.167mV	P	6.250mV
1	0.0901 V	0.0903 V	0.209mV	P	6.045mV
1	-0.0165mV	0.1513mV	0.168mV	P	6.000mV
1	-0.0900 V	-0.0896 V	0.310mV	P	6.045mV
1	-0.4999 V	-0.4997 V	0.289mV	P	6.250mV
1	-0.9999 V	-0.9995 V	0.349mV	P	6.500mV
2	1.9999 V	2.0001 V	0.178mV	P	7.000mV
2	1.0000 V	1.0004 V	0.355mV	P	6.500mV
2	0.5000 V	0.5005 V	0.486mV	P	6.250mV
2	0.0901 V	0.0905 V	0.477mV	P	6.045mV
2	-0.0165mV	0.3525mV	0.369mV	P	6.000mV
2	-0.0900 V	-0.0894 V	0.573mV	P	6.045mV
2	-0.4999 V	-0.4995 V	0.476mV	P	6.250mV
2	-0.9999 V	-0.9993 V	0.560mV	P	6.500mV
2	-1.9998 V	-1.9991 V	0.690mV	P	7.000mV

3	5.0000 V	5.0004 V	0.307mV	P	9.500mV
3	2.4999 V	2.5008 V	0.898mV	P	8.250mV
3	1.9999 V	2.0008 V	0.865mV	P	8.000mV
3	1.0000 V	1.0014 V	1.431mV	P	7.500mV
3	0.5000 V	0.5011 V	1.099mV	P	7.250mV
3	0.0901 V	0.0910 V	0.913mV	P	7.045mV
3	-0.0165mV	0.8243mV	0.841mV	P	7.000mV
3	-0.0900 V	-0.0891 V	0.904mV	P	7.045mV
3	-0.4999 V	-0.4985 V	1.412mV	P	7.250mV
3	-0.9999 V	-0.9986 V	1.278mV	P	7.500mV
3	-1.9998 V	-1.9984 V	1.409mV	P	8.000mV
3	-2.4997 V	-2.4982 V	1.509mV	P	8.250mV
3	-4.9998 V	-4.9982 V	1.616mV	P	9.500mV

4	10.0003 V	10.0012 V	0.001 V	P	0.019 V
4	5.0000 V	5.0016 V	0.002 V	P	0.017 V
4	2.4999 V	2.5020 V	0.002 V	P	0.015 V
4	1.9999 V	2.0026 V	0.003 V	P	0.015 V
4	1.0000 V	1.0022 V	0.002 V	P	0.015 V
4	0.5000 V	0.5025 V	0.002 V	P	0.014 V
4	0.0901 V	0.0921 V	0.002 V	P	0.014 V
4	-0.0165mV	1.9202mV	0.002 V	P	0.014 V
4	-0.0900 V	-0.0875 V	0.002 V	P	0.014 V
4	-0.4999 V	-0.4973 V	0.003 V	P	0.014 V
4	-0.9999 V	-0.9970 V	0.003 V	P	0.015 V
4	-1.9998 V	-1.9970 V	0.003 V	P	0.015 V
4	-2.4997 V	-2.4973 V	0.002 V	P	0.015 V
4	-4.9998 V	-4.9969 V	0.003 V	P	0.017 V
4	-10.0000 V	-9.9967 V	0.003 V	P	0.019 V

5	10.0003 V	10.0037 V	0.003 V	P	0.033 V
5	5.0000 V	5.0046 V	0.005 V	P	0.030 V
5	2.4999 V	2.5050 V	0.005 V	P	0.029 V
5	1.9999 V	2.0046 V	0.005 V	P	0.029 V
5	1.0000 V	1.0052 V	0.005 V	P	0.029 V
5	0.5000 V	0.5047 V	0.005 V	P	0.028 V
5	0.0901 V	0.0941 V	0.004 V	P	0.028 V
5	-0.0165mV	4.1174mV	0.004 V	P	0.028 V
5	-0.0900 V	-0.0854 V	0.005 V	P	0.028 V
5	-0.4999 V	-0.4948 V	0.005 V	P	0.028 V
5	-0.9999 V	-0.9945 V	0.005 V	P	0.029 V
5	-1.9998 V	-1.9940 V	0.006 V	P	0.029 V
5	-2.4997 V	-2.4945 V	0.005 V	P	0.029 V
5	-4.9998 V	-4.9947 V	0.005 V	P	0.030 V

5	-10.0000 V	-9.9940 V	0.006 V	P	0.033 V
6	10.0003 V	10.0135 V	0.013 V	P	0.075 V
6	5.0000 V	5.0110 V	0.011 V	P	0.073 V
6	2.4999 V	2.5118 V	0.012 V	P	0.071 V
6	1.9999 V	2.0125 V	0.013 V	P	0.071 V
6	1.0000 V	1.0091 V	0.009 V	P	0.071 V
6	0.5000 V	0.5120 V	0.012 V	P	0.070 V
6	0.0901 V	0.1005 V	0.010 V	P	0.070 V
6	-0.0165mV	9.8734mV	0.010 V	P	0.070 V
6	-0.0900 V	-0.0792 V	0.011 V	P	0.070 V
6	-0.4999 V	-0.4874 V	0.013 V	P	0.070 V
6	-0.9999 V	-0.9884 V	0.012 V	P	0.071 V
6	-1.9998 V	-1.9853 V	0.014 V	P	0.071 V
6	-2.4997 V	-2.4866 V	0.013 V	P	0.071 V
6	-4.9998 V	-4.9859 V	0.014 V	P	0.073 V
6	-10.0000 V	-9.9869 V	0.013 V	P	0.075 V
7	10.0003 V	10.0217 V	0.021 V	P	0.145 V
7	5.0000 V	5.0242 V	0.024 V	P	0.143 V
7	2.4999 V	2.5212 V	0.021 V	P	0.141 V
7	1.9999 V	2.0182 V	0.018 V	P	0.141 V
7	1.0000 V	1.0236 V	0.024 V	P	0.141 V
7	0.5000 V	0.5201 V	0.020 V	P	0.140 V
7	0.0901 V	0.1107 V	0.021 V	P	0.140 V
7	-0.0000 V	0.0193 V	0.019 V	P	0.140 V
7	-0.0900 V	-0.0658 V	0.024 V	P	0.140 V
7	-0.4999 V	-0.4765 V	0.023 V	P	0.140 V
7	-0.9999 V	-0.9748 V	0.025 V	P	0.141 V
7	-1.9998 V	-1.9771 V	0.023 V	P	0.141 V
7	-2.4997 V	-2.4752 V	0.025 V	P	0.141 V
7	-4.9998 V	-4.9737 V	0.026 V	P	0.143 V
7	-10.0000 V	-9.9721 V	0.028 V	P	0.145 V
8	10.0003 V	10.0479 V	0.048 V	P	0.285 V
8	5.0000 V	5.0435 V	0.043 V	P	0.283 V
8	2.4999 V	2.5400 V	0.040 V	P	0.281 V
8	1.9999 V	2.0465 V	0.047 V	P	0.281 V
8	1.0000 V	1.0404 V	0.040 V	P	0.281 V
8	0.5000 V	0.5404 V	0.040 V	P	0.280 V
8	0.0901 V	0.1272 V	0.037 V	P	0.280 V
8	-0.0000 V	0.0400 V	0.040 V	P	0.280 V
8	-0.0900 V	-0.0531 V	0.037 V	P	0.280 V
8	-0.4999 V	-0.4507 V	0.049 V	P	0.280 V

8	-0.9999 V	-0.9553 V	0.045 V	P	0.281 V
8	-1.9998 V	-1.9499 V	0.050 V	P	0.281 V
8	-2.4997 V	-2.4554 V	0.044 V	P	0.281 V
8	-4.9998 V	-4.9522 V	0.048 V	P	0.283 V
8	-10.0000 V	-9.9474 V	0.053 V	P	0.285 V

POS=24 PIN= 4 12 Bit ADC , Precision Mode, High speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5001 V	0.035mV	P	6.250mV
0	0.0901 V	0.0902 V	0.196mV	P	6.045mV
0	-0.0165mV	0.2142mV	0.231mV	P	6.000mV
0	-0.0900 V	-0.0898 V	0.164mV	P	6.045mV
0	-0.4999 V	-0.4998 V	0.171mV	P	6.250mV
1	1.0000 V	1.0002 V	0.189mV	P	6.500mV
1	0.5000 V	0.5003 V	0.213mV	P	6.250mV
1	0.0901 V	0.0903 V	0.257mV	P	6.045mV
1	-0.0165mV	0.2424mV	0.259mV	P	6.000mV
1	-0.0900 V	-0.0898 V	0.206mV	P	6.045mV
1	-0.4999 V	-0.4998 V	0.147mV	P	6.250mV
1	-0.9999 V	-0.9999 V	0.009mV	P	6.500mV
2	1.9999 V	2.0006 V	0.660mV	P	7.000mV
2	1.0000 V	1.0009 V	0.900mV	P	6.500mV
2	0.5000 V	0.5010 V	0.905mV	P	6.250mV
2	0.0901 V	0.0910 V	0.939mV	P	6.045mV
2	-0.0165mV	0.9924mV	1.009mV	P	6.000mV
2	-0.0900 V	-0.0891 V	0.882mV	P	6.045mV
2	-0.4999 V	-0.4992 V	0.791mV	P	6.250mV
2	-0.9999 V	-0.9989 V	0.941mV	P	6.500mV
2	-1.9998 V	-1.9989 V	0.916mV	P	7.000mV

Cal Air Temp = 28.6 deg C
Chk Air Temp = 28.1 deg C
Delta Air Temp = -0.5 deg C

Cal Ctl Temp = 33.2 deg C
Chk Ctl Temp = 33.2 deg C
Delta Ctl Temp = 0.1 deg C

$$$ END EVEN PIN $$$$$ START ODD PIN $$$$

POS=24 PIN= 5 16 Bit ADC , High Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5000 V	0.000mV	P	0.240mV
0	0.0900 V	0.0900 V	0.001mV	P	0.232mV
0	-0.0306mV	-0.0319mV	-0.001mV	P	0.230mV
0	-0.0900 V	-0.0900 V	-0.000mV	P	0.232mV
0	-0.5001 V	-0.5001 V	-0.002mV	P	0.240mV
1	1.0001 V	1.0001 V	-0.001mV	P	0.265mV
1	0.5000 V	0.5000 V	0.004mV	P	0.255mV
1	0.0900 V	0.0900 V	0.004mV	P	0.247mV
1	-0.0306mV	-0.0322mV	-0.002mV	P	0.245mV
1	-0.0900 V	-0.0900 V	-0.001mV	P	0.247mV
1	-0.5001 V	-0.5001 V	-0.001mV	P	0.255mV
1	-1.0001 V	-1.0001 V	-0.004mV	P	0.265mV
2	2.0001 V	2.0001 V	0.007mV	P	0.290mV
2	1.0001 V	1.0001 V	-0.001mV	P	0.275mV
2	0.5000 V	0.5001 V	0.008mV	P	0.268mV
2	0.0900 V	0.0900 V	-0.005mV	P	0.261mV
2	-0.0306mV	-0.0316mV	-0.001mV	P	0.260mV
2	-0.0900 V	-0.0900 V	0.000mV	P	0.261mV
2	-0.5001 V	-0.5001 V	-0.000mV	P	0.268mV
2	-1.0001 V	-1.0001 V	-0.000mV	P	0.275mV
2	-2.0002 V	-2.0002 V	-0.009mV	P	0.290mV
3	5.0007 V	5.0007 V	-0.007mV	P	0.350mV
3	2.5002 V	2.5002 V	-0.005mV	P	0.325mV
3	2.0001 V	2.0001 V	0.008mV	P	0.320mV
3	1.0001 V	1.0000 V	-0.015mV	P	0.310mV
3	0.5000 V	0.5001 V	0.009mV	P	0.305mV
3	0.0900 V	0.0900 V	0.017mV	P	0.301mV
3	-0.0306mV	-0.0342mV	-0.004mV	P	0.300mV
3	-0.0900 V	-0.0900 V	-0.006mV	P	0.301mV
3	-0.5001 V	-0.5001 V	0.005mV	P	0.305mV
3	-1.0001 V	-1.0001 V	0.009mV	P	0.310mV
3	-2.0002 V	-2.0002 V	0.004mV	P	0.320mV
3	-2.5002 V	-2.5002 V	-0.004mV	P	0.325mV
3	-5.0007 V	-5.0008 V	-0.023mV	P	0.350mV
4	10.0012 V	10.0012 V	-0.004mV	P	0.500mV

4	5.0007 V	5.0007 V	-0.002mV	P	0.450mV
4	2.5002 V	2.5002 V	-0.002mV	P	0.425mV
4	2.0001 V	2.0001 V	-0.032mV	P	0.420mV
4	1.0001 V	1.0001 V	0.015mV	P	0.410mV
4	0.5000 V	0.5001 V	0.026mV	P	0.405mV
4	0.0900 V	0.0900 V	0.006mV	P	0.401mV
4	-0.0306mV	-0.0395mV	-0.009mV	P	0.400mV
4	-0.0900 V	-0.0901 V	-0.015mV	P	0.401mV
4	-0.5001 V	-0.5001 V	-0.030mV	P	0.405mV
4	-1.0001 V	-1.0001 V	0.012mV	P	0.410mV
4	-2.0002 V	-2.0002 V	0.023mV	P	0.420mV
4	-2.5002 V	-2.5002 V	-0.010mV	P	0.425mV
4	-5.0007 V	-5.0007 V	-0.006mV	P	0.450mV
4	-10.0013 V	-10.0013 V	-0.047mV	P	0.500mV
5	10.0012 V	10.0012 V	0.016mV	P	0.850mV
5	5.0007 V	5.0007 V	0.035mV	P	0.775mV
5	2.5002 V	2.5002 V	0.019mV	P	0.737mV
5	2.0001 V	2.0002 V	0.061mV	P	0.730mV
5	1.0001 V	1.0001 V	0.091mV	P	0.715mV
5	0.5000 V	0.5001 V	0.061mV	P	0.708mV
5	0.0900 V	0.0901 V	0.062mV	P	0.701mV
5	-0.0306mV	-0.0154mV	0.015mV	P	0.700mV
5	-0.0900 V	-0.0900 V	0.060mV	P	0.701mV
5	-0.5001 V	-0.5000 V	0.042mV	P	0.708mV
5	-1.0001 V	-1.0001 V	-0.028mV	P	0.715mV
5	-2.0002 V	-2.0001 V	0.055mV	P	0.730mV
5	-2.5002 V	-2.5002 V	0.015mV	P	0.737mV
5	-5.0007 V	-5.0007 V	0.013mV	P	0.775mV
5	-10.0013 V	-10.0013 V	0.007mV	P	0.850mV
6	10.0012 V	10.0011 V	-0.110mV	P	1.550mV
6	5.0007 V	5.0008 V	0.102mV	P	1.475mV
6	2.5002 V	2.5003 V	0.169mV	P	1.438mV
6	2.0001 V	2.0000 V	-0.149mV	P	1.430mV
6	1.0001 V	1.0003 V	0.217mV	P	1.415mV
6	0.5000 V	0.5002 V	0.132mV	P	1.408mV
6	0.0900 V	0.0900 V	-0.034mV	P	1.401mV
6	-0.0306mV	0.2136mV	0.244mV	P	1.400mV
6	-0.0900 V	-0.0898 V	0.201mV	P	1.401mV
6	-0.5001 V	-0.5001 V	0.013mV	P	1.408mV
6	-1.0001 V	-1.0001 V	0.001mV	P	1.415mV
6	-2.0002 V	-2.0000 V	0.153mV	P	1.430mV
6	-2.5002 V	-2.5003 V	-0.137mV	P	1.438mV

6	-5.0007 V	-5.0007 V	0.059mV	P	1.475mV
6	-10.0013 V	-10.0012 V	0.113mV	P	1.550mV
7	10.0012 V	10.0013 V	0.147mV	P	2.550mV
7	5.0007 V	5.0010 V	0.297mV	P	2.475mV
7	2.5002 V	2.5003 V	0.110mV	P	2.438mV
7	2.0001 V	2.0005 V	0.373mV	P	2.430mV
7	1.0001 V	1.0003 V	0.230mV	P	2.415mV
7	0.5000 V	0.5001 V	0.050mV	P	2.407mV
7	0.0900 V	0.0897 V	-0.329mV	P	2.401mV
7	-0.0306mV	-0.1162mV	-0.086mV	P	2.400mV
7	-0.0900 V	-0.0903 V	-0.237mV	P	2.401mV
7	-0.5001 V	-0.5002 V	-0.134mV	P	2.407mV
7	-1.0001 V	-1.0001 V	-0.042mV	P	2.415mV
7	-2.0002 V	-2.0002 V	-0.012mV	P	2.430mV
7	-2.5002 V	-2.5001 V	0.115mV	P	2.438mV
7	-5.0007 V	-5.0011 V	-0.332mV	P	2.475mV
7	-10.0013 V	-10.0011 V	0.135mV	P	2.550mV
8	10.0012 V	10.0017 V	0.500mV	P	4.950mV
8	5.0007 V	5.0009 V	0.275mV	P	4.875mV
8	2.5002 V	2.4996 V	-0.612mV	P	4.837mV
8	2.0001 V	2.0006 V	0.458mV	P	4.830mV
8	1.0001 V	1.0001 V	0.079mV	P	4.815mV
8	0.5000 V	0.5001 V	0.084mV	P	4.807mV
8	0.0900 V	0.0905 V	0.464mV	P	4.801mV
8	-0.0306mV	-0.2499mV	-0.219mV	P	4.800mV
8	-0.0900 V	-0.0900 V	0.038mV	P	4.801mV
8	-0.5001 V	-0.5000 V	0.105mV	P	4.807mV
8	-1.0001 V	-1.0004 V	-0.317mV	P	4.815mV
8	-2.0002 V	-2.0002 V	-0.008mV	P	4.830mV
8	-2.5002 V	-2.4999 V	0.342mV	P	4.837mV
8	-5.0007 V	-5.0007 V	0.082mV	P	4.875mV
8	-10.0013 V	-10.0019 V	-0.645mV	P	4.950mV

POS=24 PIN= 5 16 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5000 V	-0.011mV	P	0.335mV
0	0.0900 V	0.0900 V	-0.015mV	P	0.306mV
0	-0.0306mV	-0.0350mV	-0.004mV	P	0.300mV
0	-0.0900 V	-0.0900 V	-0.006mV	P	0.306mV
0	-0.5001 V	-0.5001 V	-0.009mV	P	0.335mV

1	1.0001 V	1.0000 V	-0.019mV	P	0.410mV
1	0.5000 V	0.5000 V	-0.017mV	P	0.380mV
1	0.0900 V	0.0900 V	-0.044mV	P	0.355mV
1	-0.0306mV	-0.0326mV	-0.002mV	P	0.350mV
1	-0.0900 V	-0.0900 V	0.005mV	P	0.355mV
1	-0.5001 V	-0.5001 V	-0.030mV	P	0.380mV
1	-1.0001 V	-1.0001 V	-0.012mV	P	0.410mV
2	2.0001 V	2.0001 V	-0.031mV	P	0.500mV
2	1.0001 V	1.0000 V	-0.036mV	P	0.450mV
2	0.5000 V	0.5000 V	-0.062mV	P	0.425mV
2	0.0900 V	0.0899 V	-0.056mV	P	0.405mV
2	-0.0306mV	-0.0247mV	0.006mV	P	0.400mV
2	-0.0900 V	-0.0900 V	-0.006mV	P	0.405mV
2	-0.5001 V	-0.5001 V	-0.026mV	P	0.425mV
2	-1.0001 V	-1.0002 V	-0.056mV	P	0.450mV
2	-2.0002 V	-2.0002 V	-0.023mV	P	0.500mV
3	5.0007 V	5.0006 V	-0.082mV	P	0.950mV
3	2.5002 V	2.5001 V	-0.102mV	P	0.825mV
3	2.0001 V	2.0000 V	-0.093mV	P	0.800mV
3	1.0001 V	0.9999 V	-0.110mV	P	0.750mV
3	0.5000 V	0.4999 V	-0.130mV	P	0.725mV
3	0.0900 V	0.0898 V	-0.149mV	P	0.704mV
3	-0.0306mV	0.0191mV	0.050mV	P	0.700mV
3	-0.0900 V	-0.0902 V	-0.126mV	P	0.704mV
3	-0.5001 V	-0.5002 V	-0.107mV	P	0.725mV
3	-1.0001 V	-1.0003 V	-0.154mV	P	0.750mV
3	-2.0002 V	-2.0003 V	-0.094mV	P	0.800mV
3	-2.5002 V	-2.5004 V	-0.148mV	P	0.825mV
3	-5.0007 V	-5.0008 V	-0.073mV	P	0.950mV
4	10.0012 V	10.0011 V	-0.118mV	P	1.700mV
4	5.0007 V	5.0005 V	-0.219mV	P	1.450mV
4	2.5002 V	2.4999 V	-0.296mV	P	1.325mV
4	2.0001 V	1.9999 V	-0.222mV	P	1.300mV
4	1.0001 V	0.9998 V	-0.261mV	P	1.250mV
4	0.5000 V	0.4997 V	-0.299mV	P	1.225mV
4	0.0900 V	0.0897 V	-0.288mV	P	1.205mV
4	-0.0306mV	0.1200mV	0.151mV	P	1.200mV
4	-0.0900 V	-0.0902 V	-0.114mV	P	1.205mV
4	-0.5001 V	-0.5002 V	-0.157mV	P	1.225mV
4	-1.0001 V	-1.0003 V	-0.194mV	P	1.250mV

4	-2.0002 V	-2.0005 V	-0.300mV	P	1.300mV
4	-2.5002 V	-2.5004 V	-0.183mV	P	1.325mV
4	-5.0007 V	-5.0010 V	-0.299mV	P	1.450mV
4	-10.0013 V	-10.0014 V	-0.173mV	P	1.700mV
5	10.0012 V	10.0009 V	-0.256mV	P	2.900mV
5	5.0007 V	5.0002 V	-0.521mV	P	2.550mV
5	2.5002 V	2.4997 V	-0.487mV	P	2.375mV
5	2.0001 V	1.9996 V	-0.546mV	P	2.340mV
5	1.0001 V	0.9994 V	-0.694mV	P	2.270mV
5	0.5000 V	0.4993 V	-0.711mV	P	2.235mV
5	0.0900 V	0.0902 V	0.208mV	P	2.206mV
5	-0.0306mV	0.1331mV	0.164mV	P	2.200mV
5	-0.0900 V	-0.0901 V	-0.042mV	P	2.206mV
5	-0.5001 V	-0.4999 V	0.195mV	P	2.235mV
5	-1.0001 V	-1.0002 V	-0.144mV	P	2.270mV
5	-2.0002 V	-2.0005 V	-0.275mV	P	2.340mV
5	-2.5002 V	-2.5003 V	-0.077mV	P	2.375mV
5	-5.0007 V	-5.0011 V	-0.359mV	P	2.550mV
5	-10.0013 V	-10.0019 V	-0.591mV	P	2.900mV
6	10.0012 V	10.0001 V	-1.109mV	P	5.700mV
6	5.0007 V	4.9993 V	-1.339mV	P	5.350mV
6	2.5002 V	2.4985 V	-1.708mV	P	5.175mV
6	2.0001 V	1.9983 V	-1.795mV	P	5.140mV
6	1.0001 V	0.9980 V	-2.012mV	P	5.070mV
6	0.5000 V	0.4988 V	-1.263mV	P	5.035mV
6	0.0900 V	0.0898 V	-0.213mV	P	5.006mV
6	-0.0306mV	0.5780mV	0.609mV	P	5.000mV
6	-0.0900 V	-0.0907 V	-0.626mV	P	5.006mV
6	-0.5001 V	-0.5005 V	-0.417mV	P	5.035mV
6	-1.0001 V	-1.0006 V	-0.477mV	P	5.070mV
6	-2.0002 V	-2.0001 V	0.082mV	P	5.140mV
6	-2.5002 V	-2.5010 V	-0.777mV	P	5.175mV
6	-5.0007 V	-5.0018 V	-1.022mV	P	5.350mV
6	-10.0013 V	-10.0028 V	-1.559mV	P	5.700mV
7	10.0012 V	9.9988 V	-0.002 V	P	0.011 V
7	5.0007 V	4.9975 V	-0.003 V	P	0.010 V
7	2.5002 V	2.4967 V	-0.003 V	P	0.010 V
7	2.0001 V	1.9961 V	-0.004 V	P	0.010 V
7	1.0001 V	0.9973 V	-0.003 V	P	0.010 V
7	0.5000 V	0.5007 V	0.001 V	P	0.010 V
7	0.0900 V	0.0896 V	-0.000 V	P	0.010 V

7	-0.0306mV	1.4004mV	0.001 V	P	0.010 V
7	-0.0900 V	-0.0913 V	-0.001 V	P	0.010 V
7	-0.5001 V	-0.5009 V	-0.001 V	P	0.010 V
7	-1.0001 V	-1.0009 V	-0.001 V	P	0.010 V
7	-2.0002 V	-2.0011 V	-0.001 V	P	0.010 V
7	-2.5002 V	-2.4992 V	0.001 V	P	0.010 V
7	-5.0007 V	-5.0021 V	-0.001 V	P	0.010 V
7	-10.0013 V	-10.0034 V	-0.002 V	P	0.011 V
8	10.0012 V	9.9947 V	-0.007 V	P	0.021 V
8	5.0007 V	4.9941 V	-0.007 V	P	0.020 V
8	2.5002 V	2.4918 V	-0.008 V	P	0.020 V
8	2.0001 V	1.9948 V	-0.005 V	P	0.020 V
8	1.0001 V	1.0012 V	0.001 V	P	0.020 V
8	0.5000 V	0.4989 V	-0.001 V	P	0.020 V
8	0.0900 V	0.0894 V	-0.001 V	P	0.020 V
8	-0.0306mV	2.4444mV	0.002 V	P	0.020 V
8	-0.0900 V	-0.0924 V	-0.002 V	P	0.020 V
8	-0.5001 V	-0.5022 V	-0.002 V	P	0.020 V
8	-1.0001 V	-1.0014 V	-0.001 V	P	0.020 V
8	-2.0002 V	-2.0019 V	-0.002 V	P	0.020 V
8	-2.5002 V	-2.5000 V	0.000 V	P	0.020 V
8	-5.0007 V	-4.9987 V	0.002 V	P	0.020 V
8	-10.0013 V	-10.0037 V	-0.002 V	P	0.021 V

POS=24 PIN= 5 12 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5001 V	0.020mV	P	6.250mV
0	0.0900 V	0.0901 V	0.114mV	P	6.045mV
0	-0.0306mV	0.0257mV	0.056mV	P	6.000mV
0	-0.0900 V	-0.0900 V	0.062mV	P	6.045mV
0	-0.5001 V	-0.5000 V	0.086mV	P	6.250mV
1	1.0001 V	1.0001 V	0.043mV	P	6.500mV
1	0.5000 V	0.5002 V	0.129mV	P	6.250mV
1	0.0900 V	0.0901 V	0.124mV	P	6.045mV
1	-0.0306mV	0.0929mV	0.123mV	P	6.000mV
1	-0.0900 V	-0.0898 V	0.206mV	P	6.045mV
1	-0.5001 V	-0.5000 V	0.079mV	P	6.250mV
1	-1.0001 V	-0.9999 V	0.170mV	P	6.500mV
2	2.0001 V	2.0003 V	0.121mV	P	7.000mV

2	1.0001 V	1.0003 V	0.256mV	P	6.500mV
2	0.5000 V	0.5004 V	0.373mV	P	6.250mV
2	0.0900 V	0.0902 V	0.237mV	P	6.045mV
2	-0.0306mV	0.2123mV	0.243mV	P	6.000mV
2	-0.0900 V	-0.0896 V	0.472mV	P	6.045mV
2	-0.5001 V	-0.4998 V	0.336mV	P	6.250mV
2	-1.0001 V	-1.0000 V	0.151mV	P	6.500mV
2	-2.0002 V	-1.9999 V	0.327mV	P	7.000mV
3	5.0007 V	5.0009 V	0.182mV	P	9.500mV
3	2.5002 V	2.5008 V	0.642mV	P	8.250mV
3	2.0001 V	2.0006 V	0.460mV	P	8.000mV
3	1.0001 V	1.0013 V	1.285mV	P	7.500mV
3	0.5000 V	0.5007 V	0.664mV	P	7.250mV
3	0.0900 V	0.0906 V	0.618mV	P	7.045mV
3	-0.0306mV	0.5893mV	0.620mV	P	7.000mV
3	-0.0900 V	-0.0896 V	0.485mV	P	7.045mV
3	-0.5001 V	-0.4990 V	1.092mV	P	7.250mV
3	-1.0001 V	-0.9996 V	0.472mV	P	7.500mV
3	-2.0002 V	-1.9995 V	0.729mV	P	8.000mV
3	-2.5002 V	-2.4998 V	0.373mV	P	8.250mV
3	-5.0007 V	-4.9999 V	0.840mV	P	9.500mV
4	10.0012 V	10.0016 V	0.000 V	P	0.019 V
4	5.0007 V	5.0019 V	0.001 V	P	0.017 V
4	2.5002 V	2.5019 V	0.002 V	P	0.015 V
4	2.0001 V	2.0028 V	0.003 V	P	0.015 V
4	1.0001 V	1.0013 V	0.001 V	P	0.015 V
4	0.5000 V	0.5012 V	0.001 V	P	0.014 V
4	0.0900 V	0.0915 V	0.001 V	P	0.014 V
4	-0.0306mV	1.1460mV	0.001 V	P	0.014 V
4	-0.0900 V	-0.0886 V	0.001 V	P	0.014 V
4	-0.5001 V	-0.4978 V	0.002 V	P	0.014 V
4	-1.0001 V	-0.9980 V	0.002 V	P	0.015 V
4	-2.0002 V	-1.9992 V	0.001 V	P	0.015 V
4	-2.5002 V	-2.4986 V	0.002 V	P	0.015 V
4	-5.0007 V	-5.0000 V	0.001 V	P	0.017 V
4	-10.0013 V	-9.9996 V	0.002 V	P	0.019 V
5	10.0012 V	10.0040 V	0.003 V	P	0.033 V
5	5.0007 V	5.0043 V	0.004 V	P	0.030 V
5	2.5002 V	2.5021 V	0.002 V	P	0.029 V
5	2.0001 V	2.0029 V	0.003 V	P	0.029 V
5	1.0001 V	1.0024 V	0.002 V	P	0.029 V

5	0.5000 V	0.5028 V	0.003 V	P	0.028 V
5	0.0900 V	0.0925 V	0.003 V	P	0.028 V
5	-0.0306mV	2.4607mV	0.002 V	P	0.028 V
5	-0.0900 V	-0.0871 V	0.003 V	P	0.028 V
5	-0.5001 V	-0.4975 V	0.003 V	P	0.028 V
5	-1.0001 V	-0.9953 V	0.005 V	P	0.029 V
5	-2.0002 V	-1.9957 V	0.005 V	P	0.029 V
5	-2.5002 V	-2.4966 V	0.004 V	P	0.029 V
5	-5.0007 V	-4.9975 V	0.003 V	P	0.030 V
5	-10.0013 V	-9.9997 V	0.002 V	P	0.033 V
6	10.0012 V	10.0139 V	0.013 V	P	0.075 V
6	5.0007 V	5.0070 V	0.006 V	P	0.073 V
6	2.5002 V	2.5053 V	0.005 V	P	0.071 V
6	2.0001 V	2.0063 V	0.006 V	P	0.071 V
6	1.0001 V	1.0067 V	0.007 V	P	0.071 V
6	0.5000 V	0.5074 V	0.007 V	P	0.070 V
6	0.0900 V	0.0953 V	0.005 V	P	0.070 V
6	-0.0306mV	5.8127mV	0.006 V	P	0.070 V
6	-0.0900 V	-0.0828 V	0.007 V	P	0.070 V
6	-0.5001 V	-0.4920 V	0.008 V	P	0.070 V
6	-1.0001 V	-0.9948 V	0.005 V	P	0.071 V
6	-2.0002 V	-1.9885 V	0.012 V	P	0.071 V
6	-2.5002 V	-2.4889 V	0.011 V	P	0.071 V
6	-5.0007 V	-4.9903 V	0.010 V	P	0.073 V
6	-10.0013 V	-9.9967 V	0.005 V	P	0.075 V
7	10.0012 V	10.0127 V	0.012 V	P	0.145 V
7	5.0007 V	5.0106 V	0.010 V	P	0.143 V
7	2.5002 V	2.5125 V	0.012 V	P	0.141 V
7	2.0001 V	2.0132 V	0.013 V	P	0.141 V
7	1.0001 V	1.0160 V	0.016 V	P	0.141 V
7	0.5000 V	0.5085 V	0.008 V	P	0.140 V
7	0.0900 V	0.1007 V	0.011 V	P	0.140 V
7	-0.0000 V	0.0106 V	0.011 V	P	0.140 V
7	-0.0900 V	-0.0771 V	0.013 V	P	0.140 V
7	-0.5001 V	-0.4867 V	0.013 V	P	0.140 V
7	-1.0001 V	-0.9838 V	0.016 V	P	0.141 V
7	-2.0002 V	-1.9888 V	0.011 V	P	0.141 V
7	-2.5002 V	-2.4889 V	0.011 V	P	0.141 V
7	-5.0007 V	-4.9775 V	0.023 V	P	0.143 V
7	-10.0013 V	-9.9818 V	0.019 V	P	0.145 V
8	10.0012 V	10.0219 V	0.021 V	P	0.285 V

8	5.0007 V	5.0257 V	0.025 V	P	0.283 V
8	2.5002 V	2.5230 V	0.023 V	P	0.281 V
8	2.0001 V	2.0315 V	0.031 V	P	0.281 V
8	1.0001 V	1.0172 V	0.017 V	P	0.281 V
8	0.5000 V	0.5273 V	0.027 V	P	0.280 V
8	0.0900 V	0.1109 V	0.021 V	P	0.280 V
8	-0.0000 V	0.0226 V	0.023 V	P	0.280 V
8	-0.0900 V	-0.0769 V	0.013 V	P	0.280 V
8	-0.5001 V	-0.4708 V	0.029 V	P	0.280 V
8	-1.0001 V	-0.9730 V	0.027 V	P	0.281 V
8	-2.0002 V	-1.9675 V	0.033 V	P	0.281 V
8	-2.5002 V	-2.4742 V	0.026 V	P	0.281 V
8	-5.0007 V	-4.9774 V	0.023 V	P	0.283 V
8	-10.0013 V	-9.9564 V	0.045 V	P	0.285 V

POS=24 PIN= 5 12 Bit ADC , Precision Mode, High speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5000 V	0.5001 V	0.038mV	P	6.250mV
0	0.0900 V	0.0903 V	0.304mV	P	6.045mV
0	-0.0306mV	0.3008mV	0.331mV	P	6.000mV
0	-0.0900 V	-0.0898 V	0.251mV	P	6.045mV
0	-0.5001 V	-0.4998 V	0.319mV	P	6.250mV
1	1.0001 V	0.9998 V	-0.207mV	P	6.500mV
1	0.5000 V	0.5001 V	0.066mV	P	6.250mV
1	0.0900 V	0.0902 V	0.186mV	P	6.045mV
1	-0.0306mV	0.2552mV	0.286mV	P	6.000mV
1	-0.0900 V	-0.0898 V	0.247mV	P	6.045mV
1	-0.5001 V	-0.4998 V	0.250mV	P	6.250mV
1	-1.0001 V	-0.9998 V	0.345mV	P	6.500mV
2	2.0001 V	2.0004 V	0.251mV	P	7.000mV
2	1.0001 V	1.0008 V	0.743mV	P	6.500mV
2	0.5000 V	0.5008 V	0.757mV	P	6.250mV
2	0.0900 V	0.0907 V	0.666mV	P	6.045mV
2	-0.0306mV	0.8941mV	0.925mV	P	6.000mV
2	-0.0900 V	-0.0892 V	0.794mV	P	6.045mV
2	-0.5001 V	-0.4994 V	0.741mV	P	6.250mV
2	-1.0001 V	-0.9996 V	0.486mV	P	6.500mV
2	-2.0002 V	-1.9996 V	0.607mV	P	7.000mV

Cal Air Temp = 30.6 deg C

Chk Air Temp = 29.9 deg C
Delta Air Temp = -0.7 deg C

Cal Ctl Temp = 37.9 deg C
Chk Ctl Temp = 37.8 deg C
Delta Ctl Temp = -0.1 deg C

Last Calibration Date: 10/26/22 13:35.27
(10/26/22 13:41.31 - CAL REV:2015) CHK STATUS: PASS

Cal QMS25: SN REV 29

b.VrefPos10 1.000190640000e+001
b.VrefPos5 5.000963210000e+000
b.VrefPos2p5 2.500434640000e+000
b.VrefPos2 2.000398870000e+000
b.VrefPos1 1.000189300000e+000
b.VrefPosp5 5.001390580000e-001
b.VrefPosp1 9.009047600000e-002
b.VrefPos0 1.218559920000e-005
b.VrefNeg10 -1.000176140000e+001
b.VrefNeg5 -5.000850680000e+000
b.VrefNeg2p5 -2.500338320000e+000
b.VrefNeg2 -2.000308040000e+000
b.VrefNeg1 -1.000103710000e+000
b.VrefNegp5 -5.000559690000e-001
b.VrefNegp1 -9.001015130000e-002
b.VrefNeg0 6.736093200000e-005
c.PostSnOfstTD5_50x 0x442
c.PostSnOfstTD5_10x 0x411
c.PostSnOfstTD5_5x 0x421
c.PostSnOfstTD5_1x 0x41e
d.PostSnLSB_50x 6.109015780269e-006
d.PostSnLSB_10x 3.394408131077e-005
d.PostSnLSB_5x 6.109228799176e-005
d.PostSnLSB_1x 3.394562012067e-004
e.Pos10p02 1.003165542578e+001
e.Neg10p02 -1.003120797422e+001
f.RefDacInvOfstTD2 0x5af
g.PreSnOfstTD0_p5 0xa17
g.PreSnOfstTD0_1 0x976

g.PreSnOfstTD0_2 0x923
g.PreSnOfstTD0_5 0x856
g.PreSnOfstTD0_10 0x847
g.PreSnOfstTD0_20 0x98a
g.PreSnOfstTD0_50 0x87f
g.PreSnOfstTD0_100 0x85a
g.PreSnOfstTD0_200 0x849
h.RefDacInvGainTD1 0x635
h.RefDacInvLSB 3.051757839322e-004
i.RefDacLinTD4[_0] 0x878
i.RefDacLinTD4[_1] 0x816
i.RefDacLinTD4[_2] 0x83f
i.RefDacLinTD4[_3] 0x7ba
i.RefDacLinTD4[_4] 0xac0
i.RefDacLinTD4[_5] 0xa4b
i.RefDacLinTD4[_6] 0xa58
i.RefDacLinTD4[_7] 0x9cf
i.RefDacLinTD4[_8] 0xb12
i.RefDacLinTD4[_9] 0xa9b
i.RefDacLinTD4[10] 0xaa0
i.RefDacLinTD4[11] 0xa0c
i.RefDacLinTD4[12] 0xba2
i.RefDacLinTD4[13] 0xb1c
i.RefDacLinTD4[14] 0xb14
i.RefDacLinTD4[15] 0xa68
i.RefDacLinTD4[16] 0xb68
i.RefDacLinTD4[17] 0xae0
i.RefDacLinTD4[18] 0xacc
i.RefDacLinTD4[19] 0xa20
i.RefDacLinTD4[20] 0xa08
i.RefDacLinTD4[21] 0x975
i.RefDacLinTD4[22] 0x961
i.RefDacLinTD4[23] 0x8ac
i.RefDacLinTD4[24] 0x9be
i.RefDacLinTD4[25] 0x929
i.RefDacLinTD4[26] 0x90c
i.RefDacLinTD4[27] 0x858
i.RefDacLinTD4[28] 0x948
i.RefDacLinTD4[29] 0x8a2
i.RefDacLinTD4[30] 0x88b
i.RefDacLinTD4[31] 0x7d3
i.RefDacLinTD4[32] 0x915
i.RefDacLinTD4[33] 0x879
i.RefDacLinTD4[34] 0x867

i.RefDacLinTD4[35]	0x7b5
i.RefDacLinTD4[36]	0xa14
i.RefDacLinTD4[37]	0x977
i.RefDacLinTD4[38]	0x962
i.RefDacLinTD4[39]	0x8bf
i.RefDacLinTD4[40]	0x9a8
i.RefDacLinTD4[41]	0x91e
i.RefDacLinTD4[42]	0x914
i.RefDacLinTD4[43]	0x86b
i.RefDacLinTD4[44]	0xc7f
i.RefDacLinTD4[45]	0xb97
i.RefDacLinTD4[46]	0xb69
i.RefDacLinTD4[47]	0xbcb
i.RefDacLinTD4[48]	0xb04
i.RefDacLinTD4[49]	0xa3d
i.RefDacLinTD4[50]	0xa1b
i.RefDacLinTD4[51]	0x991
i.RefDacLinTD4[52]	0x9eb
i.RefDacLinTD4[53]	0x92a
i.RefDacLinTD4[54]	0x9c1
i.RefDacLinTD4[55]	0x8e0
i.RefDacLinTD4[56]	0xa15
i.RefDacLinTD4[57]	0xa06
i.RefDacLinTD4[58]	0xa69
i.RefDacLinTD4[59]	0xa12
i.RefDacLinTD4[60]	0x8ab
i.RefDacLinTD4[61]	0x86a
i.RefDacLinTD4[62]	0x7b8
i.RefDacLinTD4[63]	0x89e
j.PreSnGain_1x	1.000019013915e+000
j.PreSnGain_2x	2.000130758758e+000
j.PreSnGain_4x	4.000141377965e+000
j.PreSnGain_5x	5.000298559198e+000
j.PreSnGain_10x	1.000105371520e+001
j.PreSnGain_20x	2.000152840570e+001
k.DivBy20Gain	2.000059286142e+001
l.Adc2_OfstTD5_50x	0x3f8
l.Adc2_OfstTD5_10x	0x3f8
l.Adc2_OfstTD5_5x	0x3f8
l.Adc2_OfstTD5_1x	0x3f7
m.Adc2LSB_50x	9.785418489541e-005
m.Adc2LSB_10x	5.437320070671e-004
m.Adc2LSB_5x	9.783776033260e-004
m.Adc2LSB_1x	5.437245930960e-003

n.HighSpeedOfstTD5_4x 0x41b
n.HighSpeedOfstTD5_2x 0x40f
n.HighSpeedOfstTD5_1x 0x408
o.HighSpeedGainLSB_4x 2.706155376082e-004
o.HighSpeedGainLSB_2x 5.403276634252e-004
o.HighSpeedGainLSB_1x 1.080104457343e-003
TempTD3 0x55d
AirTemp 28.7 deg C
CtlTemp 39.5 deg C

EEPROM verified OK

b.VrefPos10 9.995487210000e+000
b.VrefPos5 4.997671130000e+000
b.VrefPos2p5 2.498768570000e+000
b.VrefPos2 1.999032020000e+000
b.VrefPos1 9.994617100000e-001
b.VrefPosp5 4.997084140000e-001
b.VrefPosp1 8.993356670000e-002
b.VrefPos0 -6.808733450000e-005
b.VrefNeg10 -9.995718000000e+000
b.VrefNeg5 -4.997820850000e+000
b.VrefNeg2p5 -2.498874190000e+000
b.VrefNeg2 -1.999133470000e+000
b.VrefNeg1 -9.995437860000e-001
b.VrefNegp5 -4.997812210000e-001
b.VrefNegp1 -8.999850600000e-002
b.VrefNeg0 4.314051690000e-006
c.PostSnOfstTD5_50x 0x5dd
c.PostSnOfstTD5_10x 0x506
c.PostSnOfstTD5_5x 0x4f2
c.PostSnOfstTD5_1x 0x4da
d.PostSnLSB_50x 6.103155045166e-006
d.PostSnLSB_10x 3.391077133640e-005
d.PostSnLSB_5x 6.103845224132e-005
d.PostSnLSB_1x 3.391464187926e-004
e.Pos10p02 1.002531275970e+001
e.Neg10p02 -1.002531974030e+001
f.RefDacInvOfstTD2 0x73f
g.PreSnOfstTD0_p5 0x857
g.PreSnOfstTD0_1 0x7ff
g.PreSnOfstTD0_2 0x7d2

g.PreSnOfstTD0_5	0x803
g.PreSnOfstTD0_10	0x7fc
g.PreSnOfstTD0_20	0x825
g.PreSnOfstTD0_50	0x824
g.PreSnOfstTD0_100	0x80a
g.PreSnOfstTD0_200	0x800
h.RefDacInvGainTD1	0x851
h.RefDacInvLSB	3.051757839322e-004
i.RefDacLinTD4[_0]	0x883
i.RefDacLinTD4[_1]	0x8d3
i.RefDacLinTD4[_2]	0x8af
i.RefDacLinTD4[_3]	0x8e9
i.RefDacLinTD4[_4]	0x9c9
i.RefDacLinTD4[_5]	0xa0b
i.RefDacLinTD4[_6]	0x9df
i.RefDacLinTD4[_7]	0x9f9
i.RefDacLinTD4[_8]	0x8f2
i.RefDacLinTD4[_9]	0x91c
i.RefDacLinTD4[10]	0x8e9
i.RefDacLinTD4[11]	0x8f0
i.RefDacLinTD4[12]	0xaed
i.RefDacLinTD4[13]	0xb16
i.RefDacLinTD4[14]	0xac5
i.RefDacLinTD4[15]	0xac6
i.RefDacLinTD4[16]	0x96e
i.RefDacLinTD4[17]	0x991
i.RefDacLinTD4[18]	0x932
i.RefDacLinTD4[19]	0x953
i.RefDacLinTD4[20]	0xa1b
i.RefDacLinTD4[21]	0xa31
i.RefDacLinTD4[22]	0x9dc
i.RefDacLinTD4[23]	0x9da
i.RefDacLinTD4[24]	0x895
i.RefDacLinTD4[25]	0x8a8
i.RefDacLinTD4[26]	0x84f
i.RefDacLinTD4[27]	0x844
i.RefDacLinTD4[28]	0x8cd
i.RefDacLinTD4[29]	0x8dd
i.RefDacLinTD4[30]	0x883
i.RefDacLinTD4[31]	0x887
i.RefDacLinTD4[32]	0x82f
i.RefDacLinTD4[33]	0x834
i.RefDacLinTD4[34]	0x7ec
i.RefDacLinTD4[35]	0x7ea

i.RefDacLinTD4[36] 0x592
i.RefDacLinTD4[37] 0x5ab
i.RefDacLinTD4[38] 0x550
i.RefDacLinTD4[39] 0x561
i.RefDacLinTD4[40] 0x650
i.RefDacLinTD4[41] 0x668
i.RefDacLinTD4[42] 0x616
i.RefDacLinTD4[43] 0x61d
i.RefDacLinTD4[44] 0x6af
i.RefDacLinTD4[45] 0x6d6
i.RefDacLinTD4[46] 0x68c
i.RefDacLinTD4[47] 0x69d
i.RefDacLinTD4[48] 0x759
i.RefDacLinTD4[49] 0x797
i.RefDacLinTD4[50] 0x765
i.RefDacLinTD4[51] 0x770
i.RefDacLinTD4[52] 0x687
i.RefDacLinTD4[53] 0x6bf
i.RefDacLinTD4[54] 0x69d
i.RefDacLinTD4[55] 0x6c0
i.RefDacLinTD4[56] 0x7e8
i.RefDacLinTD4[57] 0x82d
i.RefDacLinTD4[58] 0x80d
i.RefDacLinTD4[59] 0x84e
i.RefDacLinTD4[60] 0x74f
i.RefDacLinTD4[61] 0x790
i.RefDacLinTD4[62] 0x7a1
i.RefDacLinTD4[63] 0x7ee
j.PreSnGain_1x 1.000022048933e+000
j.PreSnGain_2x 2.000078655801e+000
j.PreSnGain_4x 4.000217241677e+000
j.PreSnGain_5x 5.000514317284e+000
j.PreSnGain_10x 1.000120904278e+001
j.PreSnGain_20x 2.000271913337e+001
k.DivBy20Gain 2.000059590200e+001
l.Adc2_OfstTD5_50x 0x404
l.Adc2_OfstTD5_10x 0x402
l.Adc2_OfstTD5_5x 0x402
l.Adc2_OfstTD5_1x 0x400
m.Adc2LSB_50x 9.768299277959e-005
m.Adc2LSB_10x 5.426110939197e-004
m.Adc2LSB_5x 9.767923264109e-004
m.Adc2LSB_1x 5.426434299674e-003
n.HighSpeedOfstTD5_4x 0x426

n.HighSpeedOfstTD5_2x 0x41f
n.HighSpeedOfstTD5_1x 0x419
o.HighSpeedGainLSB_4x 2.701323337838e-004
o.HighSpeedGainLSB_2x 5.393970577442e-004
o.HighSpeedGainLSB_1x 1.077672638814e-003
TempTD3 0x5c2
AirTemp 31.8 deg C
CtlTemp 40.2 deg C

EEPROM verified OK
(10/26/22 13:44.08 - CAL REV:2015) *** CAL RAM UPDATED ***

Check QMS25: SN REV 29

POS=25 PIN= 6 16 Bit ADC , High Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)	Limit
0	0.5001 V	0.5001 V	0.002mV P	0.240mV
0	0.0901 V	0.0901 V	0.003mV P	0.232mV
0	6.2644uV	8.1346uV	0.002mV P	0.230mV
0	-0.0900 V	-0.0900 V	0.002mV P	0.232mV
0	-0.5001 V	-0.5001 V	-0.001mV P	0.240mV
1	1.0002 V	1.0002 V	0.002mV P	0.265mV
1	0.5001 V	0.5001 V	0.002mV P	0.255mV
1	0.0901 V	0.0901 V	0.000mV P	0.247mV
1	6.2644uV	7.2647uV	0.001mV P	0.245mV
1	-0.0900 V	-0.0900 V	0.004mV P	0.247mV
1	-0.5001 V	-0.5001 V	-0.001mV P	0.255mV
1	-1.0001 V	-1.0001 V	-0.004mV P	0.265mV
2	2.0004 V	2.0004 V	0.004mV P	0.290mV
2	1.0002 V	1.0002 V	0.000mV P	0.275mV
2	0.5001 V	0.5001 V	0.003mV P	0.268mV
2	0.0901 V	0.0901 V	0.001mV P	0.261mV
2	6.2644uV	6.6541uV	0.000mV P	0.260mV
2	-0.0900 V	-0.0900 V	-0.001mV P	0.261mV
2	-0.5001 V	-0.5001 V	-0.002mV P	0.268mV
2	-1.0001 V	-1.0001 V	-0.003mV P	0.275mV
2	-2.0003 V	-2.0003 V	-0.009mV P	0.290mV

3	5.0009 V	5.0009 V	-0.011mV	P	0.350mV
3	2.5004 V	2.5004 V	-0.006mV	P	0.325mV
3	2.0004 V	2.0004 V	0.013mV	P	0.320mV
3	1.0002 V	1.0002 V	0.010mV	P	0.310mV
3	0.5001 V	0.5001 V	-0.002mV	P	0.305mV
3	0.0901 V	0.0901 V	0.003mV	P	0.301mV
3	6.2644uV	2.6771uV	-0.004mV	P	0.300mV
3	-0.0900 V	-0.0900 V	0.000mV	P	0.301mV
3	-0.5001 V	-0.5001 V	0.002mV	P	0.305mV
3	-1.0001 V	-1.0001 V	-0.007mV	P	0.310mV
3	-2.0003 V	-2.0003 V	-0.006mV	P	0.320mV
3	-2.5003 V	-2.5003 V	-0.005mV	P	0.325mV
3	-5.0008 V	-5.0009 V	-0.029mV	P	0.350mV
4	10.0019 V	10.0019 V	-0.011mV	P	0.500mV
4	5.0009 V	5.0009 V	-0.005mV	P	0.450mV
4	2.5004 V	2.5004 V	-0.006mV	P	0.425mV
4	2.0004 V	2.0004 V	0.012mV	P	0.420mV
4	1.0002 V	1.0002 V	-0.005mV	P	0.410mV
4	0.5001 V	0.5001 V	-0.007mV	P	0.405mV
4	0.0901 V	0.0901 V	-0.002mV	P	0.401mV
4	6.2644uV	-7.0406uV	-0.013mV	P	0.400mV
4	-0.0900 V	-0.0900 V	-0.008mV	P	0.401mV
4	-0.5001 V	-0.5001 V	-0.000mV	P	0.405mV
4	-1.0001 V	-1.0001 V	0.001mV	P	0.410mV
4	-2.0003 V	-2.0003 V	-0.017mV	P	0.420mV
4	-2.5003 V	-2.5004 V	-0.021mV	P	0.425mV
4	-5.0008 V	-5.0009 V	-0.026mV	P	0.450mV
4	-10.0017 V	-10.0018 V	-0.062mV	P	0.500mV
5	10.0019 V	10.0018 V	-0.055mV	P	0.850mV
5	5.0009 V	5.0009 V	-0.013mV	P	0.775mV
5	2.5004 V	2.5004 V	-0.020mV	P	0.737mV
5	2.0004 V	2.0004 V	-0.011mV	P	0.730mV
5	1.0002 V	1.0002 V	0.006mV	P	0.715mV
5	0.5001 V	0.5002 V	0.017mV	P	0.708mV
5	0.0901 V	0.0901 V	-0.013mV	P	0.701mV
5	0.0063mV	-0.0263mV	-0.033mV	P	0.700mV
5	-0.0900 V	-0.0900 V	-0.004mV	P	0.701mV
5	-0.5001 V	-0.5001 V	-0.025mV	P	0.708mV
5	-1.0001 V	-1.0001 V	0.006mV	P	0.715mV
5	-2.0003 V	-2.0003 V	-0.013mV	P	0.730mV
5	-2.5003 V	-2.5003 V	-0.002mV	P	0.737mV
5	-5.0008 V	-5.0009 V	-0.064mV	P	0.775mV

5	-10.0017 V	-10.0018 V	-0.075mV	P	0.850mV
6	10.0019 V	10.0019 V	0.067mV	P	1.550mV
6	5.0009 V	5.0009 V	-0.022mV	P	1.475mV
6	2.5004 V	2.5004 V	-0.067mV	P	1.438mV
6	2.0004 V	2.0003 V	-0.070mV	P	1.430mV
6	1.0002 V	1.0001 V	-0.119mV	P	1.415mV
6	0.5001 V	0.5001 V	0.002mV	P	1.408mV
6	0.0901 V	0.0901 V	0.049mV	P	1.401mV
6	0.0063mV	-0.0934mV	-0.100mV	P	1.400mV
6	-0.0900 V	-0.0902 V	-0.175mV	P	1.401mV
6	-0.5001 V	-0.5002 V	-0.122mV	P	1.408mV
6	-1.0001 V	-1.0001 V	0.050mV	P	1.415mV
6	-2.0003 V	-2.0005 V	-0.209mV	P	1.430mV
6	-2.5003 V	-2.5004 V	-0.048mV	P	1.438mV
6	-5.0008 V	-5.0009 V	-0.025mV	P	1.475mV
6	-10.0017 V	-10.0019 V	-0.146mV	P	1.550mV
7	10.0019 V	10.0018 V	-0.125mV	P	2.550mV
7	5.0009 V	5.0009 V	-0.074mV	P	2.475mV
7	2.5004 V	2.5005 V	0.050mV	P	2.438mV
7	2.0004 V	2.0002 V	-0.184mV	P	2.430mV
7	1.0002 V	1.0002 V	0.022mV	P	2.415mV
7	0.5001 V	0.4999 V	-0.241mV	P	2.407mV
7	0.0901 V	0.0902 V	0.139mV	P	2.401mV
7	0.0063mV	-0.1499mV	-0.156mV	P	2.400mV
7	-0.0900 V	-0.0903 V	-0.327mV	P	2.401mV
7	-0.5001 V	-0.5003 V	-0.237mV	P	2.407mV
7	-1.0001 V	-1.0003 V	-0.245mV	P	2.415mV
7	-2.0003 V	-2.0002 V	0.113mV	P	2.430mV
7	-2.5003 V	-2.5004 V	-0.104mV	P	2.438mV
7	-5.0008 V	-5.0008 V	-0.005mV	P	2.475mV
7	-10.0017 V	-10.0018 V	-0.034mV	P	2.550mV
8	10.0019 V	10.0016 V	-0.227mV	P	4.950mV
8	5.0009 V	5.0010 V	0.016mV	P	4.875mV
8	2.5004 V	2.5004 V	-0.069mV	P	4.837mV
8	2.0004 V	2.0004 V	-0.030mV	P	4.830mV
8	1.0002 V	0.9996 V	-0.544mV	P	4.815mV
8	0.5001 V	0.5003 V	0.178mV	P	4.807mV
8	0.0901 V	0.0901 V	-0.015mV	P	4.801mV
8	0.0063mV	-0.3537mV	-0.360mV	P	4.800mV
8	-0.0900 V	-0.0904 V	-0.390mV	P	4.801mV
8	-0.5001 V	-0.5006 V	-0.552mV	P	4.807mV

8	-1.0001 V	-1.0006 V	-0.522mV	P	4.815mV
8	-2.0003 V	-2.0008 V	-0.524mV	P	4.830mV
8	-2.5003 V	-2.5007 V	-0.398mV	P	4.837mV
8	-5.0008 V	-5.0012 V	-0.336mV	P	4.875mV
8	-10.0017 V	-10.0019 V	-0.207mV	P	4.950mV

POS=25 PIN= 6 16 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5001 V	0.5001 V	-0.010mV	P	0.335mV
0	0.0901 V	0.0901 V	-0.030mV	P	0.306mV
0	6.2644uV	6.8310uV	0.001mV	P	0.300mV
0	-0.0900 V	-0.0900 V	-0.002mV	P	0.306mV
0	-0.5001 V	-0.5001 V	-0.006mV	P	0.335mV
1	1.0002 V	1.0002 V	-0.027mV	P	0.410mV
1	0.5001 V	0.5001 V	-0.018mV	P	0.380mV
1	0.0901 V	0.0900 V	-0.047mV	P	0.355mV
1	6.2644uV	4.5313uV	-0.002mV	P	0.350mV
1	-0.0900 V	-0.0900 V	-0.002mV	P	0.355mV
1	-0.5001 V	-0.5001 V	-0.027mV	P	0.380mV
1	-1.0001 V	-1.0001 V	-0.015mV	P	0.410mV
2	2.0004 V	2.0003 V	-0.048mV	P	0.500mV
2	1.0002 V	1.0001 V	-0.046mV	P	0.450mV
2	0.5001 V	0.5001 V	-0.066mV	P	0.425mV
2	0.0901 V	0.0900 V	-0.130mV	P	0.405mV
2	6.2644uV	2.4100uV	-0.004mV	P	0.400mV
2	-0.0900 V	-0.0900 V	-0.014mV	P	0.405mV
2	-0.5001 V	-0.5001 V	-0.055mV	P	0.425mV
2	-1.0001 V	-1.0002 V	-0.056mV	P	0.450mV
2	-2.0003 V	-2.0003 V	-0.030mV	P	0.500mV
3	5.0009 V	5.0008 V	-0.142mV	P	0.950mV
3	2.5004 V	2.5003 V	-0.135mV	P	0.825mV
3	2.0004 V	2.0002 V	-0.208mV	P	0.800mV
3	1.0002 V	1.0000 V	-0.214mV	P	0.750mV
3	0.5001 V	0.4999 V	-0.187mV	P	0.725mV
3	0.0901 V	0.0898 V	-0.268mV	P	0.704mV
3	0.0063mV	-0.0116mV	-0.018mV	P	0.700mV
3	-0.0900 V	-0.0900 V	-0.031mV	P	0.704mV
3	-0.5001 V	-0.5002 V	-0.163mV	P	0.725mV
3	-1.0001 V	-1.0003 V	-0.207mV	P	0.750mV

3	-2.0003 V	-2.0004 V	-0.145mV	P	0.800mV
3	-2.5003 V	-2.5005 V	-0.160mV	P	0.825mV
3	-5.0008 V	-5.0009 V	-0.092mV	P	0.950mV
4	10.0019 V	10.0016 V	-0.232mV	P	1.700mV
4	5.0009 V	5.0007 V	-0.260mV	P	1.450mV
4	2.5004 V	2.5001 V	-0.351mV	P	1.325mV
4	2.0004 V	2.0000 V	-0.427mV	P	1.300mV
4	1.0002 V	0.9998 V	-0.373mV	P	1.250mV
4	0.5001 V	0.4996 V	-0.569mV	P	1.225mV
4	0.0901 V	0.0896 V	-0.528mV	P	1.205mV
4	0.0063mV	-0.0316mV	-0.038mV	P	1.200mV
4	-0.0900 V	-0.0902 V	-0.147mV	P	1.205mV
4	-0.5001 V	-0.5003 V	-0.249mV	P	1.225mV
4	-1.0001 V	-1.0004 V	-0.338mV	P	1.250mV
4	-2.0003 V	-2.0007 V	-0.415mV	P	1.300mV
4	-2.5003 V	-2.5006 V	-0.315mV	P	1.325mV
4	-5.0008 V	-5.0012 V	-0.333mV	P	1.450mV
4	-10.0017 V	-10.0019 V	-0.205mV	P	1.700mV
5	10.0019 V	10.0014 V	-0.508mV	P	2.900mV
5	5.0009 V	5.0003 V	-0.685mV	P	2.550mV
5	2.5004 V	2.4997 V	-0.700mV	P	2.375mV
5	2.0004 V	1.9997 V	-0.699mV	P	2.340mV
5	1.0002 V	0.9990 V	-1.146mV	P	2.270mV
5	0.5001 V	0.4990 V	-1.085mV	P	2.235mV
5	0.0901 V	0.0900 V	-0.083mV	P	2.206mV
5	0.0063mV	-0.0625mV	-0.069mV	P	2.200mV
5	-0.0900 V	-0.0901 V	-0.113mV	P	2.206mV
5	-0.5001 V	-0.5001 V	-0.062mV	P	2.235mV
5	-1.0001 V	-1.0005 V	-0.424mV	P	2.270mV
5	-2.0003 V	-2.0009 V	-0.576mV	P	2.340mV
5	-2.5003 V	-2.5008 V	-0.466mV	P	2.375mV
5	-5.0008 V	-5.0015 V	-0.631mV	P	2.550mV
5	-10.0017 V	-10.0024 V	-0.631mV	P	2.900mV
6	10.0019 V	9.9996 V	-2.230mV	P	5.700mV
6	5.0009 V	4.9991 V	-1.866mV	P	5.350mV
6	2.5004 V	2.4974 V	-3.012mV	P	5.175mV
6	2.0004 V	1.9974 V	-3.023mV	P	5.140mV
6	1.0002 V	0.9971 V	-3.064mV	P	5.070mV
6	0.5001 V	0.4971 V	-3.035mV	P	5.035mV
6	0.0901 V	0.0894 V	-0.696mV	P	5.006mV
6	0.0063mV	-0.2359mV	-0.242mV	P	5.000mV

6	-0.0900 V	-0.0899 V	0.063mV	P	5.006mV
6	-0.5001 V	-0.5009 V	-0.831mV	P	5.035mV
6	-1.0001 V	-1.0002 V	-0.144mV	P	5.070mV
6	-2.0003 V	-2.0003 V	0.047mV	P	5.140mV
6	-2.5003 V	-2.5017 V	-1.322mV	P	5.175mV
6	-5.0008 V	-5.0026 V	-1.758mV	P	5.350mV
6	-10.0017 V	-10.0039 V	-2.215mV	P	5.700mV
7	10.0019 V	9.9982 V	-0.004 V	P	0.011 V
7	5.0009 V	4.9951 V	-0.006 V	P	0.010 V
7	2.5004 V	2.4949 V	-0.006 V	P	0.010 V
7	2.0004 V	1.9944 V	-0.006 V	P	0.010 V
7	1.0002 V	0.9944 V	-0.006 V	P	0.010 V
7	0.5001 V	0.4994 V	-0.001 V	P	0.010 V
7	0.0901 V	0.0886 V	-0.001 V	P	0.010 V
7	0.0063mV	-0.4396mV	-0.000 V	P	0.010 V
7	-0.0900 V	-0.0910 V	-0.001 V	P	0.010 V
7	-0.5001 V	-0.5007 V	-0.001 V	P	0.010 V
7	-1.0001 V	-1.0014 V	-0.001 V	P	0.010 V
7	-2.0003 V	-2.0006 V	-0.000 V	P	0.010 V
7	-2.5003 V	-2.5009 V	-0.001 V	P	0.010 V
7	-5.0008 V	-5.0036 V	-0.003 V	P	0.010 V
7	-10.0017 V	-10.0051 V	-0.003 V	P	0.011 V
8	10.0019 V	9.9902 V	-0.012 V	P	0.021 V
8	5.0009 V	4.9894 V	-0.012 V	P	0.020 V
8	2.5004 V	2.4868 V	-0.014 V	P	0.020 V
8	2.0004 V	1.9883 V	-0.012 V	P	0.020 V
8	1.0002 V	0.9985 V	-0.002 V	P	0.020 V
8	0.5001 V	0.4973 V	-0.003 V	P	0.020 V
8	0.0901 V	0.0872 V	-0.003 V	P	0.020 V
8	0.0063mV	-0.3021mV	-0.000 V	P	0.020 V
8	-0.0900 V	-0.0921 V	-0.002 V	P	0.020 V
8	-0.5001 V	-0.5008 V	-0.001 V	P	0.020 V
8	-1.0001 V	-1.0016 V	-0.001 V	P	0.020 V
8	-2.0003 V	-2.0034 V	-0.003 V	P	0.020 V
8	-2.5003 V	-2.5021 V	-0.002 V	P	0.020 V
8	-5.0008 V	-5.0017 V	-0.001 V	P	0.020 V
8	-10.0017 V	-10.0074 V	-0.006 V	P	0.021 V

POS=25 PIN= 6 12 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)	Limit

0	0.5001 V	0.5003 V	0.117mV	P	6.250mV
0	0.0901 V	0.0903 V	0.167mV	P	6.045mV
0	0.0063mV	0.1840mV	0.178mV	P	6.000mV
0	-0.0900 V	-0.0899 V	0.135mV	P	6.045mV
0	-0.5001 V	-0.4999 V	0.155mV	P	6.250mV
1	1.0002 V	1.0004 V	0.208mV	P	6.500mV
1	0.5001 V	0.5005 V	0.317mV	P	6.250mV
1	0.0901 V	0.0903 V	0.242mV	P	6.045mV
1	0.0063mV	0.3640mV	0.358mV	P	6.000mV
1	-0.0900 V	-0.0897 V	0.321mV	P	6.045mV
1	-0.5001 V	-0.4996 V	0.407mV	P	6.250mV
1	-1.0001 V	-0.9998 V	0.315mV	P	6.500mV
2	2.0004 V	2.0008 V	0.453mV	P	7.000mV
2	1.0002 V	1.0007 V	0.507mV	P	6.500mV
2	0.5001 V	0.5009 V	0.740mV	P	6.250mV
2	0.0901 V	0.0908 V	0.696mV	P	6.045mV
2	0.0063mV	0.7427mV	0.736mV	P	6.000mV
2	-0.0900 V	-0.0892 V	0.772mV	P	6.045mV
2	-0.5001 V	-0.4993 V	0.719mV	P	6.250mV
2	-1.0001 V	-0.9993 V	0.786mV	P	6.500mV
2	-2.0003 V	-1.9997 V	0.623mV	P	7.000mV
3	5.0009 V	5.0020 V	1.055mV	P	9.500mV
3	2.5004 V	2.5015 V	1.121mV	P	8.250mV
3	2.0004 V	2.0021 V	1.756mV	P	8.000mV
3	1.0002 V	1.0017 V	1.535mV	P	7.500mV
3	0.5001 V	0.5020 V	1.846mV	P	7.250mV
3	0.0901 V	0.0919 V	1.781mV	P	7.045mV
3	0.0063mV	1.7928mV	1.787mV	P	7.000mV
3	-0.0900 V	-0.0884 V	1.590mV	P	7.045mV
3	-0.5001 V	-0.4978 V	2.299mV	P	7.250mV
3	-1.0001 V	-0.9982 V	1.943mV	P	7.500mV
3	-2.0003 V	-1.9983 V	2.039mV	P	8.000mV
3	-2.5003 V	-2.4983 V	2.047mV	P	8.250mV
3	-5.0008 V	-4.9992 V	1.640mV	P	9.500mV
4	10.0019 V	10.0044 V	0.002 V	P	0.019 V
4	5.0009 V	5.0032 V	0.002 V	P	0.017 V
4	2.5004 V	2.5035 V	0.003 V	P	0.015 V
4	2.0004 V	2.0036 V	0.003 V	P	0.015 V
4	1.0002 V	1.0037 V	0.003 V	P	0.015 V
4	0.5001 V	0.5044 V	0.004 V	P	0.014 V

4	0.0901 V	0.0925 V	0.002 V	P	0.014 V
4	0.0063mV	3.4499mV	0.003 V	P	0.014 V
4	-0.0900 V	-0.0870 V	0.003 V	P	0.014 V
4	-0.5001 V	-0.4966 V	0.003 V	P	0.014 V
4	-1.0001 V	-0.9956 V	0.004 V	P	0.015 V
4	-2.0003 V	-1.9964 V	0.004 V	P	0.015 V
4	-2.5003 V	-2.4968 V	0.004 V	P	0.015 V
4	-5.0008 V	-4.9968 V	0.004 V	P	0.017 V
4	-10.0017 V	-9.9988 V	0.003 V	P	0.019 V
5	10.0019 V	10.0071 V	0.005 V	P	0.033 V
5	5.0009 V	5.0079 V	0.007 V	P	0.030 V
5	2.5004 V	2.5081 V	0.008 V	P	0.029 V
5	2.0004 V	2.0080 V	0.008 V	P	0.029 V
5	1.0002 V	1.0088 V	0.009 V	P	0.029 V
5	0.5001 V	0.5071 V	0.007 V	P	0.028 V
5	0.0901 V	0.0974 V	0.007 V	P	0.028 V
5	0.0063mV	7.3832mV	0.007 V	P	0.028 V
5	-0.0900 V	-0.0847 V	0.005 V	P	0.028 V
5	-0.5001 V	-0.4912 V	0.009 V	P	0.028 V
5	-1.0001 V	-0.9930 V	0.007 V	P	0.029 V
5	-2.0003 V	-1.9913 V	0.009 V	P	0.029 V
5	-2.5003 V	-2.4923 V	0.008 V	P	0.029 V
5	-5.0008 V	-4.9942 V	0.007 V	P	0.030 V
5	-10.0017 V	-9.9933 V	0.008 V	P	0.033 V
6	10.0019 V	10.0159 V	0.014 V	P	0.075 V
6	5.0009 V	5.0180 V	0.017 V	P	0.073 V
6	2.5004 V	2.5216 V	0.021 V	P	0.071 V
6	2.0004 V	2.0147 V	0.014 V	P	0.071 V
6	1.0002 V	1.0099 V	0.010 V	P	0.071 V
6	0.5001 V	0.5165 V	0.016 V	P	0.070 V
6	0.0901 V	0.1083 V	0.018 V	P	0.070 V
6	0.0000 V	0.0173 V	0.017 V	P	0.070 V
6	-0.0900 V	-0.0785 V	0.011 V	P	0.070 V
6	-0.5001 V	-0.4870 V	0.013 V	P	0.070 V
6	-1.0001 V	-0.9797 V	0.020 V	P	0.071 V
6	-2.0003 V	-1.9846 V	0.016 V	P	0.071 V
6	-2.5003 V	-2.4831 V	0.017 V	P	0.071 V
6	-5.0008 V	-4.9784 V	0.022 V	P	0.073 V
6	-10.0017 V	-9.9831 V	0.019 V	P	0.075 V
7	10.0019 V	10.0358 V	0.034 V	P	0.145 V
7	5.0009 V	5.0434 V	0.042 V	P	0.143 V

7	2.5004 V	2.5350 V	0.035 V	P	0.141 V
7	2.0004 V	2.0195 V	0.019 V	P	0.141 V
7	1.0002 V	1.0328 V	0.033 V	P	0.141 V
7	0.5001 V	0.5391 V	0.039 V	P	0.140 V
7	0.0901 V	0.1140 V	0.024 V	P	0.140 V
7	0.0000 V	0.0357 V	0.036 V	P	0.140 V
7	-0.0900 V	-0.0544 V	0.036 V	P	0.140 V
7	-0.5001 V	-0.4739 V	0.026 V	P	0.140 V
7	-1.0001 V	-0.9739 V	0.026 V	P	0.141 V
7	-2.0003 V	-1.9586 V	0.042 V	P	0.141 V
7	-2.5003 V	-2.4556 V	0.045 V	P	0.141 V
7	-5.0008 V	-4.9656 V	0.035 V	P	0.143 V
7	-10.0017 V	-9.9572 V	0.045 V	P	0.145 V
8	10.0019 V	10.0843 V	0.082 V	P	0.285 V
8	5.0009 V	5.0672 V	0.066 V	P	0.283 V
8	2.5004 V	2.5597 V	0.059 V	P	0.281 V
8	2.0004 V	2.0660 V	0.066 V	P	0.281 V
8	1.0002 V	1.0782 V	0.078 V	P	0.281 V
8	0.5001 V	0.5477 V	0.048 V	P	0.280 V
8	0.0901 V	0.1362 V	0.046 V	P	0.280 V
8	0.0000 V	0.0709 V	0.071 V	P	0.280 V
8	-0.0900 V	-0.0142 V	0.076 V	P	0.280 V
8	-0.5001 V	-0.4350 V	0.065 V	P	0.280 V
8	-1.0001 V	-0.9488 V	0.051 V	P	0.281 V
8	-2.0003 V	-1.9473 V	0.053 V	P	0.281 V
8	-2.5003 V	-2.4260 V	0.074 V	P	0.281 V
8	-5.0008 V	-4.9125 V	0.088 V	P	0.283 V
8	-10.0017 V	-9.9324 V	0.069 V	P	0.285 V

POS=25 PIN= 6 12 Bit ADC , Precision Mode, High speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.5001 V	0.5002 V	0.068mV	P	6.250mV
0	0.0901 V	0.0904 V	0.297mV	P	6.045mV
0	0.0063mV	0.3810mV	0.375mV	P	6.000mV
0	-0.0900 V	-0.0897 V	0.283mV	P	6.045mV
0	-0.5001 V	-0.4996 V	0.423mV	P	6.250mV
1	1.0002 V	1.0004 V	0.208mV	P	6.500mV
1	0.5001 V	0.5006 V	0.433mV	P	6.250mV
1	0.0901 V	0.0906 V	0.545mV	P	6.045mV
1	0.0063mV	0.6030mV	0.597mV	P	6.000mV

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 1    -0.0900 V    -0.0894 V     0.562mV   P      6.045mV
 1    -0.5001 V    -0.4994 V     0.650mV   P      6.250mV
 1    -1.0001 V    -0.9994 V     0.689mV   P      6.500mV

 2     2.0004 V     2.0010 V     0.586mV   P      7.000mV
 2     1.0002 V     1.0010 V     0.798mV   P      6.500mV
 2     0.5001 V     0.5010 V     0.882mV   P      6.250mV
 2     0.0901 V     0.0908 V     0.696mV   P      6.045mV
 2     0.0063mV     0.8895mV     0.883mV   P      6.000mV
 2    -0.0900 V    -0.0895 V     0.528mV   P      6.045mV
 2    -0.5001 V    -0.4995 V     0.587mV   P      6.250mV
 2    -1.0001 V    -0.9993 V     0.799mV   P      6.500mV
 2    -2.0003 V    -1.9999 V     0.431mV   P      7.000mV

Cal Air Temp   =  28.7 deg C
Chk Air Temp   =  28.6 deg C
Delta Air Temp =  -0.1 deg C

Cal Ctl Temp   =  39.5 deg C
Chk Ctl Temp   =  39.5 deg C
Delta Ctl Temp =  -0.1 deg C

-----------------------------------------------------
$$$    END EVEN PIN    $$$$$   START ODD PIN   $$$$
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POS=25 PIN= 7 16 Bit ADC , High Precision Mode, Low speed path
Rng   Programmed    Measured     Error(P/F)       Limit
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2	0.9995 V	0.9995 V	-0.007mV	P	0.275mV
2	0.4997 V	0.4997 V	-0.009mV	P	0.268mV
2	0.0899 V	0.0899 V	-0.009mV	P	0.261mV
2	-0.0614mV	-0.0694mV	-0.008mV	P	0.260mV
2	-0.0900 V	-0.0900 V	-0.013mV	P	0.261mV
2	-0.4998 V	-0.4998 V	-0.011mV	P	0.268mV
2	-0.9995 V	-0.9995 V	0.004mV	P	0.275mV
2	-1.9991 V	-1.9991 V	-0.001mV	P	0.290mV
3	4.9977 V	4.9977 V	-0.005mV	P	0.350mV
3	2.4988 V	2.4988 V	-0.018mV	P	0.325mV
3	1.9990 V	1.9991 V	0.018mV	P	0.320mV
3	0.9995 V	0.9995 V	0.007mV	P	0.310mV
3	0.4997 V	0.4997 V	0.000mV	P	0.305mV
3	0.0899 V	0.0899 V	-0.004mV	P	0.301mV
3	-0.0614mV	-0.0792mV	-0.018mV	P	0.300mV
3	-0.0900 V	-0.0900 V	-0.006mV	P	0.301mV
3	-0.4998 V	-0.4998 V	-0.009mV	P	0.305mV
3	-0.9995 V	-0.9995 V	0.004mV	P	0.310mV
3	-1.9991 V	-1.9991 V	-0.013mV	P	0.320mV
3	-2.4989 V	-2.4989 V	0.008mV	P	0.325mV
3	-4.9978 V	-4.9978 V	-0.006mV	P	0.350mV
4	9.9955 V	9.9955 V	-0.014mV	P	0.500mV
4	4.9977 V	4.9977 V	-0.032mV	P	0.450mV
4	2.4988 V	2.4987 V	-0.034mV	P	0.425mV
4	1.9990 V	1.9991 V	0.014mV	P	0.420mV
4	0.9995 V	0.9995 V	0.002mV	P	0.410mV
4	0.4997 V	0.4997 V	0.025mV	P	0.405mV
4	0.0899 V	0.0900 V	0.054mV	P	0.401mV
4	-0.0614mV	-0.0985mV	-0.037mV	P	0.400mV
4	-0.0900 V	-0.0900 V	-0.047mV	P	0.401mV
4	-0.4998 V	-0.4998 V	0.009mV	P	0.405mV
4	-0.9995 V	-0.9996 V	-0.028mV	P	0.410mV
4	-1.9991 V	-1.9991 V	0.008mV	P	0.420mV
4	-2.4989 V	-2.4988 V	0.030mV	P	0.425mV
4	-4.9978 V	-4.9978 V	0.023mV	P	0.450mV
4	-9.9957 V	-9.9957 V	-0.011mV	P	0.500mV
5	9.9955 V	9.9954 V	-0.076mV	P	0.850mV
5	4.9977 V	4.9976 V	-0.089mV	P	0.775mV
5	2.4988 V	2.4987 V	-0.083mV	P	0.737mV
5	1.9990 V	1.9991 V	0.006mV	P	0.730mV
5	0.9995 V	0.9995 V	0.050mV	P	0.715mV

5	0.4997 V	0.4997 V	-0.042mV	P	0.708mV
5	0.0899 V	0.0899 V	-0.008mV	P	0.701mV
5	-0.0614mV	-0.1420mV	-0.081mV	P	0.700mV
5	-0.0900 V	-0.0900 V	0.030mV	P	0.701mV
5	-0.4998 V	-0.4998 V	-0.007mV	P	0.708mV
5	-0.9995 V	-0.9995 V	0.009mV	P	0.715mV
5	-1.9991 V	-1.9990 V	0.079mV	P	0.730mV
5	-2.4989 V	-2.4988 V	0.068mV	P	0.737mV
5	-4.9978 V	-4.9979 V	-0.097mV	P	0.775mV
5	-9.9957 V	-9.9957 V	0.045mV	P	0.850mV
6	9.9955 V	9.9956 V	0.067mV	P	1.550mV
6	4.9977 V	4.9977 V	0.031mV	P	1.475mV
6	2.4988 V	2.4989 V	0.087mV	P	1.438mV
6	1.9990 V	1.9990 V	-0.003mV	P	1.430mV
6	0.9995 V	0.9995 V	0.070mV	P	1.415mV
6	0.4997 V	0.4999 V	0.141mV	P	1.408mV
6	0.0899 V	0.0897 V	-0.254mV	P	1.401mV
6	-0.0614mV	-0.2169mV	-0.155mV	P	1.400mV
6	-0.0900 V	-0.0899 V	0.093mV	P	1.401mV
6	-0.4998 V	-0.5000 V	-0.245mV	P	1.408mV
6	-0.9995 V	-0.9995 V	0.075mV	P	1.415mV
6	-1.9991 V	-1.9990 V	0.092mV	P	1.430mV
6	-2.4989 V	-2.4988 V	0.023mV	P	1.438mV
6	-4.9978 V	-4.9977 V	0.157mV	P	1.475mV
6	-9.9957 V	-9.9957 V	0.037mV	P	1.550mV
7	9.9955 V	9.9956 V	0.098mV	P	2.550mV
7	4.9977 V	4.9980 V	0.278mV	P	2.475mV
7	2.4988 V	2.4986 V	-0.142mV	P	2.438mV
7	1.9990 V	1.9993 V	0.207mV	P	2.430mV
7	0.9995 V	0.9998 V	0.341mV	P	2.415mV
7	0.4997 V	0.5003 V	0.553mV	P	2.407mV
7	0.0899 V	0.0898 V	-0.162mV	P	2.401mV
7	-0.0614mV	-0.3736mV	-0.312mV	P	2.400mV
7	-0.0900 V	-0.0896 V	0.390mV	P	2.401mV
7	-0.4998 V	-0.5000 V	-0.261mV	P	2.407mV
7	-0.9995 V	-1.0000 V	-0.491mV	P	2.415mV
7	-1.9991 V	-1.9989 V	0.215mV	P	2.430mV
7	-2.4989 V	-2.4989 V	-0.016mV	P	2.438mV
7	-4.9978 V	-4.9977 V	0.086mV	P	2.475mV
7	-9.9957 V	-9.9959 V	-0.186mV	P	2.550mV
8	9.9955 V	9.9959 V	0.442mV	P	4.950mV

8	4.9977 V	4.9973 V	-0.367mV	P	4.875mV
8	2.4988 V	2.4989 V	0.141mV	P	4.837mV
8	1.9990 V	1.9995 V	0.447mV	P	4.830mV
8	0.9995 V	1.0004 V	0.944mV	P	4.815mV
8	0.4997 V	0.4993 V	-0.423mV	P	4.807mV
8	0.0899 V	0.0901 V	0.187mV	P	4.801mV
8	-0.0614mV	-0.6502mV	-0.589mV	P	4.800mV
8	-0.0900 V	-0.0903 V	-0.283mV	P	4.801mV
8	-0.4998 V	-0.4992 V	0.568mV	P	4.807mV
8	-0.9995 V	-1.0003 V	-0.758mV	P	4.815mV
8	-1.9991 V	-2.0003 V	-1.180mV	P	4.830mV
8	-2.4989 V	-2.4987 V	0.176mV	P	4.837mV
8	-4.9978 V	-4.9980 V	-0.231mV	P	4.875mV
8	-9.9957 V	-9.9957 V	0.021mV	P	4.950mV

POS=25 PIN= 7 16 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.4997 V	0.4997 V	-0.018mV	P	0.335mV
0	0.0899 V	0.0899 V	-0.021mV	P	0.306mV
0	-0.0614mV	-0.0688mV	-0.007mV	P	0.300mV
0	-0.0900 V	-0.0900 V	-0.002mV	P	0.306mV
0	-0.4998 V	-0.4998 V	-0.008mV	P	0.335mV
1	0.9995 V	0.9994 V	-0.030mV	P	0.410mV
1	0.4997 V	0.4997 V	-0.023mV	P	0.380mV
1	0.0899 V	0.0899 V	-0.045mV	P	0.355mV
1	-0.0614mV	-0.0727mV	-0.011mV	P	0.350mV
1	-0.0900 V	-0.0900 V	-0.010mV	P	0.355mV
1	-0.4998 V	-0.4998 V	-0.024mV	P	0.380mV
1	-0.9995 V	-0.9995 V	-0.013mV	P	0.410mV
2	1.9990 V	1.9990 V	-0.053mV	P	0.500mV
2	0.9995 V	0.9994 V	-0.034mV	P	0.450mV
2	0.4997 V	0.4997 V	-0.054mV	P	0.425mV
2	0.0899 V	0.0899 V	-0.065mV	P	0.405mV
2	-0.0614mV	-0.0780mV	-0.017mV	P	0.400mV
2	-0.0900 V	-0.0900 V	-0.017mV	P	0.405mV
2	-0.4998 V	-0.4998 V	-0.011mV	P	0.425mV
2	-0.9995 V	-0.9996 V	-0.044mV	P	0.450mV
2	-1.9991 V	-1.9991 V	-0.021mV	P	0.500mV
3	4.9977 V	4.9976 V	-0.127mV	P	0.950mV

3	2.4988 V	2.4987 V	-0.088mV	P	0.825mV
3	1.9990 V	1.9988 V	-0.266mV	P	0.800mV
3	0.9995 V	0.9993 V	-0.140mV	P	0.750mV
3	0.4997 V	0.4995 V	-0.173mV	P	0.725mV
3	0.0899 V	0.0898 V	-0.185mV	P	0.704mV
3	-0.0614mV	-0.1088mV	-0.047mV	P	0.700mV
3	-0.0900 V	-0.0901 V	-0.081mV	P	0.704mV
3	-0.4998 V	-0.4999 V	-0.123mV	P	0.725mV
3	-0.9995 V	-0.9997 V	-0.124mV	P	0.750mV
3	-1.9991 V	-1.9991 V	-0.016mV	P	0.800mV
3	-2.4989 V	-2.4990 V	-0.103mV	P	0.825mV
3	-4.9978 V	-4.9979 V	-0.062mV	P	0.950mV
4	9.9955 V	9.9953 V	-0.226mV	P	1.700mV
4	4.9977 V	4.9975 V	-0.193mV	P	1.450mV
4	2.4988 V	2.4985 V	-0.275mV	P	1.325mV
4	1.9990 V	1.9988 V	-0.259mV	P	1.300mV
4	0.9995 V	0.9991 V	-0.337mV	P	1.250mV
4	0.4997 V	0.4993 V	-0.393mV	P	1.225mV
4	0.0899 V	0.0897 V	-0.291mV	P	1.205mV
4	-0.0614mV	-0.1401mV	-0.079mV	P	1.200mV
4	-0.0900 V	-0.0901 V	-0.142mV	P	1.205mV
4	-0.4998 V	-0.5000 V	-0.223mV	P	1.225mV
4	-0.9995 V	-0.9998 V	-0.247mV	P	1.250mV
4	-1.9991 V	-1.9994 V	-0.266mV	P	1.300mV
4	-2.4989 V	-2.4989 V	-0.083mV	P	1.325mV
4	-4.9978 V	-4.9980 V	-0.232mV	P	1.450mV
4	-9.9957 V	-9.9958 V	-0.108mV	P	1.700mV
5	9.9955 V	9.9951 V	-0.348mV	P	2.900mV
5	4.9977 V	4.9971 V	-0.549mV	P	2.550mV
5	2.4988 V	2.4981 V	-0.673mV	P	2.375mV
5	1.9990 V	1.9984 V	-0.619mV	P	2.340mV
5	0.9995 V	0.9986 V	-0.831mV	P	2.270mV
5	0.4997 V	0.4989 V	-0.792mV	P	2.235mV
5	0.0899 V	0.0898 V	-0.142mV	P	2.206mV
5	-0.0614mV	-0.2052mV	-0.144mV	P	2.200mV
5	-0.0900 V	-0.0900 V	-0.007mV	P	2.206mV
5	-0.4998 V	-0.4998 V	0.012mV	P	2.235mV
5	-0.9995 V	-0.9998 V	-0.312mV	P	2.270mV
5	-1.9991 V	-1.9996 V	-0.432mV	P	2.340mV
5	-2.4989 V	-2.4992 V	-0.333mV	P	2.375mV
5	-4.9978 V	-4.9979 V	-0.116mV	P	2.550mV
5	-9.9957 V	-9.9961 V	-0.374mV	P	2.900mV

6	9.9955 V	9.9942 V	-1.271mV	P	5.700mV
6	4.9977 V	4.9959 V	-1.755mV	P	5.350mV
6	2.4988 V	2.4968 V	-1.986mV	P	5.175mV
6	1.9990 V	1.9969 V	-2.161mV	P	5.140mV
6	0.9995 V	0.9970 V	-2.453mV	P	5.070mV
6	0.4997 V	0.4985 V	-1.241mV	P	5.035mV
6	0.0899 V	0.0893 V	-0.627mV	P	5.006mV
6	-0.0614mV	-0.4934mV	-0.432mV	P	5.000mV
6	-0.0900 V	-0.0906 V	-0.594mV	P	5.006mV
6	-0.4998 V	-0.5006 V	-0.780mV	P	5.035mV
6	-0.9995 V	-0.9998 V	-0.225mV	P	5.070mV
6	-1.9991 V	-1.9993 V	-0.208mV	P	5.140mV
6	-2.4989 V	-2.5000 V	-1.092mV	P	5.175mV
6	-4.9978 V	-4.9990 V	-1.147mV	P	5.350mV
6	-9.9957 V	-9.9970 V	-1.329mV	P	5.700mV

7	9.9955 V	9.9921 V	-0.003 V	P	0.011 V
7	4.9977 V	4.9940 V	-0.004 V	P	0.010 V
7	2.4988 V	2.4948 V	-0.004 V	P	0.010 V
7	1.9990 V	1.9943 V	-0.005 V	P	0.010 V
7	0.9995 V	0.9969 V	-0.003 V	P	0.010 V
7	0.4997 V	0.4991 V	-0.001 V	P	0.010 V
7	0.0899 V	0.0883 V	-0.002 V	P	0.010 V
7	-0.0614mV	-0.6189mV	-0.001 V	P	0.010 V
7	-0.0900 V	-0.0904 V	-0.000 V	P	0.010 V
7	-0.4998 V	-0.4997 V	0.000 V	P	0.010 V
7	-0.9995 V	-1.0008 V	-0.001 V	P	0.010 V
7	-1.9991 V	-1.9994 V	-0.000 V	P	0.010 V
7	-2.4989 V	-2.4989 V	-0.000 V	P	0.010 V
7	-4.9978 V	-4.9998 V	-0.002 V	P	0.010 V
7	-9.9957 V	-9.9983 V	-0.003 V	P	0.011 V

8	9.9955 V	9.9880 V	-0.008 V	P	0.021 V
8	4.9977 V	4.9898 V	-0.008 V	P	0.020 V
8	2.4988 V	2.4895 V	-0.009 V	P	0.020 V
8	1.9990 V	1.9943 V	-0.005 V	P	0.020 V
8	0.9995 V	0.9982 V	-0.001 V	P	0.020 V
8	0.4997 V	0.4969 V	-0.003 V	P	0.020 V
8	0.0899 V	0.0857 V	-0.004 V	P	0.020 V
8	-0.0614mV	-1.4176mV	-0.001 V	P	0.020 V
8	-0.0900 V	-0.0903 V	-0.000 V	P	0.020 V
8	-0.4998 V	-0.5013 V	-0.002 V	P	0.020 V
8	-0.9995 V	-0.9995 V	-0.000 V	P	0.020 V

8	-1.9991 V	-2.0018 V	-0.003 V	P	0.020 V
8	-2.4989 V	-2.5007 V	-0.002 V	P	0.020 V
8	-4.9978 V	-4.9977 V	0.000 V	P	0.020 V
8	-9.9957 V	-10.0002 V	-0.004 V	P	0.021 V

POS=25 PIN= 7 12 Bit ADC , Precision Mode, Low speed path

Rng	Programmed	Measured	Error(P/F)		Limit
0	0.4997 V	0.4997 V	-0.002mV	P	6.250mV
0	0.0899 V	0.0901 V	0.154mV	P	6.045mV
0	-0.0614mV	0.0429mV	0.104mV	P	6.000mV
0	-0.0900 V	-0.0898 V	0.144mV	P	6.045mV
0	-0.4998 V	-0.4996 V	0.160mV	P	6.250mV
1	0.9995 V	0.9995 V	-0.016mV	P	6.500mV
1	0.4997 V	0.4998 V	0.045mV	P	6.250mV
1	0.0899 V	0.0901 V	0.197mV	P	6.045mV
1	-0.0614mV	0.1535mV	0.215mV	P	6.000mV
1	-0.0900 V	-0.0896 V	0.399mV	P	6.045mV
1	-0.4998 V	-0.4996 V	0.188mV	P	6.250mV
1	-0.9995 V	-0.9992 V	0.342mV	P	6.500mV
2	1.9990 V	1.9990 V	-0.035mV	P	7.000mV
2	0.9995 V	0.9996 V	0.088mV	P	6.500mV
2	0.4997 V	0.5004 V	0.644mV	P	6.250mV
2	0.0899 V	0.0908 V	0.895mV	P	6.045mV
2	-0.0614mV	0.4031mV	0.465mV	P	6.000mV
2	-0.0900 V	-0.0895 V	0.439mV	P	6.045mV
2	-0.4998 V	-0.4992 V	0.536mV	P	6.250mV
2	-0.9995 V	-0.9992 V	0.355mV	P	6.500mV
2	-1.9991 V	-1.9985 V	0.655mV	P	7.000mV
3	4.9977 V	4.9976 V	-0.091mV	P	9.500mV
3	2.4988 V	2.4989 V	0.166mV	P	8.250mV
3	1.9990 V	2.0004 V	1.307mV	P	8.000mV
3	0.9995 V	1.0010 V	1.570mV	P	7.500mV
3	0.4997 V	0.5013 V	1.575mV	P	7.250mV
3	0.0899 V	0.0910 V	1.076mV	P	7.045mV
3	-0.0614mV	1.0812mV	1.143mV	P	7.000mV
3	-0.0900 V	-0.0885 V	1.497mV	P	7.045mV
3	-0.4998 V	-0.4980 V	1.729mV	P	7.250mV
3	-0.9995 V	-0.9983 V	1.192mV	P	7.500mV
3	-1.9991 V	-1.9987 V	0.454mV	P	8.000mV

3	-2.4989 V	-2.4979 V	0.922mV	P	8.250mV
3	-4.9978 V	-4.9960 V	1.856mV	P	9.500mV
4	9.9955 V	9.9954 V	-0.000 V	P	0.019 V
4	4.9977 V	4.9980 V	0.000 V	P	0.017 V
4	2.4988 V	2.5019 V	0.003 V	P	0.015 V
4	1.9990 V	2.0022 V	0.003 V	P	0.015 V
4	0.9995 V	1.0026 V	0.003 V	P	0.015 V
4	0.4997 V	0.5039 V	0.004 V	P	0.014 V
4	0.0899 V	0.0923 V	0.002 V	P	0.014 V
4	-0.0614mV	2.3632mV	0.002 V	P	0.014 V
4	-0.0900 V	-0.0868 V	0.003 V	P	0.014 V
4	-0.4998 V	-0.4984 V	0.001 V	P	0.014 V
4	-0.9995 V	-0.9962 V	0.003 V	P	0.015 V
4	-1.9991 V	-1.9967 V	0.002 V	P	0.015 V
4	-2.4989 V	-2.4963 V	0.003 V	P	0.015 V
4	-4.9978 V	-4.9959 V	0.002 V	P	0.017 V
4	-9.9957 V	-9.9921 V	0.004 V	P	0.019 V
5	9.9955 V	9.9964 V	0.001 V	P	0.033 V
5	4.9977 V	5.0041 V	0.006 V	P	0.030 V
5	2.4988 V	2.5054 V	0.007 V	P	0.029 V
5	1.9990 V	2.0056 V	0.007 V	P	0.029 V
5	0.9995 V	1.0076 V	0.008 V	P	0.029 V
5	0.4997 V	0.5050 V	0.005 V	P	0.028 V
5	0.0899 V	0.0959 V	0.006 V	P	0.028 V
5	-0.0614mV	5.2306mV	0.005 V	P	0.028 V
5	-0.0900 V	-0.0853 V	0.005 V	P	0.028 V
5	-0.4998 V	-0.4909 V	0.009 V	P	0.028 V
5	-0.9995 V	-0.9966 V	0.003 V	P	0.029 V
5	-1.9991 V	-1.9921 V	0.007 V	P	0.029 V
5	-2.4989 V	-2.4948 V	0.004 V	P	0.029 V
5	-4.9978 V	-4.9929 V	0.005 V	P	0.030 V
5	-9.9957 V	-9.9918 V	0.004 V	P	0.033 V
6	9.9955 V	10.0104 V	0.015 V	P	0.075 V
6	4.9977 V	5.0134 V	0.016 V	P	0.073 V
6	2.4988 V	2.5188 V	0.020 V	P	0.071 V
6	1.9990 V	2.0198 V	0.021 V	P	0.071 V
6	0.9995 V	1.0072 V	0.008 V	P	0.071 V
6	0.4997 V	0.5147 V	0.015 V	P	0.070 V
6	0.0899 V	0.1057 V	0.016 V	P	0.070 V
6	-0.0001 V	0.0121 V	0.012 V	P	0.070 V
6	-0.0900 V	-0.0788 V	0.011 V	P	0.070 V

6	-0.4998 V	-0.4859 V	0.014 V	P	0.070 V
6	-0.9995 V	-0.9793 V	0.020 V	P	0.071 V
6	-1.9991 V	-1.9854 V	0.014 V	P	0.071 V
6	-2.4989 V	-2.4924 V	0.006 V	P	0.071 V
6	-4.9978 V	-4.9812 V	0.017 V	P	0.073 V
6	-9.9957 V	-9.9838 V	0.012 V	P	0.075 V
7	9.9955 V	10.0265 V	0.031 V	P	0.145 V
7	4.9977 V	5.0389 V	0.041 V	P	0.143 V
7	2.4988 V	2.5241 V	0.025 V	P	0.141 V
7	1.9990 V	2.0142 V	0.015 V	P	0.141 V
7	0.9995 V	1.0296 V	0.030 V	P	0.141 V
7	0.4997 V	0.5311 V	0.031 V	P	0.140 V
7	0.0899 V	0.1121 V	0.022 V	P	0.140 V
7	-0.0001 V	0.0244 V	0.025 V	P	0.140 V
7	-0.0900 V	-0.0563 V	0.034 V	P	0.140 V
7	-0.4998 V	-0.4748 V	0.025 V	P	0.140 V
7	-0.9995 V	-0.9710 V	0.029 V	P	0.141 V
7	-1.9991 V	-1.9587 V	0.040 V	P	0.141 V
7	-2.4989 V	-2.4556 V	0.043 V	P	0.141 V
7	-4.9978 V	-4.9849 V	0.013 V	P	0.143 V
7	-9.9957 V	-9.9623 V	0.033 V	P	0.145 V
8	9.9955 V	10.0764 V	0.081 V	P	0.285 V
8	4.9977 V	5.0469 V	0.049 V	P	0.283 V
8	2.4988 V	2.5386 V	0.040 V	P	0.281 V
8	1.9990 V	2.0586 V	0.060 V	P	0.281 V
8	0.9995 V	1.0613 V	0.062 V	P	0.281 V
8	0.4997 V	0.5453 V	0.046 V	P	0.280 V
8	0.0899 V	0.1318 V	0.042 V	P	0.280 V
8	-0.0001 V	0.0493 V	0.049 V	P	0.280 V
8	-0.0900 V	-0.0313 V	0.059 V	P	0.280 V
8	-0.4998 V	-0.4370 V	0.063 V	P	0.280 V
8	-0.9995 V	-0.9494 V	0.050 V	P	0.281 V
8	-1.9991 V	-1.9416 V	0.058 V	P	0.281 V
8	-2.4989 V	-2.4324 V	0.066 V	P	0.281 V
8	-4.9978 V	-4.9122 V	0.086 V	P	0.283 V
8	-9.9957 V	-9.9710 V	0.025 V	P	0.285 V

POS=25 PIN= 7 12 Bit ADC , Precision Mode, High speed path

Rng	Programmed	Measured	Error(P/F)	Limit
0	0.4997 V	0.4998 V	0.118mV P	6.250mV

0	0.0899 V	0.0903 V	0.381mV	P	6.045mV
0	-0.0614mV	0.3300mV	0.391mV	P	6.000mV
0	-0.0900 V	-0.0897 V	0.281mV	P	6.045mV
0	-0.4998 V	-0.4995 V	0.296mV	P	6.250mV
1	0.9995 V	1.0000 V	0.552mV	P	6.500mV
1	0.4997 V	0.5003 V	0.584mV	P	6.250mV
1	0.0899 V	0.0906 V	0.676mV	P	6.045mV
1	-0.0614mV	0.6853mV	0.747mV	P	6.000mV
1	-0.0900 V	-0.0893 V	0.686mV	P	6.045mV
1	-0.4998 V	-0.4992 V	0.533mV	P	6.250mV
1	-0.9995 V	-0.9990 V	0.498mV	P	6.500mV
2	1.9990 V	1.9990 V	-0.018mV	P	7.000mV
2	0.9995 V	0.9998 V	0.300mV	P	6.500mV
2	0.4997 V	0.5006 V	0.883mV	P	6.250mV
2	0.0899 V	0.0909 V	0.913mV	P	6.045mV
2	-0.0614mV	0.7711mV	0.833mV	P	6.000mV
2	-0.0900 V	-0.0894 V	0.545mV	P	6.045mV
2	-0.4998 V	-0.4991 V	0.695mV	P	6.250mV
2	-0.9995 V	-0.9990 V	0.575mV	P	6.500mV
2	-1.9991 V	-1.9984 V	0.748mV	P	7.000mV

Cal Air Temp = 31.8 deg C
Chk Air Temp = 31.6 deg C
Delta Air Temp = -0.2 deg C

Cal Ctl Temp = 40.2 deg C
Chk Ctl Temp = 40.2 deg C
Delta Ctl Temp = -0.0 deg C

Last Calibration Date: 10/26/22 13:44.08
(10/26/22 14:00.42 - CAL REV:2015) CHK STATUS: PASS

Cal MPU36: MPU120-40 SN REV 00
Voltage Calibration:

Mde Rng	Prog'd (Volts)	DMM (Volts)	TDAC	ADC (Volts)	TDAC	NFS (uV)	LSB
V 0	0.0	-0.000007	70c	0.000173	803		
V 0	-9.5	-9.556650	fff	-9.556497	93c	-10.240451	312.5
V 1	0.0	-0.000016	70c	-0.000078	801		
V 1	-9.5	-9.556680	fff	-9.556730	93b	-10.240483	312.5

V 2 0.0 -0.000019 70c -0.000054 7fe
V 2 -9.5 -9.556653 fff -9.556610 93b -10.240455 312.5
V 3 0.0 -0.000018 70c 0.000027 7fe
V 3 -9.5 -9.556672 fff -9.556555 93a -10.240475 312.5
V 4 0.0 -0.000009 70c -0.000018 7fe
V 4 -9.5 -9.556647 fff -9.556674 93b -10.240448 312.5
V 5 0.0 -0.000007 70c 0.000007 7fe
V 5 -9.5 -9.556675 fff -9.556694 93b -10.240477 312.5
V 6 0.0 -0.000039 6f6 -0.000220 800
V 6 -38.0 -38.130042 fff -38.129839 913 -40.778324 1244.5
V 7 0.0 -0.000030 6f6 -0.000183 800
V 7 -38.0 -38.130249 fff -38.130210 914 -40.778546 1244.5
V 8 0.0 -0.000040 6f6 0.000042 800
V 8 -38.0 -38.130170 fff -38.130332 915 -40.778462 1244.5
V 9 0.0 -0.000033 6f6 0.000354 800
V 9 -38.0 -38.130323 fff -38.130461 915 -40.778625 1244.5
V10 0.0 -0.000041 6f6 0.000020 800
V10 -38.0 -38.130203 fff -38.129915 914 -40.778497 1244.5
V11 0.0 -0.000029 6f6 -0.000103 800
V11 -38.0 -38.130296 fff -38.130620 915 -40.778596 1244.5
V12 0.0 -0.000124 6f1 -0.000146 800
V12 -114.0 -113.576515 fff -113.577898 8f2 -122.419792 3736.1
V13 0.0 -0.000102 6f1 -0.001238 800
V13 -114.0 -113.578920 fff -113.579692 8f4 -122.422384 3736.1
V14 0.0 -0.000126 6f1 0.000505 800
V14 -114.0 -113.580052 fff -113.580557 8f4 -122.423604 3736.2
V15 0.0 -0.000127 6f1 -0.000198 800
V15 -114.0 -113.580499 fff -113.580754 8f4 -122.424086 3736.2
V16 0.0 -0.000136 6f1 -0.000857 800
V16 -114.0 -113.580412 fff -113.581619 8f5 -122.423992 3736.2
V17 0.0 -0.000102 6f1 -0.000681 800
V17 -114.0 -113.580139 fff -113.581875 8f5 -122.423698 3736.2

Current Calibration:

Mde Rng	Prog'd (mAmps)	DMM (mAmps)	TDAC	ADC (mAmps)	TDAC	NFS (mAmps)	LSB (uA)
I 0	0.000	0.000000	714	0.000003	800		
I 0	-0.380	-0.382355	fff	-0.382349	a4d	-0.409714	0.013
I 1	0.000	0.000002	6f3	0.000070	823		
I 1	-3.800	-3.821782	fff	-3.821813	a48	-4.095240	0.125
I 2	0.000	-0.000000	71a	0.000186	802		
I 2	-38.000	-38.318146	fff	-38.318340	b28	-41.059900	1.253

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I 3     0.000   -0.000337  6f3      0.000000  800
I 3  -380.000 -383.005661  fff   -383.006030  b22   -410.410625   12.525
I 4     0.000   -0.021878  71e     -0.033936  800
I 4  -950.000 -954.047990  fff  -3799.880981  98c  -4088.933179  124.788
I 5     0.000    0.043994  6f4     -0.209961  7ff
I 5  -950.000 -952.867794  fff -37999.572754  957 -40862.354772 1247.058
I 6     0.000   -0.000000  71b      0.000001  7fc
I 6    -0.380   -0.382349  fff     -0.382353  a4e     -0.409707    0.013
I 7     0.000   -0.000004  6f3      0.000015  822
I 7    -3.800   -3.821746  fff     -3.821785  a49     -4.095201    0.125
I 8     0.000    0.000014  719     -0.000107  802
I 8   -38.000  -38.317350  fff    -38.317371  b27    -41.059048    1.253
I 9     0.000    0.000214  6f4      0.001733  7ff
I 9  -380.000 -382.998872  fff   -383.002002  b22   -410.403350   12.525
I10     0.000    0.014344  71f      0.041504  801
I10  -950.000 -954.029053  fff  -3800.064087  992  -4088.979172  124.790
I11     0.000    0.078302  6f4      0.209961  800
I11  -950.000 -952.668524  fff -38000.183105  951 -40856.719966 1246.886
I12     0.000    0.000001  718     -0.000003  7fb
I12    -0.380   -0.382332  fff     -0.382330  a4d     -0.409689    0.013
I13     0.000   -0.000007  6f2     -0.000024  825
I13    -3.800   -3.821571  fff     -3.821644  a4a     -4.095013    0.125
I14     0.000    0.000332  715      0.000579  805
I14   -38.000  -38.315205  fff    -38.315005  b27    -41.056748    1.253
I15     0.000    0.000224  6f3      0.003247  800
I15  -380.000 -382.982203  fff   -382.985571  b23   -410.385488   12.524
I16     0.000   -0.013118  717     -0.012207  804
I16  -380.000 -381.553006  fff  -3799.942017  986  -4088.408220  124.772
I17     0.000    0.004421  6f2     -0.329590  800
I17  -380.000 -381.249040  fff -38001.403809  9a4 -40852.238763 1246.749

FVMI Calibration:
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
Mde  Prog'd      DMM        ADC    TDAC
Rng  (Volts)   (nAmps)    (nAmps)
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
I 0   0.0        0.567     -4.499  6b5
I 6   0.0       -2.751     -7.638  6ba
I12   0.0      -11.750     -9.319  6b9

Air Temp = 24.5 deg C     Heat Sink Temp = 32.5 deg C
(10/26/22 14:03.18 - CAL REV:2015) *** CAL RAM UPDATED ***

Check MPU36:  MPU120-40   SN    REV 00
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Voltage Check:

Mde Rng	Programmed (Volts)	DMM (V)	Error (V)	Limit (V)	P F	Measured (V)	Error (V)	Limit (V)	P F
V 0	0.0	-0.000094	-0.000094	0.002000	P	-0.000014	0.000080	0.003000	P
V 0	-9.5	-9.500345	-0.000345	0.011500	P	-9.500239	0.000107	0.007750	P
V 1	0.0	-0.000094	-0.000094	0.002000	P	-0.000106	-0.000012	0.003000	P
V 1	-9.5	-9.500389	-0.000389	0.011500	P	-9.500364	0.000025	0.007750	P
V 2	0.0	-0.000094	-0.000094	0.002000	P	-0.000181	-0.000086	0.003000	P
V 2	-9.5	-9.500360	-0.000360	0.011500	P	-9.500327	0.000033	0.007750	P
V 3	0.0	-0.000097	-0.000097	0.002000	P	-0.000095	0.000002	0.003000	P
V 3	-9.5	-9.500388	-0.000388	0.011500	P	-9.500322	0.000066	0.007750	P
V 4	0.0	-0.000101	-0.000101	0.002000	P	-0.000113	-0.000012	0.003000	P
V 4	-9.5	-9.500364	-0.000364	0.011500	P	-9.500349	0.000015	0.007750	P
V 5	0.0	-0.000107	-0.000107	0.002000	P	-0.000135	-0.000027	0.003000	P
V 5	-9.5	-9.500388	-0.000388	0.011500	P	-9.500283	0.000104	0.007750	P
V 6	0.0	-0.000137	-0.000137	0.008000	P	-0.000229	-0.000092	0.008000	P
V 6	-38.0	-38.000842	-0.000842	0.046000	P	-38.000322	0.000520	0.027000	P
V 7	0.0	-0.000137	-0.000137	0.008000	P	-0.000293	-0.000156	0.008000	P
V 7	-38.0	-37.999836	0.000164	0.046000	P	-37.999456	0.000380	0.027000	P
V 8	0.0	-0.000117	-0.000117	0.008000	P	-0.000161	-0.000044	0.008000	P
V 8	-38.0	-37.999783	0.000217	0.046000	P	-37.999492	0.000290	0.027000	P
V 9	0.0	-0.000108	-0.000108	0.008000	P	0.000220	0.000328	0.008000	P
V 9	-38.0	-37.999938	0.000062	0.046000	P	-37.999727	0.000211	0.027000	P
V10	0.0	-0.000124	-0.000124	0.008000	P	-0.000090	0.000034	0.008000	P
V10	-38.0	-37.999860	0.000140	0.046000	P	-37.999429	0.000431	0.027000	P
V11	0.0	-0.000116	-0.000116	0.008000	P	-0.000078	0.000038	0.008000	P
V11	-38.0	-38.000043	-0.000043	0.046000	P	-38.000095	-0.000052	0.027000	P
V12	0.0	-0.000187	-0.000187	0.025000	P	-0.000505	-0.000319	0.025000	P
V12	-114.0	-113.999098	0.000902	0.253000	P	-113.995671	0.003427	0.138999	P
V13	0.0	-0.000133	-0.000133	0.025000	P	-0.001201	-0.001068	0.025000	P
V13	-114.0	-114.004781	-0.004781	0.253000	P	-114.002161	0.002620	0.139005	P
V14	0.0	-0.000121	-0.000121	0.025000	P	-0.000835	-0.000714	0.025000	P
V14	-114.0	-114.003993	-0.003993	0.253000	P	-114.000359	0.003634	0.139004	P
V15	0.0	-0.000086	-0.000086	0.025000	P	-0.000732	-0.000646	0.025000	P
V15	-114.0	-114.005511	-0.005511	0.253000	P	-114.001267	0.004244	0.139006	P
V16	0.0	-0.000107	-0.000107	0.025000	P	-0.000850	-0.000743	0.025000	P
V16	-114.0	-114.005775	-0.005775	0.253000	P	-114.003164	0.002611	0.139006	P
V17	0.0	-0.000081	-0.000081	0.025000	P	-0.000264	-0.000182	0.025000	P
V17	-114.0	-114.006531	-0.006531	0.253000	P	-114.004709	0.001822	0.139007	P

Current Check:

Mde Rng	Program (mAmps)	DMM (mAmps)	Error (mAmps)	Limit (mAmps)	P F	Measured (mAmps)	Error (mAmps)	Limit (mAmps)	P F
I 0	0.00	-0.000001	-0.000001	0.00010	P	0.000013	0.000014	0.000100	P
I 0	-0.38	-0.380017	-0.000017	0.00086	P	-0.380006	0.000011	0.000860	P
I 1	0.00	0.000004	0.000004	0.00080	P	0.000038	0.000034	0.000800	P
I 1	-3.80	-3.800130	-0.000130	0.00840	P	-3.800071	0.000059	0.008400	P
I 2	0.00	0.000834	0.000834	0.01000	P	0.000615	-0.000219	0.010003	P
I 2	-38.00	-37.999360	0.000640	0.12400	P	-38.000515	-0.001156	0.123998	P
I 3	0.00	0.000913	0.000913	0.08000	P	0.001172	0.000259	0.080003	P
I 3	-380.00	-380.005747	-0.005747	1.22000	P	-380.005591	0.000156	1.220017	P
I 4	0.00	0.066622	0.066622	1.00000	P	-0.017090	-0.083712	1.000333	P
I 4	-950.00	-949.968982	0.031018	5.75000	P	-950.155029	-0.186047	5.749845	P
I 4	-3800.0			-3800.1099		-0.1099	20.0000	P	
I 5	0.00	0.175096	0.175096	8.00000	P	-0.195313	-0.370408	8.000875	P
I 5	-950.00	-950.240648	-0.240648	12.75000	P	-950.734863	-0.494215	12.751203	P
I 5	-38000.0			-37998.5046		1.4954	198.0000	P	
I 6	0.00	0.000016	0.000016	0.00010	P	0.000002	-0.000014	0.000100	P
I 6	-0.38	-0.379990	0.000010	0.00086	P	-0.380007	-0.000017	0.000860	P
I 7	0.00	0.000016	0.000016	0.00080	P	-0.000026	-0.000041	0.000800	P
I 7	-3.80	-3.800065	-0.000065	0.00840	P	-3.800084	-0.000019	0.008400	P
I 8	0.00	0.002441	0.002441	0.01000	P	0.000273	-0.002168	0.010007	P
I 8	-38.00	-37.998796	0.001204	0.12400	P	-38.000706	-0.001910	0.123996	P
I 9	0.00	0.002581	0.002581	0.08000	P	-0.000244	-0.002825	0.080008	P
I 9	-380.00	-380.007613	-0.007613	1.22000	P	-380.010571	-0.002958	1.220023	P
I10	0.00	0.128850	0.128850	1.00000	P	0.016602	-0.112249	1.000644	P
I10	-950.00	-949.890679	0.109321	5.75000	P	-950.160889	-0.270210	5.749453	P
I10	-3800.0			-3800.0488		-0.0488	20.0000	P	
I11	0.00	0.195564	0.195564	8.00000	P	-0.007324	-0.202888	8.000978	P
I11	-950.00	-950.012672	-0.012672	12.75000	P	-950.092773	-0.080101	12.750063	P
I11	-38000.0			-37999.4202		0.5798	198.0000	P	
I12	0.00	0.000023	0.000023	0.00010	P	0.000001	-0.000022	0.000100	P
I12	-0.38	-0.379991	0.000009	0.00086	P	-0.380012	-0.000021	0.000860	P
I13	0.00	0.000008	0.000008	0.00080	P	-0.000021	-0.000030	0.000800	P
I13	-3.80	-3.800009	-0.000009	0.00840	P	-3.800043	-0.000034	0.008400	P
I14	0.00	0.001562	0.001562	0.01000	P	0.000625	-0.000937	0.010005	P
I14	-38.00	-37.998524	0.001476	0.12400	P	-37.999917	-0.001393	0.123996	P
I15	0.00	0.001991	0.001991	0.08000	P	0.002295	0.000304	0.080006	P
I15	-380.00	-380.004999	-0.004999	1.22000	P	-380.008276	-0.003277	1.220015	P
I16	0.00	0.090999	0.090999	1.00000	P	-0.032959	-0.123958	1.000455	P
I16	-380.00	-380.025369	-0.025369	2.90000	P	-380.132324	-0.106955	2.900127	P
I16	-3800.0			-3800.0488		-0.0488	20.0000	P	
I17	0.00	-0.120465	-0.120465	8.00000	P	-0.314941	-0.194476	8.000602	P
I17	-380.00	-380.129692	-0.129692	9.90000	P	-380.417480	-0.287788	9.900648	P

I17 -38000.0 -38000.1831 -0.1831 198.0000 P

FVMI Current Check:

Mde Rng	Prog'd (Volts)	DMM (nAmps)	Measured (nAmps)	Error (nAmps)	Limit (nAmps)	P F
I 0	0.0	-0.610	4.946	5.556	100.001	P
I 6	0.0	-6.695	-14.211	-7.516	100.013	P
I12	0.0	-19.968	-38.333	-18.365	100.040	P

Air Temp = 25.4 deg C Heat Sink Temp = 33.4 deg C
Last Calibration Date: 10/26/22 14:03.18
(10/26/22 14:07.43 - CAL REV:2015) CHK STATUS: PASS

Cal MCU: SN REV 00

(10/26/22 14:09.43 - CAL REV:2015) *** CAL RAM UPDATED ***

Check MCU: SN REV 00

ÍÍÍÍÍÍÍÍ MCU Clock Channel Minumum Delay ÍÍÍÍÍÍÍÍ

MCU Channel Clock mode	Min. Delay (nsec)	Available (nsec)	Diff. (nsec)	P F
1	44.000	61.957	17.957	P
2	44.000	64.271	20.271	P
3	44.000	65.037	21.037	P
4	44.000	63.795	19.795	P
5	44.000	63.401	19.401	P
6	44.000	66.472	22.472	P
7	44.000	66.095	22.095	P
8	44.000	65.960	21.960	P
9	44.000	66.450	22.450	P
10	44.000	68.368	24.368	P
11	44.000	68.061	24.061	P
12	44.000	66.857	22.857	P
13	44.000	66.307	22.307	P
14	44.000	67.384	23.384	P
15	44.000	67.247	23.247	P

ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ MCU Clock Channel Delay ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ

MCU Clock mode	Channel	Programmed (nsec)	Measured (nsec)	Error (nsec)	Limit	P F
1	0.000	0.075	0.075	ñ2.500	P	
1	5.000	4.999	-0.001	ñ2.500	P	
1	10.000	10.281	0.281	ñ2.500	P	
1	15.000	14.459	-0.541	ñ2.500	P	
1	20.000	20.279	0.279	ñ2.500	P	
1	25.000	25.054	0.054	ñ2.500	P	
1	30.000	29.841	-0.159	ñ2.500	P	
1	35.000	35.062	0.062	ñ2.500	P	
1	40.000	40.080	0.080	ñ2.500	P	
1	45.000	44.935	-0.065	ñ2.500	P	
1	50.000	49.966	-0.034	ñ2.500	P	
2	0.000	0.204	0.204	ñ2.500	P	
2	5.000	5.413	0.413	ñ2.500	P	
2	10.000	10.293	0.293	ñ2.500	P	
2	15.000	14.874	-0.126	ñ2.500	P	
2	20.000	20.320	0.320	ñ2.500	P	
2	25.000	25.392	0.392	ñ2.500	P	
2	30.000	30.196	0.196	ñ2.500	P	
2	35.000	34.923	-0.077	ñ2.500	P	
2	40.000	40.298	0.298	ñ2.500	P	
2	45.000	45.089	0.089	ñ2.500	P	
2	50.000	50.289	0.289	ñ2.500	P	
3	0.000	-0.551	-0.551	ñ2.500	P	
3	5.000	4.381	-0.619	ñ2.500	P	
3	10.000	9.534	-0.466	ñ2.500	P	
3	15.000	14.356	-0.644	ñ2.500	P	
3	20.000	19.894	-0.106	ñ2.500	P	
3	25.000	24.732	-0.268	ñ2.500	P	
3	30.000	29.678	-0.322	ñ2.500	P	
3	35.000	34.680	-0.320	ñ2.500	P	
3	40.000	39.810	-0.190	ñ2.500	P	
3	45.000	44.701	-0.299	ñ2.500	P	
3	50.000	49.677	-0.323	ñ2.500	P	
4	0.000	-0.124	-0.124	ñ2.500	P	
4	5.000	5.049	0.049	ñ2.500	P	
4	10.000	9.983	-0.017	ñ2.500	P	
4	15.000	14.914	-0.086	ñ2.500	P	
4	20.000	20.137	0.137	ñ2.500	P	
4	25.000	25.149	0.149	ñ2.500	P	
4	30.000	29.706	-0.294	ñ2.500	P	
4	35.000	34.985	-0.015	ñ2.500	P	

4	40.000	39.928	-0.072	ñ2.500	P
4	45.000	44.836	-0.164	ñ2.500	P
4	50.000	49.909	-0.091	ñ2.500	P
5	0.000	0.238	0.238	ñ2.500	P
5	5.000	5.269	0.269	ñ2.500	P
5	10.000	10.323	0.323	ñ2.500	P
5	15.000	15.163	0.163	ñ2.500	P
5	20.000	20.159	0.159	ñ2.500	P
5	25.000	25.450	0.450	ñ2.500	P
5	30.000	30.129	0.129	ñ2.500	P
5	35.000	35.179	0.179	ñ2.500	P
5	40.000	40.297	0.297	ñ2.500	P
5	45.000	45.080	0.080	ñ2.500	P
5	50.000	50.289	0.289	ñ2.500	P
6	0.000	-0.326	-0.326	ñ2.500	P
6	5.000	4.439	-0.561	ñ2.500	P
6	10.000	9.671	-0.329	ñ2.500	P
6	15.000	14.658	-0.342	ñ2.500	P
6	20.000	19.847	-0.153	ñ2.500	P
6	25.000	24.714	-0.286	ñ2.500	P
6	30.000	29.531	-0.469	ñ2.500	P
6	35.000	34.576	-0.424	ñ2.500	P
6	40.000	39.758	-0.242	ñ2.500	P
6	45.000	44.585	-0.415	ñ2.500	P
6	50.000	49.649	-0.351	ñ2.500	P
7	0.000	-0.322	-0.322	ñ2.500	P
7	5.000	4.677	-0.323	ñ2.500	P
7	10.000	9.841	-0.159	ñ2.500	P
7	15.000	14.790	-0.210	ñ2.500	P
7	20.000	20.195	0.195	ñ2.500	P
7	25.000	24.685	-0.315	ñ2.500	P
7	30.000	29.683	-0.317	ñ2.500	P
7	35.000	34.789	-0.211	ñ2.500	P
7	40.000	39.744	-0.256	ñ2.500	P
7	45.000	44.763	-0.237	ñ2.500	P
7	50.000	49.779	-0.221	ñ2.500	P
8	0.000	-0.357	-0.357	ñ2.500	P
8	5.000	4.851	-0.149	ñ2.500	P
8	10.000	9.516	-0.484	ñ2.500	P
8	15.000	14.425	-0.575	ñ2.500	P
8	20.000	19.672	-0.328	ñ2.500	P
8	25.000	24.759	-0.241	ñ2.500	P
8	30.000	29.557	-0.443	ñ2.500	P
8	35.000	34.600	-0.400	ñ2.500	P

8	40.000	39.785	-0.215	ñ2.500	P
8	45.000	44.726	-0.274	ñ2.500	P
8	50.000	49.493	-0.507	ñ2.500	P
9	0.000	-0.436	-0.436	ñ2.500	P
9	5.000	4.744	-0.256	ñ2.500	P
9	10.000	9.843	-0.157	ñ2.500	P
9	15.000	14.725	-0.275	ñ2.500	P
9	20.000	19.956	-0.044	ñ2.500	P
9	25.000	24.850	-0.150	ñ2.500	P
9	30.000	29.662	-0.338	ñ2.500	P
9	35.000	34.745	-0.255	ñ2.500	P
9	40.000	39.649	-0.351	ñ2.500	P
9	45.000	44.675	-0.325	ñ2.500	P
9	50.000	49.793	-0.207	ñ2.500	P
10	0.000	-0.252	-0.252	ñ2.500	P
10	5.000	4.644	-0.356	ñ2.500	P
10	10.000	9.887	-0.113	ñ2.500	P
10	15.000	14.739	-0.261	ñ2.500	P
10	20.000	19.984	-0.016	ñ2.500	P
10	25.000	24.861	-0.139	ñ2.500	P
10	30.000	29.636	-0.364	ñ2.500	P
10	35.000	34.911	-0.089	ñ2.500	P
10	40.000	39.851	-0.149	ñ2.500	P
10	45.000	44.613	-0.387	ñ2.500	P
10	50.000	49.864	-0.136	ñ2.500	P
11	0.000	-0.417	-0.417	ñ2.500	P
11	5.000	4.505	-0.495	ñ2.500	P
11	10.000	9.682	-0.318	ñ2.500	P
11	15.000	14.740	-0.260	ñ2.500	P
11	20.000	19.885	-0.115	ñ2.500	P
11	25.000	24.711	-0.289	ñ2.500	P
11	30.000	29.627	-0.373	ñ2.500	P
11	35.000	34.766	-0.234	ñ2.500	P
11	40.000	39.628	-0.372	ñ2.500	P
11	45.000	44.551	-0.449	ñ2.500	P
11	50.000	49.671	-0.329	ñ2.500	P
12	0.000	-0.396	-0.396	ñ2.500	P
12	5.000	4.980	-0.020	ñ2.500	P
12	10.000	9.829	-0.171	ñ2.500	P
12	15.000	14.780	-0.220	ñ2.500	P
12	20.000	20.099	0.099	ñ2.500	P
12	25.000	24.974	-0.026	ñ2.500	P
12	30.000	29.651	-0.349	ñ2.500	P
12	35.000	34.837	-0.163	ñ2.500	P

12	40.000	39.652	-0.348	ñ2.500	P
12	45.000	44.871	-0.129	ñ2.500	P
12	50.000	49.732	-0.268	ñ2.500	P
13	0.000	-0.505	-0.505	ñ2.500	P
13	5.000	4.443	-0.557	ñ2.500	P
13	10.000	9.722	-0.278	ñ2.500	P
13	15.000	14.578	-0.422	ñ2.500	P
13	20.000	19.649	-0.351	ñ2.500	P
13	25.000	24.833	-0.167	ñ2.500	P
13	30.000	29.667	-0.333	ñ2.500	P
13	35.000	34.632	-0.368	ñ2.500	P
13	40.000	39.543	-0.457	ñ2.500	P
13	45.000	44.560	-0.440	ñ2.500	P
13	50.000	49.683	-0.317	ñ2.500	P
14	0.000	-0.361	-0.361	ñ2.500	P
14	5.000	4.720	-0.280	ñ2.500	P
14	10.000	9.808	-0.192	ñ2.500	P
14	15.000	14.572	-0.428	ñ2.500	P
14	20.000	19.778	-0.222	ñ2.500	P
14	25.000	24.794	-0.206	ñ2.500	P
14	30.000	29.535	-0.465	ñ2.500	P
14	35.000	34.900	-0.100	ñ2.500	P
14	40.000	39.667	-0.333	ñ2.500	P
14	45.000	44.728	-0.272	ñ2.500	P
14	50.000	49.760	-0.240	ñ2.500	P
15	0.000	-0.178	-0.178	ñ2.500	P
15	5.000	4.762	-0.238	ñ2.500	P
15	10.000	9.815	-0.185	ñ2.500	P
15	15.000	14.792	-0.208	ñ2.500	P
15	20.000	19.808	-0.192	ñ2.500	P
15	25.000	24.840	-0.160	ñ2.500	P
15	30.000	29.737	-0.263	ñ2.500	P
15	35.000	34.743	-0.257	ñ2.500	P
15	40.000	39.883	-0.117	ñ2.500	P
15	45.000	44.764	-0.236	ñ2.500	P
15	50.000	49.751	-0.249	ñ2.500	P

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3	0.015	ñ 15.000	P
4	-0.065	ñ 15.000	P
5	0.320	ñ 15.000	P
6	0.388	ñ 15.000	P
7	0.210	ñ 15.000	P
8	-0.237	ñ 15.000	P
9	0.137	ñ 15.000	P
10	0.337	ñ 15.000	P
11	0.521	ñ 15.000	P
12	0.679	ñ 15.000	P
13	0.304	ñ 15.000	P
14	-0.077	ñ 15.000	P
15	-0.251	ñ 15.000	P

MCU-DDS Frequency

DDS Source	Programmed (KHz)	Measured (KHz)	Error (Hz)	Limit (Hz)	F	P
MAIN	25000.000	24999.997	2.9	ñ 500.0		P
MAIN	30000.000	29999.996	3.7	ñ 550.0		P
MAIN	35000.000	34999.995	4.6	ñ 600.0		P
MAIN	40000.000	39999.995	5.5	ñ 650.0		P
MAIN	45000.000	44999.994	5.9	ñ 700.0		P
MAIN	50000.000	49999.994	6.4	ñ 750.0		P
MAIN	55000.000	54999.993	6.8	ñ 800.0		P
MAIN	60000.000	59999.993	7.1	ñ 850.0		P
MAIN	66000.000	65999.992	7.7	ñ 910.0		P
AUX	25000.000	24999.997	2.7	ñ 500.0		P
AUX	30000.000	29999.997	3.3	ñ 550.0		P
AUX	35000.000	34999.996	4.1	ñ 600.0		P
AUX	40000.000	39999.995	4.6	ñ 650.0		P
AUX	45000.000	44999.995	4.9	ñ 700.0		P
AUX	50000.000	49999.994	5.7	ñ 750.0		P
AUX	55000.000	54999.994	6.4	ñ 800.0		P
AUX	60000.000	59999.993	6.8	ñ 850.0		P
AUX	66000.000	65999.992	7.5	ñ 910.0		P
DUT	25000.000	24999.999	1.4	ñ 500.0		P
DUT	30000.000	29999.998	1.5	ñ 550.0		P
DUT	35000.000	34999.998	1.8	ñ 600.0		P
DUT	40000.000	39999.998	2.2	ñ 650.0		P
DUT	45000.000	44999.998	2.5	ñ 700.0		P
DUT	50000.000	49999.997	3.3	ñ 750.0		P
DUT	55000.000	54999.996	4.4	ñ 800.0		P

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    DUT       60000.000       59999.994       6.0    ñ 850.0    P
    DUT       66000.000       65999.992       8.1    ñ 910.0    P
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Last Calibration Date: 10/26/22 14:09.43
(10/26/22 14:17.16 - CAL REV:2015)  CHK STATUS: PASS

  Cal QTMU00:  SN   REV 25

Measuring Time Base:
Time base accuracy measured =  17.8   P  PPM  lim=  50.0 PPM

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 - - - CALIBRATING TMU0  - - -
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Measuring Direct DACs:

             Expected       Measured          Error          Limit
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Measuring TMU parameters:
tmu= 0  StrtCF=   3.2322 ( 0.0116) [pSec/count]
tmu= 0  StopCF=   3.2319 ( 0.0109) [pSec/count]
tmu= 0  Offset= -33.7595 ( 0.0523) [nSec] [ 2]
tmu= 0  Offset= -33.3056 ( 0.0675) [nSec] [ 3]
tmu= 0  Offset= -34.0680 ( 0.0691) [nSec] [ 6]
tmu= 0  Offset= -33.6302 ( 0.0429) [nSec] [ 7]
tmu= 0  Offset= -33.7642 ( 0.0564) [nSec] [ 8]
tmu= 0  Offset= -33.3179 ( 0.0660) [nSec] [ 9]
tmu= 0  Offset= -34.0875 ( 0.0629) [nSec] [12]
tmu= 0  Offset= -33.6384 ( 0.0353) [nSec] [13]


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 - - - CALIBRATING TMU1  - - -
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Measuring Direct DACs:

             Expected       Measured          Error          Limit
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Measuring TMU parameters:
tmu= 1  StrtCF=   3.2535 ( 0.0146) [pSec/count]
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tmu= 1 StopCF=   3.2025 (0.0098) [pSec/count]
tmu= 1 Offset= -34.8457 (0.0203) [nSec] [2]
tmu= 1 Offset= -34.4951 (0.0704) [nSec] [3]
tmu= 1 Offset= -35.0448 (0.0532) [nSec] [6]
tmu= 1 Offset= -34.6885 (0.0459) [nSec] [7]
tmu= 1 Offset= -34.8713 (0.0259) [nSec] [8]
tmu= 1 Offset= -34.4691 (0.0490) [nSec] [9]
tmu= 1 Offset= -35.1258 (0.0338) [nSec] [12]
tmu= 1 Offset= -34.7263 (0.0317) [nSec] [13]

- - - CALIBRATING TMU2 - - -

Measuring Direct DACs:

Expected Measured Error Limit
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Measuring TMU parameters:
tmu= 2 StrtCF=   3.2822 (0.0121) [pSec/count]
tmu= 2 StopCF=   3.2500 (0.0090) [pSec/count]
tmu= 2 Offset= -33.9009 (0.0443) [nSec] [2]
tmu= 2 Offset= -33.4617 (0.0617) [nSec] [3]
tmu= 2 Offset= -34.1793 (0.0647) [nSec] [6]
tmu= 2 Offset= -33.7697 (0.0400) [nSec] [7]
tmu= 2 Offset= -33.9269 (0.0481) [nSec] [8]
tmu= 2 Offset= -33.4485 (0.0605) [nSec] [9]
tmu= 2 Offset= -34.2716 (0.0651) [nSec] [12]
tmu= 2 Offset= -33.7918 (0.0414) [nSec] [13]

- - - CALIBRATING TMU3 - - -

Measuring Direct DACs:

Expected Measured Error Limit
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Measuring TMU parameters:
tmu= 3 StrtCF=   3.2448 (0.0118) [pSec/count]

tmu= 3 StopCF=   3.1807 (0.0107) [pSec/count]
tmu= 3 Offset= -34.3512 (0.0505) [nSec] [2]
tmu= 3 Offset= -33.8747 (0.0669) [nSec] [3]
tmu= 3 Offset= -34.6708 (0.0750) [nSec] [6]
tmu= 3 Offset= -34.1991 (0.0489) [nSec] [7]
tmu= 3 Offset= -34.3796 (0.0430) [nSec] [8]
tmu= 3 Offset= -33.9063 (0.0677) [nSec] [9]
tmu= 3 Offset= -34.6936 (0.0579) [nSec] [12]
tmu= 3 Offset= -34.2392 (0.0455) [nSec] [13]

(10/26/22 14:21.22 - CAL REV:2015) *** CAL RAM UPDATED ***

Check QTMU00: SN   REV 25

Measuring Time Base:
Time base accuracy verified as =   0.0   P PPM lim= 20.0 PPM

 - - - CHECKING TMU0 - - -

Measuring Direct DACs:

            Programmed   Measured   Error   Limit
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tmu= 1 Start   14.7 V   14.7 V   6.4 mV   P   50.0 mV
tmu= 1 Stop   23.8 mV   30.2 mV   -6.4 mV   P   50.0 mV
tmu= 1 Stop   -14.8 V   -14.8 V   0.0 mV   P   50.0 mV
tmu= 1 Stop   14.7 V   14.7 V   0.0 mV   P   50.0 mV

 - - - CHECKING TMU2 - - -

Measuring Direct DACs:

            Programmed   Measured   Error   Limit
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Check DPU00: DPU16   SN   REV 26
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3	1	-0.600000	-0.597828	-2.172	13.299	P
3	1	+1.200000	+1.201691	-1.691	13.601	P
3	1	+3.000000	+3.001061	-1.061	14.501	P
3	1	+4.800000	+4.801384	-1.384	15.401	P
3	1	+6.600000	+6.597639	+2.361	16.299	P
4	1	-0.600000	-0.599519	-0.481	13.300	P
4	1	+1.200000	+1.201066	-1.066	13.601	P
4	1	+3.000000	+3.001543	-1.543	14.501	P
4	1	+4.800000	+4.801213	-1.213	15.401	P
4	1	+6.600000	+6.599614	+0.386	16.300	P
5	1	-0.600000	-0.599910	-0.090	13.300	P
5	1	+1.200000	+1.199989	+0.011	13.600	P
5	1	+3.000000	+3.001251	-1.251	14.501	P
5	1	+4.800000	+4.801102	-1.102	15.401	P
5	1	+6.600000	+6.601178	-1.178	16.301	P
6	1	-0.600000	-0.602160	+2.160	13.301	P
6	1	+1.200000	+1.197644	+2.356	13.599	P
6	1	+3.000000	+2.997892	+2.108	14.499	P
6	1	+4.800000	+4.799798	+0.202	15.400	P
6	1	+6.600000	+6.597617	+2.383	16.299	P
7	1	-0.600000	-0.601783	+1.783	13.301	P
7	1	+1.200000	+1.198608	+1.392	13.599	P
7	1	+3.000000	+2.999449	+0.551	14.500	P
7	1	+4.800000	+4.801184	-1.184	15.401	P
7	1	+6.600000	+6.598948	+1.052	16.299	P
8	1	-0.600000	-0.600870	+0.870	13.300	P
8	1	+1.200000	+1.200045	-0.045	13.600	P
8	1	+3.000000	+3.002166	-2.166	14.501	P
8	1	+4.800000	+4.800137	-0.137	15.400	P
8	1	+6.600000	+6.599823	+0.177	16.300	P
9	1	-0.600000	-0.600747	+0.747	13.300	P
9	1	+1.200000	+1.199855	+0.145	13.600	P
9	1	+3.000000	+3.001944	-1.944	14.501	P
9	1	+4.800000	+4.800574	-0.574	15.400	P
9	1	+6.600000	+6.600185	-0.185	16.300	P
10	1	-0.600000	-0.600129	+0.129	13.300	P
10	1	+1.200000	+1.200520	-0.520	13.600	P
10	1	+3.000000	+2.999716	+0.284	14.500	P
10	1	+4.800000	+4.801611	-1.611	15.401	P
10	1	+6.600000	+6.599875	+0.125	16.300	P
11	1	-0.600000	-0.598702	-1.298	13.299	P
11	1	+1.200000	+1.200493	-0.493	13.600	P
11	1	+3.000000	+3.000234	-0.234	14.500	P
11	1	+4.800000	+4.800994	-0.994	15.400	P

11	1	+6.600000	+6.600059	-0.059	16.300	P
12	1	-0.600000	-0.600716	+0.716	13.300	P
12	1	+1.200000	+1.200276	-0.276	13.600	P
12	1	+3.000000	+3.000961	-0.961	14.500	P
12	1	+4.800000	+4.800096	-0.096	15.400	P
12	1	+6.600000	+6.599263	+0.737	16.300	P
13	1	-0.600000	-0.598853	-1.147	13.299	P
13	1	+1.200000	+1.201130	-1.130	13.601	P
13	1	+3.000000	+3.001291	-1.291	14.501	P
13	1	+4.800000	+4.800874	-0.874	15.400	P
13	1	+6.600000	+6.598731	+1.269	16.299	P
14	1	-0.600000	-0.601349	+1.349	13.301	P
14	1	+1.200000	+1.200554	-0.554	13.600	P
14	1	+3.000000	+3.001635	-1.635	14.501	P
14	1	+4.800000	+4.801102	-1.102	15.401	P
14	1	+6.600000	+6.599761	+0.239	16.300	P
15	1	-0.600000	-0.596724	-3.276	13.298	P
15	1	+1.200000	+1.201737	-1.737	13.601	P
15	1	+3.000000	+3.002000	-2.000	14.501	P
15	1	+4.800000	+4.800201	-0.201	15.400	P
15	1	+6.600000	+6.597669	+2.331	16.299	P
0	2	-1.600000	-1.601329	+1.329	26.801	P
0	2	+0.500000	+0.498058	+1.942	26.249	P
0	2	+3.000000	+2.998792	+1.208	27.499	P
0	2	+4.800000	+4.800362	-0.362	28.400	P
0	2	+7.600000	+7.597476	+2.524	29.799	P
1	2	-1.600000	-1.599087	-0.913	26.800	P
1	2	+0.500000	+0.500414	-0.414	26.250	P
1	2	+3.000000	+3.000093	-0.093	27.500	P
1	2	+4.800000	+4.802044	-2.044	28.401	P
1	2	+7.600000	+7.598457	+1.543	29.799	P
2	2	-1.600000	-1.599661	-0.339	26.800	P
2	2	+0.500000	+0.498783	+1.217	26.249	P
2	2	+3.000000	+2.999109	+0.891	27.500	P
2	2	+4.800000	+4.800614	-0.614	28.400	P
2	2	+7.600000	+7.599019	+0.981	29.800	P
3	2	-1.600000	-1.600740	+0.740	26.800	P
3	2	+0.500000	+0.500776	-0.776	26.250	P
3	2	+3.000000	+3.000627	-0.627	27.500	P
3	2	+4.800000	+4.802182	-2.182	28.401	P
3	2	+7.600000	+7.597889	+2.111	29.799	P
4	2	-1.600000	-1.599717	-0.283	26.800	P
4	2	+0.500000	+0.499106	+0.894	26.250	P
4	2	+3.000000	+3.000740	-0.740	27.500	P

4	2	+4.800000	+4.800369	-0.369	28.400	P
4	2	+7.600000	+7.597228	+2.772	29.799	P
5	2	-1.600000	-1.601390	+1.390	26.801	P
5	2	+0.500000	+0.498663	+1.337	26.249	P
5	2	+3.000000	+3.001101	-1.101	27.501	P
5	2	+4.800000	+4.801038	-1.038	28.401	P
5	2	+7.600000	+7.595582	+4.418	29.798	P
6	2	-1.600000	-1.603444	+3.444	26.802	P
6	2	+0.500000	+0.497560	+2.440	26.249	P
6	2	+3.000000	+2.999518	+0.482	27.500	P
6	2	+4.800000	+4.800531	-0.531	28.400	P
6	2	+7.600000	+7.603894	-3.894	29.802	P
7	2	-1.600000	-1.598733	-1.267	26.799	P
7	2	+0.500000	+0.499539	+0.461	26.250	P
7	2	+3.000000	+3.000435	-0.435	27.500	P
7	2	+4.800000	+4.802332	-2.332	28.401	P
7	2	+7.600000	+7.602148	-2.148	29.801	P
8	2	-1.600000	-1.601840	+1.840	26.801	P
8	2	+0.500000	+0.500230	-0.230	26.250	P
8	2	+3.000000	+2.999978	+0.022	27.500	P
8	2	+4.800000	+4.801536	-1.536	28.401	P
8	2	+7.600000	+7.592309	+7.691	29.796	P
9	2	-1.600000	-1.601732	+1.732	26.801	P
9	2	+0.500000	+0.498513	+1.487	26.249	P
9	2	+3.000000	+2.998267	+1.733	27.499	P
9	2	+4.800000	+4.801271	-1.271	28.401	P
9	2	+7.600000	+7.592121	+7.879	29.796	P
10	2	-1.600000	-1.598482	-1.518	26.799	P
10	2	+0.500000	+0.501106	-1.106	26.251	P
10	2	+3.000000	+3.001536	-1.536	27.501	P
10	2	+4.800000	+4.805170	-5.170	28.403	P
10	2	+7.600000	+7.602958	-2.958	29.801	P
11	2	-1.600000	-1.601151	+1.151	26.801	P
11	2	+0.500000	+0.501394	-1.394	26.251	P
11	2	+3.000000	+3.000934	-0.934	27.500	P
11	2	+4.800000	+4.802626	-2.626	28.401	P
11	2	+7.600000	+7.603654	-3.654	29.802	P
12	2	-1.600000	-1.600641	+0.641	26.800	P
12	2	+0.500000	+0.500152	-0.152	26.250	P
12	2	+3.000000	+3.000594	-0.594	27.500	P
12	2	+4.800000	+4.801449	-1.449	28.401	P
12	2	+7.600000	+7.596709	+3.291	29.798	P
13	2	-1.600000	-1.600171	+0.171	26.800	P
13	2	+0.500000	+0.498947	+1.053	26.249	P

13	2	+3.000000	+3.000541	-0.541	27.500	P
13	2	+4.800000	+4.801417	-1.417	28.401	P
13	2	+7.600000	+7.597111	+2.889	29.799	P
14	2	-1.600000	-1.597065	-2.935	26.799	P
14	2	+0.500000	+0.501300	-1.300	26.251	P
14	2	+3.000000	+3.001658	-1.658	27.501	P
14	2	+4.800000	+4.801842	-1.842	28.401	P
14	2	+7.600000	+7.598437	+1.563	29.799	P
15	2	-1.600000	-1.601364	+1.364	26.801	P
15	2	+0.500000	+0.498693	+1.307	26.249	P
15	2	+3.000000	+3.000582	-0.582	27.500	P
15	2	+4.800000	+4.803715	-3.715	28.402	P
15	2	+7.600000	+7.599674	+0.326	29.800	P

VENUS PPVI DACS Section:

Pin	VRng	DAC	Force (V)	MV (V)	Error(mV)	Limit(mV)	P/F
0	1	Force V	-0.600000	-0.599364	+0.63551	14.80000	P
0	1	Force V	+1.200000	+1.199525	-0.47478	13.90000	P
0	1	Force V	+3.000000	+3.000679	+0.67948	13.00000	P
0	1	Force V	+4.800000	+4.800646	+0.64564	13.90000	P
0	1	Force V	+6.600000	+6.599348	-0.65195	14.80000	P
1	1	Force V	-0.600000	-0.599179	+0.82070	14.80000	P
1	1	Force V	+1.200000	+1.200228	+0.22850	13.90000	P
1	1	Force V	+3.000000	+3.001412	+1.41188	13.00000	P
1	1	Force V	+4.800000	+4.801083	+1.08269	13.90000	P
1	1	Force V	+6.600000	+6.599203	-0.79714	14.80000	P
2	1	Force V	-0.600000	-0.597870	+2.12979	14.80000	P
2	1	Force V	+1.200000	+1.200931	+0.93147	13.90000	P
2	1	Force V	+3.000000	+3.000612	+0.61193	13.00000	P
2	1	Force V	+4.800000	+4.799059	-0.94129	13.90000	P
2	1	Force V	+6.600000	+6.596876	-3.12379	14.80000	P
3	1	Force V	-0.600000	-0.598224	+1.77602	14.80000	P
3	1	Force V	+1.200000	+1.201434	+1.43441	13.90000	P
3	1	Force V	+3.000000	+3.001382	+1.38217	13.00000	P
3	1	Force V	+4.800000	+4.801131	+1.13126	13.90000	P
3	1	Force V	+6.600000	+6.597865	-2.13467	14.80000	P
4	1	Force V	-0.600000	-0.599687	+0.31276	14.80000	P
4	1	Force V	+1.200000	+1.201079	+1.07880	13.90000	P
4	1	Force V	+3.000000	+3.001583	+1.58324	13.00000	P
4	1	Force V	+4.800000	+4.801862	+1.86233	13.90000	P
4	1	Force V	+6.600000	+6.600304	+0.30412	14.80000	P
5	1	Force V	-0.600000	-0.599901	+0.09888	14.80000	P
5	1	Force V	+1.200000	+1.200540	+0.53970	13.90000	P

5	1	Force V	+3.000000	+3.001024	+1.02395	13.00000	P
5	1	Force V	+4.800000	+4.801843	+1.84281	13.90000	P
5	1	Force V	+6.600000	+6.601081	+1.08069	14.80000	P
6	1	Force V	-0.600000	-0.601664	-1.66425	14.80000	P
6	1	Force V	+1.200000	+1.198601	-1.39926	13.90000	P
6	1	Force V	+3.000000	+2.998471	-1.52949	13.00000	P
6	1	Force V	+4.800000	+4.799820	-0.18036	13.90000	P
6	1	Force V	+6.600000	+6.597939	-2.06092	14.80000	P
7	1	Force V	-0.600000	-0.601581	-1.58105	14.80000	P
7	1	Force V	+1.200000	+1.198109	-1.89070	13.90000	P
7	1	Force V	+3.000000	+2.999818	-0.18240	13.00000	P
7	1	Force V	+4.800000	+4.799793	-0.20678	13.90000	P
7	1	Force V	+6.600000	+6.599094	-0.90551	14.80000	P
8	1	Force V	-0.600000	-0.600602	-0.60206	14.80000	P
8	1	Force V	+1.200000	+1.200142	+0.14216	13.90000	P
8	1	Force V	+3.000000	+3.002520	+2.51967	13.00000	P
8	1	Force V	+4.800000	+4.799892	-0.10781	13.90000	P
8	1	Force V	+6.600000	+6.599834	-0.16575	14.80000	P
9	1	Force V	-0.600000	-0.600795	-0.79503	14.80000	P
9	1	Force V	+1.200000	+1.199790	-0.20956	13.90000	P
9	1	Force V	+3.000000	+3.002086	+2.08622	13.00000	P
9	1	Force V	+4.800000	+4.800128	+0.12776	13.90000	P
9	1	Force V	+6.600000	+6.600362	+0.36153	14.80000	P
10	1	Force V	-0.600000	-0.599618	+0.38243	14.80000	P
10	1	Force V	+1.200000	+1.199862	-0.13803	13.90000	P
10	1	Force V	+3.000000	+2.999985	-0.01454	13.00000	P
10	1	Force V	+4.800000	+4.801312	+1.31209	13.90000	P
10	1	Force V	+6.600000	+6.599700	-0.30018	14.80000	P
11	1	Force V	-0.600000	-0.599010	+0.99001	14.80000	P
11	1	Force V	+1.200000	+1.200359	+0.35923	13.90000	P
11	1	Force V	+3.000000	+3.000233	+0.23318	13.00000	P
11	1	Force V	+4.800000	+4.800909	+0.90929	13.90000	P
11	1	Force V	+6.600000	+6.599864	-0.13644	14.80000	P
12	1	Force V	-0.600000	-0.599919	+0.08061	14.80000	P
12	1	Force V	+1.200000	+1.200632	+0.63214	13.90000	P
12	1	Force V	+3.000000	+3.001076	+1.07614	13.00000	P
12	1	Force V	+4.800000	+4.800391	+0.39113	13.90000	P
12	1	Force V	+6.600000	+6.600096	+0.09551	14.80000	P
13	1	Force V	-0.600000	-0.599109	+0.89078	14.80000	P
13	1	Force V	+1.200000	+1.201376	+1.37641	13.90000	P
13	1	Force V	+3.000000	+3.001399	+1.39935	13.00000	P
13	1	Force V	+4.800000	+4.800239	+0.23879	13.90000	P
13	1	Force V	+6.600000	+6.599067	-0.93332	14.80000	P
14	1	Force V	-0.600000	-0.600175	-0.17495	14.80000	P

14	1	Force V	+1.200000	+1.200789	+0.78889	13.90000	P
14	1	Force V	+3.000000	+3.001105	+1.10466	13.00000	P
14	1	Force V	+4.800000	+4.801546	+1.54574	13.90000	P
14	1	Force V	+6.600000	+6.599450	-0.55029	14.80000	P
15	1	Force V	-0.600000	-0.597780	+2.22021	14.80000	P
15	1	Force V	+1.200000	+1.202040	+2.03966	13.90000	P
15	1	Force V	+3.000000	+3.001804	+1.80390	13.00000	P
15	1	Force V	+4.800000	+4.800670	+0.67016	13.90000	P
15	1	Force V	+6.600000	+6.597449	-2.55074	14.80000	P
0	1	Clamp Hi	-0.000000	+0.003221	+3.22125	100.00000	P
0	1	Clamp Hi	+1.200000	+1.200300	+0.30042	100.00000	P
0	1	Clamp Hi	+3.000000	+2.995727	-4.27286	100.00000	P
0	1	Clamp Hi	+4.800000	+4.806021	+6.02060	100.00000	P
0	1	Clamp Hi	+6.600000	+6.621235	+21.23515	100.00000	P
1	1	Clamp Hi	-0.000000	+0.004739	+4.73913	100.00000	P
1	1	Clamp Hi	+1.200000	+1.201865	+1.86515	100.00000	P
1	1	Clamp Hi	+3.000000	+2.996444	-3.55600	100.00000	P
1	1	Clamp Hi	+4.800000	+4.806619	+6.61895	100.00000	P
1	1	Clamp Hi	+6.600000	+6.622124	+22.12419	100.00000	P
2	1	Clamp Hi	-0.000000	+0.000721	+0.72056	100.00000	P
2	1	Clamp Hi	+1.200000	+1.198566	-1.43385	100.00000	P
2	1	Clamp Hi	+3.000000	+2.993633	-6.36684	100.00000	P
2	1	Clamp Hi	+4.800000	+4.799436	-0.56366	100.00000	P
2	1	Clamp Hi	+6.600000	+6.605666	+5.66577	100.00000	P
3	1	Clamp Hi	-0.000000	+0.000309	+0.30930	100.00000	P
3	1	Clamp Hi	+1.200000	+1.198240	-1.76030	100.00000	P
3	1	Clamp Hi	+3.000000	+2.992432	-7.56795	100.00000	P
3	1	Clamp Hi	+4.800000	+4.798650	-1.35028	100.00000	P
3	1	Clamp Hi	+6.600000	+6.607723	+7.72328	100.00000	P
4	1	Clamp Hi	-0.000000	+0.000577	+0.57739	100.00000	P
4	1	Clamp Hi	+1.200000	+1.198712	-1.28849	100.00000	P
4	1	Clamp Hi	+3.000000	+2.996025	-3.97483	100.00000	P
4	1	Clamp Hi	+4.800000	+4.801918	+1.91827	100.00000	P
4	1	Clamp Hi	+6.600000	+6.608704	+8.70368	100.00000	P
5	1	Clamp Hi	-0.000000	+0.000415	+0.41469	100.00000	P
5	1	Clamp Hi	+1.200000	+1.197550	-2.45014	100.00000	P
5	1	Clamp Hi	+3.000000	+2.996075	-3.92454	100.00000	P
5	1	Clamp Hi	+4.800000	+4.801801	+1.80121	100.00000	P
5	1	Clamp Hi	+6.600000	+6.608266	+8.26636	100.00000	P
6	1	Clamp Hi	-0.000000	+0.002330	+2.33006	100.00000	P
6	1	Clamp Hi	+1.200000	+1.197853	-2.14703	100.00000	P
6	1	Clamp Hi	+3.000000	+2.993888	-6.11200	100.00000	P
6	1	Clamp Hi	+4.800000	+4.801156	+1.15592	100.00000	P
6	1	Clamp Hi	+6.600000	+6.608402	+8.40184	100.00000	P

7	1	Clamp Hi	-0.000000	+0.001111	+1.11104	100.00000	P
7	1	Clamp Hi	+1.200000	+1.198565	-1.43538	100.00000	P
7	1	Clamp Hi	+3.000000	+2.994848	-5.15180	100.00000	P
7	1	Clamp Hi	+4.800000	+4.801014	+1.01442	100.00000	P
7	1	Clamp Hi	+6.600000	+6.607690	+7.69043	100.00000	P
8	1	Clamp Hi	-0.000000	+0.002208	+2.20849	100.00000	P
8	1	Clamp Hi	+1.200000	+1.199909	-0.09084	100.00000	P
8	1	Clamp Hi	+3.000000	+2.996120	-3.88014	100.00000	P
8	1	Clamp Hi	+4.800000	+4.804023	+4.02347	100.00000	P
8	1	Clamp Hi	+6.600000	+6.619292	+19.29160	100.00000	P
9	1	Clamp Hi	-0.000000	+0.003031	+3.03080	100.00000	P
9	1	Clamp Hi	+1.200000	+1.201016	+1.01567	100.00000	P
9	1	Clamp Hi	+3.000000	+2.997481	-2.51850	100.00000	P
9	1	Clamp Hi	+4.800000	+4.803684	+3.68420	100.00000	P
9	1	Clamp Hi	+6.600000	+6.619263	+19.26307	100.00000	P
10	1	Clamp Hi	-0.000000	-0.000376	-0.37553	100.00000	P
10	1	Clamp Hi	+1.200000	+1.197524	-2.47627	100.00000	P
10	1	Clamp Hi	+3.000000	+2.993335	-6.66463	100.00000	P
10	1	Clamp Hi	+4.800000	+4.800979	+0.97897	100.00000	P
10	1	Clamp Hi	+6.600000	+6.608255	+8.25540	100.00000	P
11	1	Clamp Hi	-0.000000	-0.000381	-0.38136	100.00000	P
11	1	Clamp Hi	+1.200000	+1.197557	-2.44310	100.00000	P
11	1	Clamp Hi	+3.000000	+2.993284	-6.71572	100.00000	P
11	1	Clamp Hi	+4.800000	+4.801271	+1.27071	100.00000	P
11	1	Clamp Hi	+6.600000	+6.608669	+8.66884	100.00000	P
12	1	Clamp Hi	-0.000000	+0.002762	+2.76196	100.00000	P
12	1	Clamp Hi	+1.200000	+1.200789	+0.78870	100.00000	P
12	1	Clamp Hi	+3.000000	+2.994457	-5.54308	100.00000	P
12	1	Clamp Hi	+4.800000	+4.803485	+3.48488	100.00000	P
12	1	Clamp Hi	+6.600000	+6.621375	+21.37537	100.00000	P
13	1	Clamp Hi	-0.000000	+0.001877	+1.87738	100.00000	P
13	1	Clamp Hi	+1.200000	+1.200743	+0.74258	100.00000	P
13	1	Clamp Hi	+3.000000	+2.994390	-5.61027	100.00000	P
13	1	Clamp Hi	+4.800000	+4.801385	+1.38483	100.00000	P
13	1	Clamp Hi	+6.600000	+6.617156	+17.15580	100.00000	P
14	1	Clamp Hi	-0.000000	+0.000160	+0.15970	100.00000	P
14	1	Clamp Hi	+1.200000	+1.198694	-1.30629	100.00000	P
14	1	Clamp Hi	+3.000000	+2.995488	-4.51226	100.00000	P
14	1	Clamp Hi	+4.800000	+4.800921	+0.92064	100.00000	P
14	1	Clamp Hi	+6.600000	+6.607147	+7.14662	100.00000	P
15	1	Clamp Hi	-0.000000	+0.000400	+0.39999	100.00000	P
15	1	Clamp Hi	+1.200000	+1.198358	-1.64186	100.00000	P
15	1	Clamp Hi	+3.000000	+2.994660	-5.34014	100.00000	P
15	1	Clamp Hi	+4.800000	+4.799702	-0.29810	100.00000	P

15	1	Clamp Hi	+6.600000	+6.604358	+4.35825	100.00000	P
0	1	Clamp Lo	-0.600000	-0.605673	-5.67337	100.00000	P
0	1	Clamp Lo	+1.200000	+1.195198	-4.80163	100.00000	P
0	1	Clamp Lo	+3.000000	+2.997001	-2.99926	100.00000	P
0	1	Clamp Lo	+4.800000	+4.798357	-1.64336	100.00000	P
0	1	Clamp Lo	+6.600000	+6.597529	-2.47149	100.00000	P
1	1	Clamp Lo	-0.600000	-0.606937	-6.93678	100.00000	P
1	1	Clamp Lo	+1.200000	+1.193874	-6.12554	100.00000	P
1	1	Clamp Lo	+3.000000	+2.996628	-3.37230	100.00000	P
1	1	Clamp Lo	+4.800000	+4.797771	-2.22858	100.00000	P
1	1	Clamp Lo	+6.600000	+6.597173	-2.82675	100.00000	P
2	1	Clamp Lo	-0.600000	-0.600839	-0.83905	100.00000	P
2	1	Clamp Lo	+1.200000	+1.199562	-0.43848	100.00000	P
2	1	Clamp Lo	+3.000000	+2.999874	-0.12643	100.00000	P
2	1	Clamp Lo	+4.800000	+4.799712	-0.28828	100.00000	P
2	1	Clamp Lo	+6.600000	+6.597177	-2.82252	100.00000	P
3	1	Clamp Lo	-0.600000	-0.599927	+0.07343	100.00000	P
3	1	Clamp Lo	+1.200000	+1.199178	-0.82233	100.00000	P
3	1	Clamp Lo	+3.000000	+2.998807	-1.19323	100.00000	P
3	1	Clamp Lo	+4.800000	+4.799156	-0.84366	100.00000	P
3	1	Clamp Lo	+6.600000	+6.597331	-2.66900	100.00000	P
4	1	Clamp Lo	-0.600000	-0.602489	-2.48944	100.00000	P
4	1	Clamp Lo	+1.200000	+1.197056	-2.94384	100.00000	P
4	1	Clamp Lo	+3.000000	+2.998538	-1.46159	100.00000	P
4	1	Clamp Lo	+4.800000	+4.799352	-0.64775	100.00000	P
4	1	Clamp Lo	+6.600000	+6.600787	+0.78658	100.00000	P
5	1	Clamp Lo	-0.600000	-0.601839	-1.83909	100.00000	P
5	1	Clamp Lo	+1.200000	+1.198392	-1.60832	100.00000	P
5	1	Clamp Lo	+3.000000	+2.999246	-0.75358	100.00000	P
5	1	Clamp Lo	+4.800000	+4.799706	-0.29391	100.00000	P
5	1	Clamp Lo	+6.600000	+6.599488	-0.51184	100.00000	P
6	1	Clamp Lo	-0.600000	-0.603503	-3.50285	100.00000	P
6	1	Clamp Lo	+1.200000	+1.196242	-3.75817	100.00000	P
6	1	Clamp Lo	+3.000000	+2.997553	-2.44745	100.00000	P
6	1	Clamp Lo	+4.800000	+4.798731	-1.26888	100.00000	P
6	1	Clamp Lo	+6.600000	+6.598343	-1.65720	100.00000	P
7	1	Clamp Lo	-0.600000	-0.601752	-1.75243	100.00000	P
7	1	Clamp Lo	+1.200000	+1.196276	-3.72439	100.00000	P
7	1	Clamp Lo	+3.000000	+2.997347	-2.65312	100.00000	P
7	1	Clamp Lo	+4.800000	+4.799287	-0.71254	100.00000	P
7	1	Clamp Lo	+6.600000	+6.598776	-1.22372	100.00000	P
8	1	Clamp Lo	-0.600000	-0.604819	-4.81949	100.00000	P
8	1	Clamp Lo	+1.200000	+1.196043	-3.95676	100.00000	P
8	1	Clamp Lo	+3.000000	+2.998961	-1.03904	100.00000	P

8	1	Clamp Lo	+4.800000	+4.797840	-2.15952	100.00000	P
8	1	Clamp Lo	+6.600000	+6.598706	-1.29436	100.00000	P
9	1	Clamp Lo	-0.600000	-0.604783	-4.78251	100.00000	P
9	1	Clamp Lo	+1.200000	+1.196284	-3.71562	100.00000	P
9	1	Clamp Lo	+3.000000	+2.999207	-0.79322	100.00000	P
9	1	Clamp Lo	+4.800000	+4.798602	-1.39770	100.00000	P
9	1	Clamp Lo	+6.600000	+6.599220	-0.78010	100.00000	P
10	1	Clamp Lo	-0.600000	-0.602459	-2.45889	100.00000	P
10	1	Clamp Lo	+1.200000	+1.197125	-2.87533	100.00000	P
10	1	Clamp Lo	+3.000000	+2.997085	-2.91522	100.00000	P
10	1	Clamp Lo	+4.800000	+4.798746	-1.25427	100.00000	P
10	1	Clamp Lo	+6.600000	+6.598643	-1.35695	100.00000	P
11	1	Clamp Lo	-0.600000	-0.601616	-1.61623	100.00000	P
11	1	Clamp Lo	+1.200000	+1.197181	-2.81852	100.00000	P
11	1	Clamp Lo	+3.000000	+2.998075	-1.92490	100.00000	P
11	1	Clamp Lo	+4.800000	+4.800530	+0.53010	100.00000	P
11	1	Clamp Lo	+6.600000	+6.599284	-0.71635	100.00000	P
12	1	Clamp Lo	-0.600000	-0.603351	-3.35120	100.00000	P
12	1	Clamp Lo	+1.200000	+1.197432	-2.56841	100.00000	P
12	1	Clamp Lo	+3.000000	+2.998390	-1.61008	100.00000	P
12	1	Clamp Lo	+4.800000	+4.798734	-1.26608	100.00000	P
12	1	Clamp Lo	+6.600000	+6.599002	-0.99834	100.00000	P
13	1	Clamp Lo	-0.600000	-0.603408	-3.40751	100.00000	P
13	1	Clamp Lo	+1.200000	+1.196901	-3.09873	100.00000	P
13	1	Clamp Lo	+3.000000	+2.998444	-1.55574	100.00000	P
13	1	Clamp Lo	+4.800000	+4.798234	-1.76573	100.00000	P
13	1	Clamp Lo	+6.600000	+6.597718	-2.28236	100.00000	P
14	1	Clamp Lo	-0.600000	-0.600997	-0.99744	100.00000	P
14	1	Clamp Lo	+1.200000	+1.197457	-2.54251	100.00000	P
14	1	Clamp Lo	+3.000000	+2.999082	-0.91832	100.00000	P
14	1	Clamp Lo	+4.800000	+4.799947	-0.05342	100.00000	P
14	1	Clamp Lo	+6.600000	+6.599598	-0.40238	100.00000	P
15	1	Clamp Lo	-0.600000	-0.599177	+0.82273	100.00000	P
15	1	Clamp Lo	+1.200000	+1.197883	-2.11693	100.00000	P
15	1	Clamp Lo	+3.000000	+2.998229	-1.77134	100.00000	P
15	1	Clamp Lo	+4.800000	+4.798235	-1.76538	100.00000	P
15	1	Clamp Lo	+6.600000	+6.596472	-3.52848	100.00000	P

VENUS PPVI COMP DACS Section:

Pin	VRng	DAC	Force (V)	DAC (V)	Error(mV)	Limit(mV)	P/F
0	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
0	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
0	1	Comp A	+3.000000	+2.996094	-3.90625	25.00000	P

0	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
0	1	Comp A	+6.600000	+6.600781	+0.78125	25.00000	P
1	1	Comp A	-0.600000	-0.596094	+3.90625	25.00000	P
1	1	Comp A	+1.200000	+1.200781	+0.78125	25.00000	P
1	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
1	1	Comp A	+4.800000	+4.800781	+0.78125	25.00000	P
1	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
2	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
2	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
2	1	Comp A	+3.000000	+2.999219	-0.78125	25.00000	P
2	1	Comp A	+4.800000	+4.800781	+0.78125	25.00000	P
2	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
3	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
3	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
3	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
3	1	Comp A	+4.800000	+4.800781	+0.78125	25.00000	P
3	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
4	1	Comp A	-0.600000	-0.599219	+0.78125	25.00000	P
4	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
4	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
4	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
4	1	Comp A	+6.600000	+6.602344	+2.34375	25.00000	P
5	1	Comp A	-0.600000	-0.600781	-0.78125	25.00000	P
5	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
5	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
5	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
5	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
6	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
6	1	Comp A	+1.200000	+1.200781	+0.78125	25.00000	P
6	1	Comp A	+3.000000	+2.999219	-0.78125	25.00000	P
6	1	Comp A	+4.800000	+4.800781	+0.78125	25.00000	P
6	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
7	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
7	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
7	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
7	1	Comp A	+4.800000	+4.800781	+0.78125	25.00000	P
7	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
8	1	Comp A	-0.600000	-0.596094	+3.90625	25.00000	P
8	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
8	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
8	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
8	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
9	1	Comp A	-0.600000	-0.599219	+0.78125	25.00000	P
9	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P

9	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
9	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
9	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
10	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
10	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
10	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
10	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
10	1	Comp A	+6.600000	+6.600781	+0.78125	25.00000	P
11	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
11	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
11	1	Comp A	+3.000000	+2.999219	-0.78125	25.00000	P
11	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
11	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
12	1	Comp A	-0.600000	-0.599219	+0.78125	25.00000	P
12	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
12	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
12	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
12	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
13	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
13	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
13	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
13	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
13	1	Comp A	+6.600000	+6.602344	+2.34375	25.00000	P
14	1	Comp A	-0.600000	-0.596094	+3.90625	25.00000	P
14	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
14	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
14	1	Comp A	+4.800000	+4.800781	+0.78125	25.00000	P
14	1	Comp A	+6.600000	+6.602344	+2.34375	25.00000	P
15	1	Comp A	-0.600000	-0.599219	+0.78125	25.00000	P
15	1	Comp A	+1.200000	+1.196094	-3.90625	25.00000	P
15	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
15	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
15	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
0	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
0	1	Comp B	+1.200000	+1.199219	-0.78125	25.00000	P
0	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
0	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
0	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
1	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
1	1	Comp B	+1.200000	+1.199219	-0.78125	25.00000	P
1	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
1	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
1	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
2	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P

2	1	Comp B	+1.200000	+1.200781	+0.78125	25.00000	P
2	1	Comp B	+3.000000	+3.000781	+0.78125	25.00000	P
2	1	Comp B	+4.800000	+4.802344	+2.34375	25.00000	P
2	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
3	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
3	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
3	1	Comp B	+3.000000	+2.999219	-0.78125	25.00000	P
3	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
3	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
4	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
4	1	Comp B	+1.200000	+1.199219	-0.78125	25.00000	P
4	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
4	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
4	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
5	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
5	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
5	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
5	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
5	1	Comp B	+6.600000	+6.602344	+2.34375	25.00000	P
6	1	Comp B	-0.600000	-0.599219	+0.78125	25.00000	P
6	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
6	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
6	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
6	1	Comp B	+6.600000	+6.602344	+2.34375	25.00000	P
7	1	Comp B	-0.600000	-0.599219	+0.78125	25.00000	P
7	1	Comp B	+1.200000	+1.199219	-0.78125	25.00000	P
7	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
7	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
7	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
8	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
8	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
8	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
8	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
8	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
9	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
9	1	Comp B	+1.200000	+1.199219	-0.78125	25.00000	P
9	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
9	1	Comp B	+4.800000	+4.800781	+0.78125	25.00000	P
9	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
10	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
10	1	Comp B	+1.200000	+1.200781	+0.78125	25.00000	P
10	1	Comp B	+3.000000	+3.000781	+0.78125	25.00000	P
10	1	Comp B	+4.800000	+4.800781	+0.78125	25.00000	P
10	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P

11	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
11	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
11	1	Comp B	+3.000000	+2.996094	-3.90625	25.00000	P
11	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
11	1	Comp B	+6.600000	+6.600781	+0.78125	25.00000	P
12	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
12	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
12	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
12	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
12	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
13	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
13	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
13	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
13	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
13	1	Comp B	+6.600000	+6.602344	+2.34375	25.00000	P
14	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
14	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
14	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
14	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
14	1	Comp B	+6.600000	+6.602344	+2.34375	25.00000	P
15	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
15	1	Comp B	+1.200000	+1.200781	+0.78125	25.00000	P
15	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
15	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
15	1	Comp B	+6.600000	+6.600781	+0.78125	25.00000	P

VENUS PPVI DACS Section:

Pin	VRng	DAC	Force (V)	MV (V)	Error(mV)	Limit(mV)	P/F
0	2	Force V	-1.600000	-1.600585	-0.58542	29.80000	P
0	2	Force V	+1.000000	+0.998963	-1.03694	28.50000	P
0	2	Force V	+3.000000	+2.998498	-1.50241	27.50000	P
0	2	Force V	+4.800000	+4.800576	+0.57632	26.60000	P
0	2	Force V	+7.600000	+7.598203	-1.79697	26.80000	P
1	2	Force V	-1.600000	-1.598234	+1.76558	29.80000	P
1	2	Force V	+1.000000	+0.999876	-0.12382	28.50000	P
1	2	Force V	+3.000000	+2.999618	-0.38207	27.50000	P
1	2	Force V	+4.800000	+4.802216	+2.21646	26.60000	P
1	2	Force V	+7.600000	+7.598451	-1.54894	26.80000	P
2	2	Force V	-1.600000	-1.599779	+0.22050	29.80000	P
2	2	Force V	+1.000000	+0.999333	-0.66749	28.50000	P
2	2	Force V	+3.000000	+3.001018	+1.01800	27.50000	P
2	2	Force V	+4.800000	+4.801733	+1.73302	26.60000	P
2	2	Force V	+7.600000	+7.600426	+0.42616	26.80000	P

3	2	Force V	-1.600000	-1.598100	+1.89956	29.80000	P
3	2	Force V	+1.000000	+0.999831	-0.16889	28.50000	P
3	2	Force V	+3.000000	+3.000128	+0.12788	27.50000	P
3	2	Force V	+4.800000	+4.801476	+1.47579	26.60000	P
3	2	Force V	+7.600000	+7.599518	-0.48180	26.80000	P
4	2	Force V	-1.600000	-1.600720	-0.72022	29.80000	P
4	2	Force V	+1.000000	+0.999439	-0.56126	28.50000	P
4	2	Force V	+3.000000	+3.001430	+1.43001	27.50000	P
4	2	Force V	+4.800000	+4.802104	+2.10352	26.60000	P
4	2	Force V	+7.600000	+7.597927	-2.07280	26.80000	P
5	2	Force V	-1.600000	-1.601511	-1.51138	29.80000	P
5	2	Force V	+1.000000	+0.997773	-2.22693	28.50000	P
5	2	Force V	+3.000000	+3.000484	+0.48394	27.50000	P
5	2	Force V	+4.800000	+4.801322	+1.32229	26.60000	P
5	2	Force V	+7.600000	+7.598403	-1.59694	26.80000	P
6	2	Force V	-1.600000	-1.600920	-0.92041	29.80000	P
6	2	Force V	+1.000000	+0.998861	-1.13940	28.50000	P
6	2	Force V	+3.000000	+2.999543	-0.45673	27.50000	P
6	2	Force V	+4.800000	+4.801146	+1.14622	26.60000	P
6	2	Force V	+7.600000	+7.601149	+1.14891	26.80000	P
7	2	Force V	-1.600000	-1.601901	-1.90134	29.80000	P
7	2	Force V	+1.000000	+1.002133	+2.13260	28.50000	P
7	2	Force V	+3.000000	+3.001750	+1.74961	27.50000	P
7	2	Force V	+4.800000	+4.800874	+0.87374	26.60000	P
7	2	Force V	+7.600000	+7.602017	+2.01665	26.80000	P
8	2	Force V	-1.600000	-1.601645	-1.64455	29.80000	P
8	2	Force V	+1.000000	+1.000857	+0.85711	28.50000	P
8	2	Force V	+3.000000	+2.999628	-0.37249	27.50000	P
8	2	Force V	+4.800000	+4.802215	+2.21456	26.60000	P
8	2	Force V	+7.600000	+7.592808	-7.19217	26.80000	P
9	2	Force V	-1.600000	-1.602114	-2.11358	29.80000	P
9	2	Force V	+1.000000	+0.998960	-1.03990	28.50000	P
9	2	Force V	+3.000000	+2.998825	-1.17477	27.50000	P
9	2	Force V	+4.800000	+4.801441	+1.44119	26.60000	P
9	2	Force V	+7.600000	+7.591835	-8.16540	26.80000	P
10	2	Force V	-1.600000	-1.597597	+2.40285	29.80000	P
10	2	Force V	+1.000000	+1.001794	+1.79443	28.50000	P
10	2	Force V	+3.000000	+3.001566	+1.56631	27.50000	P
10	2	Force V	+4.800000	+4.804900	+4.90028	26.60000	P
10	2	Force V	+7.600000	+7.603749	+3.74871	26.80000	P
11	2	Force V	-1.600000	-1.599287	+0.71332	29.80000	P
11	2	Force V	+1.000000	+1.000770	+0.77018	28.50000	P
11	2	Force V	+3.000000	+2.999854	-0.14625	27.50000	P
11	2	Force V	+4.800000	+4.801021	+1.02104	26.60000	P

11	2	Force V	+7.600000	+7.602667	+2.66748	26.80000	P
12	2	Force V	-1.600000	-1.599006	+0.99392	29.80000	P
12	2	Force V	+1.000000	+1.000704	+0.70427	28.50000	P
12	2	Force V	+3.000000	+3.000905	+0.90511	27.50000	P
12	2	Force V	+4.800000	+4.801873	+1.87315	26.60000	P
12	2	Force V	+7.600000	+7.596900	-3.10043	26.80000	P
13	2	Force V	-1.600000	-1.599136	+0.86393	29.80000	P
13	2	Force V	+1.000000	+0.999396	-0.60352	28.50000	P
13	2	Force V	+3.000000	+2.999836	-0.16372	27.50000	P
13	2	Force V	+4.800000	+4.802022	+2.02166	26.60000	P
13	2	Force V	+7.600000	+7.597742	-2.25764	26.80000	P
14	2	Force V	-1.600000	-1.597053	+2.94716	29.80000	P
14	2	Force V	+1.000000	+1.000745	+0.74541	28.50000	P
14	2	Force V	+3.000000	+3.001452	+1.45154	27.50000	P
14	2	Force V	+4.800000	+4.802803	+2.80318	26.60000	P
14	2	Force V	+7.600000	+7.597168	-2.83244	26.80000	P
15	2	Force V	-1.600000	-1.602043	-2.04340	29.80000	P
15	2	Force V	+1.000000	+0.998062	-1.93850	28.50000	P
15	2	Force V	+3.000000	+3.001130	+1.13039	27.50000	P
15	2	Force V	+4.800000	+4.803490	+3.48957	26.60000	P
15	2	Force V	+7.600000	+7.599934	-0.06570	26.80000	P
0	2	Clamp Hi	-0.000000	+0.004554	+4.55416	200.00000	P
0	2	Clamp Hi	+1.000000	+1.000229	+0.22862	200.00000	P
0	2	Clamp Hi	+3.000000	+2.990179	-9.82059	200.00000	P
0	2	Clamp Hi	+4.800000	+4.799209	-0.79066	200.00000	P
0	2	Clamp Hi	+7.600000	+7.618532	+18.53218	200.00000	P
1	2	Clamp Hi	-0.000000	+0.002050	+2.05032	200.00000	P
1	2	Clamp Hi	+1.000000	+0.999095	-0.90533	200.00000	P
1	2	Clamp Hi	+3.000000	+2.989348	-10.65216	200.00000	P
1	2	Clamp Hi	+4.800000	+4.798024	-1.97576	200.00000	P
1	2	Clamp Hi	+7.600000	+7.619149	+19.14891	200.00000	P
2	2	Clamp Hi	-0.000000	-0.000861	-0.86080	200.00000	P
2	2	Clamp Hi	+1.000000	+0.995816	-4.18375	200.00000	P
2	2	Clamp Hi	+3.000000	+2.990612	-9.38804	200.00000	P
2	2	Clamp Hi	+4.800000	+4.796074	-3.92597	200.00000	P
2	2	Clamp Hi	+7.600000	+7.605589	+5.58881	200.00000	P
3	2	Clamp Hi	-0.000000	-0.000232	-0.23240	200.00000	P
3	2	Clamp Hi	+1.000000	+0.997915	-2.08505	200.00000	P
3	2	Clamp Hi	+3.000000	+2.989442	-10.55751	200.00000	P
3	2	Clamp Hi	+4.800000	+4.796258	-3.74226	200.00000	P
3	2	Clamp Hi	+7.600000	+7.605529	+5.52884	200.00000	P
4	2	Clamp Hi	-0.000000	+0.003216	+3.21576	200.00000	P
4	2	Clamp Hi	+1.000000	+0.999302	-0.69798	200.00000	P
4	2	Clamp Hi	+3.000000	+2.992046	-7.95352	200.00000	P

4	2	Clamp Hi	+4.800000	+4.800037	+0.03673	200.00000	P
4	2	Clamp Hi	+7.600000	+7.605505	+5.50497	200.00000	P
5	2	Clamp Hi	-0.000000	+0.002358	+2.35796	200.00000	P
5	2	Clamp Hi	+1.000000	+0.997365	-2.63474	200.00000	P
5	2	Clamp Hi	+3.000000	+2.992529	-7.47112	200.00000	P
5	2	Clamp Hi	+4.800000	+4.796960	-3.04030	200.00000	P
5	2	Clamp Hi	+7.600000	+7.604651	+4.65143	200.00000	P
6	2	Clamp Hi	-0.000000	-0.000303	-0.30304	200.00000	P
6	2	Clamp Hi	+1.000000	+0.996117	-3.88280	200.00000	P
6	2	Clamp Hi	+3.000000	+2.989221	-10.77853	200.00000	P
6	2	Clamp Hi	+4.800000	+4.796640	-3.35959	200.00000	P
6	2	Clamp Hi	+7.600000	+7.609405	+9.40539	200.00000	P
7	2	Clamp Hi	-0.000000	-0.001534	-1.53450	200.00000	P
7	2	Clamp Hi	+1.000000	+0.998107	-1.89337	200.00000	P
7	2	Clamp Hi	+3.000000	+2.991985	-8.01460	200.00000	P
7	2	Clamp Hi	+4.800000	+4.797895	-2.10514	200.00000	P
7	2	Clamp Hi	+7.600000	+7.608475	+8.47547	200.00000	P
8	2	Clamp Hi	-0.000000	+0.003335	+3.33482	200.00000	P
8	2	Clamp Hi	+1.000000	+1.000523	+0.52343	200.00000	P
8	2	Clamp Hi	+3.000000	+2.990519	-9.48087	200.00000	P
8	2	Clamp Hi	+4.800000	+4.798948	-1.05247	200.00000	P
8	2	Clamp Hi	+7.600000	+7.610423	+10.42319	200.00000	P
9	2	Clamp Hi	-0.000000	+0.001735	+1.73453	200.00000	P
9	2	Clamp Hi	+1.000000	+0.999800	-0.20037	200.00000	P
9	2	Clamp Hi	+3.000000	+2.989603	-10.39675	200.00000	P
9	2	Clamp Hi	+4.800000	+4.798657	-1.34323	200.00000	P
9	2	Clamp Hi	+7.600000	+7.609532	+9.53200	200.00000	P
10	2	Clamp Hi	-0.000000	+0.001703	+1.70290	200.00000	P
10	2	Clamp Hi	+1.000000	+0.998489	-1.51088	200.00000	P
10	2	Clamp Hi	+3.000000	+2.993372	-6.62846	200.00000	P
10	2	Clamp Hi	+4.800000	+4.798234	-1.76605	200.00000	P
10	2	Clamp Hi	+7.600000	+7.610280	+10.28025	200.00000	P
11	2	Clamp Hi	-0.000000	-0.001100	-1.10005	200.00000	P
11	2	Clamp Hi	+1.000000	+0.997599	-2.40124	200.00000	P
11	2	Clamp Hi	+3.000000	+2.991083	-8.91655	200.00000	P
11	2	Clamp Hi	+4.800000	+4.796166	-3.83364	200.00000	P
11	2	Clamp Hi	+7.600000	+7.608968	+8.96774	200.00000	P
12	2	Clamp Hi	-0.000000	+0.004033	+4.03285	200.00000	P
12	2	Clamp Hi	+1.000000	+0.999882	-0.11792	200.00000	P
12	2	Clamp Hi	+3.000000	+2.989758	-10.24193	200.00000	P
12	2	Clamp Hi	+4.800000	+4.797567	-2.43291	200.00000	P
12	2	Clamp Hi	+7.600000	+7.617639	+17.63858	200.00000	P
13	2	Clamp Hi	-0.000000	+0.003027	+3.02701	200.00000	P
13	2	Clamp Hi	+1.000000	+0.999140	-0.85969	200.00000	P

13	2	Clamp Hi	+3.000000	+2.989644	-10.35571	200.00000	P
13	2	Clamp Hi	+4.800000	+4.796908	-3.09197	200.00000	P
13	2	Clamp Hi	+7.600000	+7.614599	+14.59885	200.00000	P
14	2	Clamp Hi	-0.000000	-0.001633	-1.63266	200.00000	P
14	2	Clamp Hi	+1.000000	+0.995620	-4.38026	200.00000	P
14	2	Clamp Hi	+3.000000	+2.991998	-8.00230	200.00000	P
14	2	Clamp Hi	+4.800000	+4.797767	-2.23253	200.00000	P
14	2	Clamp Hi	+7.600000	+7.604433	+4.43336	200.00000	P
15	2	Clamp Hi	-0.000000	+0.000136	+0.13623	200.00000	P
15	2	Clamp Hi	+1.000000	+0.997716	-2.28359	200.00000	P
15	2	Clamp Hi	+3.000000	+2.992445	-7.55464	200.00000	P
15	2	Clamp Hi	+4.800000	+4.800827	+0.82738	200.00000	P
15	2	Clamp Hi	+7.600000	+7.604304	+4.30393	200.00000	P
0	2	Clamp Lo	-1.600000	-1.605525	-5.52529	200.00000	P
0	2	Clamp Lo	+1.000000	+0.994087	-5.91284	200.00000	P
0	2	Clamp Lo	+3.000000	+2.993250	-6.75022	200.00000	P
0	2	Clamp Lo	+4.800000	+4.796558	-3.44169	200.00000	P
0	2	Clamp Lo	+7.600000	+7.594690	-5.31026	200.00000	P
1	2	Clamp Lo	-1.600000	-1.601875	-1.87530	200.00000	P
1	2	Clamp Lo	+1.000000	+0.995279	-4.72115	200.00000	P
1	2	Clamp Lo	+3.000000	+2.996626	-3.37380	200.00000	P
1	2	Clamp Lo	+4.800000	+4.798831	-1.16943	200.00000	P
1	2	Clamp Lo	+7.600000	+7.596760	-3.23970	200.00000	P
2	2	Clamp Lo	-1.600000	-1.596251	+3.74941	200.00000	P
2	2	Clamp Lo	+1.000000	+0.997337	-2.66285	200.00000	P
2	2	Clamp Lo	+3.000000	+2.998018	-1.98222	200.00000	P
2	2	Clamp Lo	+4.800000	+4.801200	+1.19971	200.00000	P
2	2	Clamp Lo	+7.600000	+7.595999	-4.00060	200.00000	P
3	2	Clamp Lo	-1.600000	-1.598729	+1.27065	200.00000	P
3	2	Clamp Lo	+1.000000	+0.996303	-3.69721	200.00000	P
3	2	Clamp Lo	+3.000000	+2.999818	-0.18220	200.00000	P
3	2	Clamp Lo	+4.800000	+4.800198	+0.19803	200.00000	P
3	2	Clamp Lo	+7.600000	+7.598910	-1.09004	200.00000	P
4	2	Clamp Lo	-1.600000	-1.596531	+3.46933	200.00000	P
4	2	Clamp Lo	+1.000000	+0.997209	-2.79056	200.00000	P
4	2	Clamp Lo	+3.000000	+2.997766	-2.23359	200.00000	P
4	2	Clamp Lo	+4.800000	+4.799304	-0.69575	200.00000	P
4	2	Clamp Lo	+7.600000	+7.596692	-3.30811	200.00000	P
5	2	Clamp Lo	-1.600000	-1.596504	+3.49554	200.00000	P
5	2	Clamp Lo	+1.000000	+0.998726	-1.27382	200.00000	P
5	2	Clamp Lo	+3.000000	+2.999182	-0.81786	200.00000	P
5	2	Clamp Lo	+4.800000	+4.800844	+0.84391	200.00000	P
5	2	Clamp Lo	+7.600000	+7.597448	-2.55151	200.00000	P
6	2	Clamp Lo	-1.600000	-1.601696	-1.69573	200.00000	P

6	2	Clamp Lo	+1.000000	+0.993643	-6.35707	200.00000	P
6	2	Clamp Lo	+3.000000	+2.996541	-3.45881	200.00000	P
6	2	Clamp Lo	+4.800000	+4.797734	-2.26602	200.00000	P
6	2	Clamp Lo	+7.600000	+7.599635	-0.36526	200.00000	P
7	2	Clamp Lo	-1.600000	-1.602150	-2.15029	200.00000	P
7	2	Clamp Lo	+1.000000	+0.995270	-4.73028	200.00000	P
7	2	Clamp Lo	+3.000000	+2.997152	-2.84841	200.00000	P
7	2	Clamp Lo	+4.800000	+4.799577	-0.42303	200.00000	P
7	2	Clamp Lo	+7.600000	+7.602793	+2.79291	200.00000	P
8	2	Clamp Lo	-1.600000	-1.601673	-1.67254	200.00000	P
8	2	Clamp Lo	+1.000000	+0.996893	-3.10674	200.00000	P
8	2	Clamp Lo	+3.000000	+2.996640	-3.35986	200.00000	P
8	2	Clamp Lo	+4.800000	+4.799256	-0.74385	200.00000	P
8	2	Clamp Lo	+7.600000	+7.591307	-8.69267	200.00000	P
9	2	Clamp Lo	-1.600000	-1.602806	-2.80585	200.00000	P
9	2	Clamp Lo	+1.000000	+0.996180	-3.81993	200.00000	P
9	2	Clamp Lo	+3.000000	+2.995452	-4.54800	200.00000	P
9	2	Clamp Lo	+4.800000	+4.797822	-2.17813	200.00000	P
9	2	Clamp Lo	+7.600000	+7.590782	-9.21817	200.00000	P
10	2	Clamp Lo	-1.600000	-1.595420	+4.57995	200.00000	P
10	2	Clamp Lo	+1.000000	+0.998978	-1.02208	200.00000	P
10	2	Clamp Lo	+3.000000	+2.998666	-1.33365	200.00000	P
10	2	Clamp Lo	+4.800000	+4.800909	+0.90934	200.00000	P
10	2	Clamp Lo	+7.600000	+7.600894	+0.89401	200.00000	P
11	2	Clamp Lo	-1.600000	-1.594409	+5.59135	200.00000	P
11	2	Clamp Lo	+1.000000	+0.996303	-3.69695	200.00000	P
11	2	Clamp Lo	+3.000000	+2.999280	-0.72015	200.00000	P
11	2	Clamp Lo	+4.800000	+4.801131	+1.13149	200.00000	P
11	2	Clamp Lo	+7.600000	+7.603155	+3.15453	200.00000	P
12	2	Clamp Lo	-1.600000	-1.596060	+3.93981	200.00000	P
12	2	Clamp Lo	+1.000000	+0.996136	-3.86434	200.00000	P
12	2	Clamp Lo	+3.000000	+2.997533	-2.46708	200.00000	P
12	2	Clamp Lo	+4.800000	+4.799313	-0.68684	200.00000	P
12	2	Clamp Lo	+7.600000	+7.595311	-4.68884	200.00000	P
13	2	Clamp Lo	-1.600000	-1.600152	-0.15198	200.00000	P
13	2	Clamp Lo	+1.000000	+0.995256	-4.74381	200.00000	P
13	2	Clamp Lo	+3.000000	+2.996962	-3.03801	200.00000	P
13	2	Clamp Lo	+4.800000	+4.798146	-1.85371	200.00000	P
13	2	Clamp Lo	+7.600000	+7.594263	-5.73720	200.00000	P
14	2	Clamp Lo	-1.600000	-1.600168	-0.16845	200.00000	P
14	2	Clamp Lo	+1.000000	+0.995506	-4.49405	200.00000	P
14	2	Clamp Lo	+3.000000	+2.997633	-2.36749	200.00000	P
14	2	Clamp Lo	+4.800000	+4.799873	-0.12668	200.00000	P
14	2	Clamp Lo	+7.600000	+7.597235	-2.76460	200.00000	P

15	2	Clamp Lo	-1.600000	-1.597821	+2.17911	200.00000	P
15	2	Clamp Lo	+1.000000	+0.995886	-4.11432	200.00000	P
15	2	Clamp Lo	+3.000000	+2.996828	-3.17188	200.00000	P
15	2	Clamp Lo	+4.800000	+4.799550	-0.44986	200.00000	P
15	2	Clamp Lo	+7.600000	+7.594463	-5.53722	200.00000	P

VENUS PPVI COMP DACS Section:

Pin	VRng	DAC	Force (V)	DAC (V)	Error(mV)	Limit(mV)	P/F
0	2	Comp A	-1.600000	-1.593555	+6.44531	50.00000	P
0	2	Comp A	+1.000000	+0.998242	-1.75781	50.00000	P
0	2	Comp A	+3.000000	+2.995898	-4.10156	50.00000	P
0	2	Comp A	+4.800000	+4.797070	-2.92969	50.00000	P
0	2	Comp A	+7.600000	+7.601758	+1.75781	50.00000	P
1	2	Comp A	-1.600000	-1.595898	+4.10156	50.00000	P
1	2	Comp A	+1.000000	+0.998242	-1.75781	50.00000	P
1	2	Comp A	+3.000000	+2.995898	-4.10156	50.00000	P
1	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
1	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
2	2	Comp A	-1.600000	-1.600586	-0.58594	50.00000	P
2	2	Comp A	+1.000000	+0.999414	-0.58594	50.00000	P
2	2	Comp A	+3.000000	+2.997070	-2.92969	50.00000	P
2	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
2	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
3	2	Comp A	-1.600000	-1.599414	+0.58594	50.00000	P
3	2	Comp A	+1.000000	+0.994727	-5.27344	50.00000	P
3	2	Comp A	+3.000000	+2.995898	-4.10156	50.00000	P
3	2	Comp A	+4.800000	+4.797070	-2.92969	50.00000	P
3	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
4	2	Comp A	-1.600000	-1.598242	+1.75781	50.00000	P
4	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
4	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
4	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
4	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
5	2	Comp A	-1.600000	-1.600586	-0.58594	50.00000	P
5	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
5	2	Comp A	+3.000000	+2.995898	-4.10156	50.00000	P
5	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
5	2	Comp A	+7.600000	+7.607617	+7.61719	50.00000	P
6	2	Comp A	-1.600000	-1.594727	+5.27344	50.00000	P
6	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
6	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
6	2	Comp A	+4.800000	+4.800586	+0.58594	50.00000	P
6	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P

7	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
7	2	Comp A	+1.000000	+0.999414	-0.58594	50.00000	P
7	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
7	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
7	2	Comp A	+7.600000	+7.604102	+4.10156	50.00000	P
8	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
8	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
8	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
8	2	Comp A	+4.800000	+4.800586	+0.58594	50.00000	P
8	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
9	2	Comp A	-1.600000	-1.593555	+6.44531	50.00000	P
9	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
9	2	Comp A	+3.000000	+2.995898	-4.10156	50.00000	P
9	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
9	2	Comp A	+7.600000	+7.604102	+4.10156	50.00000	P
10	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
10	2	Comp A	+1.000000	+0.998242	-1.75781	50.00000	P
10	2	Comp A	+3.000000	+2.997070	-2.92969	50.00000	P
10	2	Comp A	+4.800000	+4.800586	+0.58594	50.00000	P
10	2	Comp A	+7.600000	+7.604102	+4.10156	50.00000	P
11	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
11	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
11	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
11	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
11	2	Comp A	+7.600000	+7.604102	+4.10156	50.00000	P
12	2	Comp A	-1.600000	-1.598242	+1.75781	50.00000	P
12	2	Comp A	+1.000000	+0.994727	-5.27344	50.00000	P
12	2	Comp A	+3.000000	+2.994727	-5.27344	50.00000	P
12	2	Comp A	+4.800000	+4.795898	-4.10156	50.00000	P
12	2	Comp A	+7.600000	+7.599414	-0.58594	50.00000	P
13	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
13	2	Comp A	+1.000000	+0.998242	-1.75781	50.00000	P
13	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
13	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
13	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
14	2	Comp A	-1.600000	-1.593555	+6.44531	50.00000	P
14	2	Comp A	+1.000000	+1.004102	+4.10156	50.00000	P
14	2	Comp A	+3.000000	+3.000586	+0.58594	50.00000	P
14	2	Comp A	+4.800000	+4.802930	+2.92969	50.00000	P
14	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
15	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
15	2	Comp A	+1.000000	+0.997070	-2.92969	50.00000	P
15	2	Comp A	+3.000000	+2.994727	-5.27344	50.00000	P
15	2	Comp A	+4.800000	+4.794727	-5.27344	50.00000	P

15	2	Comp A	+7.600000	+7.599414	-0.58594	50.00000	P
0	2	Comp B	-1.600000	-1.595898	+4.10156	50.00000	P
0	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
0	2	Comp B	+3.000000	+2.994727	-5.27344	50.00000	P
0	2	Comp B	+4.800000	+4.797070	-2.92969	50.00000	P
0	2	Comp B	+7.600000	+7.601758	+1.75781	50.00000	P
1	2	Comp B	-1.600000	-1.593555	+6.44531	50.00000	P
1	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
1	2	Comp B	+3.000000	+3.000586	+0.58594	50.00000	P
1	2	Comp B	+4.800000	+4.802930	+2.92969	50.00000	P
1	2	Comp B	+7.600000	+7.609961	+9.96094	50.00000	P
2	2	Comp B	-1.600000	-1.600586	-0.58594	50.00000	P
2	2	Comp B	+1.000000	+0.997070	-2.92969	50.00000	P
2	2	Comp B	+3.000000	+2.994727	-5.27344	50.00000	P
2	2	Comp B	+4.800000	+4.797070	-2.92969	50.00000	P
2	2	Comp B	+7.600000	+7.604102	+4.10156	50.00000	P
3	2	Comp B	-1.600000	-1.595898	+4.10156	50.00000	P
3	2	Comp B	+1.000000	+0.999414	-0.58594	50.00000	P
3	2	Comp B	+3.000000	+2.995898	-4.10156	50.00000	P
3	2	Comp B	+4.800000	+4.798242	-1.75781	50.00000	P
3	2	Comp B	+7.600000	+7.605273	+5.27344	50.00000	P
4	2	Comp B	-1.600000	-1.597070	+2.92969	50.00000	P
4	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
4	2	Comp B	+3.000000	+2.997070	-2.92969	50.00000	P
4	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
4	2	Comp B	+7.600000	+7.601758	+1.75781	50.00000	P
5	2	Comp B	-1.600000	-1.600586	-0.58594	50.00000	P
5	2	Comp B	+1.000000	+0.998242	-1.75781	50.00000	P
5	2	Comp B	+3.000000	+2.995898	-4.10156	50.00000	P
5	2	Comp B	+4.800000	+4.798242	-1.75781	50.00000	P
5	2	Comp B	+7.600000	+7.605273	+5.27344	50.00000	P
6	2	Comp B	-1.600000	-1.597070	+2.92969	50.00000	P
6	2	Comp B	+1.000000	+0.997070	-2.92969	50.00000	P
6	2	Comp B	+3.000000	+2.994727	-5.27344	50.00000	P
6	2	Comp B	+4.800000	+4.797070	-2.92969	50.00000	P
6	2	Comp B	+7.600000	+7.601758	+1.75781	50.00000	P
7	2	Comp B	-1.600000	-1.597070	+2.92969	50.00000	P
7	2	Comp B	+1.000000	+0.998242	-1.75781	50.00000	P
7	2	Comp B	+3.000000	+2.995898	-4.10156	50.00000	P
7	2	Comp B	+4.800000	+4.797070	-2.92969	50.00000	P
7	2	Comp B	+7.600000	+7.601758	+1.75781	50.00000	P
8	2	Comp B	-1.600000	-1.597070	+2.92969	50.00000	P
8	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
8	2	Comp B	+3.000000	+2.998242	-1.75781	50.00000	P

8	2	Comp B	+4.800000	+4.800586	+0.58594	50.00000	P
8	2	Comp B	+7.600000	+7.607617	+7.61719	50.00000	P
9	2	Comp B	-1.600000	-1.594727	+5.27344	50.00000	P
9	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
9	2	Comp B	+3.000000	+2.998242	-1.75781	50.00000	P
9	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
9	2	Comp B	+7.600000	+7.604102	+4.10156	50.00000	P
10	2	Comp B	-1.600000	-1.594727	+5.27344	50.00000	P
10	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
10	2	Comp B	+3.000000	+2.998242	-1.75781	50.00000	P
10	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
10	2	Comp B	+7.600000	+7.601758	+1.75781	50.00000	P
11	2	Comp B	-1.600000	-1.595898	+4.10156	50.00000	P
11	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
11	2	Comp B	+3.000000	+3.000586	+0.58594	50.00000	P
11	2	Comp B	+4.800000	+4.800586	+0.58594	50.00000	P
11	2	Comp B	+7.600000	+7.605273	+5.27344	50.00000	P
12	2	Comp B	-1.600000	-1.597070	+2.92969	50.00000	P
12	2	Comp B	+1.000000	+0.998242	-1.75781	50.00000	P
12	2	Comp B	+3.000000	+2.995898	-4.10156	50.00000	P
12	2	Comp B	+4.800000	+4.798242	-1.75781	50.00000	P
12	2	Comp B	+7.600000	+7.601758	+1.75781	50.00000	P
13	2	Comp B	-1.600000	-1.594727	+5.27344	50.00000	P
13	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
13	2	Comp B	+3.000000	+2.998242	-1.75781	50.00000	P
13	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
13	2	Comp B	+7.600000	+7.599414	-0.58594	50.00000	P
14	2	Comp B	-1.600000	-1.594727	+5.27344	50.00000	P
14	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
14	2	Comp B	+3.000000	+3.000586	+0.58594	50.00000	P
14	2	Comp B	+4.800000	+4.802930	+2.92969	50.00000	P
14	2	Comp B	+7.600000	+7.611133	+11.13281	50.00000	P
15	2	Comp B	-1.600000	-1.601758	-1.75781	50.00000	P
15	2	Comp B	+1.000000	+0.992383	-7.61719	50.00000	P
15	2	Comp B	+3.000000	+2.992383	-7.61719	50.00000	P
15	2	Comp B	+4.800000	+4.797070	-2.92969	50.00000	P
15	2	Comp B	+7.600000	+7.599414	-0.58594	50.00000	P

VENUS DRV LEVEL Section:

Pin	VRng	DAC	Force (V)	MV (V)	Error(mV)	Limit(mV)	P/F
0	1	DRV Hi	-0.600000	-0.600243	-0.24294	25.00000	P
0	1	DRV Hi	+1.200000	+1.199130	-0.87016	25.00000	P
0	1	DRV Hi	+3.000000	+3.000484	+0.48355	25.00000	P

0	1	DRV Hi	+4.800000	+4.800917	+0.91673	25.00000	P
0	1	DRV Hi	+6.600000	+6.600432	+0.43241	25.00000	P
1	1	DRV Hi	-0.600000	-0.599335	+0.66522	25.00000	P
1	1	DRV Hi	+1.200000	+1.199521	-0.47882	25.00000	P
1	1	DRV Hi	+3.000000	+3.000028	+0.02827	25.00000	P
1	1	DRV Hi	+4.800000	+4.799854	-0.14568	25.00000	P
1	1	DRV Hi	+6.600000	+6.598192	-1.80847	25.00000	P
2	1	DRV Hi	-0.600000	-0.599297	+0.70294	25.00000	P
2	1	DRV Hi	+1.200000	+1.199166	-0.83374	25.00000	P
2	1	DRV Hi	+3.000000	+2.999891	-0.10880	25.00000	P
2	1	DRV Hi	+4.800000	+4.799244	-0.75551	25.00000	P
2	1	DRV Hi	+6.600000	+6.598093	-1.90678	25.00000	P
3	1	DRV Hi	-0.600000	-0.599558	+0.44230	25.00000	P
3	1	DRV Hi	+1.200000	+1.200360	+0.36039	25.00000	P
3	1	DRV Hi	+3.000000	+3.000663	+0.66303	25.00000	P
3	1	DRV Hi	+4.800000	+4.801297	+1.29709	25.00000	P
3	1	DRV Hi	+6.600000	+6.599275	-0.72545	25.00000	P
4	1	DRV Hi	-0.600000	-0.599752	+0.24843	25.00000	P
4	1	DRV Hi	+1.200000	+1.199811	-0.18931	25.00000	P
4	1	DRV Hi	+3.000000	+3.000127	+0.12699	25.00000	P
4	1	DRV Hi	+4.800000	+4.800118	+0.11759	25.00000	P
4	1	DRV Hi	+6.600000	+6.600811	+0.81090	25.00000	P
5	1	DRV Hi	-0.600000	-0.600060	-0.06009	25.00000	P
5	1	DRV Hi	+1.200000	+1.199242	-0.75811	25.00000	P
5	1	DRV Hi	+3.000000	+3.000811	+0.81085	25.00000	P
5	1	DRV Hi	+4.800000	+4.800637	+0.63719	25.00000	P
5	1	DRV Hi	+6.600000	+6.601288	+1.28795	25.00000	P
6	1	DRV Hi	-0.600000	-0.600174	-0.17432	25.00000	P
6	1	DRV Hi	+1.200000	+1.198188	-1.81162	25.00000	P
6	1	DRV Hi	+3.000000	+2.999659	-0.34092	25.00000	P
6	1	DRV Hi	+4.800000	+4.800727	+0.72691	25.00000	P
6	1	DRV Hi	+6.600000	+6.599042	-0.95781	25.00000	P
7	1	DRV Hi	-0.600000	-0.600616	-0.61619	25.00000	P
7	1	DRV Hi	+1.200000	+1.199214	-0.78631	25.00000	P
7	1	DRV Hi	+3.000000	+2.999460	-0.54012	25.00000	P
7	1	DRV Hi	+4.800000	+4.801406	+1.40605	25.00000	P
7	1	DRV Hi	+6.600000	+6.598533	-1.46743	25.00000	P
8	1	DRV Hi	-0.600000	-0.601315	-1.31505	25.00000	P
8	1	DRV Hi	+1.200000	+1.199593	-0.40742	25.00000	P
8	1	DRV Hi	+3.000000	+3.001482	+1.48183	25.00000	P
8	1	DRV Hi	+4.800000	+4.799352	-0.64827	25.00000	P
8	1	DRV Hi	+6.600000	+6.599139	-0.86134	25.00000	P
9	1	DRV Hi	-0.600000	-0.600289	-0.28914	25.00000	P
9	1	DRV Hi	+1.200000	+1.199578	-0.42155	25.00000	P

9	1	DRV Hi	+3.000000	+3.002597	+2.59710	25.00000	P
9	1	DRV Hi	+4.800000	+4.800881	+0.88094	25.00000	P
9	1	DRV Hi	+6.600000	+6.600919	+0.91853	25.00000	P
10	1	DRV Hi	-0.600000	-0.599786	+0.21368	25.00000	P
10	1	DRV Hi	+1.200000	+1.198983	-1.01705	25.00000	P
10	1	DRV Hi	+3.000000	+2.999192	-0.80802	25.00000	P
10	1	DRV Hi	+4.800000	+4.800422	+0.42151	25.00000	P
10	1	DRV Hi	+6.600000	+6.599511	-0.48888	25.00000	P
11	1	DRV Hi	-0.600000	-0.599899	+0.10123	25.00000	P
11	1	DRV Hi	+1.200000	+1.199633	-0.36714	25.00000	P
11	1	DRV Hi	+3.000000	+2.999367	-0.63261	25.00000	P
11	1	DRV Hi	+4.800000	+4.801365	+1.36475	25.00000	P
11	1	DRV Hi	+6.600000	+6.601052	+1.05208	25.00000	P
12	1	DRV Hi	-0.600000	-0.599852	+0.14836	25.00000	P
12	1	DRV Hi	+1.200000	+1.200249	+0.24883	25.00000	P
12	1	DRV Hi	+3.000000	+3.000553	+0.55282	25.00000	P
12	1	DRV Hi	+4.800000	+4.800183	+0.18275	25.00000	P
12	1	DRV Hi	+6.600000	+6.599524	-0.47611	25.00000	P
13	1	DRV Hi	-0.600000	-0.600001	-0.00091	25.00000	P
13	1	DRV Hi	+1.200000	+1.200101	+0.10109	25.00000	P
13	1	DRV Hi	+3.000000	+3.000755	+0.75494	25.00000	P
13	1	DRV Hi	+4.800000	+4.800263	+0.26288	25.00000	P
13	1	DRV Hi	+6.600000	+6.599842	-0.15778	25.00000	P
14	1	DRV Hi	-0.600000	-0.599794	+0.20634	25.00000	P
14	1	DRV Hi	+1.200000	+1.200416	+0.41575	25.00000	P
14	1	DRV Hi	+3.000000	+3.000852	+0.85233	25.00000	P
14	1	DRV Hi	+4.800000	+4.801027	+1.02699	25.00000	P
14	1	DRV Hi	+6.600000	+6.598579	-1.42128	25.00000	P
15	1	DRV Hi	-0.600000	-0.600626	-0.62643	25.00000	P
15	1	DRV Hi	+1.200000	+1.199180	-0.82049	25.00000	P
15	1	DRV Hi	+3.000000	+3.000083	+0.08285	25.00000	P
15	1	DRV Hi	+4.800000	+4.799640	-0.35974	25.00000	P
15	1	DRV Hi	+6.600000	+6.598297	-1.70299	25.00000	P
0	1	DRV Lo	-0.600000	-0.598865	+1.13549	25.00000	P
0	1	DRV Lo	+1.200000	+1.200051	+0.05147	25.00000	P
0	1	DRV Lo	+3.000000	+3.001355	+1.35459	25.00000	P
0	1	DRV Lo	+4.800000	+4.801384	+1.38399	25.00000	P
0	1	DRV Lo	+6.600000	+6.600269	+0.26896	25.00000	P
1	1	DRV Lo	-0.600000	-0.599411	+0.58907	25.00000	P
1	1	DRV Lo	+1.200000	+1.199325	-0.67469	25.00000	P
1	1	DRV Lo	+3.000000	+3.000263	+0.26343	25.00000	P
1	1	DRV Lo	+4.800000	+4.800133	+0.13255	25.00000	P
1	1	DRV Lo	+6.600000	+6.599442	-0.55784	25.00000	P
2	1	DRV Lo	-0.600000	-0.600397	-0.39699	25.00000	P

2	1	DRV Lo	+1.200000	+1.198828	-1.17197	25.00000	P
2	1	DRV Lo	+3.000000	+2.999872	-0.12813	25.00000	P
2	1	DRV Lo	+4.800000	+4.800611	+0.61067	25.00000	P
2	1	DRV Lo	+6.600000	+6.598655	-1.34509	25.00000	P
3	1	DRV Lo	-0.600000	-0.599675	+0.32498	25.00000	P
3	1	DRV Lo	+1.200000	+1.200141	+0.14130	25.00000	P
3	1	DRV Lo	+3.000000	+3.000509	+0.50887	25.00000	P
3	1	DRV Lo	+4.800000	+4.800943	+0.94306	25.00000	P
3	1	DRV Lo	+6.600000	+6.599608	-0.39208	25.00000	P
4	1	DRV Lo	-0.600000	-0.598725	+1.27452	25.00000	P
4	1	DRV Lo	+1.200000	+1.200238	+0.23842	25.00000	P
4	1	DRV Lo	+3.000000	+3.000611	+0.61066	25.00000	P
4	1	DRV Lo	+4.800000	+4.800573	+0.57256	25.00000	P
4	1	DRV Lo	+6.600000	+6.599476	-0.52373	25.00000	P
5	1	DRV Lo	-0.600000	-0.599027	+0.97342	25.00000	P
5	1	DRV Lo	+1.200000	+1.199728	-0.27231	25.00000	P
5	1	DRV Lo	+3.000000	+3.000445	+0.44522	25.00000	P
5	1	DRV Lo	+4.800000	+4.800163	+0.16258	25.00000	P
5	1	DRV Lo	+6.600000	+6.599340	-0.66048	25.00000	P
6	1	DRV Lo	-0.600000	-0.599057	+0.94302	25.00000	P
6	1	DRV Lo	+1.200000	+1.199078	-0.92247	25.00000	P
6	1	DRV Lo	+3.000000	+3.000521	+0.52112	25.00000	P
6	1	DRV Lo	+4.800000	+4.801307	+1.30654	25.00000	P
6	1	DRV Lo	+6.600000	+6.599819	-0.18124	25.00000	P
7	1	DRV Lo	-0.600000	-0.600919	-0.91921	25.00000	P
7	1	DRV Lo	+1.200000	+1.199433	-0.56740	25.00000	P
7	1	DRV Lo	+3.000000	+2.999045	-0.95484	25.00000	P
7	1	DRV Lo	+4.800000	+4.799529	-0.47115	25.00000	P
7	1	DRV Lo	+6.600000	+6.598840	-1.16015	25.00000	P
8	1	DRV Lo	-0.600000	-0.599483	+0.51669	25.00000	P
8	1	DRV Lo	+1.200000	+1.199976	-0.02392	25.00000	P
8	1	DRV Lo	+3.000000	+3.002292	+2.29203	25.00000	P
8	1	DRV Lo	+4.800000	+4.800648	+0.64849	25.00000	P
8	1	DRV Lo	+6.600000	+6.600814	+0.81393	25.00000	P
9	1	DRV Lo	-0.600000	-0.600025	-0.02482	25.00000	P
9	1	DRV Lo	+1.200000	+1.199652	-0.34841	25.00000	P
9	1	DRV Lo	+3.000000	+3.002182	+2.18187	25.00000	P
9	1	DRV Lo	+4.800000	+4.800444	+0.44405	25.00000	P
9	1	DRV Lo	+6.600000	+6.600452	+0.45183	25.00000	P
10	1	DRV Lo	-0.600000	-0.601049	-1.04893	25.00000	P
10	1	DRV Lo	+1.200000	+1.199110	-0.89015	25.00000	P
10	1	DRV Lo	+3.000000	+2.999507	-0.49316	25.00000	P
10	1	DRV Lo	+4.800000	+4.800814	+0.81436	25.00000	P
10	1	DRV Lo	+6.600000	+6.600217	+0.21725	25.00000	P

11	1	DRV Lo	-0.600000	-0.599015	+0.98490	25.00000	P
11	1	DRV Lo	+1.200000	+1.199852	-0.14793	25.00000	P
11	1	DRV Lo	+3.000000	+2.999419	-0.58115	25.00000	P
11	1	DRV Lo	+4.800000	+4.801708	+1.70816	25.00000	P
11	1	DRV Lo	+6.600000	+6.600931	+0.93080	25.00000	P
12	1	DRV Lo	-0.600000	-0.599214	+0.78568	25.00000	P
12	1	DRV Lo	+1.200000	+1.200363	+0.36257	25.00000	P
12	1	DRV Lo	+3.000000	+3.000691	+0.69052	25.00000	P
12	1	DRV Lo	+4.800000	+4.800351	+0.35147	25.00000	P
12	1	DRV Lo	+6.600000	+6.600312	+0.31156	25.00000	P
13	1	DRV Lo	-0.600000	-0.599078	+0.92180	25.00000	P
13	1	DRV Lo	+1.200000	+1.200701	+0.70123	25.00000	P
13	1	DRV Lo	+3.000000	+3.001295	+1.29499	25.00000	P
13	1	DRV Lo	+4.800000	+4.800957	+0.95704	25.00000	P
13	1	DRV Lo	+6.600000	+6.600666	+0.66641	25.00000	P
14	1	DRV Lo	-0.600000	-0.600217	-0.21713	25.00000	P
14	1	DRV Lo	+1.200000	+1.200270	+0.26953	25.00000	P
14	1	DRV Lo	+3.000000	+3.000984	+0.98372	25.00000	P
14	1	DRV Lo	+4.800000	+4.801344	+1.34434	25.00000	P
14	1	DRV Lo	+6.600000	+6.600344	+0.34366	25.00000	P
15	1	DRV Lo	-0.600000	-0.601106	-1.10564	25.00000	P
15	1	DRV Lo	+1.200000	+1.199301	-0.69914	25.00000	P
15	1	DRV Lo	+3.000000	+3.000642	+0.64157	25.00000	P
15	1	DRV Lo	+4.800000	+4.799936	-0.06354	25.00000	P
15	1	DRV Lo	+6.600000	+6.599871	-0.12919	25.00000	P
0	1	VTT	-0.600000	-0.599697	+0.30313	25.00000	P
0	1	VTT	+1.200000	+1.199615	-0.38515	25.00000	P
0	1	VTT	+3.000000	+3.000095	+0.09522	25.00000	P
0	1	VTT	+4.800000	+4.800187	+0.18701	25.00000	P
0	1	VTT	+6.600000	+6.599117	-0.88302	25.00000	P
1	1	VTT	-0.600000	-0.599880	+0.11996	25.00000	P
1	1	VTT	+1.200000	+1.199345	-0.65462	25.00000	P
1	1	VTT	+3.000000	+3.000190	+0.18959	25.00000	P
1	1	VTT	+4.800000	+4.800035	+0.03461	25.00000	P
1	1	VTT	+6.600000	+6.599162	-0.83801	25.00000	P
2	1	VTT	-0.600000	-0.597779	+2.22086	25.00000	P
2	1	VTT	+1.200000	+1.201446	+1.44563	25.00000	P
2	1	VTT	+3.000000	+3.001591	+1.59088	25.00000	P
2	1	VTT	+4.800000	+4.800114	+0.11378	25.00000	P
2	1	VTT	+6.600000	+6.597164	-2.83626	25.00000	P
3	1	VTT	-0.600000	-0.598226	+1.77371	25.00000	P
3	1	VTT	+1.200000	+1.200731	+0.73108	25.00000	P
3	1	VTT	+3.000000	+3.000129	+0.12894	25.00000	P
3	1	VTT	+4.800000	+4.800823	+0.82270	25.00000	P

3	1	VTT	+6.600000	+6.598431	-1.56872	25.00000	P
4	1	VTT	-0.600000	-0.599230	+0.76992	25.00000	P
4	1	VTT	+1.200000	+1.200351	+0.35067	25.00000	P
4	1	VTT	+3.000000	+2.999847	-0.15322	25.00000	P
4	1	VTT	+4.800000	+4.800010	+0.01020	25.00000	P
4	1	VTT	+6.600000	+6.599804	-0.19634	25.00000	P
5	1	VTT	-0.600000	-0.599927	+0.07346	25.00000	P
5	1	VTT	+1.200000	+1.199716	-0.28411	25.00000	P
5	1	VTT	+3.000000	+2.999807	-0.19310	25.00000	P
5	1	VTT	+4.800000	+4.800237	+0.23738	25.00000	P
5	1	VTT	+6.600000	+6.599847	-0.15339	25.00000	P
6	1	VTT	-0.600000	-0.600057	-0.05664	25.00000	P
6	1	VTT	+1.200000	+1.199800	-0.20012	25.00000	P
6	1	VTT	+3.000000	+3.000073	+0.07253	25.00000	P
6	1	VTT	+4.800000	+4.799737	-0.26302	25.00000	P
6	1	VTT	+6.600000	+6.598924	-1.07561	25.00000	P
7	1	VTT	-0.600000	-0.599141	+0.85868	25.00000	P
7	1	VTT	+1.200000	+1.200087	+0.08726	25.00000	P
7	1	VTT	+3.000000	+3.001198	+1.19803	25.00000	P
7	1	VTT	+4.800000	+4.801354	+1.35415	25.00000	P
7	1	VTT	+6.600000	+6.598568	-1.43242	25.00000	P
8	1	VTT	-0.600000	-0.599928	+0.07211	25.00000	P
8	1	VTT	+1.200000	+1.199814	-0.18586	25.00000	P
8	1	VTT	+3.000000	+3.002472	+2.47173	25.00000	P
8	1	VTT	+4.800000	+4.800640	+0.64033	25.00000	P
8	1	VTT	+6.600000	+6.599981	-0.01914	25.00000	P
9	1	VTT	-0.600000	-0.598909	+1.09089	25.00000	P
9	1	VTT	+1.200000	+1.200584	+0.58426	25.00000	P
9	1	VTT	+3.000000	+3.002662	+2.66245	25.00000	P
9	1	VTT	+4.800000	+4.800162	+0.16159	25.00000	P
9	1	VTT	+6.600000	+6.599788	-0.21154	25.00000	P
10	1	VTT	-0.600000	-0.599865	+0.13497	25.00000	P
10	1	VTT	+1.200000	+1.199001	-0.99904	25.00000	P
10	1	VTT	+3.000000	+2.999274	-0.72566	25.00000	P
10	1	VTT	+4.800000	+4.800246	+0.24595	25.00000	P
10	1	VTT	+6.600000	+6.600036	+0.03609	25.00000	P
11	1	VTT	-0.600000	-0.599637	+0.36314	25.00000	P
11	1	VTT	+1.200000	+1.199445	-0.55534	25.00000	P
11	1	VTT	+3.000000	+2.998638	-1.36202	25.00000	P
11	1	VTT	+4.800000	+4.800598	+0.59811	25.00000	P
11	1	VTT	+6.600000	+6.599515	-0.48509	25.00000	P
12	1	VTT	-0.600000	-0.599566	+0.43436	25.00000	P
12	1	VTT	+1.200000	+1.200637	+0.63750	25.00000	P
12	1	VTT	+3.000000	+3.000991	+0.99050	25.00000	P

12	1	VTT	+4.800000	+4.800188	+0.18786	25.00000	P
12	1	VTT	+6.600000	+6.600486	+0.48588	25.00000	P
13	1	VTT	-0.600000	-0.598871	+1.12906	25.00000	P
13	1	VTT	+1.200000	+1.200716	+0.71570	25.00000	P
13	1	VTT	+3.000000	+3.001149	+1.14891	25.00000	P
13	1	VTT	+4.800000	+4.800123	+0.12276	25.00000	P
13	1	VTT	+6.600000	+6.599159	-0.84063	25.00000	P
14	1	VTT	-0.600000	-0.598957	+1.04305	25.00000	P
14	1	VTT	+1.200000	+1.200600	+0.60038	25.00000	P
14	1	VTT	+3.000000	+3.000443	+0.44261	25.00000	P
14	1	VTT	+4.800000	+4.799233	-0.76713	25.00000	P
14	1	VTT	+6.600000	+6.597053	-2.94703	25.00000	P
15	1	VTT	-0.600000	-0.600989	-0.98878	25.00000	P
15	1	VTT	+1.200000	+1.199058	-0.94196	25.00000	P
15	1	VTT	+3.000000	+3.000930	+0.93012	25.00000	P
15	1	VTT	+4.800000	+4.801173	+1.17332	25.00000	P
15	1	VTT	+6.600000	+6.600038	+0.03788	25.00000	P

VENUS RCV LEVEL Section:

Pin	VRng	DAC	Force (V)	DAC (V)	Error(mV)	Limit(mV)	P/F
0	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
0	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
0	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
0	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
0	1	RV Cmp L	+6.600000	+6.600781	+0.78125	25.00000	P
1	1	RV Cmp L	-0.600000	-0.600781	-0.78125	25.00000	P
1	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
1	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
1	1	RV Cmp L	+4.800000	+4.802344	+2.34375	25.00000	P
1	1	RV Cmp L	+6.600000	+6.602344	+2.34375	25.00000	P
2	1	RV Cmp L	-0.600000	-0.600781	-0.78125	25.00000	P
2	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
2	1	RV Cmp L	+3.000000	+3.000781	+0.78125	25.00000	P
2	1	RV Cmp L	+4.800000	+4.802344	+2.34375	25.00000	P
2	1	RV Cmp L	+6.600000	+6.603906	+3.90625	25.00000	P
3	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
3	1	RV Cmp L	+1.200000	+1.203906	+3.90625	25.00000	P
3	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
3	1	RV Cmp L	+4.800000	+4.802344	+2.34375	25.00000	P
3	1	RV Cmp L	+6.600000	+6.600781	+0.78125	25.00000	P
4	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
4	1	RV Cmp L	+1.200000	+1.199219	-0.78125	25.00000	P
4	1	RV Cmp L	+3.000000	+3.000781	+0.78125	25.00000	P

4	1	RV Cmp L	+4.800000	+4.802344	+2.34375	25.00000	P
4	1	RV Cmp L	+6.600000	+6.603906	+3.90625	25.00000	P
5	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
5	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
5	1	RV Cmp L	+3.000000	+3.000781	+0.78125	25.00000	P
5	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
5	1	RV Cmp L	+6.600000	+6.603906	+3.90625	25.00000	P
6	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
6	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
6	1	RV Cmp L	+3.000000	+3.000781	+0.78125	25.00000	P
6	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
6	1	RV Cmp L	+6.600000	+6.600781	+0.78125	25.00000	P
7	1	RV Cmp L	-0.600000	-0.596094	+3.90625	25.00000	P
7	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
7	1	RV Cmp L	+3.000000	+3.000781	+0.78125	25.00000	P
7	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
7	1	RV Cmp L	+6.600000	+6.599219	-0.78125	25.00000	P
8	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
8	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
8	1	RV Cmp L	+3.000000	+3.003906	+3.90625	25.00000	P
8	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
8	1	RV Cmp L	+6.600000	+6.592969	-7.03125	25.00000	P
9	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
9	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
9	1	RV Cmp L	+3.000000	+2.999219	-0.78125	25.00000	P
9	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
9	1	RV Cmp L	+6.600000	+6.603906	+3.90625	25.00000	P
10	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
10	1	RV Cmp L	+1.200000	+1.199219	-0.78125	25.00000	P
10	1	RV Cmp L	+3.000000	+2.997656	-2.34375	25.00000	P
10	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
10	1	RV Cmp L	+6.600000	+6.602344	+2.34375	25.00000	P
11	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
11	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
11	1	RV Cmp L	+3.000000	+3.000781	+0.78125	25.00000	P
11	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
11	1	RV Cmp L	+6.600000	+6.599219	-0.78125	25.00000	P
12	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
12	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
12	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
12	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
12	1	RV Cmp L	+6.600000	+6.596094	-3.90625	25.00000	P
13	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
13	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P

13	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
13	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
13	1	RV Cmp L	+6.600000	+6.607031	+7.03125	25.00000	P
14	1	RV Cmp L	-0.600000	-0.596094	+3.90625	25.00000	P
14	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
14	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
14	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
14	1	RV Cmp L	+6.600000	+6.596094	-3.90625	25.00000	P
15	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
15	1	RV Cmp L	+1.200000	+1.202344	+2.34375	25.00000	P
15	1	RV Cmp L	+3.000000	+2.999219	-0.78125	25.00000	P
15	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
15	1	RV Cmp L	+6.600000	+6.603906	+3.90625	25.00000	P
0	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P
0	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
0	1	RV Cmp H	+3.000000	+2.999219	-0.78125	25.00000	P
0	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
0	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P
1	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
1	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
1	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
1	1	RV Cmp H	+4.800000	+4.800781	+0.78125	25.00000	P
1	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P
2	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
2	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
2	1	RV Cmp H	+3.000000	+2.999219	-0.78125	25.00000	P
2	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
2	1	RV Cmp H	+6.600000	+6.603906	+3.90625	25.00000	P
3	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P
3	1	RV Cmp H	+1.200000	+1.197656	-2.34375	25.00000	P
3	1	RV Cmp H	+3.000000	+2.997656	-2.34375	25.00000	P
3	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
3	1	RV Cmp H	+6.600000	+6.599219	-0.78125	25.00000	P
4	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P
4	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
4	1	RV Cmp H	+3.000000	+2.997656	-2.34375	25.00000	P
4	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
4	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P
5	1	RV Cmp H	-0.600000	-0.600781	-0.78125	25.00000	P
5	1	RV Cmp H	+1.200000	+1.199219	-0.78125	25.00000	P
5	1	RV Cmp H	+3.000000	+2.997656	-2.34375	25.00000	P
5	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
5	1	RV Cmp H	+6.600000	+6.603906	+3.90625	25.00000	P
6	1	RV Cmp H	-0.600000	-0.600781	-0.78125	25.00000	P

6	1	RV Cmp H	+1.200000	+1.199219	-0.78125	25.00000	P
6	1	RV Cmp H	+3.000000	+2.999219	-0.78125	25.00000	P
6	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
6	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P
7	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
7	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
7	1	RV Cmp H	+3.000000	+3.000781	+0.78125	25.00000	P
7	1	RV Cmp H	+4.800000	+4.800781	+0.78125	25.00000	P
7	1	RV Cmp H	+6.600000	+6.602344	+2.34375	25.00000	P
8	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
8	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
8	1	RV Cmp H	+3.000000	+3.005469	+5.46875	25.00000	P
8	1	RV Cmp H	+4.800000	+4.800781	+0.78125	25.00000	P
8	1	RV Cmp H	+6.600000	+6.596094	-3.90625	25.00000	P
9	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P
9	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
9	1	RV Cmp H	+3.000000	+2.999219	-0.78125	25.00000	P
9	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
9	1	RV Cmp H	+6.600000	+6.605469	+5.46875	25.00000	P
10	1	RV Cmp H	-0.600000	-0.596094	+3.90625	25.00000	P
10	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
10	1	RV Cmp H	+3.000000	+2.997656	-2.34375	25.00000	P
10	1	RV Cmp H	+4.800000	+4.800781	+0.78125	25.00000	P
10	1	RV Cmp H	+6.600000	+6.603906	+3.90625	25.00000	P
11	1	RV Cmp H	-0.600000	-0.600781	-0.78125	25.00000	P
11	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
11	1	RV Cmp H	+3.000000	+3.000781	+0.78125	25.00000	P
11	1	RV Cmp H	+4.800000	+4.802344	+2.34375	25.00000	P
11	1	RV Cmp H	+6.600000	+6.602344	+2.34375	25.00000	P
12	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P
12	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
12	1	RV Cmp H	+3.000000	+3.000781	+0.78125	25.00000	P
12	1	RV Cmp H	+4.800000	+4.800781	+0.78125	25.00000	P
12	1	RV Cmp H	+6.600000	+6.596094	-3.90625	25.00000	P
13	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P
13	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
13	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
13	1	RV Cmp H	+4.800000	+4.800781	+0.78125	25.00000	P
13	1	RV Cmp H	+6.600000	+6.608594	+8.59375	25.00000	P
14	1	RV Cmp H	-0.600000	-0.596094	+3.90625	25.00000	P
14	1	RV Cmp H	+1.200000	+1.203906	+3.90625	25.00000	P
14	1	RV Cmp H	+3.000000	+3.003906	+3.90625	25.00000	P
14	1	RV Cmp H	+4.800000	+4.802344	+2.34375	25.00000	P
14	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P

15	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
15	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
15	1	RV Cmp H	+3.000000	+2.997656	-2.34375	25.00000	P
15	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
15	1	RV Cmp H	+6.600000	+6.603906	+3.90625	25.00000	P

VENUS RCV Atten Level Section:

Pin	VRng	DAC	Force (V)	DAC (V)	Error(mV)	Limit(mV)	P/F
0	1	Atten Hi	-0.969053	-0.962402	+6.65051	75.00000	P
0	1	Atten Hi	+1.016855	+1.024902	+8.04775	75.00000	P
0	1	Atten Hi	+3.002453	+3.007324	+4.87157	75.00000	P
0	1	Atten Hi	+4.987456	+4.994629	+7.17328	75.00000	P
0	1	Atten Hi	+6.971803	+6.972168	+0.36502	75.00000	P
1	1	Atten Hi	-0.968783	-0.962402	+6.38031	75.00000	P
1	1	Atten Hi	+1.016718	+1.020020	+3.30129	75.00000	P
1	1	Atten Hi	+3.002568	+3.007324	+4.75581	75.00000	P
1	1	Atten Hi	+4.987662	+4.994629	+6.96655	75.00000	P
1	1	Atten Hi	+6.973010	+6.972168	-0.84236	75.00000	P
2	1	Atten Hi	-0.957292	-0.952637	+4.65489	75.00000	P
2	1	Atten Hi	+1.026410	+1.024902	-1.50750	75.00000	P
2	1	Atten Hi	+3.013470	+3.017090	+3.62003	75.00000	P
2	1	Atten Hi	+4.998477	+4.999512	+1.03505	75.00000	P
2	1	Atten Hi	+6.982839	+6.986816	+3.97701	75.00000	P
3	1	Atten Hi	-0.950544	-0.942871	+7.67299	75.00000	P
3	1	Atten Hi	+1.031576	+1.034668	+3.09243	75.00000	P
3	1	Atten Hi	+3.016476	+3.017090	+0.61358	75.00000	P
3	1	Atten Hi	+5.001150	+5.004395	+3.24440	75.00000	P
3	1	Atten Hi	+6.984285	+6.986816	+2.53160	75.00000	P
4	1	Atten Hi	-0.960837	-0.952637	+8.19979	75.00000	P
4	1	Atten Hi	+1.024960	+1.029785	+4.82507	75.00000	P
4	1	Atten Hi	+3.012526	+3.017090	+4.56399	75.00000	P
4	1	Atten Hi	+4.998194	+4.999512	+1.31807	75.00000	P
4	1	Atten Hi	+6.983572	+6.986816	+3.24466	75.00000	P
5	1	Atten Hi	-0.956044	-0.947754	+8.28985	75.00000	P
5	1	Atten Hi	+1.028666	+1.039551	+10.88458	75.00000	P
5	1	Atten Hi	+3.014608	+3.021973	+7.36459	75.00000	P
5	1	Atten Hi	+4.998309	+5.004395	+6.08508	75.00000	P
5	1	Atten Hi	+6.983480	+6.986816	+3.33685	75.00000	P
6	1	Atten Hi	-0.959257	-0.947754	+11.50330	75.00000	P
6	1	Atten Hi	+1.026413	+1.034668	+8.25469	75.00000	P
6	1	Atten Hi	+3.013471	+3.021973	+8.50157	75.00000	P
6	1	Atten Hi	+5.000747	+5.009277	+8.53071	75.00000	P
6	1	Atten Hi	+6.986922	+6.986816	-0.10582	75.00000	P

7	1	Atten Hi	-0.968873	-0.942871	+26.00225	75.00000	P
7	1	Atten Hi	+1.016768	+1.039551	+22.78317	75.00000	P
7	1	Atten Hi	+3.003016	+3.021973	+18.95622	75.00000	P
7	1	Atten Hi	+4.991389	+5.009277	+17.88838	75.00000	P
7	1	Atten Hi	+6.975818	+6.986816	+10.99856	75.00000	P
8	1	Atten Hi	-0.951883	-0.937988	+13.89465	75.00000	P
8	1	Atten Hi	+1.034475	+1.039551	+5.07600	75.00000	P
8	1	Atten Hi	+3.020923	+3.031738	+10.81563	75.00000	P
8	1	Atten Hi	+5.003027	+5.009277	+6.25078	75.00000	P
8	1	Atten Hi	+6.989015	+6.996582	+7.56751	75.00000	P
9	1	Atten Hi	-0.965470	-0.967285	-1.81492	75.00000	P
9	1	Atten Hi	+1.022126	+1.015137	-6.98939	75.00000	P
9	1	Atten Hi	+3.009199	+3.007324	-1.87505	75.00000	P
9	1	Atten Hi	+4.992467	+4.994629	+2.16214	75.00000	P
9	1	Atten Hi	+6.979227	+6.972168	-7.05872	75.00000	P
10	1	Atten Hi	-0.959063	-0.952637	+6.42656	75.00000	P
10	1	Atten Hi	+1.025338	+1.029785	+4.44691	75.00000	P
10	1	Atten Hi	+3.010750	+3.017090	+6.33943	75.00000	P
10	1	Atten Hi	+4.995702	+4.999512	+3.80974	75.00000	P
10	1	Atten Hi	+6.980547	+6.977051	-3.49618	75.00000	P
11	1	Atten Hi	-0.962561	-0.957520	+5.04189	75.00000	P
11	1	Atten Hi	+1.020926	+1.020020	-0.90631	75.00000	P
11	1	Atten Hi	+3.005621	+3.007324	+1.70350	75.00000	P
11	1	Atten Hi	+4.991405	+4.989746	-1.65889	75.00000	P
11	1	Atten Hi	+6.975362	+6.967285	-8.07677	75.00000	P
12	1	Atten Hi	-0.952924	-0.952637	+0.28737	75.00000	P
12	1	Atten Hi	+1.031083	+1.024902	-6.18104	75.00000	P
12	1	Atten Hi	+3.016632	+3.012207	-4.42498	75.00000	P
12	1	Atten Hi	+5.000237	+4.994629	-5.60803	75.00000	P
12	1	Atten Hi	+6.984210	+6.981934	-2.27651	75.00000	P
13	1	Atten Hi	-0.957949	-0.952637	+5.31208	75.00000	P
13	1	Atten Hi	+1.026931	+1.029785	+2.85424	75.00000	P
13	1	Atten Hi	+3.012230	+3.017090	+4.86031	75.00000	P
13	1	Atten Hi	+4.995993	+4.999512	+3.51870	75.00000	P
13	1	Atten Hi	+6.980280	+6.977051	-3.22935	75.00000	P
14	1	Atten Hi	-0.952757	-0.947754	+5.00270	75.00000	P
14	1	Atten Hi	+1.030198	+1.039551	+9.35242	75.00000	P
14	1	Atten Hi	+3.015488	+3.017090	+1.60214	75.00000	P
14	1	Atten Hi	+4.999279	+4.999512	+0.23258	75.00000	P
14	1	Atten Hi	+6.983290	+6.981934	-1.35649	75.00000	P
15	1	Atten Hi	-0.965384	-0.962402	+2.98183	75.00000	P
15	1	Atten Hi	+1.019110	+1.024902	+5.79250	75.00000	P
15	1	Atten Hi	+3.006147	+3.012207	+6.06026	75.00000	P
15	1	Atten Hi	+4.990080	+4.994629	+4.54842	75.00000	P

15	1	Atten Hi	+6.976427	+6.981934	+5.50672	75.00000	P
0	1	Atten Lo	-0.969513	-0.967285	+2.22815	75.00000	P
0	1	Atten Lo	+1.016763	+1.015137	-1.62666	75.00000	P
0	1	Atten Lo	+3.002516	+3.002441	-0.07437	75.00000	P
0	1	Atten Lo	+4.987572	+4.984863	-2.70910	75.00000	P
0	1	Atten Lo	+6.972000	+6.967285	-4.71518	75.00000	P
1	1	Atten Lo	-0.968385	-0.967285	+1.09968	75.00000	P
1	1	Atten Lo	+1.016927	+1.020020	+3.09253	75.00000	P
1	1	Atten Lo	+3.002804	+3.002441	-0.36241	75.00000	P
1	1	Atten Lo	+4.987806	+4.994629	+6.82312	75.00000	P
1	1	Atten Lo	+6.972711	+6.972168	-0.54308	75.00000	P
2	1	Atten Lo	-0.957118	-0.952637	+4.48164	75.00000	P
2	1	Atten Lo	+1.027354	+1.034668	+7.31382	75.00000	P
2	1	Atten Lo	+3.013681	+3.017090	+3.40921	75.00000	P
2	1	Atten Lo	+4.999200	+4.999512	+0.31141	75.00000	P
2	1	Atten Lo	+6.982746	+6.981934	-0.81243	75.00000	P
3	1	Atten Lo	-0.950796	-0.937988	+12.80820	75.00000	P
3	1	Atten Lo	+1.032005	+1.039551	+7.54595	75.00000	P
3	1	Atten Lo	+3.016828	+3.021973	+5.14442	75.00000	P
3	1	Atten Lo	+5.001943	+5.009277	+7.33465	75.00000	P
3	1	Atten Lo	+6.985606	+6.986816	+1.21053	75.00000	P
4	1	Atten Lo	-0.960358	-0.952637	+7.72146	75.00000	P
4	1	Atten Lo	+1.024827	+1.029785	+4.95824	75.00000	P
4	1	Atten Lo	+3.011056	+3.017090	+6.03399	75.00000	P
4	1	Atten Lo	+4.997962	+5.004395	+6.43293	75.00000	P
4	1	Atten Lo	+6.983488	+6.986816	+3.32857	75.00000	P
5	1	Atten Lo	-0.955964	-0.947754	+8.20994	75.00000	P
5	1	Atten Lo	+1.029096	+1.039551	+10.45436	75.00000	P
5	1	Atten Lo	+3.014579	+3.021973	+7.39342	75.00000	P
5	1	Atten Lo	+4.999192	+5.009277	+10.08521	75.00000	P
5	1	Atten Lo	+6.983054	+6.986816	+3.76269	75.00000	P
6	1	Atten Lo	-0.958434	-0.942871	+15.56261	75.00000	P
6	1	Atten Lo	+1.026980	+1.039551	+12.57039	75.00000	P
6	1	Atten Lo	+3.013512	+3.031738	+18.22671	75.00000	P
6	1	Atten Lo	+5.000874	+5.014160	+13.28661	75.00000	P
6	1	Atten Lo	+6.986432	+6.996582	+10.14961	75.00000	P
7	1	Atten Lo	-0.967222	-0.942871	+24.35113	75.00000	P
7	1	Atten Lo	+1.016917	+1.039551	+22.63403	75.00000	P
7	1	Atten Lo	+3.003507	+3.017090	+13.58295	75.00000	P
7	1	Atten Lo	+4.990596	+5.009277	+18.68148	75.00000	P
7	1	Atten Lo	+6.975495	+6.986816	+11.32091	75.00000	P
8	1	Atten Lo	-0.951835	-0.937988	+13.84719	75.00000	P
8	1	Atten Lo	+1.034281	+1.039551	+5.27018	75.00000	P
8	1	Atten Lo	+3.020757	+3.031738	+10.98170	75.00000	P

8	1	Atten Lo	+5.003021	+5.009277	+6.25662	75.00000	P
8	1	Atten Lo	+6.988403	+6.991699	+3.29608	75.00000	P
9	1	Atten Lo	-0.966388	-0.962402	+3.98608	75.00000	P
9	1	Atten Lo	+1.022182	+1.024902	+2.72038	75.00000	P
9	1	Atten Lo	+3.009267	+3.012207	+2.93985	75.00000	P
9	1	Atten Lo	+4.993015	+4.994629	+1.61341	75.00000	P
9	1	Atten Lo	+6.978930	+6.977051	-1.87946	75.00000	P
10	1	Atten Lo	-0.959327	-0.952637	+6.69045	75.00000	P
10	1	Atten Lo	+1.025075	+1.029785	+4.71007	75.00000	P
10	1	Atten Lo	+3.010684	+3.012207	+1.52341	75.00000	P
10	1	Atten Lo	+4.995510	+4.999512	+4.00209	75.00000	P
10	1	Atten Lo	+6.979702	+6.981934	+2.23122	75.00000	P
11	1	Atten Lo	-0.963403	-0.952637	+10.76665	75.00000	P
11	1	Atten Lo	+1.020771	+1.029785	+9.01369	75.00000	P
11	1	Atten Lo	+3.005829	+3.017090	+11.26110	75.00000	P
11	1	Atten Lo	+4.991477	+4.994629	+3.15240	75.00000	P
11	1	Atten Lo	+6.975543	+6.977051	+1.50747	75.00000	P
12	1	Atten Lo	-0.952754	-0.962402	-9.64832	75.00000	P
12	1	Atten Lo	+1.031133	+1.024902	-6.23104	75.00000	P
12	1	Atten Lo	+3.016565	+3.007324	-9.24064	75.00000	P
12	1	Atten Lo	+4.999720	+4.994629	-5.09091	75.00000	P
12	1	Atten Lo	+6.983790	+6.977051	-6.73927	75.00000	P
13	1	Atten Lo	-0.957715	-0.952637	+5.07855	75.00000	P
13	1	Atten Lo	+1.026812	+1.029785	+2.97320	75.00000	P
13	1	Atten Lo	+3.012444	+3.017090	+4.64538	75.00000	P
13	1	Atten Lo	+4.995814	+4.999512	+3.69750	75.00000	P
13	1	Atten Lo	+6.980383	+6.981934	+1.55056	75.00000	P
14	1	Atten Lo	-0.953114	-0.947754	+5.36004	75.00000	P
14	1	Atten Lo	+1.030923	+1.039551	+8.62826	75.00000	P
14	1	Atten Lo	+3.015302	+3.017090	+1.78810	75.00000	P
14	1	Atten Lo	+4.998951	+5.004395	+5.44356	75.00000	P
14	1	Atten Lo	+6.982995	+6.986816	+3.82168	75.00000	P
15	1	Atten Lo	-0.965278	-0.952637	+12.64130	75.00000	P
15	1	Atten Lo	+1.019525	+1.029785	+10.26055	75.00000	P
15	1	Atten Lo	+3.006872	+3.012207	+5.33470	75.00000	P
15	1	Atten Lo	+4.990893	+4.994629	+3.73568	75.00000	P
15	1	Atten Lo	+6.976022	+6.977051	+1.02882	75.00000	P

VENUS PPVI FORCE/MEASURE I Section:

| |---------- FORCE I ----------| |---------- Measure I ----------|

Pin	IRg	Fi (mA)	DMM (mA)	Err(mA)	FI Lim(mA)	P/F	MI (mA)	Err(mA)	MI Lim(mA)	P/F

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0 0 -9.500000 -9.511275 -0.011275 0.105500 P -9.492118 0.019156 0.073511 P
0 0 -1.000000 -0.985295 +0.014705 0.097000 P -0.986689 -0.001393 0.064985 P
0 0 +10.000000 +9.991098 -0.008902 0.106000 P 9.995292 0.004195 0.073991 P
0 0 +21.000000 +21.010061 +0.010061 0.117000 P 21.007912 -0.002148 0.085010 P
0 0 +29.000000 +29.029615 +0.029615 0.125000 P 29.023687 -0.005928 0.093030 P
1 0 -9.500000 -9.512324 -0.012324 0.105500 P -9.496244 0.016081 0.073512 P
1 0 -1.000000 -0.985110 +0.014890 0.097000 P -0.983436 0.001674 0.064985 P
1 0 +10.000000 +9.990977 -0.009023 0.106000 P 9.993283 0.002306 0.073991 P
1 0 +21.000000 +20.997948 -0.002052 0.117000 P 20.995222 -0.002726 0.084998 P
1 0 +29.000000 +29.024769 +0.024769 0.125000 P 29.007152 -0.017617 0.093025 P
2 0 -9.500000 -9.495304 +0.004696 0.105500 P -9.488920 0.006384 0.073495 P
2 0 -1.000000 -0.993126 +0.006874 0.097000 P -0.986267 0.006859 0.064993 P
2 0 +10.000000 +9.996037 -0.003963 0.106000 P 9.995242 -0.000795 0.073996 P
2 0 +21.000000 +21.010783 +0.010783 0.117000 P 20.998825 -0.011959 0.085011 P
2 0 +29.000000 +29.022026 +0.022026 0.125000 P 29.006051 -0.015974 0.093022 P
3 0 -9.500000 -9.502033 -0.002033 0.105500 P -9.492522 0.009511 0.073502 P
3 0 -1.000000 -0.994131 +0.005869 0.097000 P -0.990299 0.003832 0.064994 P
3 0 +10.000000 +9.990344 -0.009656 0.106000 P 9.995255 0.004911 0.073990 P
3 0 +21.000000 +21.007362 +0.007362 0.117000 P 21.003608 -0.003754 0.085007 P
3 0 +29.000000 +29.027615 +0.027615 0.125000 P 29.011146 -0.016469 0.093028 P
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4 5 -0.016000 -0.016002 -0.000002 0.000112 P -0.015986 0.000016 0.000080
P
4 5 +0.000000 -0.000004 -0.000004 0.000096 P 0.000012 0.000016 0.000064
P
4 5 +0.016000 +0.015986 -0.000014 0.000112 P 0.016001 0.000015
0.000080 P
4 5 +0.029000 +0.029011 +0.000011 0.000125 P 0.029010 -0.000002
0.000093 P
5 5 -0.029000 -0.029033 -0.000033 0.000125 P -0.028992 0.000041 0.000093
P
5 5 -0.016000 -0.015996 +0.000004 0.000112 P -0.015988 0.000008 0.000080
P
5 5 +0.000000 -0.000002 -0.000002 0.000096 P 0.000022 0.000024 0.000064
P
5 5 +0.016000 +0.016006 +0.000006 0.000112 P 0.016017 0.000011
0.000080 P
5 5 +0.029000 +0.029010 +0.000010 0.000125 P 0.029009 -0.000001
0.000093 P
6 5 -0.029000 -0.029011 -0.000011 0.000125 P -0.029011 0.000000 0.000093
P
6 5 -0.016000 -0.015992 +0.000008 0.000112 P -0.015998 -0.000006 0.000080
P
6 5 +0.000000 +0.000003 +0.000003 0.000096 P 0.000006 0.000003
0.000064 P
6 5 +0.016000 +0.016015 +0.000015 0.000112 P 0.016006 -0.000009
0.000080 P
6 5 +0.029000 +0.029018 +0.000018 0.000125 P 0.029000 -0.000019
0.000093 P
7 5 -0.029000 -0.029022 -0.000022 0.000125 P -0.029003 0.000019 0.000093
P
7 5 -0.016000 -0.016000 -0.000000 0.000112 P -0.015998 0.000002 0.000080
P
7 5 +0.000000 -0.000004 -0.000004 0.000096 P 0.000007 0.000011 0.000064
P
7 5 +0.016000 +0.016005 +0.000005 0.000112 P 0.016009 0.000004
0.000080 P
7 5 +0.029000 +0.029012 +0.000012 0.000125 P 0.029003 -0.000009
0.000093 P

8 5 -0.029000 -0.029013 -0.000013 0.000125 P -0.029006 0.000007 0.000093 P
8 5 -0.016000 -0.015986 +0.000014 0.000112 P -0.015991 -0.000005 0.000080 P
8 5 +0.000000 +0.000017 +0.000017 0.000096 P 0.000019 0.000003 0.000064 P
8 5 +0.016000 +0.016001 +0.000001 0.000112 P 0.016008 0.000007 0.000080 P
8 5 +0.029000 +0.029011 +0.000011 0.000125 P 0.029014 0.000003 0.000093 P
9 5 -0.029000 -0.029012 -0.000012 0.000125 P -0.029003 0.000009 0.000093 P
9 5 -0.016000 -0.015983 +0.000017 0.000112 P -0.015993 -0.000010 0.000080 P
9 5 +0.000000 +0.000018 +0.000018 0.000096 P 0.000018 0.000000 0.000064 P
9 5 +0.016000 +0.015995 -0.000005 0.000112 P 0.016002 0.000007 0.000080 P
9 5 +0.029000 +0.029018 +0.000018 0.000125 P 0.029020 0.000002 0.000093 P
10 5 -0.029000 -0.029029 -0.000029 0.000125 P -0.028993 0.000036 0.000093 P
10 5 -0.016000 -0.016000 -0.000000 0.000112 P -0.016006 -0.000006 0.000080 P
10 5 +0.000000 -0.000009 -0.000009 0.000096 P -0.000008 0.000001 0.000064 P
10 5 +0.016000 +0.015995 -0.000005 0.000112 P 0.015994 -0.000001 0.000080 P
10 5 +0.029000 +0.029005 +0.000005 0.000125 P 0.028991 -0.000015 0.000093 P
11 5 -0.029000 -0.029015 -0.000015 0.000125 P -0.028980 0.000034 0.000093 P
11 5 -0.016000 -0.016000 -0.000000 0.000112 P -0.015989 0.000012 0.000080 P
11 5 +0.000000 +0.000003 +0.000003 0.000096 P 0.000010 0.000007 0.000064 P
11 5 +0.016000 +0.015991 -0.000009 0.000112 P 0.016000 0.000008 0.000080 P
11 5 +0.029000 +0.029011 +0.000011 0.000125 P 0.028998 -0.000014 0.000093 P
12 5 -0.029000 -0.029034 -0.000034 0.000125 P -0.029003 0.000031 0.000093 P
12 5 -0.016000 -0.015987 +0.000013 0.000112 P -0.015999 -0.000012 0.000080 P

12 5 +0.000000 +0.000002 +0.000002 0.000096 P 0.000006 0.000004
0.000064 P
12 5 +0.016000 +0.015991 -0.000009 0.000112 P 0.015996 0.000004
0.000080 P
12 5 +0.029000 +0.029012 +0.000012 0.000125 P 0.028997 -0.000015
0.000093 P
13 5 -0.029000 -0.029015 -0.000015 0.000125 P -0.028992 0.000023
0.000093 P
13 5 -0.016000 -0.015980 +0.000020 0.000112 P -0.015993 -0.000013
0.000080 P
13 5 +0.000000 +0.000009 +0.000009 0.000096 P 0.000012 0.000004
0.000064 P
13 5 +0.016000 +0.015994 -0.000006 0.000112 P 0.015997 0.000003
0.000080 P
13 5 +0.029000 +0.029026 +0.000026 0.000125 P 0.029019 -0.000007
0.000093 P
14 5 -0.029000 -0.029008 -0.000008 0.000125 P -0.028994 0.000013
0.000093 P
14 5 -0.016000 -0.015995 +0.000005 0.000112 P -0.015999 -0.000004
0.000080 P
14 5 +0.000000 +0.000012 +0.000012 0.000096 P 0.000012 0.000000
0.000064 P
14 5 +0.016000 +0.016007 +0.000007 0.000112 P 0.016004 -0.000003
0.000080 P
14 5 +0.029000 +0.028997 -0.000003 0.000125 P 0.029002 0.000005
0.000093 P
15 5 -0.029000 -0.029012 -0.000012 0.000125 P -0.028979 0.000033
0.000093 P
15 5 -0.016000 -0.015992 +0.000008 0.000112 P -0.015997 -0.000006
0.000080 P
15 5 +0.000000 -0.000005 -0.000005 0.000096 P -0.000004 0.000001
0.000064 P
15 5 +0.016000 +0.015990 -0.000010 0.000112 P 0.015993 0.000003
0.000080 P
15 5 +0.029000 +0.029026 +0.000026 0.000125 P 0.029012 -0.000014
0.000093 P
0 6 -0.007000 -0.007006 -0.000006 0.000031 P -0.006999 0.000007 0.000027
P
0 6 -0.004000 -0.004003 -0.000003 0.000028 P -0.003999 0.000005 0.000024
P
0 6 +0.000000 -0.000000 -0.000000 0.000024 P 0.000004 0.000004 0.000020
P
0 6 +0.004000 +0.003998 -0.000002 0.000028 P 0.004002 0.000004
0.000024 P

0 6 +0.007000 +0.006999 -0.000001 0.000031 P 0.007002 0.000003
0.000027 P
1 6 -0.007000 -0.007004 -0.000004 0.000031 P -0.006998 0.000006 0.000027
P
1 6 -0.004000 -0.004004 -0.000004 0.000028 P -0.004000 0.000005 0.000024
P
1 6 +0.000000 -0.000005 -0.000005 0.000024 P 0.000001 0.000006 0.000020
P
1 6 +0.004000 +0.003997 -0.000003 0.000028 P 0.004003 0.000005
0.000024 P
1 6 +0.007000 +0.006996 -0.000004 0.000031 P 0.007001 0.000005
0.000027 P
2 6 -0.007000 -0.007000 +0.000000 0.000031 P -0.006994 0.000006 0.000027
P
2 6 -0.004000 -0.004000 -0.000000 0.000028 P -0.003999 0.000001 0.000024
P
2 6 +0.000000 +0.000001 +0.000001 0.000024 P 0.000001 0.000000
0.000020 P
2 6 +0.004000 +0.004001 +0.000001 0.000028 P 0.004003 0.000002
0.000024 P
2 6 +0.007000 +0.007002 +0.000002 0.000031 P 0.007002 -0.000000
0.000027 P
3 6 -0.007000 -0.007004 -0.000004 0.000031 P -0.006997 0.000006 0.000027
P
3 6 -0.004000 -0.004002 -0.000002 0.000028 P -0.004000 0.000002 0.000024
P
3 6 +0.000000 +0.000003 +0.000003 0.000024 P 0.000001 -0.000002
0.000020 P
3 6 +0.004000 +0.004003 +0.000003 0.000028 P 0.004003 0.000000
0.000024 P
3 6 +0.007000 +0.007002 +0.000002 0.000031 P 0.007006 0.000004
0.000027 P
4 6 -0.007000 -0.007002 -0.000002 0.000031 P -0.006997 0.000005 0.000027
P
4 6 -0.004000 -0.004003 -0.000003 0.000028 P -0.003999 0.000005 0.000024
P
4 6 +0.000000 -0.000001 -0.000001 0.000024 P 0.000005 0.000006 0.000020
P
4 6 +0.004000 +0.003999 -0.000001 0.000028 P 0.004000 0.000001
0.000024 P
4 6 +0.007000 +0.007003 +0.000003 0.000031 P 0.007003 0.000000
0.000027 P
5 6 -0.007000 -0.007004 -0.000004 0.000031 P -0.007001 0.000003 0.000027
P

5 6 -0.004000 -0.004001 -0.000001 0.000028 P -0.003997 0.000004 0.000024
P
5 6 +0.000000 +0.000004 +0.000004 0.000024 P 0.000004 0.000001
0.000020 P
5 6 +0.004000 +0.004003 +0.000003 0.000028 P 0.004002 -0.000001
0.000024 P
5 6 +0.007000 +0.007003 +0.000003 0.000031 P 0.007005 0.000001
0.000027 P
6 6 -0.007000 -0.007000 -0.000000 0.000031 P -0.006997 0.000004 0.000027
P
6 6 -0.004000 -0.004003 -0.000003 0.000028 P -0.003999 0.000005 0.000024
P
6 6 +0.000000 -0.000002 -0.000002 0.000024 P -0.000001 0.000001 0.000020
P
6 6 +0.004000 +0.004001 +0.000001 0.000028 P 0.004001 -0.000000
0.000024 P
6 6 +0.007000 +0.007003 +0.000003 0.000031 P 0.007001 -0.000002
0.000027 P
7 6 -0.007000 -0.006997 +0.000003 0.000031 P -0.006996 0.000001 0.000027
P
7 6 -0.004000 -0.003997 +0.000003 0.000028 P -0.003997 -0.000001
0.000024 P
7 6 +0.000000 +0.000004 +0.000004 0.000024 P 0.000001 -0.000003
0.000020 P
7 6 +0.004000 +0.004005 +0.000005 0.000028 P 0.004002 -0.000003
0.000024 P
7 6 +0.007000 +0.007006 +0.000006 0.000031 P 0.007004 -0.000002
0.000027 P
8 6 -0.007000 -0.007002 -0.000002 0.000031 P -0.007001 0.000001 0.000027
P
8 6 -0.004000 -0.003997 +0.000003 0.000028 P -0.003995 0.000003 0.000024
P
8 6 +0.000000 +0.000006 +0.000006 0.000024 P 0.000006 -0.000001
0.000020 P
8 6 +0.004000 +0.004001 +0.000001 0.000028 P 0.004003 0.000001
0.000024 P
8 6 +0.007000 +0.007003 +0.000003 0.000031 P 0.007003 0.000000
0.000027 P
9 6 -0.007000 -0.007004 -0.000004 0.000031 P -0.007000 0.000003 0.000027
P
9 6 -0.004000 -0.003997 +0.000003 0.000028 P -0.003996 0.000001 0.000024
P
9 6 +0.000000 +0.000004 +0.000004 0.000024 P 0.000005 0.000001
0.000020 P

9 6 +0.004000 +0.004002 +0.000002 0.000028 P 0.004003 0.000001
0.000024 P
9 6 +0.007000 +0.007002 +0.000002 0.000031 P 0.007006 0.000003
0.000027 P
10 6 -0.007000 -0.007004 -0.000004 0.000031 P -0.006997 0.000007
0.000027 P
10 6 -0.004000 -0.004002 -0.000002 0.000028 P -0.003999 0.000004
0.000024 P
10 6 +0.000000 -0.000001 -0.000001 0.000024 P 0.000002 0.000003
0.000020 P
10 6 +0.004000 +0.003997 -0.000003 0.000028 P 0.004000 0.000002
0.000024 P
10 6 +0.007000 +0.006999 -0.000001 0.000031 P 0.006998 -0.000001
0.000027 P
11 6 -0.007000 -0.007003 -0.000003 0.000031 P -0.006996 0.000006 0.000027
P
11 6 -0.004000 -0.004001 -0.000001 0.000028 P -0.003996 0.000005 0.000024
P
11 6 +0.000000 +0.000002 +0.000002 0.000024 P 0.000002 -0.000000
0.000020 P
11 6 +0.004000 +0.004001 +0.000001 0.000028 P 0.004001 -0.000000
0.000024 P
11 6 +0.007000 +0.007001 +0.000001 0.000031 P 0.007000 -0.000002
0.000027 P
12 6 -0.007000 -0.007003 -0.000003 0.000031 P -0.006999 0.000004
0.000027 P
12 6 -0.004000 -0.003999 +0.000001 0.000028 P -0.003999 -0.000000
0.000024 P
12 6 +0.000000 +0.000001 +0.000001 0.000024 P 0.000001 0.000001
0.000020 P
12 6 +0.004000 +0.003999 -0.000001 0.000028 P 0.003999 0.000000
0.000024 P
12 6 +0.007000 +0.007003 +0.000003 0.000031 P 0.007002 -0.000001
0.000027 P
13 6 -0.007000 -0.007003 -0.000003 0.000031 P -0.007001 0.000002
0.000027 P
13 6 -0.004000 -0.004000 +0.000000 0.000028 P -0.003999 0.000000
0.000024 P
13 6 +0.000000 +0.000000 +0.000000 0.000024 P 0.000001 0.000001
0.000020 P
13 6 +0.004000 +0.004001 +0.000001 0.000028 P 0.004001 -0.000001
0.000024 P
13 6 +0.007000 +0.007002 +0.000002 0.000031 P 0.007002 0.000000
0.000027 P

14 6 -0.007000 -0.007002 -0.000002 0.000031 P -0.007000 0.000002 0.000027 P
14 6 -0.004000 -0.004001 -0.000001 0.000028 P -0.004000 0.000001 0.000024 P
14 6 +0.000000 +0.000002 +0.000002 0.000024 P 0.000001 -0.000001 0.000020 P
14 6 +0.004000 +0.004001 +0.000001 0.000028 P 0.004000 -0.000001 0.000024 P
14 6 +0.007000 +0.007001 +0.000001 0.000031 P 0.007000 -0.000001 0.000027 P
15 6 -0.007000 -0.007001 -0.000001 0.000031 P -0.006998 0.000003 0.000027 P
15 6 -0.004000 -0.004000 +0.000000 0.000028 P -0.003997 0.000003 0.000024 P
15 6 +0.000000 +0.000001 +0.000001 0.000024 P 0.000001 0.000000 0.000020 P
15 6 +0.004000 +0.004002 +0.000002 0.000028 P 0.004001 -0.000001 0.000024 P
15 6 +0.007000 +0.007002 +0.000002 0.000031 P 0.007003 0.000001 0.000027 P

VENUS PPVI Common Mode Section:

Pin	IRng	Force (V)	Exp (uA)	ADC (uA)	Error(uA)	Limit(uA)	P/F
0	0	+5.000000	+0.565728	+1.749117	+1.18339	40.00000	P
1	0	+5.000000	+0.618611	+0.973158	+0.35455	40.00000	P
2	0	+5.000000	+1.792306	-0.664697	-2.45700	40.00000	P
3	0	+5.000000	-0.877065	+1.899326	+2.77639	40.00000	P
4	0	+5.000000	+7.594388	+10.052594	+2.45821	40.00000	P
5	0	+5.000000	+6.962488	+9.555768	+2.59328	40.00000	P
6	0	+5.000000	+3.680139	+6.314605	+2.63447	40.00000	P
7	0	+5.000000	+4.834789	+5.691917	+0.85713	40.00000	P
8	0	+5.000000	+1.095888	+1.638601	+0.54271	40.00000	P
9	0	+5.000000	+4.561313	+3.544178	-1.01714	40.00000	P
10	0	+5.000000	+0.677173	+4.482913	+3.80574	40.00000	P
11	0	+5.000000	+11.491661	+7.322192	-4.16947	40.00000	P
12	0	+5.000000	+1.581226	+0.780876	-0.80035	40.00000	P
13	0	+5.000000	+1.346317	+0.353920	-0.99240	40.00000	P
14	0	+5.000000	+0.632912	-1.733183	-2.36609	40.00000	P
15	0	+5.000000	+3.095925	+0.997375	-2.09855	40.00000	P
0	1	+5.000000	-0.063692	+0.492197	+0.55589	10.00000	P
1	1	+5.000000	+0.172494	+0.068623	-0.10387	10.00000	P
2	1	+5.000000	+0.062063	-0.176123	-0.23819	10.00000	P
3	1	+5.000000	-0.600166	-0.094316	+0.50585	10.00000	P

4	1	+5.000000	+1.389225	+1.237612	-0.15161	10.00000	P
5	1	+5.000000	+1.330279	+1.236364	-0.09392	10.00000	P
6	1	+5.000000	-0.080646	+0.685964	+0.76661	10.00000	P
7	1	+5.000000	+0.704682	+1.104224	+0.39954	10.00000	P
8	1	+5.000000	-0.185610	-0.081645	+0.10397	10.00000	P
9	1	+5.000000	+0.286688	+0.002795	-0.28389	10.00000	P
10	1	+5.000000	+0.983720	+1.625978	+0.64226	10.00000	P
11	1	+5.000000	+1.760498	+1.008584	-0.75191	10.00000	P
12	1	+5.000000	+0.399060	+0.286269	-0.11279	10.00000	P
13	1	+5.000000	-0.422037	-0.299515	+0.12252	10.00000	P
14	1	+5.000000	+0.151696	-0.199952	-0.35165	10.00000	P
15	1	+5.000000	+0.014250	-0.122513	-0.13676	10.00000	P
0	2	+5.000000	+0.191018	+0.284155	+0.09314	2.50000	P
1	2	+5.000000	+0.112592	+0.160604	+0.04801	2.50000	P
2	2	+5.000000	+0.092933	+0.002589	-0.09034	2.50000	P
3	2	+5.000000	-0.056569	+0.145054	+0.20162	2.50000	P
4	2	+5.000000	+0.362006	+0.506340	+0.14433	2.50000	P
5	2	+5.000000	+0.447733	+0.465995	+0.01826	2.50000	P
6	2	+5.000000	+0.043268	+0.150529	+0.10726	2.50000	P
7	2	+5.000000	+0.250373	+0.345479	+0.09511	2.50000	P
8	2	+5.000000	+0.022189	+0.016695	-0.00549	2.50000	P
9	2	+5.000000	+0.003760	-0.025386	-0.02915	2.50000	P
10	2	+5.000000	+0.317498	+0.490133	+0.17263	2.50000	P
11	2	+5.000000	+0.505172	+0.402378	-0.10279	2.50000	P
12	2	+5.000000	+0.031732	-0.000481	-0.03221	2.50000	P
13	2	+5.000000	+0.002126	+0.030790	+0.02866	2.50000	P
14	2	+5.000000	+0.112169	+0.027840	-0.08433	2.50000	P
15	2	+5.000000	+0.096378	-0.082846	-0.17922	2.50000	P
0	3	+5.000000	+0.001307	+0.016581	+0.01527	0.62500	P
1	3	+5.000000	+0.054029	+0.039909	-0.01412	0.62500	P
2	3	+5.000000	+0.022611	-0.052751	-0.07536	0.62500	P
3	3	+5.000000	-0.002279	+0.021774	+0.02405	0.62500	P
4	3	+5.000000	+0.137057	+0.175699	+0.03864	0.62500	P
5	3	+5.000000	+0.130279	+0.153423	+0.02314	0.62500	P
6	3	+5.000000	+0.025661	+0.057267	+0.03161	0.62500	P
7	3	+5.000000	+0.079200	+0.114945	+0.03574	0.62500	P
8	3	+5.000000	+0.033907	+0.034782	+0.00088	0.62500	P
9	3	+5.000000	+0.046030	+0.013141	-0.03289	0.62500	P
10	3	+5.000000	+0.035887	+0.081553	+0.04567	0.62500	P
11	3	+5.000000	+0.230853	+0.139156	-0.09170	0.62500	P
12	3	+5.000000	+0.041191	+0.022741	-0.01845	0.62500	P
13	3	+5.000000	+0.030270	+0.031969	+0.00170	0.62500	P
14	3	+5.000000	-0.022224	-0.060667	-0.03844	0.62500	P
15	3	+5.000000	+0.079175	+0.058201	-0.02097	0.62500	P

0	4	+5.000000	+0.004683	+0.013862	+0.00918	0.16000	P
1	4	+5.000000	+0.009824	+0.011792	+0.00197	0.16000	P
2	4	+5.000000	+0.005868	-0.000150	-0.00602	0.16000	P
3	4	+5.000000	+0.003833	+0.017246	+0.01341	0.16000	P
4	4	+5.000000	+0.032011	+0.044765	+0.01275	0.16000	P
5	4	+5.000000	+0.065503	+0.065748	+0.00025	0.16000	P
6	4	+5.000000	+0.011884	+0.015730	+0.00385	0.16000	P
7	4	+5.000000	+0.017140	+0.024000	+0.00686	0.16000	P
8	4	+5.000000	+0.003755	+0.004545	+0.00079	0.16000	P
9	4	+5.000000	+0.005125	-0.000499	-0.00562	0.16000	P
10	4	+5.000000	+0.026295	+0.033832	+0.00754	0.16000	P
11	4	+5.000000	+0.051345	+0.046771	-0.00457	0.16000	P
12	4	+5.000000	+0.005075	+0.002667	-0.00241	0.16000	P
13	4	+5.000000	+0.003520	+0.004451	+0.00093	0.16000	P
14	4	+5.000000	-0.002350	-0.005903	-0.00355	0.16000	P
15	4	+5.000000	+0.014483	+0.012044	-0.00244	0.16000	P
0	5	+5.000000	+0.000282	+0.001142	+0.00086	0.04000	P
1	5	+5.000000	+0.002086	+0.000700	-0.00139	0.04000	P
2	5	+5.000000	+0.004428	+0.000624	-0.00380	0.04000	P
3	5	+5.000000	+0.001748	+0.002979	+0.00123	0.04000	P
4	5	+5.000000	+0.006422	+0.010038	+0.00362	0.04000	P
5	5	+5.000000	+0.010077	+0.010452	+0.00038	0.04000	P
6	5	+5.000000	+0.004421	+0.006838	+0.00242	0.04000	P
7	5	+5.000000	+0.002939	+0.003950	+0.00101	0.04000	P
8	5	+5.000000	-0.000662	+0.000308	+0.00097	0.04000	P
9	5	+5.000000	+0.002046	+0.000465	-0.00158	0.04000	P
10	5	+5.000000	+0.002767	+0.004089	+0.00132	0.04000	P
11	5	+5.000000	+0.012146	+0.007546	-0.00460	0.04000	P
12	5	+5.000000	-0.000401	-0.000885	-0.00048	0.04000	P
13	5	+5.000000	+0.003168	+0.000542	-0.00263	0.04000	P
14	5	+5.000000	+0.000513	-0.000654	-0.00117	0.04000	P
15	5	+5.000000	+0.003532	+0.001177	-0.00236	0.04000	P
0	6	+5.000000	+0.002608	+0.002852	+0.00024	0.01000	P
1	6	+5.000000	+0.002354	+0.001790	-0.00056	0.01000	P
2	6	+5.000000	+0.000293	-0.000107	-0.00040	0.01000	P
3	6	+5.000000	+0.000114	+0.001203	+0.00109	0.01000	P
4	6	+5.000000	+0.001609	+0.002225	+0.00062	0.01000	P
5	6	+5.000000	+0.002768	+0.003182	+0.00041	0.01000	P
6	6	+5.000000	+0.001723	+0.002166	+0.00044	0.01000	P
7	6	+5.000000	-0.000976	-0.002213	-0.00124	0.01000	P
8	6	+5.000000	+0.000031	+0.000222	+0.00019	0.01000	P
9	6	+5.000000	+0.000411	-0.000069	-0.00048	0.01000	P
10	6	+5.000000	+0.001153	+0.001322	+0.00017	0.01000	P
11	6	+5.000000	+0.001635	+0.001853	+0.00022	0.01000	P

12	6	+5.000000	+0.000303	+0.000381	+0.00008	0.01000 P
13	6	+5.000000	+0.001159	+0.001198	+0.00004	0.01000 P
14	6	+5.000000	+0.000838	+0.000428	-0.00041	0.01000 P
15	6	+5.000000	+0.000136	-0.000394	-0.00053	0.01000 P

TG Fine Delay Bit Section:

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
0	0	fd0	+2.00	+9.42	+7.42	200.00	P
0	0	fd1	+115.00	+121.43	+6.43	200.00	P
0	0	fd2	+234.00	+236.73	+2.73	200.00	P
0	0	fd3	+397.00	+407.53	+10.53	200.00	P
0	0	fd4	+722.00	+727.12	+5.12	300.00	P
0	0	fd5	+1491.00	+1511.06	+20.06	300.00	P
0	0	fd6	+3077.00	+3101.83	+24.83	300.00	P
0	0	fd7	+5750.00	+5757.83	+7.83	300.00	P
0	0	fd8	+11132.00	+11136.87	+4.87	500.00	P
0	1	fd0	+16.00	+5.23	-10.77	200.00	P
0	1	fd1	+113.00	+101.98	-11.02	200.00	P
0	1	fd2	+227.00	+225.40	-1.60	200.00	P
0	1	fd3	+404.00	+399.47	-4.53	200.00	P
0	1	fd4	+732.00	+736.33	+4.33	300.00	P
0	1	fd5	+1507.00	+1500.52	-6.48	300.00	P
0	1	fd6	+3070.00	+3076.12	+6.12	300.00	P
0	1	fd7	+5623.00	+5619.49	-3.51	300.00	P
0	1	fd8	+11213.00	+11227.07	+14.07	500.00	P
0	2	fd0	+16.00	+4.07	-11.93	200.00	P
0	2	fd1	+120.00	+115.61	-4.39	200.00	P
0	2	fd2	+231.00	+234.52	+3.52	200.00	P
0	2	fd3	+399.00	+408.40	+9.40	200.00	P
0	2	fd4	+723.00	+724.09	+1.09	300.00	P
0	2	fd5	+1528.00	+1517.78	-10.22	300.00	P
0	2	fd6	+3136.00	+3130.25	-5.75	300.00	P
0	2	fd7	+5792.00	+5793.09	+1.09	300.00	P
0	2	fd8	+11277.00	+11265.51	-11.49	500.00	P
0	3	fd0	+19.00	+22.59	+3.59	200.00	P
0	3	fd1	+120.00	+123.15	+3.15	200.00	P
0	3	fd2	+234.00	+243.97	+9.97	200.00	P
0	3	fd3	+389.00	+402.23	+13.23	200.00	P
0	3	fd4	+732.00	+733.01	+1.01	300.00	P
0	3	fd5	+1533.00	+1527.53	-5.47	300.00	P

0	3	fd6	+3109.00	+3108.37	-0.63	300.00	P
0	3	fd7	+5671.00	+5681.81	+10.81	300.00	P
0	3	fd8	+11326.00	+11347.89	+21.89	500.00	P
0	4	fd0	+21.00	+24.96	+3.96	200.00	P
0	4	fd1	+126.00	+129.22	+3.22	200.00	P
0	4	fd2	+246.00	+244.17	-1.83	200.00	P
0	4	fd3	+401.00	+405.32	+4.32	200.00	P
0	4	fd4	+740.00	+742.52	+2.52	300.00	P
0	4	fd5	+1519.00	+1503.22	-15.78	300.00	P
0	4	fd6	+3143.00	+3119.29	-23.71	300.00	P
0	4	fd7	+5847.00	+5830.65	-16.35	300.00	P
0	4	fd8	+11338.00	+11309.43	-28.57	500.00	P
0	5	fd0	+17.00	+26.36	+9.36	200.00	P
0	5	fd1	+123.00	+122.54	-0.46	200.00	P
0	5	fd2	+248.00	+262.67	+14.67	200.00	P
0	5	fd3	+404.00	+409.25	+5.25	200.00	P
0	5	fd4	+727.00	+734.20	+7.20	300.00	P
0	5	fd5	+1572.00	+1546.98	-25.02	300.00	P
0	5	fd6	+3151.00	+3130.51	-20.49	300.00	P
0	5	fd7	+5730.00	+5701.96	-28.04	300.00	P
0	5	fd8	+11383.00	+11372.54	-10.46	500.00	P
0	6	fd0	+15.00	+14.23	-0.77	200.00	P
0	6	fd1	+128.00	+139.73	+11.73	200.00	P
0	6	fd2	+244.00	+249.19	+5.19	200.00	P
0	6	fd3	+408.00	+420.44	+12.44	200.00	P
0	6	fd4	+729.00	+740.96	+11.96	300.00	P
0	6	fd5	+1528.00	+1545.20	+17.20	300.00	P
0	6	fd6	+3140.00	+3153.87	+13.87	300.00	P
0	6	fd7	+5839.00	+5867.19	+28.19	300.00	P
0	6	fd8	+11397.00	+11404.33	+7.33	500.00	P
0	7	fd0	+18.00	+8.84	-9.16	200.00	P
0	7	fd1	+120.00	+114.31	-5.69	200.00	P
0	7	fd2	+255.00	+246.63	-8.37	200.00	P
0	7	fd3	+426.00	+426.76	+0.76	200.00	P
0	7	fd4	+745.00	+735.62	-9.38	300.00	P
0	7	fd5	+1535.00	+1508.68	-26.32	300.00	P
0	7	fd6	+3117.00	+3093.52	-23.48	300.00	P
0	7	fd7	+5740.00	+5728.88	-11.12	300.00	P
0	7	fd8	+11390.00	+11400.48	+10.48	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
1	0	fd0	+10.00	+3.62	-6.38	200.00	P
1	0	fd1	+109.00	+108.62	-0.38	200.00	P
1	0	fd2	+251.00	+252.49	+1.49	200.00	P
1	0	fd3	+412.00	+407.96	-4.04	200.00	P
1	0	fd4	+728.00	+740.08	+12.08	300.00	P
1	0	fd5	+1507.00	+1530.94	+23.94	300.00	P
1	0	fd6	+3149.00	+3146.62	-2.38	300.00	P
1	0	fd7	+5883.00	+5881.94	-1.06	300.00	P
1	0	fd8	+11378.00	+11404.17	+26.17	500.00	P
1	1	fd0	+8.00	+18.27	+10.27	200.00	P
1	1	fd1	+129.00	+127.25	-1.75	200.00	P
1	1	fd2	+244.00	+256.37	+12.37	200.00	P
1	1	fd3	+407.00	+402.63	-4.37	200.00	P
1	1	fd4	+743.00	+723.26	-19.74	300.00	P
1	1	fd5	+1542.00	+1505.22	-36.78	300.00	P
1	1	fd6	+3109.00	+3086.13	-22.87	300.00	P
1	1	fd7	+5757.00	+5712.23	-44.77	300.00	P
1	1	fd8	+11393.00	+11366.81	-26.19	500.00	P
1	2	fd0	+19.00	+20.94	+1.94	200.00	P
1	2	fd1	+92.00	+124.24	+32.24	200.00	P
1	2	fd2	+254.00	+266.94	+12.94	200.00	P
1	2	fd3	+402.00	+419.52	+17.52	200.00	P
1	2	fd4	+752.00	+746.55	-5.45	300.00	P
1	2	fd5	+1527.00	+1534.02	+7.02	300.00	P
1	2	fd6	+3147.00	+3143.94	-3.06	300.00	P
1	2	fd7	+5882.00	+5904.48	+22.48	300.00	P
1	2	fd8	+11396.00	+11396.37	+0.37	500.00	P
1	3	fd0	+17.00	+24.32	+7.32	200.00	P
1	3	fd1	+117.00	+119.47	+2.47	200.00	P
1	3	fd2	+234.00	+239.89	+5.89	200.00	P
1	3	fd3	+399.00	+417.82	+18.82	200.00	P
1	3	fd4	+728.00	+743.21	+15.21	300.00	P
1	3	fd5	+1521.00	+1518.69	-2.31	300.00	P
1	3	fd6	+3131.00	+3136.47	+5.47	300.00	P
1	3	fd7	+5756.00	+5761.30	+5.30	300.00	P
1	3	fd8	+11496.00	+11512.54	+16.54	500.00	P
1	4	fd0	+12.00	+51.99	+39.99	200.00	P
1	4	fd1	+142.00	+169.17	+27.17	200.00	P

1	4	fd2	+246.00	+280.47	+34.47	200.00	P
1	4	fd3	+390.00	+430.28	+40.28	200.00	P
1	4	fd4	+738.00	+762.33	+24.33	300.00	P
1	4	fd5	+1540.00	+1537.09	-2.91	300.00	P
1	4	fd6	+3174.00	+3176.75	+2.75	300.00	P
1	4	fd7	+5922.00	+5898.56	-23.44	300.00	P
1	4	fd8	+11402.00	+11401.67	-0.33	500.00	P
1	5	fd0	+17.00	+13.35	-3.65	200.00	P
1	5	fd1	+126.00	+122.86	-3.14	200.00	P
1	5	fd2	+244.00	+234.01	-9.99	200.00	P
1	5	fd3	+407.00	+395.23	-11.77	200.00	P
1	5	fd4	+756.00	+749.82	-6.18	300.00	P
1	5	fd5	+1568.00	+1537.38	-30.62	300.00	P
1	5	fd6	+3170.00	+3162.69	-7.31	300.00	P
1	5	fd7	+5824.00	+5814.55	-9.45	300.00	P
1	5	fd8	+11597.00	+11592.62	-4.38	500.00	P
1	6	fd0	+12.00	+0.00	-12.00	200.00	P
1	6	fd1	+117.00	+104.87	-12.13	200.00	P
1	6	fd2	+227.00	+223.72	-3.28	200.00	P
1	6	fd3	+397.00	+384.25	-12.75	200.00	P
1	6	fd4	+759.00	+739.99	-19.01	300.00	P
1	6	fd5	+1526.00	+1524.42	-1.58	300.00	P
1	6	fd6	+3145.00	+3125.19	-19.81	300.00	P
1	6	fd7	+5880.00	+5851.03	-28.97	300.00	P
1	6	fd8	+11418.00	+11391.24	-26.76	500.00	P
1	7	fd0	+5.00	+24.52	+19.52	200.00	P
1	7	fd1	+134.00	+118.09	-15.91	200.00	P
1	7	fd2	+239.00	+238.82	-0.18	200.00	P
1	7	fd3	+397.00	+391.60	-5.40	200.00	P
1	7	fd4	+745.00	+734.42	-10.58	300.00	P
1	7	fd5	+1565.00	+1519.72	-45.28	300.00	P
1	7	fd6	+3166.00	+3141.48	-24.52	300.00	P
1	7	fd7	+5860.00	+5832.32	-27.68	300.00	P
1	7	fd8	+11539.00	+11524.87	-14.13	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
2	0	fd0	+9.00	+34.25	+25.25	200.00	P
2	0	fd1	+116.00	+123.19	+7.19	200.00	P
2	0	fd2	+243.00	+254.81	+11.81	200.00	P
2	0	fd3	+410.00	+422.95	+12.95	200.00	P

2	0	fd4	+739.00	+746.17	+7.17	300.00	P
2	0	fd5	+1573.00	+1559.51	-13.49	300.00	P
2	0	fd6	+3204.00	+3215.06	+11.06	300.00	P
2	0	fd7	+5900.00	+5909.77	+9.77	300.00	P
2	0	fd8	+11451.00	+11476.19	+25.19	500.00	P
2	1	fd0	+16.00	+9.56	-6.44	200.00	P
2	1	fd1	+119.00	+116.50	-2.50	200.00	P
2	1	fd2	+239.00	+232.51	-6.49	200.00	P
2	1	fd3	+409.00	+395.59	-13.41	200.00	P
2	1	fd4	+746.00	+724.73	-21.27	300.00	P
2	1	fd5	+1555.00	+1534.05	-20.95	300.00	P
2	1	fd6	+3181.00	+3159.76	-21.24	300.00	P
2	1	fd7	+5852.00	+5838.04	-13.96	300.00	P
2	1	fd8	+11497.00	+11499.76	+2.76	500.00	P
2	2	fd0	+23.00	+18.15	-4.85	200.00	P
2	2	fd1	+128.00	+123.56	-4.44	200.00	P
2	2	fd2	+246.00	+247.11	+1.11	200.00	P
2	2	fd3	+407.00	+412.81	+5.81	200.00	P
2	2	fd4	+733.00	+735.42	+2.42	300.00	P
2	2	fd5	+1560.00	+1571.38	+11.38	300.00	P
2	2	fd6	+3185.00	+3209.20	+24.20	300.00	P
2	2	fd7	+5907.00	+5919.83	+12.83	300.00	P
2	2	fd8	+11443.00	+11451.03	+8.03	500.00	P
2	3	fd0	+10.00	+26.33	+16.33	200.00	P
2	3	fd1	+131.00	+127.19	-3.81	200.00	P
2	3	fd2	+255.00	+252.15	-2.85	200.00	P
2	3	fd3	+404.00	+405.16	+1.16	200.00	P
2	3	fd4	+735.00	+737.10	+2.10	300.00	P
2	3	fd5	+1546.00	+1554.66	+8.66	300.00	P
2	3	fd6	+3173.00	+3183.36	+10.36	300.00	P
2	3	fd7	+5837.00	+5818.99	-18.01	300.00	P
2	3	fd8	+11489.00	+11483.52	-5.48	500.00	P
2	4	fd0	+6.00	+9.71	+3.71	200.00	P
2	4	fd1	+122.00	+126.37	+4.37	200.00	P
2	4	fd2	+243.00	+238.82	-4.18	200.00	P
2	4	fd3	+416.00	+415.81	-0.19	200.00	P
2	4	fd4	+746.00	+727.86	-18.14	300.00	P
2	4	fd5	+1545.00	+1545.70	+0.70	300.00	P
2	4	fd6	+3190.00	+3203.09	+13.09	300.00	P
2	4	fd7	+5868.00	+5850.66	-17.34	300.00	P

2	4	fd8	+11473.00	+11470.44	-2.56	500.00	P
2	5	fd0	+16.00	+3.96	-12.04	200.00	P
2	5	fd1	+124.00	+116.12	-7.88	200.00	P
2	5	fd2	+246.00	+229.14	-16.86	200.00	P
2	5	fd3	+429.00	+414.96	-14.04	200.00	P
2	5	fd4	+744.00	+730.53	-13.47	300.00	P
2	5	fd5	+1542.00	+1545.89	+3.89	300.00	P
2	5	fd6	+3175.00	+3138.74	-36.26	300.00	P
2	5	fd7	+5798.00	+5756.34	-41.66	300.00	P
2	5	fd8	+11485.00	+11490.76	+5.76	500.00	P
2	6	fd0	+17.00	+13.92	-3.08	200.00	P
2	6	fd1	+130.00	+134.54	+4.54	200.00	P
2	6	fd2	+244.00	+245.96	+1.96	200.00	P
2	6	fd3	+412.00	+406.78	-5.22	200.00	P
2	6	fd4	+758.00	+752.01	-5.99	300.00	P
2	6	fd5	+1536.00	+1549.05	+13.05	300.00	P
2	6	fd6	+3165.00	+3188.39	+23.39	300.00	P
2	6	fd7	+5847.00	+5840.41	-6.59	300.00	P
2	6	fd8	+11443.00	+11446.55	+3.55	500.00	P
2	7	fd0	+6.00	+0.00	-6.00	200.00	P
2	7	fd1	+131.00	+120.56	-10.44	200.00	P
2	7	fd2	+230.00	+217.20	-12.80	200.00	P
2	7	fd3	+397.00	+392.39	-4.61	200.00	P
2	7	fd4	+745.00	+735.88	-9.12	300.00	P
2	7	fd5	+1566.00	+1544.94	-21.06	300.00	P
2	7	fd6	+3151.00	+3119.89	-31.11	300.00	P
2	7	fd7	+5814.00	+5792.01	-21.99	300.00	P
2	7	fd8	+11443.00	+11441.26	-1.74	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
3	0	fd0	+15.00	+0.00	-15.00	200.00	P
3	0	fd1	+105.00	+132.18	+27.18	200.00	P
3	0	fd2	+241.00	+251.75	+10.75	200.00	P
3	0	fd3	+394.00	+402.92	+8.92	200.00	P
3	0	fd4	+756.00	+745.53	-10.47	300.00	P
3	0	fd5	+1511.00	+1518.99	+7.99	300.00	P
3	0	fd6	+3169.00	+3175.22	+6.22	300.00	P
3	0	fd7	+5831.00	+5863.27	+32.27	300.00	P
3	0	fd8	+11359.00	+11377.78	+18.78	500.00	P

3	1	fd0	+9.00	+0.00	-9.00	200.00	P
3	1	fd1	+122.00	+102.85	-19.15	200.00	P
3	1	fd2	+246.00	+227.85	-18.15	200.00	P
3	1	fd3	+414.00	+402.49	-11.51	200.00	P
3	1	fd4	+735.00	+710.56	-24.44	300.00	P
3	1	fd5	+1549.00	+1503.58	-45.42	300.00	P
3	1	fd6	+3160.00	+3092.90	-67.10	300.00	P
3	1	fd7	+5792.00	+5779.87	-12.13	300.00	P
3	1	fd8	+11342.00	+11341.88	-0.12	500.00	P
3	2	fd0	+14.00	+7.22	-6.78	200.00	P
3	2	fd1	+129.00	+110.57	-18.43	200.00	P
3	2	fd2	+251.00	+238.35	-12.65	200.00	P
3	2	fd3	+404.00	+396.72	-7.28	200.00	P
3	2	fd4	+750.00	+728.62	-21.38	300.00	P
3	2	fd5	+1518.00	+1493.96	-24.04	300.00	P
3	2	fd6	+3096.00	+3089.78	-6.22	300.00	P
3	2	fd7	+5703.00	+5704.86	+1.86	300.00	P
3	2	fd8	+11065.00	+11069.78	+4.78	500.00	P
3	3	fd0	+11.00	+0.00	-11.00	200.00	P
3	3	fd1	+137.00	+113.89	-23.11	200.00	P
3	3	fd2	+237.00	+214.46	-22.54	200.00	P
3	3	fd3	+404.00	+381.45	-22.55	200.00	P
3	3	fd4	+717.00	+696.08	-20.92	300.00	P
3	3	fd5	+1521.00	+1481.37	-39.63	300.00	P
3	3	fd6	+3101.00	+3057.70	-43.30	300.00	P
3	3	fd7	+5647.00	+5632.62	-14.38	300.00	P
3	3	fd8	+11158.00	+11150.64	-7.36	500.00	P
3	4	fd0	+13.00	+0.00	-13.00	200.00	P
3	4	fd1	+98.00	+109.15	+11.15	200.00	P
3	4	fd2	+248.00	+237.84	-10.16	200.00	P
3	4	fd3	+400.00	+393.55	-6.45	200.00	P
3	4	fd4	+719.00	+732.57	+13.57	300.00	P
3	4	fd5	+1522.00	+1537.74	+15.74	300.00	P
3	4	fd6	+3110.00	+3139.58	+29.58	300.00	P
3	4	fd7	+5774.00	+5790.09	+16.09	300.00	P
3	4	fd8	+11234.00	+11242.11	+8.11	500.00	P
3	5	fd0	+13.00	+22.79	+9.79	200.00	P
3	5	fd1	+119.00	+131.74	+12.74	200.00	P
3	5	fd2	+241.00	+227.58	-13.42	200.00	P
3	5	fd3	+411.00	+398.25	-12.75	200.00	P

3	5	fd4	+722.00	+721.43	-0.57	300.00	P
3	5	fd5	+1507.00	+1481.93	-25.07	300.00	P
3	5	fd6	+3115.00	+3102.17	-12.83	300.00	P
3	5	fd7	+5707.00	+5699.67	-7.33	300.00	P
3	5	fd8	+11249.00	+11248.24	-0.76	500.00	P
3	6	fd0	+12.00	+13.21	+1.21	200.00	P
3	6	fd1	+116.00	+120.21	+4.21	200.00	P
3	6	fd2	+229.00	+224.28	-4.72	200.00	P
3	6	fd3	+407.00	+399.16	-7.84	200.00	P
3	6	fd4	+731.00	+731.87	+0.87	300.00	P
3	6	fd5	+1494.00	+1519.73	+25.73	300.00	P
3	6	fd6	+3136.00	+3118.20	-17.80	300.00	P
3	6	fd7	+5771.00	+5781.21	+10.21	300.00	P
3	6	fd8	+11333.00	+11323.04	-9.96	500.00	P
3	7	fd0	+16.00	+4.27	-11.73	200.00	P
3	7	fd1	+130.00	+96.27	-33.73	200.00	P
3	7	fd2	+239.00	+202.07	-36.93	200.00	P
3	7	fd3	+400.00	+364.23	-35.77	200.00	P
3	7	fd4	+733.00	+697.44	-35.56	300.00	P
3	7	fd5	+1554.00	+1486.86	-67.14	300.00	P
3	7	fd6	+3156.00	+3092.74	-63.26	300.00	P
3	7	fd7	+5729.00	+5687.03	-41.97	300.00	P
3	7	fd8	+11289.00	+11254.71	-34.29	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
4	0	fd0	+2.00	+19.07	+17.07	200.00	P
4	0	fd1	+98.00	+117.81	+19.81	200.00	P
4	0	fd2	+204.00	+239.27	+35.27	200.00	P
4	0	fd3	+350.00	+390.41	+40.41	200.00	P
4	0	fd4	+666.00	+706.69	+40.69	300.00	P
4	0	fd5	+1353.00	+1354.11	+1.11	300.00	P
4	0	fd6	+2795.00	+2847.34	+52.34	300.00	P
4	0	fd7	+5247.00	+5330.10	+83.10	300.00	P
4	0	fd8	+10241.00	+10259.99	+18.99	500.00	P
4	1	fd0	+9.00	+0.00	-9.00	200.00	P
4	1	fd1	+108.00	+90.65	-17.35	200.00	P
4	1	fd2	+240.00	+216.63	-23.37	200.00	P
4	1	fd3	+371.00	+397.28	+26.28	200.00	P
4	1	fd4	+700.00	+710.81	+10.81	300.00	P
4	1	fd5	+1350.00	+1352.04	+2.04	300.00	P

4	1	fd6	+2820.00	+2814.46	-5.54	300.00	P
4	1	fd7	+5249.00	+5216.32	-32.68	300.00	P
4	1	fd8	+10311.00	+10284.38	-26.62	500.00	P
4	2	fd0	+2.00	+32.90	+30.90	200.00	P
4	2	fd1	+112.00	+131.41	+19.41	200.00	P
4	2	fd2	+234.00	+180.76	-53.24	200.00	P
4	2	fd3	+354.00	+303.12	-50.88	200.00	P
4	2	fd4	+648.00	+617.81	-30.19	300.00	P
4	2	fd5	+1404.00	+1357.69	-46.31	300.00	P
4	2	fd6	+2867.00	+2844.41	-22.59	300.00	P
4	2	fd7	+5258.00	+5213.04	-44.96	300.00	P
4	2	fd8	+10283.00	+10300.53	+17.53	500.00	P
4	3	fd0	+12.00	+39.45	+27.45	200.00	P
4	3	fd1	+97.00	+124.97	+27.97	200.00	P
4	3	fd2	+205.00	+254.37	+49.37	200.00	P
4	3	fd3	+381.00	+401.01	+20.01	200.00	P
4	3	fd4	+652.00	+700.64	+48.64	300.00	P
4	3	fd5	+1358.00	+1376.67	+18.67	300.00	P
4	3	fd6	+2799.00	+2817.34	+18.34	300.00	P
4	3	fd7	+5144.00	+5163.51	+19.51	300.00	P
4	3	fd8	+10335.00	+10414.71	+79.71	500.00	P
4	4	fd0	+15.00	+23.70	+8.70	200.00	P
4	4	fd1	+118.00	+126.04	+8.04	200.00	P
4	4	fd2	+196.00	+216.88	+20.88	200.00	P
4	4	fd3	+388.00	+374.12	-13.88	200.00	P
4	4	fd4	+711.00	+716.44	+5.44	300.00	P
4	4	fd5	+1392.00	+1367.81	-24.19	300.00	P
4	4	fd6	+2871.00	+2834.55	-36.45	300.00	P
4	4	fd7	+5359.00	+5353.69	-5.31	300.00	P
4	4	fd8	+10347.00	+10280.28	-66.72	500.00	P
4	5	fd0	+22.00	+0.00	-22.00	200.00	P
4	5	fd1	+119.00	+99.92	-19.08	200.00	P
4	5	fd2	+217.00	+155.41	-61.59	200.00	P
4	5	fd3	+398.00	+311.10	-86.90	200.00	P
4	5	fd4	+698.00	+646.16	-51.84	300.00	P
4	5	fd5	+1463.00	+1374.83	-88.17	300.00	P
4	5	fd6	+2895.00	+2824.95	-70.05	300.00	P
4	5	fd7	+5300.00	+5144.51	-155.49	300.00	P
4	5	fd8	+10491.00	+10437.03	-53.97	500.00	P

4	6	fd0	+6.00	+28.39	+22.39	200.00	P
4	6	fd1	+105.00	+155.21	+50.21	200.00	P
4	6	fd2	+222.00	+255.49	+33.49	200.00	P
4	6	fd3	+365.00	+417.87	+52.87	200.00	P
4	6	fd4	+647.00	+672.66	+25.66	300.00	P
4	6	fd5	+1380.00	+1428.47	+48.47	300.00	P
4	6	fd6	+2801.00	+2816.14	+15.14	300.00	P
4	6	fd7	+5255.00	+5273.86	+18.86	300.00	P
4	6	fd8	+10300.00	+10322.43	+22.43	500.00	P
4	7	fd0	+12.00	+0.00	-12.00	200.00	P
4	7	fd1	+108.00	+149.06	+41.06	200.00	P
4	7	fd2	+230.00	+198.77	-31.23	200.00	P
4	7	fd3	+371.00	+365.35	-5.65	200.00	P
4	7	fd4	+718.00	+725.02	+7.02	300.00	P
4	7	fd5	+1399.00	+1380.69	-18.31	300.00	P
4	7	fd6	+2840.00	+2805.31	-34.69	300.00	P
4	7	fd7	+5265.00	+5217.51	-47.49	300.00	P
4	7	fd8	+10382.00	+10385.82	+3.82	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
5	0	fd0	+2.00	+21.96	+19.96	200.00	P
5	0	fd1	+125.00	+139.68	+14.68	200.00	P
5	0	fd2	+188.00	+186.39	-1.61	200.00	P
5	0	fd3	+382.00	+403.29	+21.29	200.00	P
5	0	fd4	+661.00	+681.48	+20.48	300.00	P
5	0	fd5	+1378.00	+1386.38	+8.38	300.00	P
5	0	fd6	+2821.00	+2869.45	+48.45	300.00	P
5	0	fd7	+5280.00	+5326.01	+46.01	300.00	P
5	0	fd8	+10322.00	+10340.90	+18.90	500.00	P
5	1	fd0	+8.00	+0.00	-8.00	200.00	P
5	1	fd1	+123.00	+70.55	-52.45	200.00	P
5	1	fd2	+235.00	+197.16	-37.84	200.00	P
5	1	fd3	+361.00	+346.45	-14.55	200.00	P
5	1	fd4	+672.00	+681.42	+9.42	300.00	P
5	1	fd5	+1381.00	+1326.04	-54.96	300.00	P
5	1	fd6	+2817.00	+2843.98	+26.98	300.00	P
5	1	fd7	+5234.00	+5271.36	+37.36	300.00	P
5	1	fd8	+10407.00	+10413.44	+6.44	500.00	P
5	2	fd0	+5.00	+43.52	+38.52	200.00	P
5	2	fd1	+135.00	+157.45	+22.45	200.00	P

5	2	fd2	+213.00	+229.02	+16.02	200.00	P
5	2	fd3	+355.00	+442.66	+87.66	200.00	P
5	2	fd4	+677.00	+720.41	+43.41	300.00	P
5	2	fd5	+1399.00	+1433.35	+34.35	300.00	P
5	2	fd6	+2817.00	+2859.48	+42.48	300.00	P
5	2	fd7	+5306.00	+5321.07	+15.07	300.00	P
5	2	fd8	+10325.00	+10371.23	+46.23	500.00	P
5	3	fd0	+7.00	+32.20	+25.20	200.00	P
5	3	fd1	+122.00	+125.23	+3.23	200.00	P
5	3	fd2	+207.00	+224.61	+17.61	200.00	P
5	3	fd3	+372.00	+382.78	+10.78	200.00	P
5	3	fd4	+658.00	+659.40	+1.40	300.00	P
5	3	fd5	+1401.00	+1396.26	-4.74	300.00	P
5	3	fd6	+2839.00	+2866.73	+27.73	300.00	P
5	3	fd7	+5255.00	+5315.28	+60.28	300.00	P
5	3	fd8	+10431.00	+10411.61	-19.39	500.00	P
5	4	fd0	+3.00	+27.82	+24.82	200.00	P
5	4	fd1	+110.00	+98.54	-11.46	200.00	P
5	4	fd2	+206.00	+237.80	+31.80	200.00	P
5	4	fd3	+382.00	+386.21	+4.21	200.00	P
5	4	fd4	+647.00	+677.22	+30.22	300.00	P
5	4	fd5	+1408.00	+1386.04	-21.96	300.00	P
5	4	fd6	+2875.00	+2842.28	-32.72	300.00	P
5	4	fd7	+5360.00	+5321.05	-38.95	300.00	P
5	4	fd8	+10437.00	+10486.56	+49.56	500.00	P
5	5	fd0	+2.00	+0.00	-2.00	200.00	P
5	5	fd1	+116.00	+60.27	-55.73	200.00	P
5	5	fd2	+217.00	+182.60	-34.40	200.00	P
5	5	fd3	+354.00	+297.46	-56.54	200.00	P
5	5	fd4	+726.00	+620.78	-105.22	300.00	P
5	5	fd5	+1420.00	+1343.44	-76.56	300.00	P
5	5	fd6	+2903.00	+2807.91	-95.09	300.00	P
5	5	fd7	+5339.00	+5226.69	-112.31	300.00	P
5	5	fd8	+10549.00	+10446.14	-102.86	500.00	P
5	6	fd0	+4.00	+69.17	+65.17	200.00	P
5	6	fd1	+118.00	+140.64	+22.64	200.00	P
5	6	fd2	+219.00	+227.63	+8.63	200.00	P
5	6	fd3	+380.00	+384.64	+4.64	200.00	P
5	6	fd4	+663.00	+648.23	-14.77	300.00	P
5	6	fd5	+1434.00	+1366.22	-67.78	300.00	P

5	6	fd6	+2877.00	+2858.16	-18.84	300.00	P
5	6	fd7	+5318.00	+5271.65	-46.35	300.00	P
5	6	fd8	+10372.00	+10339.89	-32.11	500.00	P
5	7	fd0	+28.00	+17.25	-10.75	200.00	P
5	7	fd1	+111.00	+77.57	-33.43	200.00	P
5	7	fd2	+214.00	+238.36	+24.36	200.00	P
5	7	fd3	+386.00	+383.52	-2.48	200.00	P
5	7	fd4	+670.00	+686.35	+16.35	300.00	P
5	7	fd5	+1392.00	+1386.13	-5.87	300.00	P
5	7	fd6	+2839.00	+2835.43	-3.57	300.00	P
5	7	fd7	+5245.00	+5249.47	+4.47	300.00	P
5	7	fd8	+10492.00	+10462.71	-29.29	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
6	0	fd0	+12.00	+2.03	-9.97	200.00	P
6	0	fd1	+107.00	+92.96	-14.04	200.00	P
6	0	fd2	+200.00	+211.27	+11.27	200.00	P
6	0	fd3	+375.00	+379.77	+4.77	200.00	P
6	0	fd4	+684.00	+673.75	-10.25	300.00	P
6	0	fd5	+1398.00	+1401.35	+3.35	300.00	P
6	0	fd6	+2879.00	+2858.03	-20.97	300.00	P
6	0	fd7	+5340.00	+5346.93	+6.93	300.00	P
6	0	fd8	+10435.00	+10449.04	+14.04	500.00	P
6	1	fd0	+5.00	+10.42	+5.42	200.00	P
6	1	fd1	+113.00	+114.69	+1.69	200.00	P
6	1	fd2	+222.00	+222.56	+0.56	200.00	P
6	1	fd3	+377.00	+365.02	-11.98	200.00	P
6	1	fd4	+668.00	+663.47	-4.53	300.00	P
6	1	fd5	+1406.00	+1386.24	-19.76	300.00	P
6	1	fd6	+2860.00	+2861.06	+1.06	300.00	P
6	1	fd7	+5281.00	+5261.25	-19.75	300.00	P
6	1	fd8	+10457.00	+10459.26	+2.26	500.00	P
6	2	fd0	+12.00	+0.00	-12.00	200.00	P
6	2	fd1	+113.00	+100.18	-12.82	200.00	P
6	2	fd2	+227.00	+234.48	+7.48	200.00	P
6	2	fd3	+376.00	+372.43	-3.57	200.00	P
6	2	fd4	+678.00	+676.50	-1.50	300.00	P
6	2	fd5	+1386.00	+1384.40	-1.60	300.00	P
6	2	fd6	+2896.00	+2885.19	-10.81	300.00	P
6	2	fd7	+5358.00	+5341.07	-16.93	300.00	P

6	2	fd8	+10409.00	+10407.35	-1.65	500.00	P
6	3	fd0	+11.00	+24.72	+13.72	200.00	P
6	3	fd1	+119.00	+127.88	+8.88	200.00	P
6	3	fd2	+235.00	+228.74	-6.26	200.00	P
6	3	fd3	+360.00	+366.15	+6.15	200.00	P
6	3	fd4	+661.00	+684.52	+23.52	300.00	P
6	3	fd5	+1405.00	+1404.86	-0.14	300.00	P
6	3	fd6	+2836.00	+2864.27	+28.27	300.00	P
6	3	fd7	+5255.00	+5241.63	-13.37	300.00	P
6	3	fd8	+10426.00	+10442.05	+16.05	500.00	P
6	4	fd0	+10.00	+24.65	+14.65	200.00	P
6	4	fd1	+113.00	+126.55	+13.55	200.00	P
6	4	fd2	+205.00	+213.42	+8.42	200.00	P
6	4	fd3	+372.00	+384.46	+12.46	200.00	P
6	4	fd4	+681.00	+684.36	+3.36	300.00	P
6	4	fd5	+1387.00	+1395.90	+8.90	300.00	P
6	4	fd6	+2862.00	+2897.47	+35.47	300.00	P
6	4	fd7	+5354.00	+5367.69	+13.69	300.00	P
6	4	fd8	+10402.00	+10406.02	+4.02	500.00	P
6	5	fd0	+5.00	+5.55	+0.55	200.00	P
6	5	fd1	+105.00	+108.13	+3.13	200.00	P
6	5	fd2	+218.00	+218.85	+0.85	200.00	P
6	5	fd3	+378.00	+372.14	-5.86	200.00	P
6	5	fd4	+671.00	+677.90	+6.90	300.00	P
6	5	fd5	+1413.00	+1394.05	-18.95	300.00	P
6	5	fd6	+2861.00	+2838.30	-22.70	300.00	P
6	5	fd7	+5322.00	+5292.35	-29.65	300.00	P
6	5	fd8	+10462.00	+10467.82	+5.82	500.00	P
6	6	fd0	+5.00	+12.53	+7.53	200.00	P
6	6	fd1	+108.00	+108.77	+0.77	200.00	P
6	6	fd2	+234.00	+231.43	-2.57	200.00	P
6	6	fd3	+370.00	+374.12	+4.12	200.00	P
6	6	fd4	+669.00	+676.50	+7.50	300.00	P
6	6	fd5	+1393.00	+1392.18	-0.82	300.00	P
6	6	fd6	+2875.00	+2859.27	-15.73	300.00	P
6	6	fd7	+5324.00	+5345.55	+21.55	300.00	P
6	6	fd8	+10396.00	+10408.21	+12.21	500.00	P
6	7	fd0	+13.00	+0.00	-13.00	200.00	P
6	7	fd1	+125.00	+107.60	-17.40	200.00	P

6	7	fd2	+218.00	+212.00	-6.00	200.00	P
6	7	fd3	+375.00	+370.11	-4.89	200.00	P
6	7	fd4	+668.00	+671.38	+3.38	300.00	P
6	7	fd5	+1401.00	+1384.90	-16.10	300.00	P
6	7	fd6	+2846.00	+2824.53	-21.47	300.00	P
6	7	fd7	+5255.00	+5233.62	-21.38	300.00	P
6	7	fd8	+10397.00	+10369.62	-27.38	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
7	0	fd0	+12.00	+1.05	-10.95	200.00	P
7	0	fd1	+108.00	+109.86	+1.86	200.00	P
7	0	fd2	+211.00	+211.56	+0.56	200.00	P
7	0	fd3	+362.00	+364.78	+2.78	200.00	P
7	0	fd4	+678.00	+728.38	+50.38	300.00	P
7	0	fd5	+1375.00	+1413.54	+38.54	300.00	P
7	0	fd6	+2850.00	+2868.06	+18.06	300.00	P
7	0	fd7	+5239.00	+5266.87	+27.87	300.00	P
7	0	fd8	+10203.00	+10199.07	-3.93	500.00	P
7	1	fd0	+11.00	+7.21	-3.79	200.00	P
7	1	fd1	+110.00	+104.35	-5.65	200.00	P
7	1	fd2	+234.00	+222.44	-11.56	200.00	P
7	1	fd3	+362.00	+352.24	-9.76	200.00	P
7	1	fd4	+690.00	+631.11	-58.89	300.00	P
7	1	fd5	+1381.00	+1352.08	-28.92	300.00	P
7	1	fd6	+2832.00	+2813.28	-18.72	300.00	P
7	1	fd7	+5221.00	+5192.87	-28.13	300.00	P
7	1	fd8	+10284.00	+10276.69	-7.31	500.00	P
7	2	fd0	+9.00	+2.76	-6.24	200.00	P
7	2	fd1	+115.00	+101.88	-13.12	200.00	P
7	2	fd2	+213.00	+205.47	-7.53	200.00	P
7	2	fd3	+367.00	+405.61	+38.61	200.00	P
7	2	fd4	+672.00	+681.35	+9.35	300.00	P
7	2	fd5	+1391.00	+1400.97	+9.97	300.00	P
7	2	fd6	+2878.00	+2862.54	-15.46	300.00	P
7	2	fd7	+5295.00	+5286.99	-8.01	300.00	P
7	2	fd8	+10283.00	+10299.21	+16.21	500.00	P
7	3	fd0	+11.00	+19.81	+8.81	200.00	P
7	3	fd1	+108.00	+121.41	+13.41	200.00	P
7	3	fd2	+225.00	+211.95	-13.05	200.00	P
7	3	fd3	+371.00	+377.84	+6.84	200.00	P

7	3	fd4	+662.00	+669.34	+7.34	300.00	P
7	3	fd5	+1369.00	+1382.03	+13.03	300.00	P
7	3	fd6	+2855.00	+2858.01	+3.01	300.00	P
7	3	fd7	+5226.00	+5288.28	+62.28	300.00	P
7	3	fd8	+10308.00	+10314.72	+6.72	500.00	P
7	4	fd0	+12.00	+0.00	-12.00	200.00	P
7	4	fd1	+105.00	+119.55	+14.55	200.00	P
7	4	fd2	+219.00	+213.85	-5.15	200.00	P
7	4	fd3	+382.00	+382.41	+0.41	200.00	P
7	4	fd4	+684.00	+675.00	-9.00	300.00	P
7	4	fd5	+1445.00	+1420.07	-24.93	300.00	P
7	4	fd6	+2872.00	+2865.66	-6.34	300.00	P
7	4	fd7	+5337.00	+5298.62	-38.38	300.00	P
7	4	fd8	+10354.00	+10332.13	-21.87	500.00	P
7	5	fd0	+11.00	+0.00	-11.00	200.00	P
7	5	fd1	+111.00	+103.08	-7.92	200.00	P
7	5	fd2	+222.00	+217.77	-4.23	200.00	P
7	5	fd3	+366.00	+350.87	-15.13	200.00	P
7	5	fd4	+681.00	+663.73	-17.27	300.00	P
7	5	fd5	+1415.00	+1416.83	+1.83	300.00	P
7	5	fd6	+2905.00	+2886.17	-18.83	300.00	P
7	5	fd7	+5279.00	+5275.22	-3.78	300.00	P
7	5	fd8	+10392.00	+10381.27	-10.73	500.00	P
7	6	fd0	+10.00	+9.49	-0.51	200.00	P
7	6	fd1	+110.00	+122.58	+12.58	200.00	P
7	6	fd2	+223.00	+216.41	-6.59	200.00	P
7	6	fd3	+365.00	+378.05	+13.05	200.00	P
7	6	fd4	+675.00	+687.85	+12.85	300.00	P
7	6	fd5	+1417.00	+1425.57	+8.57	300.00	P
7	6	fd6	+2909.00	+2912.42	+3.42	300.00	P
7	6	fd7	+5345.00	+5350.29	+5.29	300.00	P
7	6	fd8	+10451.00	+10489.60	+38.60	500.00	P
7	7	fd0	+10.00	+0.00	-10.00	200.00	P
7	7	fd1	+121.00	+105.90	-15.10	200.00	P
7	7	fd2	+217.00	+198.09	-18.91	200.00	P
7	7	fd3	+367.00	+352.03	-14.97	200.00	P
7	7	fd4	+712.00	+686.55	-25.45	300.00	P
7	7	fd5	+1461.00	+1381.49	-79.51	300.00	P
7	7	fd6	+2918.00	+2870.94	-47.06	300.00	P
7	7	fd7	+5371.00	+5310.26	-60.74	300.00	P

7	7	fd8	+10441.00	+10380.30	-60.70	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
8	0	fd0	+9.00	+0.00	-9.00	200.00	P
8	0	fd1	+115.00	+116.47	+1.47	200.00	P
8	0	fd2	+231.00	+273.57	+42.57	200.00	P
8	0	fd3	+404.00	+444.18	+40.18	200.00	P
8	0	fd4	+726.00	+730.90	+4.90	300.00	P
8	0	fd5	+1483.00	+1496.50	+13.50	300.00	P
8	0	fd6	+3062.00	+3107.52	+45.52	300.00	P
8	0	fd7	+5715.00	+5741.92	+26.92	300.00	P
8	0	fd8	+11167.00	+11159.08	-7.92	500.00	P
8	1	fd0	+10.00	+45.26	+35.26	200.00	P
8	1	fd1	+132.00	+114.97	-17.03	200.00	P
8	1	fd2	+248.00	+231.43	-16.57	200.00	P
8	1	fd3	+417.00	+398.22	-18.78	200.00	P
8	1	fd4	+731.00	+742.74	+11.74	300.00	P
8	1	fd5	+1490.00	+1471.69	-18.31	300.00	P
8	1	fd6	+3052.00	+3031.39	-20.61	300.00	P
8	1	fd7	+5706.00	+5694.68	-11.32	300.00	P
8	1	fd8	+11192.00	+11215.91	+23.91	500.00	P
8	2	fd0	+9.00	+0.00	-9.00	200.00	P
8	2	fd1	+117.00	+134.49	+17.49	200.00	P
8	2	fd2	+227.00	+193.65	-33.35	200.00	P
8	2	fd3	+425.00	+414.00	-11.00	200.00	P
8	2	fd4	+723.00	+749.16	+26.16	300.00	P
8	2	fd5	+1519.00	+1492.29	-26.71	300.00	P
8	2	fd6	+3128.00	+3108.88	-19.12	300.00	P
8	2	fd7	+5711.00	+5678.21	-32.79	300.00	P
8	2	fd8	+11315.00	+11316.59	+1.59	500.00	P
8	3	fd0	+17.00	+46.04	+29.04	200.00	P
8	3	fd1	+119.00	+114.24	-4.76	200.00	P
8	3	fd2	+271.00	+262.02	-8.98	200.00	P
8	3	fd3	+400.00	+408.25	+8.25	200.00	P
8	3	fd4	+716.00	+723.74	+7.74	300.00	P
8	3	fd5	+1495.00	+1509.43	+14.43	300.00	P
8	3	fd6	+3085.00	+3079.71	-5.29	300.00	P
8	3	fd7	+5726.00	+5683.55	-42.45	300.00	P
8	3	fd8	+11293.00	+11357.03	+64.03	500.00	P

8	4	fd0	+13.00	+28.94	+15.94	200.00	P
8	4	fd1	+132.00	+92.28	-39.72	200.00	P
8	4	fd2	+257.00	+246.35	-10.65	200.00	P
8	4	fd3	+390.00	+410.31	+20.31	200.00	P
8	4	fd4	+731.00	+712.29	-18.71	300.00	P
8	4	fd5	+1512.00	+1496.90	-15.10	300.00	P
8	4	fd6	+3124.00	+3147.94	+23.94	300.00	P
8	4	fd7	+5819.00	+5784.72	-34.28	300.00	P
8	4	fd8	+11379.00	+11377.73	-1.27	500.00	P
8	5	fd0	+12.00	+39.61	+27.61	200.00	P
8	5	fd1	+126.00	+136.35	+10.35	200.00	P
8	5	fd2	+228.00	+231.23	+3.23	200.00	P
8	5	fd3	+427.00	+436.98	+9.98	200.00	P
8	5	fd4	+751.00	+750.53	-0.47	300.00	P
8	5	fd5	+1512.00	+1511.68	-0.32	300.00	P
8	5	fd6	+3137.00	+3099.19	-37.81	300.00	P
8	5	fd7	+5868.00	+5834.31	-33.69	300.00	P
8	5	fd8	+11373.00	+11390.80	+17.80	500.00	P
8	6	fd0	+9.00	+37.21	+28.21	200.00	P
8	6	fd1	+107.00	+109.79	+2.79	200.00	P
8	6	fd2	+240.00	+230.58	-9.42	200.00	P
8	6	fd3	+404.00	+388.54	-15.46	200.00	P
8	6	fd4	+734.00	+726.16	-7.84	300.00	P
8	6	fd5	+1540.00	+1549.79	+9.79	300.00	P
8	6	fd6	+3115.00	+3113.33	-1.67	300.00	P
8	6	fd7	+5779.00	+5833.83	+54.83	300.00	P
8	6	fd8	+11370.00	+11406.06	+36.06	500.00	P
8	7	fd0	+14.00	+35.65	+21.65	200.00	P
8	7	fd1	+127.00	+101.84	-25.16	200.00	P
8	7	fd2	+241.00	+214.94	-26.06	200.00	P
8	7	fd3	+389.00	+383.11	-5.89	200.00	P
8	7	fd4	+762.00	+760.64	-1.36	300.00	P
8	7	fd5	+1543.00	+1507.65	-35.35	300.00	P
8	7	fd6	+3123.00	+3092.06	-30.94	300.00	P
8	7	fd7	+5851.00	+5798.50	-52.50	300.00	P
8	7	fd8	+11383.00	+11338.69	-44.31	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
9	0	fd0	+13.00	+7.15	-5.85	200.00	P
9	0	fd1	+110.00	+164.30	+54.30	200.00	P

9	0	fd2	+237.00	+261.24	+24.24	200.00	P
9	0	fd3	+405.00	+379.77	-25.23	200.00	P
9	0	fd4	+719.00	+695.20	-23.80	300.00	P
9	0	fd5	+1521.00	+1497.28	-23.72	300.00	P
9	0	fd6	+3123.00	+3132.60	+9.60	300.00	P
9	0	fd7	+5769.00	+5761.45	-7.55	300.00	P
9	0	fd8	+11455.00	+11432.93	-22.07	500.00	P
9	1	fd0	+14.00	+33.66	+19.66	200.00	P
9	1	fd1	+119.00	+106.78	-12.22	200.00	P
9	1	fd2	+234.00	+231.89	-2.11	200.00	P
9	1	fd3	+414.00	+428.18	+14.18	200.00	P
9	1	fd4	+704.00	+737.56	+33.56	300.00	P
9	1	fd5	+1522.00	+1512.88	-9.12	300.00	P
9	1	fd6	+3090.00	+3114.09	+24.09	300.00	P
9	1	fd7	+5832.00	+5760.80	-71.20	300.00	P
9	1	fd8	+11409.00	+11413.41	+4.41	500.00	P
9	2	fd0	+15.00	+5.68	-9.32	200.00	P
9	2	fd1	+131.00	+122.07	-8.93	200.00	P
9	2	fd2	+238.00	+228.20	-9.80	200.00	P
9	2	fd3	+394.00	+374.74	-19.26	200.00	P
9	2	fd4	+740.00	+757.91	+17.91	300.00	P
9	2	fd5	+1488.00	+1465.78	-22.22	300.00	P
9	2	fd6	+3108.00	+3119.78	+11.78	300.00	P
9	2	fd7	+5806.00	+5802.08	-3.92	300.00	P
9	2	fd8	+11462.00	+11409.82	-52.18	500.00	P
9	3	fd0	+14.00	+17.55	+3.55	200.00	P
9	3	fd1	+136.00	+131.42	-4.58	200.00	P
9	3	fd2	+247.00	+269.24	+22.24	200.00	P
9	3	fd3	+428.00	+441.07	+13.07	200.00	P
9	3	fd4	+729.00	+749.66	+20.66	300.00	P
9	3	fd5	+1545.00	+1547.30	+2.30	300.00	P
9	3	fd6	+3110.00	+3149.05	+39.05	300.00	P
9	3	fd7	+5819.00	+5854.74	+35.74	300.00	P
9	3	fd8	+11438.00	+11461.67	+23.67	500.00	P
9	4	fd0	+17.00	+34.31	+17.31	200.00	P
9	4	fd1	+122.00	+145.26	+23.26	200.00	P
9	4	fd2	+248.00	+243.54	-4.46	200.00	P
9	4	fd3	+406.00	+398.55	-7.45	200.00	P
9	4	fd4	+771.00	+753.31	-17.69	300.00	P
9	4	fd5	+1555.00	+1529.20	-25.80	300.00	P

9	4	fd6	+3132.00	+3136.05	+4.05	300.00	P
9	4	fd7	+5878.00	+5858.60	-19.40	300.00	P
9	4	fd8	+11478.00	+11443.68	-34.32	500.00	P
9	5	fd0	+15.00	+27.47	+12.47	200.00	P
9	5	fd1	+131.00	+157.07	+26.07	200.00	P
9	5	fd2	+249.00	+269.79	+20.79	200.00	P
9	5	fd3	+416.00	+434.55	+18.55	200.00	P
9	5	fd4	+774.00	+742.15	-31.85	300.00	P
9	5	fd5	+1540.00	+1505.80	-34.20	300.00	P
9	5	fd6	+3191.00	+3144.65	-46.35	300.00	P
9	5	fd7	+5930.00	+5841.76	-88.24	300.00	P
9	5	fd8	+11548.00	+11541.44	-6.56	500.00	P
9	6	fd0	+13.00	+17.84	+4.84	200.00	P
9	6	fd1	+112.00	+118.19	+6.19	200.00	P
9	6	fd2	+255.00	+242.37	-12.63	200.00	P
9	6	fd3	+411.00	+421.80	+10.80	200.00	P
9	6	fd4	+714.00	+713.10	-0.90	300.00	P
9	6	fd5	+1521.00	+1476.82	-44.18	300.00	P
9	6	fd6	+3145.00	+3094.41	-50.59	300.00	P
9	6	fd7	+5842.00	+5809.01	-32.99	300.00	P
9	6	fd8	+11452.00	+11445.22	-6.78	500.00	P
9	7	fd0	+13.00	+35.59	+22.59	200.00	P
9	7	fd1	+126.00	+118.78	-7.22	200.00	P
9	7	fd2	+222.00	+240.53	+18.53	200.00	P
9	7	fd3	+428.00	+447.54	+19.54	200.00	P
9	7	fd4	+754.00	+758.18	+4.18	300.00	P
9	7	fd5	+1518.00	+1500.75	-17.25	300.00	P
9	7	fd6	+3127.00	+3137.04	+10.04	300.00	P
9	7	fd7	+5844.00	+5847.81	+3.81	300.00	P
9	7	fd8	+11465.00	+11482.45	+17.45	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
10	0	fd0	+12.00	+6.20	-5.80	200.00	P
10	0	fd1	+116.00	+123.25	+7.25	200.00	P
10	0	fd2	+240.00	+250.17	+10.17	200.00	P
10	0	fd3	+405.00	+408.21	+3.21	200.00	P
10	0	fd4	+744.00	+762.58	+18.58	300.00	P
10	0	fd5	+1528.00	+1534.07	+6.07	300.00	P
10	0	fd6	+3134.00	+3162.09	+28.09	300.00	P
10	0	fd7	+5865.00	+5889.49	+24.49	300.00	P

10	0	fd8	+11488.00	+11483.08	-4.92	500.00	P
10	1	fd0	+9.00	+8.05	-0.95	200.00	P
10	1	fd1	+125.00	+130.61	+5.61	200.00	P
10	1	fd2	+235.00	+238.17	+3.17	200.00	P
10	1	fd3	+411.00	+388.21	-22.79	200.00	P
10	1	fd4	+729.00	+716.12	-12.88	300.00	P
10	1	fd5	+1493.00	+1485.86	-7.14	300.00	P
10	1	fd6	+3109.00	+3112.27	+3.27	300.00	P
10	1	fd7	+5834.00	+5847.07	+13.07	300.00	P
10	1	fd8	+11396.00	+11413.52	+17.52	500.00	P
10	2	fd0	+13.00	+9.60	-3.40	200.00	P
10	2	fd1	+121.00	+118.22	-2.78	200.00	P
10	2	fd2	+253.00	+236.80	-16.20	200.00	P
10	2	fd3	+415.00	+425.90	+10.90	200.00	P
10	2	fd4	+744.00	+731.93	-12.07	300.00	P
10	2	fd5	+1534.00	+1534.90	+0.90	300.00	P
10	2	fd6	+3137.00	+3118.40	-18.60	300.00	P
10	2	fd7	+5820.00	+5832.98	+12.98	300.00	P
10	2	fd8	+11419.00	+11404.45	-14.55	500.00	P
10	3	fd0	+12.00	+5.94	-6.06	200.00	P
10	3	fd1	+120.00	+114.66	-5.34	200.00	P
10	3	fd2	+242.00	+233.54	-8.46	200.00	P
10	3	fd3	+400.00	+396.09	-3.91	200.00	P
10	3	fd4	+730.00	+715.70	-14.30	300.00	P
10	3	fd5	+1478.00	+1485.46	+7.46	300.00	P
10	3	fd6	+3062.00	+3074.13	+12.13	300.00	P
10	3	fd7	+5796.00	+5792.42	-3.58	300.00	P
10	3	fd8	+11378.00	+11410.78	+32.78	500.00	P
10	4	fd0	+12.00	+13.23	+1.23	200.00	P
10	4	fd1	+134.00	+130.33	-3.67	200.00	P
10	4	fd2	+257.00	+256.26	-0.74	200.00	P
10	4	fd3	+409.00	+403.46	-5.54	200.00	P
10	4	fd4	+723.00	+748.21	+25.21	300.00	P
10	4	fd5	+1539.00	+1527.98	-11.02	300.00	P
10	4	fd6	+3142.00	+3124.69	-17.31	300.00	P
10	4	fd7	+5834.00	+5809.62	-24.38	300.00	P
10	4	fd8	+11438.00	+11452.36	+14.36	500.00	P
10	5	fd0	+13.00	+20.11	+7.11	200.00	P
10	5	fd1	+109.00	+113.29	+4.29	200.00	P

10	5	fd2	+251.00	+246.78	-4.22	200.00	P
10	5	fd3	+410.00	+398.40	-11.60	200.00	P
10	5	fd4	+725.00	+724.86	-0.14	300.00	P
10	5	fd5	+1502.00	+1494.11	-7.89	300.00	P
10	5	fd6	+3116.00	+3070.97	-45.03	300.00	P
10	5	fd7	+5836.00	+5794.05	-41.95	300.00	P
10	5	fd8	+11425.00	+11452.70	+27.70	500.00	P
10	6	fd0	+12.00	+6.34	-5.66	200.00	P
10	6	fd1	+112.00	+106.92	-5.08	200.00	P
10	6	fd2	+243.00	+214.19	-28.81	200.00	P
10	6	fd3	+415.00	+403.40	-11.60	200.00	P
10	6	fd4	+732.00	+726.30	-5.70	300.00	P
10	6	fd5	+1508.00	+1519.14	+11.14	300.00	P
10	6	fd6	+3115.00	+3112.85	-2.15	300.00	P
10	6	fd7	+5796.00	+5824.44	+28.44	300.00	P
10	6	fd8	+11356.00	+11366.89	+10.89	500.00	P
10	7	fd0	+11.00	+7.92	-3.08	200.00	P
10	7	fd1	+118.00	+114.47	-3.53	200.00	P
10	7	fd2	+239.00	+228.25	-10.75	200.00	P
10	7	fd3	+404.00	+390.29	-13.71	200.00	P
10	7	fd4	+745.00	+713.00	-32.00	300.00	P
10	7	fd5	+1508.00	+1472.49	-35.51	300.00	P
10	7	fd6	+3111.00	+3084.95	-26.05	300.00	P
10	7	fd7	+5777.00	+5744.99	-32.01	300.00	P
10	7	fd8	+11338.00	+11324.03	-13.97	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
11	0	fd0	+10.00	+8.03	-1.97	200.00	P
11	0	fd1	+110.00	+128.32	+18.32	200.00	P
11	0	fd2	+237.00	+242.49	+5.49	200.00	P
11	0	fd3	+410.00	+389.14	-20.86	200.00	P
11	0	fd4	+746.00	+719.41	-26.59	300.00	P
11	0	fd5	+1475.00	+1452.51	-22.49	300.00	P
11	0	fd6	+3093.00	+3071.48	-21.52	300.00	P
11	0	fd7	+5721.00	+5722.21	+1.21	300.00	P
11	0	fd8	+11262.00	+11235.76	-26.24	500.00	P
11	1	fd0	+10.00	+24.80	+14.80	200.00	P
11	1	fd1	+128.00	+139.13	+11.13	200.00	P
11	1	fd2	+258.00	+240.76	-17.24	200.00	P
11	1	fd3	+401.00	+405.67	+4.67	200.00	P

11	1	fd4	+731.00	+738.60	+7.60	300.00	P
11	1	fd5	+1511.00	+1516.58	+5.58	300.00	P
11	1	fd6	+3101.00	+3106.16	+5.16	300.00	P
11	1	fd7	+5751.00	+5756.08	+5.08	300.00	P
11	1	fd8	+11243.00	+11280.42	+37.42	500.00	P
11	2	fd0	+14.00	+9.50	-4.50	200.00	P
11	2	fd1	+118.00	+99.86	-18.14	200.00	P
11	2	fd2	+233.00	+230.54	-2.46	200.00	P
11	2	fd3	+409.00	+414.87	+5.87	200.00	P
11	2	fd4	+723.00	+731.86	+8.86	300.00	P
11	2	fd5	+1493.00	+1477.53	-15.47	300.00	P
11	2	fd6	+3074.00	+3041.91	-32.09	300.00	P
11	2	fd7	+5717.00	+5710.53	-6.47	300.00	P
11	2	fd8	+11221.00	+11190.02	-30.98	500.00	P
11	3	fd0	+12.00	+0.00	-12.00	200.00	P
11	3	fd1	+136.00	+139.87	+3.87	200.00	P
11	3	fd2	+241.00	+235.60	-5.40	200.00	P
11	3	fd3	+425.00	+415.76	-9.24	200.00	P
11	3	fd4	+736.00	+748.91	+12.91	300.00	P
11	3	fd5	+1491.00	+1490.84	-0.16	300.00	P
11	3	fd6	+3130.00	+3147.39	+17.39	300.00	P
11	3	fd7	+5780.00	+5781.69	+1.69	300.00	P
11	3	fd8	+11305.00	+11338.62	+33.62	500.00	P
11	4	fd0	+12.00	+5.21	-6.79	200.00	P
11	4	fd1	+122.00	+111.07	-10.93	200.00	P
11	4	fd2	+235.00	+248.03	+13.03	200.00	P
11	4	fd3	+407.00	+403.14	-3.86	200.00	P
11	4	fd4	+717.00	+724.18	+7.18	300.00	P
11	4	fd5	+1529.00	+1504.29	-24.71	300.00	P
11	4	fd6	+3121.00	+3093.36	-27.64	300.00	P
11	4	fd7	+5804.00	+5792.74	-11.26	300.00	P
11	4	fd8	+11410.00	+11416.64	+6.64	500.00	P
11	5	fd0	+10.00	+15.41	+5.41	200.00	P
11	5	fd1	+137.00	+132.99	-4.01	200.00	P
11	5	fd2	+244.00	+234.08	-9.92	200.00	P
11	5	fd3	+417.00	+399.09	-17.91	200.00	P
11	5	fd4	+730.00	+727.67	-2.33	300.00	P
11	5	fd5	+1540.00	+1504.20	-35.80	300.00	P
11	5	fd6	+3147.00	+3112.63	-34.37	300.00	P
11	5	fd7	+5875.00	+5857.81	-17.19	300.00	P

11	5	fd8	+11458.00	+11452.39	-5.61	500.00	P
11	6	fd0	+9.00	+14.98	+5.98	200.00	P
11	6	fd1	+110.00	+108.40	-1.60	200.00	P
11	6	fd2	+242.00	+244.09	+2.09	200.00	P
11	6	fd3	+388.00	+382.93	-5.07	200.00	P
11	6	fd4	+730.00	+734.50	+4.50	300.00	P
11	6	fd5	+1503.00	+1496.65	-6.35	300.00	P
11	6	fd6	+3107.00	+3096.34	-10.66	300.00	P
11	6	fd7	+5786.00	+5800.85	+14.85	300.00	P
11	6	fd8	+11399.00	+11384.34	-14.66	500.00	P
11	7	fd0	+7.00	+34.11	+27.11	200.00	P
11	7	fd1	+132.00	+147.30	+15.30	200.00	P
11	7	fd2	+257.00	+273.61	+16.61	200.00	P
11	7	fd3	+436.00	+449.19	+13.19	200.00	P
11	7	fd4	+736.00	+756.55	+20.55	300.00	P
11	7	fd5	+1531.00	+1520.56	-10.44	300.00	P
11	7	fd6	+3126.00	+3132.59	+6.59	300.00	P
11	7	fd7	+5843.00	+5842.56	-0.44	300.00	P
11	7	fd8	+11454.00	+11464.21	+10.21	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
12	0	fd0	+8.00	+0.00	-8.00	200.00	P
12	0	fd1	+109.00	+102.88	-6.12	200.00	P
12	0	fd2	+216.00	+219.60	+3.60	200.00	P
12	0	fd3	+363.00	+352.93	-10.07	200.00	P
12	0	fd4	+674.00	+672.48	-1.52	300.00	P
12	0	fd5	+1361.00	+1362.07	+1.07	300.00	P
12	0	fd6	+2802.00	+2786.25	-15.75	300.00	P
12	0	fd7	+5200.00	+5153.87	-46.13	300.00	P
12	0	fd8	+10224.00	+10206.27	-17.73	500.00	P
12	1	fd0	+13.00	+0.00	-13.00	200.00	P
12	1	fd1	+113.00	+93.91	-19.09	200.00	P
12	1	fd2	+226.00	+181.59	-44.41	200.00	P
12	1	fd3	+390.00	+367.17	-22.83	200.00	P
12	1	fd4	+684.00	+682.38	-1.62	300.00	P
12	1	fd5	+1430.00	+1388.51	-41.49	300.00	P
12	1	fd6	+2951.00	+2904.35	-46.65	300.00	P
12	1	fd7	+5374.00	+5312.20	-61.80	300.00	P
12	1	fd8	+10463.00	+10425.35	-37.65	500.00	P

12	2	fd0	+6.00	+26.80	+20.80	200.00	P
12	2	fd1	+106.00	+101.03	-4.97	200.00	P
12	2	fd2	+201.00	+223.50	+22.50	200.00	P
12	2	fd3	+353.00	+357.48	+4.48	200.00	P
12	2	fd4	+627.00	+673.23	+46.23	300.00	P
12	2	fd5	+1348.00	+1340.01	-7.99	300.00	P
12	2	fd6	+2790.00	+2784.45	-5.55	300.00	P
12	2	fd7	+5169.00	+5197.53	+28.53	300.00	P
12	2	fd8	+10227.00	+10237.88	+10.88	500.00	P
12	3	fd0	+6.00	+22.74	+16.74	200.00	P
12	3	fd1	+123.00	+110.78	-12.22	200.00	P
12	3	fd2	+216.00	+201.74	-14.26	200.00	P
12	3	fd3	+375.00	+366.20	-8.80	200.00	P
12	3	fd4	+705.00	+690.91	-14.09	300.00	P
12	3	fd5	+1422.00	+1403.64	-18.36	300.00	P
12	3	fd6	+2954.00	+2939.40	-14.60	300.00	P
12	3	fd7	+5379.00	+5354.79	-24.21	300.00	P
12	3	fd8	+10478.00	+10455.41	-22.59	500.00	P
12	4	fd0	+13.00	+0.00	-13.00	200.00	P
12	4	fd1	+106.00	+94.12	-11.88	200.00	P
12	4	fd2	+215.00	+198.19	-16.81	200.00	P
12	4	fd3	+364.00	+364.54	+0.54	200.00	P
12	4	fd4	+674.00	+672.03	-1.97	300.00	P
12	4	fd5	+1373.00	+1362.97	-10.03	300.00	P
12	4	fd6	+2819.00	+2774.57	-44.43	300.00	P
12	4	fd7	+5192.00	+5163.50	-28.50	300.00	P
12	4	fd8	+10278.00	+10255.58	-22.42	500.00	P
12	5	fd0	+13.00	+3.94	-9.06	200.00	P
12	5	fd1	+103.00	+97.48	-5.52	200.00	P
12	5	fd2	+218.00	+246.55	+28.55	200.00	P
12	5	fd3	+375.00	+392.10	+17.10	200.00	P
12	5	fd4	+697.00	+690.14	-6.86	300.00	P
12	5	fd5	+1457.00	+1460.55	+3.55	300.00	P
12	5	fd6	+2994.00	+2968.91	-25.09	300.00	P
12	5	fd7	+5406.00	+5400.48	-5.52	300.00	P
12	5	fd8	+10575.00	+10579.57	+4.57	500.00	P
12	6	fd0	+3.00	+14.56	+11.56	200.00	P
12	6	fd1	+103.00	+122.61	+19.61	200.00	P
12	6	fd2	+207.00	+191.03	-15.97	200.00	P
12	6	fd3	+374.00	+374.81	+0.81	200.00	P

12	6	fd4	+668.00	+681.97	+13.97	300.00	P
12	6	fd5	+1388.00	+1342.49	-45.51	300.00	P
12	6	fd6	+2789.00	+2780.32	-8.68	300.00	P
12	6	fd7	+5187.00	+5201.45	+14.45	300.00	P
12	6	fd8	+10272.00	+10239.84	-32.16	500.00	P
12	7	fd0	+14.00	+0.00	-14.00	200.00	P
12	7	fd1	+115.00	+122.57	+7.57	200.00	P
12	7	fd2	+210.00	+217.32	+7.32	200.00	P
12	7	fd3	+375.00	+366.79	-8.21	200.00	P
12	7	fd4	+720.00	+687.97	-32.03	300.00	P
12	7	fd5	+1460.00	+1427.36	-32.64	300.00	P
12	7	fd6	+2952.00	+2931.71	-20.29	300.00	P
12	7	fd7	+5406.00	+5356.77	-49.23	300.00	P
12	7	fd8	+10545.00	+10538.82	-6.18	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
13	0	fd0	+3.00	+0.00	-3.00	200.00	P
13	0	fd1	+93.00	+97.32	+4.32	200.00	P
13	0	fd2	+203.00	+209.38	+6.38	200.00	P
13	0	fd3	+378.00	+394.63	+16.63	200.00	P
13	0	fd4	+670.00	+660.69	-9.31	300.00	P
13	0	fd5	+1384.00	+1353.83	-30.17	300.00	P
13	0	fd6	+2827.00	+2805.60	-21.40	300.00	P
13	0	fd7	+5181.00	+5231.64	+50.64	300.00	P
13	0	fd8	+10309.00	+10292.50	-16.50	500.00	P
13	1	fd0	+14.00	+31.72	+17.72	200.00	P
13	1	fd1	+105.00	+101.30	-3.70	200.00	P
13	1	fd2	+224.00	+218.12	-5.88	200.00	P
13	1	fd3	+379.00	+372.41	-6.59	200.00	P
13	1	fd4	+687.00	+675.39	-11.61	300.00	P
13	1	fd5	+1436.00	+1447.10	+11.10	300.00	P
13	1	fd6	+2931.00	+2936.75	+5.75	300.00	P
13	1	fd7	+5393.00	+5403.04	+10.04	300.00	P
13	1	fd8	+10484.00	+10483.99	-0.01	500.00	P
13	2	fd0	+7.00	+0.54	-6.46	200.00	P
13	2	fd1	+120.00	+112.67	-7.33	200.00	P
13	2	fd2	+207.00	+251.40	+44.40	200.00	P
13	2	fd3	+369.00	+384.34	+15.34	200.00	P
13	2	fd4	+686.00	+697.53	+11.53	300.00	P
13	2	fd5	+1384.00	+1407.82	+23.82	300.00	P

13	2	fd6	+2812.00	+2822.26	+10.26	300.00	P
13	2	fd7	+5216.00	+5198.14	-17.86	300.00	P
13	2	fd8	+10298.00	+10308.06	+10.06	500.00	P
13	3	fd0	+3.00	+0.00	-3.00	200.00	P
13	3	fd1	+112.00	+103.12	-8.88	200.00	P
13	3	fd2	+220.00	+238.35	+18.35	200.00	P
13	3	fd3	+358.00	+340.76	-17.24	200.00	P
13	3	fd4	+706.00	+686.81	-19.19	300.00	P
13	3	fd5	+1447.00	+1438.35	-8.65	300.00	P
13	3	fd6	+2976.00	+2981.83	+5.83	300.00	P
13	3	fd7	+5384.00	+5373.61	-10.39	300.00	P
13	3	fd8	+10539.00	+10533.68	-5.32	500.00	P
13	4	fd0	+10.00	+0.00	-10.00	200.00	P
13	4	fd1	+105.00	+116.17	+11.17	200.00	P
13	4	fd2	+229.00	+233.29	+4.29	200.00	P
13	4	fd3	+379.00	+399.13	+20.13	200.00	P
13	4	fd4	+666.00	+704.59	+38.59	300.00	P
13	4	fd5	+1378.00	+1395.55	+17.55	300.00	P
13	4	fd6	+2813.00	+2830.56	+17.56	300.00	P
13	4	fd7	+5221.00	+5218.74	-2.26	300.00	P
13	4	fd8	+10332.00	+10358.86	+26.86	500.00	P
13	5	fd0	+6.00	+13.17	+7.17	200.00	P
13	5	fd1	+103.00	+105.20	+2.20	200.00	P
13	5	fd2	+230.00	+208.77	-21.23	200.00	P
13	5	fd3	+405.00	+368.88	-36.12	200.00	P
13	5	fd4	+731.00	+688.27	-42.73	300.00	P
13	5	fd5	+1493.00	+1432.92	-60.08	300.00	P
13	5	fd6	+3016.00	+2973.48	-42.52	300.00	P
13	5	fd7	+5477.00	+5415.37	-61.63	300.00	P
13	5	fd8	+10611.00	+10560.70	-50.30	500.00	P
13	6	fd0	+13.00	+2.53	-10.47	200.00	P
13	6	fd1	+108.00	+99.08	-8.92	200.00	P
13	6	fd2	+208.00	+203.97	-4.03	200.00	P
13	6	fd3	+354.00	+359.66	+5.66	200.00	P
13	6	fd4	+671.00	+730.88	+59.88	300.00	P
13	6	fd5	+1359.00	+1415.93	+56.93	300.00	P
13	6	fd6	+2819.00	+2844.55	+25.55	300.00	P
13	6	fd7	+5210.00	+5218.21	+8.21	300.00	P
13	6	fd8	+10318.00	+10328.39	+10.39	500.00	P

13	7	fd0	+14.00	+0.00	-14.00	200.00	P
13	7	fd1	+111.00	+119.32	+8.32	200.00	P
13	7	fd2	+223.00	+229.67	+6.67	200.00	P
13	7	fd3	+396.00	+382.29	-13.71	200.00	P
13	7	fd4	+708.00	+652.78	-55.22	300.00	P
13	7	fd5	+1478.00	+1427.28	-50.72	300.00	P
13	7	fd6	+2964.00	+2951.42	-12.58	300.00	P
13	7	fd7	+5414.00	+5381.40	-32.60	300.00	P
13	7	fd8	+10557.00	+10516.65	-40.35	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
14	0	fd0	+13.00	+5.28	-7.72	200.00	P
14	0	fd1	+99.00	+101.28	+2.28	200.00	P
14	0	fd2	+197.00	+216.90	+19.90	200.00	P
14	0	fd3	+378.00	+378.20	+0.20	200.00	P
14	0	fd4	+684.00	+691.60	+7.60	300.00	P
14	0	fd5	+1376.00	+1369.75	-6.25	300.00	P
14	0	fd6	+2832.00	+2821.49	-10.51	300.00	P
14	0	fd7	+5254.00	+5266.98	+12.98	300.00	P
14	0	fd8	+10348.00	+10341.28	-6.72	500.00	P
14	1	fd0	+7.00	+2.18	-4.82	200.00	P
14	1	fd1	+114.00	+106.97	-7.03	200.00	P
14	1	fd2	+213.00	+203.45	-9.55	200.00	P
14	1	fd3	+386.00	+372.17	-13.83	200.00	P
14	1	fd4	+696.00	+664.51	-31.49	300.00	P
14	1	fd5	+1414.00	+1392.02	-21.98	300.00	P
14	1	fd6	+2918.00	+2902.25	-15.75	300.00	P
14	1	fd7	+5362.00	+5360.89	-1.11	300.00	P
14	1	fd8	+10506.00	+10480.41	-25.59	500.00	P
14	2	fd0	+12.00	+10.41	-1.59	200.00	P
14	2	fd1	+109.00	+112.29	+3.29	200.00	P
14	2	fd2	+207.00	+218.11	+11.11	200.00	P
14	2	fd3	+364.00	+368.03	+4.03	200.00	P
14	2	fd4	+674.00	+689.35	+15.35	300.00	P
14	2	fd5	+1384.00	+1392.12	+8.12	300.00	P
14	2	fd6	+2828.00	+2820.68	-7.32	300.00	P
14	2	fd7	+5269.00	+5288.53	+19.53	300.00	P
14	2	fd8	+10310.00	+10292.05	-17.95	500.00	P
14	3	fd0	+11.00	+3.46	-7.54	200.00	P
14	3	fd1	+108.00	+96.50	-11.50	200.00	P

14	3	fd2	+204.00	+199.59	-4.41	200.00	P
14	3	fd3	+380.00	+366.98	-13.02	200.00	P
14	3	fd4	+674.00	+661.80	-12.20	300.00	P
14	3	fd5	+1410.00	+1399.34	-10.66	300.00	P
14	3	fd6	+2916.00	+2914.91	-1.09	300.00	P
14	3	fd7	+5321.00	+5335.72	+14.72	300.00	P
14	3	fd8	+10507.00	+10506.32	-0.68	500.00	P
14	4	fd0	+13.00	+22.16	+9.16	200.00	P
14	4	fd1	+116.00	+117.73	+1.73	200.00	P
14	4	fd2	+208.00	+206.93	-1.07	200.00	P
14	4	fd3	+363.00	+367.41	+4.41	200.00	P
14	4	fd4	+687.00	+690.34	+3.34	300.00	P
14	4	fd5	+1368.00	+1371.99	+3.99	300.00	P
14	4	fd6	+2831.00	+2840.81	+9.81	300.00	P
14	4	fd7	+5235.00	+5229.72	-5.28	300.00	P
14	4	fd8	+10336.00	+10350.46	+14.46	500.00	P
14	5	fd0	+9.00	+10.80	+1.80	200.00	P
14	5	fd1	+119.00	+116.36	-2.64	200.00	P
14	5	fd2	+216.00	+208.97	-7.03	200.00	P
14	5	fd3	+384.00	+382.80	-1.20	200.00	P
14	5	fd4	+697.00	+682.85	-14.15	300.00	P
14	5	fd5	+1445.00	+1429.27	-15.73	300.00	P
14	5	fd6	+2918.00	+2913.75	-4.25	300.00	P
14	5	fd7	+5372.00	+5314.47	-57.53	300.00	P
14	5	fd8	+10532.00	+10534.76	+2.76	500.00	P
14	6	fd0	+3.00	+8.63	+5.63	200.00	P
14	6	fd1	+102.00	+119.17	+17.17	200.00	P
14	6	fd2	+211.00	+228.56	+17.56	200.00	P
14	6	fd3	+359.00	+365.28	+6.28	200.00	P
14	6	fd4	+678.00	+693.09	+15.09	300.00	P
14	6	fd5	+1373.00	+1399.00	+26.00	300.00	P
14	6	fd6	+2813.00	+2823.59	+10.59	300.00	P
14	6	fd7	+5169.00	+5189.57	+20.57	300.00	P
14	6	fd8	+10293.00	+10301.31	+8.31	500.00	P
14	7	fd0	+10.00	+12.77	+2.77	200.00	P
14	7	fd1	+116.00	+106.89	-9.11	200.00	P
14	7	fd2	+204.00	+189.99	-14.01	200.00	P
14	7	fd3	+383.00	+364.99	-18.01	200.00	P
14	7	fd4	+669.00	+667.92	-1.08	300.00	P
14	7	fd5	+1432.00	+1406.96	-25.04	300.00	P

14	7	fd6	+2921.00	+2881.01	-39.99	300.00	P
14	7	fd7	+5354.00	+5342.96	-11.04	300.00	P
14	7	fd8	+10428.00	+10411.17	-16.83	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
15	0	fd0	+10.00	+21.19	+11.19	200.00	P
15	0	fd1	+109.00	+103.24	-5.76	200.00	P
15	0	fd2	+221.00	+221.08	+0.08	200.00	P
15	0	fd3	+363.00	+385.33	+22.33	200.00	P
15	0	fd4	+672.00	+677.28	+5.28	300.00	P
15	0	fd5	+1345.00	+1345.56	+0.56	300.00	P
15	0	fd6	+2790.00	+2758.96	-31.04	300.00	P
15	0	fd7	+5142.00	+5125.42	-16.58	300.00	P
15	0	fd8	+10104.00	+10117.60	+13.60	500.00	P
15	1	fd0	+11.00	+4.21	-6.79	200.00	P
15	1	fd1	+99.00	+81.60	-17.40	200.00	P
15	1	fd2	+218.00	+219.00	+1.00	200.00	P
15	1	fd3	+339.00	+322.05	-16.95	200.00	P
15	1	fd4	+679.00	+640.43	-38.57	300.00	P
15	1	fd5	+1375.00	+1383.61	+8.61	300.00	P
15	1	fd6	+2871.00	+2887.41	+16.41	300.00	P
15	1	fd7	+5268.00	+5240.45	-27.55	300.00	P
15	1	fd8	+10281.00	+10288.66	+7.66	500.00	P
15	2	fd0	+11.00	+0.00	-11.00	200.00	P
15	2	fd1	+104.00	+113.12	+9.12	200.00	P
15	2	fd2	+203.00	+217.34	+14.34	200.00	P
15	2	fd3	+346.00	+377.55	+31.55	200.00	P
15	2	fd4	+683.00	+680.20	-2.80	300.00	P
15	2	fd5	+1391.00	+1405.72	+14.72	300.00	P
15	2	fd6	+2823.00	+2813.43	-9.57	300.00	P
15	2	fd7	+5149.00	+5193.46	+44.46	300.00	P
15	2	fd8	+10145.00	+10143.58	-1.42	500.00	P
15	3	fd0	+11.00	+10.88	-0.12	200.00	P
15	3	fd1	+116.00	+113.02	-2.98	200.00	P
15	3	fd2	+215.00	+178.75	-36.25	200.00	P
15	3	fd3	+361.00	+364.44	+3.44	200.00	P
15	3	fd4	+674.00	+682.76	+8.76	300.00	P
15	3	fd5	+1386.00	+1421.49	+35.49	300.00	P
15	3	fd6	+2838.00	+2855.80	+17.80	300.00	P
15	3	fd7	+5262.00	+5251.85	-10.15	300.00	P

15	3	fd8	+10249.00	+10265.55	+16.55	500.00	P
15	4	fd0	+15.00	+11.22	-3.78	200.00	P
15	4	fd1	+102.00	+110.37	+8.37	200.00	P
15	4	fd2	+209.00	+222.61	+13.61	200.00	P
15	4	fd3	+377.00	+368.55	-8.45	200.00	P
15	4	fd4	+656.00	+659.56	+3.56	300.00	P
15	4	fd5	+1395.00	+1391.74	-3.26	300.00	P
15	4	fd6	+2812.00	+2863.93	+51.93	300.00	P
15	4	fd7	+5195.00	+5215.09	+20.09	300.00	P
15	4	fd8	+10233.00	+10241.98	+8.98	500.00	P
15	5	fd0	+13.00	+10.84	-2.16	200.00	P
15	5	fd1	+114.00	+111.56	-2.44	200.00	P
15	5	fd2	+206.00	+227.09	+21.09	200.00	P
15	5	fd3	+397.00	+383.58	-13.42	200.00	P
15	5	fd4	+688.00	+684.97	-3.03	300.00	P
15	5	fd5	+1433.00	+1385.10	-47.90	300.00	P
15	5	fd6	+2901.00	+2874.56	-26.44	300.00	P
15	5	fd7	+5311.00	+5278.05	-32.95	300.00	P
15	5	fd8	+10303.00	+10313.16	+10.16	500.00	P
15	6	fd0	+12.00	+24.91	+12.91	200.00	P
15	6	fd1	+108.00	+127.47	+19.47	200.00	P
15	6	fd2	+193.00	+212.05	+19.05	200.00	P
15	6	fd3	+357.00	+346.44	-10.56	200.00	P
15	6	fd4	+664.00	+700.20	+36.20	300.00	P
15	6	fd5	+1411.00	+1400.71	-10.29	300.00	P
15	6	fd6	+2831.00	+2822.79	-8.21	300.00	P
15	6	fd7	+5178.00	+5175.47	-2.53	300.00	P
15	6	fd8	+10261.00	+10286.19	+25.19	500.00	P
15	7	fd0	+9.00	+4.42	-4.58	200.00	P
15	7	fd1	+117.00	+115.68	-1.32	200.00	P
15	7	fd2	+212.00	+206.17	-5.83	200.00	P
15	7	fd3	+367.00	+343.43	-23.57	200.00	P
15	7	fd4	+696.00	+660.38	-35.62	300.00	P
15	7	fd5	+1441.00	+1405.18	-35.82	300.00	P
15	7	fd6	+2889.00	+2853.24	-35.76	300.00	P
15	7	fd7	+5298.00	+5232.60	-65.40	300.00	P
15	7	fd8	+10278.00	+10235.17	-42.83	500.00	P

TG Extend Bit Section:

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
0	0	Extend	+9077.00	+9081.68	+4.68	200.00	P
0	1	Extend	+9130.00	+9151.97	+21.97	200.00	P
0	2	Extend	+9170.00	+9167.96	-2.04	200.00	P
0	3	Extend	+9220.00	+9227.61	+7.61	200.00	P
0	4	Extend	+9255.00	+9225.08	-29.92	200.00	P
0	5	Extend	+9297.00	+9279.27	-17.73	200.00	P
0	6	Extend	+9224.00	+9209.15	-14.85	200.00	P
0	7	Extend	+9298.00	+9290.50	-7.50	200.00	P
1	0	Extend	+9260.00	+9259.84	-0.16	200.00	P
1	1	Extend	+9279.00	+9232.31	-46.69	200.00	P
1	2	Extend	+9273.00	+9250.82	-22.18	200.00	P
1	3	Extend	+9340.00	+9332.77	-7.23	200.00	P
1	4	Extend	+9342.00	+9330.48	-11.52	200.00	P
1	5	Extend	+9402.00	+9374.22	-27.78	200.00	P
1	6	Extend	+9353.00	+9353.36	+0.36	200.00	P
1	7	Extend	+9433.00	+9405.74	-27.26	200.00	P
2	0	Extend	+9329.00	+9357.45	+28.45	200.00	P
2	1	Extend	+9343.00	+9340.90	-2.10	200.00	P
2	2	Extend	+9333.00	+9321.52	-11.48	200.00	P
2	3	Extend	+9352.00	+9359.26	+7.26	200.00	P
2	4	Extend	+9338.00	+9314.63	-23.37	200.00	P
2	5	Extend	+9418.00	+9420.24	+2.24	200.00	P
2	6	Extend	+9314.00	+9292.06	-21.94	200.00	P
2	7	Extend	+9310.00	+9290.47	-19.53	200.00	P
3	0	Extend	+9216.00	+9228.34	+12.34	200.00	P
3	1	Extend	+9331.00	+9294.49	-36.51	200.00	P
3	2	Extend	+8922.00	+8932.60	+10.60	200.00	P
3	3	Extend	+9047.00	+9047.93	+0.93	200.00	P
3	4	Extend	+9090.00	+9092.01	+2.01	200.00	P
3	5	Extend	+9140.00	+9087.04	-52.96	200.00	P
3	6	Extend	+9128.00	+9155.68	+27.68	200.00	P
3	7	Extend	+9118.00	+9072.70	-45.30	200.00	P
4	0	Extend	+8366.00	+8329.18	-36.82	200.00	P
4	1	Extend	+8375.00	+8385.79	+10.79	200.00	P
4	2	Extend	+8395.00	+8378.66	-16.34	200.00	P
4	3	Extend	+8376.00	+8393.69	+17.69	200.00	P
4	4	Extend	+8444.00	+8406.38	-37.62	200.00	P
4	5	Extend	+8476.00	+8413.45	-62.55	200.00	P

4	6	Extend	+8353.00	+8338.09	-14.91	200.00	P
4	7	Extend	+8433.00	+8384.63	-48.37	200.00	P
5	0	Extend	+8482.00	+8464.78	-17.22	200.00	P
5	1	Extend	+8422.00	+8413.65	-8.35	200.00	P
5	2	Extend	+8438.00	+8442.56	+4.56	200.00	P
5	3	Extend	+8412.00	+8404.81	-7.19	200.00	P
5	4	Extend	+8490.00	+8521.70	+31.70	200.00	P
5	5	Extend	+8434.00	+8402.37	-31.63	200.00	P
5	6	Extend	+8459.00	+8441.75	-17.25	200.00	P
5	7	Extend	+8461.00	+8390.30	-70.70	200.00	P
6	0	Extend	+8475.00	+8479.15	+4.15	200.00	P
6	1	Extend	+8457.00	+8458.09	+1.09	200.00	P
6	2	Extend	+8527.00	+8520.10	-6.90	200.00	P
6	3	Extend	+8475.00	+8466.62	-8.38	200.00	P
6	4	Extend	+8505.00	+8500.21	-4.79	200.00	P
6	5	Extend	+8507.00	+8471.66	-35.34	200.00	P
6	6	Extend	+8508.00	+8500.30	-7.70	200.00	P
6	7	Extend	+8508.00	+8492.47	-15.53	200.00	P
7	0	Extend	+8308.00	+8338.82	+30.82	200.00	P
7	1	Extend	+8376.00	+8350.25	-25.75	200.00	P
7	2	Extend	+8467.00	+8481.06	+14.06	200.00	P
7	3	Extend	+8408.00	+8386.01	-21.99	200.00	P
7	4	Extend	+8463.00	+8473.10	+10.10	200.00	P
7	5	Extend	+8457.00	+8398.68	-58.32	200.00	P
7	6	Extend	+8484.00	+8471.58	-12.42	200.00	P
7	7	Extend	+8523.00	+8487.10	-35.90	200.00	P
8	0	Extend	+9090.00	+9098.22	+8.22	200.00	P
8	1	Extend	+9056.00	+9103.70	+47.70	200.00	P
8	2	Extend	+9194.00	+9174.45	-19.55	200.00	P
8	3	Extend	+9201.00	+9258.55	+57.55	200.00	P
8	4	Extend	+9256.00	+9244.54	-11.46	200.00	P
8	5	Extend	+9314.00	+9267.53	-46.47	200.00	P
8	6	Extend	+9230.00	+9237.02	+7.02	200.00	P
8	7	Extend	+9242.00	+9242.16	+0.16	200.00	P
9	0	Extend	+9256.00	+9256.80	+0.80	200.00	P
9	1	Extend	+9304.00	+9300.06	-3.94	200.00	P
9	2	Extend	+9261.00	+9291.91	+30.91	200.00	P
9	3	Extend	+9351.00	+9284.29	-66.71	200.00	P
9	4	Extend	+9344.00	+9310.44	-33.56	200.00	P

9	5	Extend	+9369.00	+9287.51	-81.49	200.00	P
9	6	Extend	+9346.00	+9366.91	+20.91	200.00	P
9	7	Extend	+9348.00	+9290.98	-57.02	200.00	P
10	0	Extend	+9325.00	+9329.21	+4.21	200.00	P
10	1	Extend	+9282.00	+9304.96	+22.96	200.00	P
10	2	Extend	+9315.00	+9290.07	-24.93	200.00	P
10	3	Extend	+9290.00	+9295.42	+5.42	200.00	P
10	4	Extend	+9294.00	+9285.57	-8.43	200.00	P
10	5	Extend	+9328.00	+9300.15	-27.85	200.00	P
10	6	Extend	+9284.00	+9263.85	-20.15	200.00	P
10	7	Extend	+9235.00	+9244.91	+9.91	200.00	P
11	0	Extend	+9188.00	+9184.47	-3.53	200.00	P
11	1	Extend	+9175.00	+9161.27	-13.73	200.00	P
11	2	Extend	+9100.00	+9058.34	-41.66	200.00	P
11	3	Extend	+9220.00	+9206.11	-13.89	200.00	P
11	4	Extend	+9148.00	+9149.22	+1.22	200.00	P
11	5	Extend	+9246.00	+9213.89	-32.11	200.00	P
11	6	Extend	+9245.00	+9247.04	+2.04	200.00	P
11	7	Extend	+9307.00	+9252.75	-54.25	200.00	P
12	0	Extend	+8170.00	+8187.04	+17.04	200.00	P
12	1	Extend	+8373.00	+8387.13	+14.13	200.00	P
12	2	Extend	+8211.00	+8234.25	+23.25	200.00	P
12	3	Extend	+8474.00	+8480.32	+6.32	200.00	P
12	4	Extend	+8248.00	+8248.36	+0.36	200.00	P
12	5	Extend	+8498.00	+8483.67	-14.33	200.00	P
12	6	Extend	+8250.00	+8244.30	-5.70	200.00	P
12	7	Extend	+8459.00	+8459.66	+0.66	200.00	P
13	0	Extend	+8217.00	+8229.39	+12.39	200.00	P
13	1	Extend	+8479.00	+8492.45	+13.45	200.00	P
13	2	Extend	+8289.00	+8288.61	-0.39	200.00	P
13	3	Extend	+8484.00	+8487.26	+3.26	200.00	P
13	4	Extend	+8313.00	+8304.35	-8.65	200.00	P
13	5	Extend	+8509.00	+8489.04	-19.96	200.00	P
13	6	Extend	+8271.00	+8259.25	-11.75	200.00	P
13	7	Extend	+8547.00	+8496.56	-50.44	200.00	P
14	0	Extend	+8271.00	+8274.56	+3.56	200.00	P
14	1	Extend	+8448.00	+8446.43	-1.57	200.00	P
14	2	Extend	+8254.00	+8270.31	+16.31	200.00	P
14	3	Extend	+8471.00	+8483.02	+12.02	200.00	P

14	4	Extend	+8213.00	+8190.88	-22.12	200.00	P
14	5	Extend	+8462.00	+8435.38	-26.62	200.00	P
14	6	Extend	+8215.00	+8205.11	-9.89	200.00	P
14	7	Extend	+8491.00	+8471.16	-19.84	200.00	P
15	0	Extend	+8125.00	+8110.44	-14.56	200.00	P
15	1	Extend	+8322.00	+8330.42	+8.42	200.00	P
15	2	Extend	+8224.00	+8212.85	-11.15	200.00	P
15	3	Extend	+8322.00	+8335.32	+13.32	200.00	P
15	4	Extend	+8212.00	+8172.66	-39.34	200.00	P
15	5	Extend	+8340.00	+8296.40	-43.60	200.00	P
15	6	Extend	+8182.00	+8186.91	+4.91	200.00	P
15	7	Extend	+8364.00	+8305.34	-58.66	200.00	P

Driver Differential Mode Section:

Pin	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
1	+0.00	+0.11	+0.111	0.50	P
3	+0.00	-0.10	-0.100	0.50	P
5	+0.00	+0.16	+0.162	0.50	P
7	+0.00	-0.02	-0.022	0.50	P
9	+0.00	+0.13	+0.128	0.50	P
11	+0.00	-0.09	-0.094	0.50	P
13	+0.00	+0.11	+0.106	0.50	P
15	+0.00	+0.04	+0.043	0.50	P

Driver VTT Differential Mode Section:

Pin	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
1	+0.00	-0.07	-0.075	0.50	P
3	+0.00	-0.01	-0.007	0.50	P
5	+0.00	-0.02	-0.022	0.50	P
7	+0.00	-0.00	-0.005	0.50	P
9	+0.00	-0.05	-0.049	0.50	P
11	+0.00	-0.05	-0.053	0.50	P
13	+0.00	+0.04	+0.038	0.50	P
15	+0.00	+0.11	+0.108	0.50	P

Cal Board driver deskew adjust from pin 0 = 103pS, at temp delta = 0.00(C), lim= 5.00 nSec P

Driver Timing Section:

Pin	TG	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	TCLK	+0.00	-0.01	-0.014	0.50	P

0	0	+0.00	-0.06	-0.056	0.50	P
0	1	+0.00	-0.05	-0.051	0.50	P
0	2	+0.00	-0.08	-0.083	0.50	P
0	3	+0.00	-0.05	-0.053	0.50	P
0	4	+0.00	-0.04	-0.040	0.50	P
0	5	+0.00	-0.01	-0.015	0.50	P
0	6	+0.00	-0.08	-0.079	0.50	P
0	7	+0.00	-0.04	-0.042	0.50	P
1	TCLK	+0.00	-0.08	-0.081	0.50	P
1	0	+0.00	-0.00	-0.004	0.50	P
1	1	+0.00	-0.06	-0.061	0.50	P
1	2	+0.00	-0.04	-0.037	0.50	P
1	3	+0.00	-0.09	-0.085	0.50	P
1	4	+0.00	-0.08	-0.083	0.50	P
1	5	+0.00	-0.07	-0.071	0.50	P
1	6	+0.00	-0.05	-0.046	0.50	P
1	7	+0.00	-0.07	-0.069	0.50	P
2	TCLK	+0.00	-0.06	-0.060	0.50	P
2	0	+0.00	-0.14	-0.142	0.50	P
2	1	+0.00	-0.04	-0.035	0.50	P
2	2	+0.00	-0.12	-0.118	0.50	P
2	3	+0.00	-0.07	-0.069	0.50	P
2	4	+0.00	-0.13	-0.132	0.50	P
2	5	+0.00	-0.11	-0.110	0.50	P
2	6	+0.00	-0.05	-0.054	0.50	P
2	7	+0.00	-0.12	-0.116	0.50	P
3	TCLK	+0.00	-0.09	-0.089	0.50	P
3	0	+0.00	-0.04	-0.041	0.50	P
3	1	+0.00	-0.10	-0.098	0.50	P
3	2	+0.00	-0.10	-0.105	0.50	P
3	3	+0.00	-0.14	-0.139	0.50	P
3	4	+0.00	-0.11	-0.114	0.50	P
3	5	+0.00	-0.09	-0.091	0.50	P
3	6	+0.00	-0.08	-0.076	0.50	P
3	7	+0.00	-0.08	-0.083	0.50	P
4	TCLK	+0.00	-0.05	-0.048	0.50	P
4	0	+0.00	-0.03	-0.034	0.50	P
4	1	+0.00	-0.09	-0.086	0.50	P
4	2	+0.00	-0.10	-0.095	0.50	P
4	3	+0.00	-0.06	-0.059	0.50	P
4	4	+0.00	-0.10	-0.099	0.50	P
4	5	+0.00	-0.13	-0.132	0.50	P
4	6	+0.00	-0.02	-0.021	0.50	P
4	7	+0.00	-0.04	-0.036	0.50	P

5	TCLK	+0.00	-0.01	-0.007	0.50	P
5	0	+0.00	-0.11	-0.110	0.50	P
5	1	+0.00	-0.07	-0.067	0.50	P
5	2	+0.00	-0.11	-0.107	0.50	P
5	3	+0.00	-0.05	-0.046	0.50	P
5	4	+0.00	-0.10	-0.105	0.50	P
5	5	+0.00	-0.11	-0.108	0.50	P
5	6	+0.00	-0.07	-0.066	0.50	P
5	7	+0.00	-0.11	-0.112	0.50	P
6	TCLK	+0.00	-0.19	-0.190	0.50	P
6	0	+0.00	-0.13	-0.127	0.50	P
6	1	+0.00	-0.14	-0.138	0.50	P
6	2	+0.00	-0.03	-0.028	0.50	P
6	3	+0.00	-0.06	-0.057	0.50	P
6	4	+0.00	-0.15	-0.155	0.50	P
6	5	+0.00	-0.06	-0.061	0.50	P
6	6	+0.00	-0.08	-0.082	0.50	P
6	7	+0.00	-0.10	-0.097	0.50	P
7	TCLK	+0.00	-0.12	-0.120	0.50	P
7	0	+0.00	-0.07	-0.067	0.50	P
7	1	+0.00	-0.09	-0.089	0.50	P
7	2	+0.00	-0.07	-0.071	0.50	P
7	3	+0.00	-0.05	-0.050	0.50	P
7	4	+0.00	-0.12	-0.121	0.50	P
7	5	+0.00	-0.12	-0.125	0.50	P
7	6	+0.00	-0.08	-0.083	0.50	P
7	7	+0.00	-0.07	-0.065	0.50	P
8	TCLK	+0.00	+0.03	+0.032	0.50	P
8	0	+0.00	-0.11	-0.115	0.50	P
8	1	+0.00	-0.06	-0.065	0.50	P
8	2	+0.00	-0.10	-0.105	0.50	P
8	3	+0.00	-0.07	-0.073	0.50	P
8	4	+0.00	-0.15	-0.150	0.50	P
8	5	+0.00	-0.14	-0.140	0.50	P
8	6	+0.00	-0.12	-0.116	0.50	P
8	7	+0.00	-0.13	-0.134	0.50	P
9	TCLK	+0.00	-0.09	-0.086	0.50	P
9	0	+0.00	-0.15	-0.147	0.50	P
9	1	+0.00	-0.08	-0.083	0.50	P
9	2	+0.00	-0.14	-0.140	0.50	P
9	3	+0.00	-0.07	-0.068	0.50	P
9	4	+0.00	-0.08	-0.082	0.50	P
9	5	+0.00	-0.15	-0.145	0.50	P
9	6	+0.00	-0.07	-0.075	0.50	P

9	7	+0.00	-0.07	-0.071	0.50	P
10	TCLK	+0.00	-0.03	-0.032	0.50	P
10	0	+0.00	-0.08	-0.077	0.50	P
10	1	+0.00	-0.10	-0.096	0.50	P
10	2	+0.00	-0.11	-0.107	0.50	P
10	3	+0.00	-0.10	-0.104	0.50	P
10	4	+0.00	-0.04	-0.043	0.50	P
10	5	+0.00	-0.09	-0.088	0.50	P
10	6	+0.00	-0.15	-0.153	0.50	P
10	7	+0.00	-0.08	-0.077	0.50	P
11	TCLK	+0.00	-0.05	-0.046	0.50	P
11	0	+0.00	-0.08	-0.082	0.50	P
11	1	+0.00	-0.12	-0.122	0.50	P
11	2	+0.00	-0.04	-0.040	0.50	P
11	3	+0.00	-0.15	-0.146	0.50	P
11	4	+0.00	-0.07	-0.067	0.50	P
11	5	+0.00	-0.09	-0.090	0.50	P
11	6	+0.00	-0.13	-0.127	0.50	P
11	7	+0.00	-0.04	-0.042	0.50	P
12	TCLK	+0.00	-0.08	-0.083	0.50	P
12	0	+0.00	-0.10	-0.098	0.50	P
12	1	+0.00	-0.13	-0.134	0.50	P
12	2	+0.00	-0.10	-0.102	0.50	P
12	3	+0.00	-0.08	-0.076	0.50	P
12	4	+0.00	-0.10	-0.101	0.50	P
12	5	+0.00	-0.11	-0.114	0.50	P
12	6	+0.00	-0.14	-0.144	0.50	P
12	7	+0.00	-0.05	-0.052	0.50	P
13	TCLK	+0.00	-0.06	-0.059	0.50	P
13	0	+0.00	-0.11	-0.108	0.50	P
13	1	+0.00	-0.14	-0.140	0.50	P
13	2	+0.00	-0.16	-0.157	0.50	P
13	3	+0.00	-0.10	-0.098	0.50	P
13	4	+0.00	-0.11	-0.110	0.50	P
13	5	+0.00	-0.09	-0.086	0.50	P
13	6	+0.00	-0.14	-0.139	0.50	P
13	7	+0.00	-0.12	-0.123	0.50	P
14	TCLK	+0.00	-0.10	-0.099	0.50	P
14	0	+0.00	-0.07	-0.069	0.50	P
14	1	+0.00	-0.16	-0.160	0.50	P
14	2	+0.00	-0.17	-0.166	0.50	P
14	3	+0.00	-0.11	-0.109	0.50	P
14	4	+0.00	-0.16	-0.159	0.50	P
14	5	+0.00	-0.07	-0.073	0.50	P

14	6	+0.00	-0.13	-0.129	0.50	P
14	7	+0.00	-0.13	-0.129	0.50	P
15	TCLK	+0.00	-0.08	-0.084	0.50	P
15	0	+0.00	-0.13	-0.128	0.50	P
15	1	+0.00	-0.11	-0.114	0.50	P
15	2	+0.00	-0.06	-0.062	0.50	P
15	3	+0.00	-0.14	-0.144	0.50	P
15	4	+0.00	-0.06	-0.057	0.50	P
15	5	+0.00	-0.15	-0.152	0.50	P
15	6	+0.00	-0.12	-0.116	0.50	P
15	7	+0.00	-0.11	-0.106	0.50	P

VTT Timing Section:

Pin	TG	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	ZCLK	+0.00	-0.14	-0.137	0.50	P
1	ZCLK	+0.00	-0.07	-0.074	0.50	P
2	ZCLK	+0.00	-0.16	-0.158	0.50	P
3	ZCLK	+0.00	-0.08	-0.081	0.50	P
4	ZCLK	+0.00	-0.04	-0.039	0.50	P
5	ZCLK	+0.00	-0.12	-0.123	0.50	P
6	ZCLK	+0.00	-0.09	-0.092	0.50	P
7	ZCLK	+0.00	-0.11	-0.108	0.50	P
8	ZCLK	+0.00	-0.05	-0.047	0.50	P
9	ZCLK	+0.00	-0.07	-0.065	0.50	P
10	ZCLK	+0.00	-0.12	-0.115	0.50	P
11	ZCLK	+0.00	-0.11	-0.112	0.50	P
12	ZCLK	+0.00	-0.09	-0.086	0.50	P
13	ZCLK	+0.00	-0.12	-0.122	0.50	P
14	ZCLK	+0.00	-0.14	-0.142	0.50	P
15	ZCLK	+0.00	-0.07	-0.072	0.50	P

Driver DDR Timing Section:

Pin	TG	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	DCLK	+0.00	-0.12	-0.118	0.50	P
1	DCLK	+0.00	-0.06	-0.060	0.50	P
2	DCLK	+0.00	-0.15	-0.149	0.50	P
3	DCLK	+0.00	-0.09	-0.091	0.50	P
4	DCLK	+0.00	-0.13	-0.125	0.50	P
5	DCLK	+0.00	-0.11	-0.114	0.50	P
6	DCLK	+0.00	-0.10	-0.095	0.50	P
7	DCLK	+0.00	-0.07	-0.067	0.50	P
8	DCLK	+0.00	-0.04	-0.045	0.50	P

9	DCLK	+0.00	-0.16	-0.157	0.50	P
10	DCLK	+0.00	-0.09	-0.087	0.50	P
11	DCLK	+0.00	-0.05	-0.053	0.50	P
12	DCLK	+0.00	-0.03	-0.027	0.50	P
13	DCLK	+0.00	-0.08	-0.078	0.50	P
14	DCLK	+0.00	-0.11	-0.112	0.50	P
15	DCLK	+0.00	-0.06	-0.065	0.50	P

Cal Board receiver deskew adjust from pin 0 = 77pS, at temp delta = 0.13(C), lim= 5.00 nSec P

Receiver Timing Section:

Pin	TG	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	1	+0.00	-0.00	-0.004	0.50	P
0	3	+0.00	+0.06	+0.058	0.50	P
0	5	+0.00	-0.01	-0.015	0.50	P
0	7	+0.00	+0.02	+0.023	0.50	P
1	1	+0.00	+0.03	+0.031	0.50	P
1	3	+0.00	+0.04	+0.039	0.50	P
1	5	+0.00	+0.12	+0.117	0.50	P
1	7	+0.00	+0.02	+0.023	0.50	P
2	1	+0.00	+0.01	+0.009	0.50	P
2	3	+0.00	+0.02	+0.021	0.50	P
2	5	+0.00	+0.04	+0.038	0.50	P
2	7	+0.00	+0.03	+0.034	0.50	P
3	1	+0.00	-0.02	-0.015	0.50	P
3	3	+0.00	-0.01	-0.006	0.50	P
3	5	+0.00	+0.01	+0.012	0.50	P
3	7	+0.00	+0.05	+0.048	0.50	P
4	1	+0.00	-0.02	-0.016	0.50	P
4	3	+0.00	+0.03	+0.026	0.50	P
4	5	+0.00	-0.03	-0.033	0.50	P
4	7	+0.00	-0.03	-0.035	0.50	P
5	1	+0.00	-0.01	-0.009	0.50	P
5	3	+0.00	+0.04	+0.043	0.50	P
5	5	+0.00	-0.02	-0.018	0.50	P
5	7	+0.00	+0.07	+0.073	0.50	P
6	1	+0.00	+0.08	+0.079	0.50	P
6	3	+0.00	+0.03	+0.033	0.50	P
6	5	+0.00	+0.03	+0.030	0.50	P
6	7	+0.00	+0.04	+0.043	0.50	P
7	1	+0.00	+0.05	+0.047	0.50	P
7	3	+0.00	+0.09	+0.085	0.50	P
7	5	+0.00	+0.00	+0.001	0.50	P

7	7	+0.00	+0.00	+0.000	0.50	P
8	1	+0.00	+0.01	+0.015	0.50	P
8	3	+0.00	+0.05	+0.053	0.50	P
8	5	+0.00	+0.01	+0.006	0.50	P
8	7	+0.00	+0.04	+0.035	0.50	P
9	1	+0.00	+0.05	+0.046	0.50	P
9	3	+0.00	+0.04	+0.043	0.50	P
9	5	+0.00	-0.02	-0.016	0.50	P
9	7	+0.00	+0.10	+0.101	0.50	P
10	1	+0.00	+0.00	+0.004	0.50	P
10	3	+0.00	+0.01	+0.010	0.50	P
10	5	+0.00	+0.03	+0.032	0.50	P
10	7	+0.00	+0.06	+0.055	0.50	P
11	1	+0.00	+0.03	+0.025	0.50	P
11	3	+0.00	+0.08	+0.080	0.50	P
11	5	+0.00	+0.06	+0.059	0.50	P
11	7	+0.00	+0.02	+0.021	0.50	P
12	1	+0.00	+0.06	+0.057	0.50	P
12	3	+0.00	+0.07	+0.074	0.50	P
12	5	+0.00	+0.01	+0.010	0.50	P
12	7	+0.00	+0.01	+0.013	0.50	P
13	1	+0.00	+0.07	+0.071	0.50	P
13	3	+0.00	-0.01	-0.013	0.50	P
13	5	+0.00	+0.03	+0.028	0.50	P
13	7	+0.00	-0.02	-0.019	0.50	P
14	1	+0.00	+0.04	+0.039	0.50	P
14	3	+0.00	+0.03	+0.031	0.50	P
14	5	+0.00	+0.02	+0.024	0.50	P
14	7	+0.00	-0.01	-0.005	0.50	P
15	1	+0.00	+0.00	+0.005	0.50	P
15	3	+0.00	+0.01	+0.013	0.50	P
15	5	+0.00	+0.00	+0.001	0.50	P
15	7	+0.00	+0.02	+0.017	0.50	P

LoopBack Timing Section:

Pin	TS	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	0	+0.00	+0.01	+0.01	1.00	P
0	1	+0.00	-0.03	-0.03	1.00	P
1	0	+0.00	+0.06	+0.06	1.00	P
1	1	+0.00	+0.09	+0.09	1.00	P
2	0	+0.00	+0.00	+0.00	1.00	P
2	1	+0.00	+0.00	+0.00	1.00	P
3	0	+0.00	+0.00	+0.00	1.00	P

3	1	+0.00	+0.00	+0.00	1.00	P
4	0	+0.00	+0.00	+0.00	1.00	P
4	1	+0.00	+0.06	+0.06	1.00	P
5	0	+0.00	+0.01	+0.01	1.00	P
5	1	+0.00	+0.00	+0.00	1.00	P
6	0	+0.00	+0.01	+0.01	1.00	P
6	1	+0.00	+0.00	+0.00	1.00	P
7	0	+0.00	+0.05	+0.05	1.00	P
7	1	+0.00	+0.01	+0.01	1.00	P
8	0	+0.00	+0.01	+0.01	1.00	P
8	1	+0.00	-0.03	-0.03	1.00	P
9	0	+0.00	+0.05	+0.05	1.00	P
9	1	+0.00	-0.07	-0.07	1.00	P
10	0	+0.00	+0.00	+0.00	1.00	P
10	1	+0.00	-0.06	-0.06	1.00	P
11	0	+0.00	-0.03	-0.03	1.00	P
11	1	+0.00	+0.06	+0.06	1.00	P
12	0	+0.00	+0.02	+0.02	1.00	P
12	1	+0.00	+0.05	+0.05	1.00	P
13	0	+0.00	+0.09	+0.09	1.00	P
13	1	+0.00	+0.05	+0.05	1.00	P
14	0	+0.00	+0.00	+0.00	1.00	P
14	1	+0.00	-0.05	-0.05	1.00	P
15	0	+0.00	+0.00	+0.00	1.00	P
15	1	+0.00	+0.00	+0.00	1.00	P

OTA Timing Section:

Pin	TS	FMT	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	0	KN	+400.00	+400.00	+0.00	1.00	P
0	0	KT	+100.00	+100.00	+0.00	1.00	P
0	1	KN	+400.00	+400.00	+0.00	1.00	P
0	1	KT	+100.00	+100.00	+0.00	1.00	P
1	0	KN	+400.00	+400.00	+0.00	1.00	P
1	0	KT	+100.00	+100.00	+0.00	1.00	P
1	1	KN	+400.00	+400.00	+0.00	1.00	P
1	1	KT	+100.00	+99.95	-0.05	1.00	P
2	0	KN	+400.00	+400.00	+0.00	1.00	P
2	0	KT	+100.00	+100.00	+0.00	1.00	P
2	1	KN	+400.00	+400.00	+0.00	1.00	P
2	1	KT	+100.00	+99.91	-0.09	1.00	P
3	0	KN	+400.00	+400.00	+0.00	1.00	P
3	0	KT	+100.00	+100.00	+0.00	1.00	P
3	1	KN	+400.00	+400.09	+0.09	1.00	P

3	1	KT	+100.00	+100.00	+0.00	1.00	P
4	0	KN	+400.00	+400.00	+0.00	1.00	P
4	0	KT	+100.00	+100.00	+0.00	1.00	P
4	1	KN	+400.00	+400.00	+0.00	1.00	P
4	1	KT	+100.00	+100.00	+0.00	1.00	P
5	0	KN	+400.00	+400.00	+0.00	1.00	P
5	0	KT	+100.00	+100.00	+0.00	1.00	P
5	1	KN	+400.00	+400.09	+0.09	1.00	P
5	1	KT	+100.00	+100.00	+0.00	1.00	P
6	0	KN	+400.00	+400.00	+0.00	1.00	P
6	0	KT	+100.00	+100.00	+0.00	1.00	P
6	1	KN	+400.00	+400.00	+0.00	1.00	P
6	1	KT	+100.00	+100.00	+0.00	1.00	P
7	0	KN	+400.00	+400.00	+0.00	1.00	P
7	0	KT	+100.00	+100.09	+0.09	1.00	P
7	1	KN	+400.00	+400.00	+0.00	1.00	P
7	1	KT	+100.00	+100.05	+0.05	1.00	P
8	0	KN	+400.00	+400.00	+0.00	1.00	P
8	0	KT	+100.00	+100.00	+0.00	1.00	P
8	1	KN	+400.00	+400.00	+0.00	1.00	P
8	1	KT	+100.00	+100.00	+0.00	1.00	P
9	0	KN	+400.00	+400.00	+0.00	1.00	P
9	0	KT	+100.00	+100.00	+0.00	1.00	P
9	1	KN	+400.00	+400.00	+0.00	1.00	P
9	1	KT	+100.00	+100.00	+0.00	1.00	P
10	0	KN	+400.00	+400.00	+0.00	1.00	P
10	0	KT	+100.00	+100.00	+0.00	1.00	P
10	1	KN	+400.00	+400.00	+0.00	1.00	P
10	1	KT	+100.00	+100.00	+0.00	1.00	P
11	0	KN	+400.00	+400.00	+0.00	1.00	P
11	0	KT	+100.00	+100.00	+0.00	1.00	P
11	1	KN	+400.00	+400.00	+0.00	1.00	P
11	1	KT	+100.00	+100.00	+0.00	1.00	P
12	0	KN	+400.00	+400.00	+0.00	1.00	P
12	0	KT	+100.00	+100.00	+0.00	1.00	P
12	1	KN	+400.00	+400.00	+0.00	1.00	P
12	1	KT	+100.00	+100.00	+0.00	1.00	P
13	0	KN	+400.00	+400.00	+0.00	1.00	P
13	0	KT	+100.00	+100.00	+0.00	1.00	P
13	1	KN	+400.00	+400.00	+0.00	1.00	P
13	1	KT	+100.00	+100.00	+0.00	1.00	P
14	0	KN	+400.00	+400.00	+0.00	1.00	P
14	0	KT	+100.00	+100.00	+0.00	1.00	P
14	1	KN	+400.00	+400.00	+0.00	1.00	P

14 1 KT +100.00 +100.00 +0.00 1.00 P
15 0 KN +400.00 +400.00 +0.00 1.00 P
15 0 KT +100.00 +100.00 +0.00 1.00 P
15 1 KN +400.00 +399.91 -0.09 1.00 P
15 1 KT +100.00 +100.00 +0.00 1.00 P
Last Calibration Date: 10/26/22 14:24.38
(10/26/22 14:39.28 - CAL REV:2015) CHK STATUS: PASS

Cal DPU01: DPU16 SN REV 35
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0	1	-0.600000	-0.600089	+0.089	13.300	P
0	1	+1.200000	+1.200224	-0.224	13.600	P
0	1	+3.000000	+3.001082	-1.082	14.501	P
0	1	+4.800000	+4.799731	+0.269	15.400	P
0	1	+6.600000	+6.598718	+1.282	16.299	P
1	1	-0.600000	-0.600082	+0.082	13.300	P
1	1	+1.200000	+1.200217	-0.217	13.600	P
1	1	+3.000000	+3.000725	-0.725	14.500	P
1	1	+4.800000	+4.800239	-0.239	15.400	P
1	1	+6.600000	+6.599629	+0.371	16.300	P
2	1	-0.600000	-0.599848	-0.152	13.300	P
2	1	+1.200000	+1.200684	-0.684	13.600	P
2	1	+3.000000	+3.001061	-1.061	14.501	P
2	1	+4.800000	+4.800229	-0.229	15.400	P
2	1	+6.600000	+6.599478	+0.522	16.300	P
3	1	-0.600000	-0.600179	+0.179	13.300	P
3	1	+1.200000	+1.200786	-0.786	13.600	P
3	1	+3.000000	+3.000859	-0.859	14.500	P
3	1	+4.800000	+4.800157	-0.157	15.400	P
3	1	+6.600000	+6.599060	+0.940	16.300	P
4	1	-0.600000	-0.599909	-0.091	13.300	P
4	1	+1.200000	+1.199946	+0.054	13.600	P
4	1	+3.000000	+3.000752	-0.752	14.500	P
4	1	+4.800000	+4.800108	-0.108	15.400	P
4	1	+6.600000	+6.598992	+1.008	16.299	P
5	1	-0.600000	-0.599004	-0.996	13.300	P
5	1	+1.200000	+1.200992	-0.992	13.600	P
5	1	+3.000000	+3.001017	-1.017	14.501	P
5	1	+4.800000	+4.801167	-1.167	15.401	P
5	1	+6.600000	+6.599286	+0.714	16.300	P
6	1	-0.600000	-0.599427	-0.573	13.300	P
6	1	+1.200000	+1.200229	-0.229	13.600	P
6	1	+3.000000	+3.000822	-0.822	14.500	P
6	1	+4.800000	+4.800862	-0.862	15.400	P
6	1	+6.600000	+6.599523	+0.477	16.300	P
7	1	-0.600000	-0.599249	-0.751	13.300	P
7	1	+1.200000	+1.200460	-0.460	13.600	P
7	1	+3.000000	+3.000765	-0.765	14.500	P
7	1	+4.800000	+4.800470	-0.470	15.400	P
7	1	+6.600000	+6.598763	+1.237	16.299	P
8	1	-0.600000	-0.599577	-0.423	13.300	P
8	1	+1.200000	+1.200598	-0.598	13.600	P
8	1	+3.000000	+3.001502	-1.502	14.501	P
8	1	+4.800000	+4.800115	-0.115	15.400	P

8	1	+6.600000	+6.598159	+1.841	16.299	P
9	1	-0.600000	-0.599432	-0.568	13.300	P
9	1	+1.200000	+1.200401	-0.401	13.600	P
9	1	+3.000000	+3.001157	-1.157	14.501	P
9	1	+4.800000	+4.800092	-0.092	15.400	P
9	1	+6.600000	+6.598410	+1.590	16.299	P
10	1	-0.600000	-0.599054	-0.946	13.300	P
10	1	+1.200000	+1.200879	-0.879	13.600	P
10	1	+3.000000	+3.001267	-1.267	14.501	P
10	1	+4.800000	+4.799893	+0.107	15.400	P
10	1	+6.600000	+6.598688	+1.312	16.299	P
11	1	-0.600000	-0.600096	+0.096	13.300	P
11	1	+1.200000	+1.200590	-0.590	13.600	P
11	1	+3.000000	+3.001840	-1.840	14.501	P
11	1	+4.800000	+4.800735	-0.735	15.400	P
11	1	+6.600000	+6.599667	+0.333	16.300	P
12	1	-0.600000	-0.600637	+0.637	13.300	P
12	1	+1.200000	+1.199823	+0.177	13.600	P
12	1	+3.000000	+3.000389	-0.389	14.500	P
12	1	+4.800000	+4.799811	+0.189	15.400	P
12	1	+6.600000	+6.598036	+1.964	16.299	P
13	1	-0.600000	-0.599289	-0.711	13.300	P
13	1	+1.200000	+1.200054	-0.054	13.600	P
13	1	+3.000000	+3.001327	-1.327	14.501	P
13	1	+4.800000	+4.799987	+0.013	15.400	P
13	1	+6.600000	+6.598398	+1.602	16.299	P
14	1	-0.600000	-0.600132	+0.132	13.300	P
14	1	+1.200000	+1.200750	-0.750	13.600	P
14	1	+3.000000	+3.001684	-1.684	14.501	P
14	1	+4.800000	+4.800176	-0.176	15.400	P
14	1	+6.600000	+6.599512	+0.488	16.300	P
15	1	-0.600000	-0.600718	+0.718	13.300	P
15	1	+1.200000	+1.200996	-0.996	13.600	P
15	1	+3.000000	+3.002046	-2.046	14.501	P
15	1	+4.800000	+4.800531	-0.531	15.400	P
15	1	+6.600000	+6.599747	+0.253	16.300	P
0	2	-1.600000	-1.602733	+2.733	26.801	P
0	2	+0.500000	+0.499119	+0.881	26.250	P
0	2	+3.000000	+2.998325	+1.675	27.499	P
0	2	+4.800000	+4.799710	+0.290	28.400	P
0	2	+7.600000	+7.595772	+4.228	29.798	P
1	2	-1.600000	-1.597382	-2.618	26.799	P
1	2	+0.500000	+0.500524	-0.524	26.250	P
1	2	+3.000000	+3.001251	-1.251	27.501	P

1	2	+4.800000	+4.802488	-2.488	28.401	P
1	2	+7.600000	+7.598780	+1.220	29.799	P
2	2	-1.600000	-1.601494	+1.494	26.801	P
2	2	+0.500000	+0.498832	+1.168	26.249	P
2	2	+3.000000	+3.001097	-1.097	27.501	P
2	2	+4.800000	+4.801789	-1.789	28.401	P
2	2	+7.600000	+7.598857	+1.143	29.799	P
3	2	-1.600000	-1.600698	+0.698	26.800	P
3	2	+0.500000	+0.499661	+0.339	26.250	P
3	2	+3.000000	+3.000273	-0.273	27.500	P
3	2	+4.800000	+4.801465	-1.465	28.401	P
3	2	+7.600000	+7.597080	+2.920	29.799	P
4	2	-1.600000	-1.599779	-0.221	26.800	P
4	2	+0.500000	+0.498674	+1.326	26.249	P
4	2	+3.000000	+3.000799	-0.799	27.500	P
4	2	+4.800000	+4.800714	-0.714	28.400	P
4	2	+7.600000	+7.597570	+2.430	29.799	P
5	2	-1.600000	-1.599212	-0.788	26.800	P
5	2	+0.500000	+0.498363	+1.637	26.249	P
5	2	+3.000000	+3.000181	-0.181	27.500	P
5	2	+4.800000	+4.801000	-1.000	28.400	P
5	2	+7.600000	+7.598738	+1.262	29.799	P
6	2	-1.600000	-1.599967	-0.033	26.800	P
6	2	+0.500000	+0.500246	-0.246	26.250	P
6	2	+3.000000	+2.999610	+0.390	27.500	P
6	2	+4.800000	+4.801330	-1.330	28.401	P
6	2	+7.600000	+7.597501	+2.499	29.799	P
7	2	-1.600000	-1.600990	+0.990	26.800	P
7	2	+0.500000	+0.498583	+1.417	26.249	P
7	2	+3.000000	+2.998553	+1.447	27.499	P
7	2	+4.800000	+4.800163	-0.163	28.400	P
7	2	+7.600000	+7.596305	+3.695	29.798	P
8	2	-1.600000	-1.599743	-0.257	26.800	P
8	2	+0.500000	+0.499397	+0.603	26.250	P
8	2	+3.000000	+2.998766	+1.234	27.499	P
8	2	+4.800000	+4.800122	-0.122	28.400	P
8	2	+7.600000	+7.592948	+7.052	29.796	P
9	2	-1.600000	-1.599426	-0.574	26.800	P
9	2	+0.500000	+0.500454	-0.454	26.250	P
9	2	+3.000000	+2.999316	+0.684	27.500	P
9	2	+4.800000	+4.801411	-1.411	28.401	P
9	2	+7.600000	+7.593971	+6.029	29.797	P
10	2	-1.600000	-1.600213	+0.213	26.800	P
10	2	+0.500000	+0.499301	+0.699	26.250	P

10	2	+3.000000	+3.000340	-0.340	27.500	P
10	2	+4.800000	+4.801703	-1.703	28.401	P
10	2	+7.600000	+7.596358	+3.642	29.798	P
11	2	-1.600000	-1.601059	+1.059	26.801	P
11	2	+0.500000	+0.499549	+0.451	26.250	P
11	2	+3.000000	+3.000281	-0.281	27.500	P
11	2	+4.800000	+4.802768	-2.768	28.401	P
11	2	+7.600000	+7.597071	+2.929	29.799	P
12	2	-1.600000	-1.602859	+2.859	26.801	P
12	2	+0.500000	+0.498435	+1.565	26.249	P
12	2	+3.000000	+2.999017	+0.983	27.500	P
12	2	+4.800000	+4.801300	-1.300	28.401	P
12	2	+7.600000	+7.596407	+3.593	29.798	P
13	2	-1.600000	-1.597957	-2.043	26.799	P
13	2	+0.500000	+0.501623	-1.623	26.251	P
13	2	+3.000000	+3.000889	-0.889	27.500	P
13	2	+4.800000	+4.802044	-2.044	28.401	P
13	2	+7.600000	+7.597504	+2.496	29.799	P
14	2	-1.600000	-1.600522	+0.522	26.800	P
14	2	+0.500000	+0.500568	-0.568	26.250	P
14	2	+3.000000	+3.000998	-0.998	27.500	P
14	2	+4.800000	+4.802265	-2.265	28.401	P
14	2	+7.600000	+7.595083	+4.917	29.798	P
15	2	-1.600000	-1.599125	-0.875	26.800	P
15	2	+0.500000	+0.501069	-1.069	26.251	P
15	2	+3.000000	+3.001646	-1.646	27.501	P
15	2	+4.800000	+4.802928	-2.928	28.401	P
15	2	+7.600000	+7.595138	+4.862	29.798	P

VENUS PPVI DACS Section:

Pin	VRng	DAC	Force (V)	MV (V)	Error(mV)	Limit(mV)	P/F
0	1	Force V	-0.600000	-0.599633	+0.36697	14.80000	P
0	1	Force V	+1.200000	+1.200556	+0.55583	13.90000	P
0	1	Force V	+3.000000	+3.001033	+1.03260	13.00000	P
0	1	Force V	+4.800000	+4.799791	-0.20903	13.90000	P
0	1	Force V	+6.600000	+6.598659	-1.34055	14.80000	P
1	1	Force V	-0.600000	-0.600268	-0.26802	14.80000	P
1	1	Force V	+1.200000	+1.200047	+0.04663	13.90000	P
1	1	Force V	+3.000000	+3.000961	+0.96137	13.00000	P
1	1	Force V	+4.800000	+4.800616	+0.61643	13.90000	P
1	1	Force V	+6.600000	+6.599212	-0.78814	14.80000	P
2	1	Force V	-0.600000	-0.599246	+0.75378	14.80000	P
2	1	Force V	+1.200000	+1.200574	+0.57364	13.90000	P

2	1	Force V	+3.000000	+3.001331	+1.33080	13.00000	P
2	1	Force V	+4.800000	+4.800035	+0.03462	13.90000	P
2	1	Force V	+6.600000	+6.599607	-0.39328	14.80000	P
3	1	Force V	-0.600000	-0.599943	+0.05684	14.80000	P
3	1	Force V	+1.200000	+1.200342	+0.34235	13.90000	P
3	1	Force V	+3.000000	+3.000754	+0.75428	13.00000	P
3	1	Force V	+4.800000	+4.800398	+0.39781	13.90000	P
3	1	Force V	+6.600000	+6.598752	-1.24761	14.80000	P
4	1	Force V	-0.600000	-0.599643	+0.35675	14.80000	P
4	1	Force V	+1.200000	+1.200034	+0.03419	13.90000	P
4	1	Force V	+3.000000	+3.000908	+0.90840	13.00000	P
4	1	Force V	+4.800000	+4.800832	+0.83198	13.90000	P
4	1	Force V	+6.600000	+6.598732	-1.26788	14.80000	P
5	1	Force V	-0.600000	-0.599282	+0.71829	14.80000	P
5	1	Force V	+1.200000	+1.200667	+0.66661	13.90000	P
5	1	Force V	+3.000000	+3.000861	+0.86070	13.00000	P
5	1	Force V	+4.800000	+4.800375	+0.37527	13.90000	P
5	1	Force V	+6.600000	+6.599326	-0.67398	14.80000	P
6	1	Force V	-0.600000	-0.599569	+0.43142	14.80000	P
6	1	Force V	+1.200000	+1.200026	+0.02566	13.90000	P
6	1	Force V	+3.000000	+3.000863	+0.86286	13.00000	P
6	1	Force V	+4.800000	+4.800411	+0.41066	13.90000	P
6	1	Force V	+6.600000	+6.599141	-0.85930	14.80000	P
7	1	Force V	-0.600000	-0.599282	+0.71796	14.80000	P
7	1	Force V	+1.200000	+1.200433	+0.43345	13.90000	P
7	1	Force V	+3.000000	+3.000774	+0.77366	13.00000	P
7	1	Force V	+4.800000	+4.799862	-0.13848	13.90000	P
7	1	Force V	+6.600000	+6.598767	-1.23331	14.80000	P
8	1	Force V	-0.600000	-0.599500	+0.49950	14.80000	P
8	1	Force V	+1.200000	+1.200580	+0.57979	13.90000	P
8	1	Force V	+3.000000	+3.001701	+1.70108	13.00000	P
8	1	Force V	+4.800000	+4.800124	+0.12443	13.90000	P
8	1	Force V	+6.600000	+6.598766	-1.23395	14.80000	P
9	1	Force V	-0.600000	-0.599810	+0.18952	14.80000	P
9	1	Force V	+1.200000	+1.199899	-0.10114	13.90000	P
9	1	Force V	+3.000000	+3.001142	+1.14214	13.00000	P
9	1	Force V	+4.800000	+4.799569	-0.43082	13.90000	P
9	1	Force V	+6.600000	+6.598210	-1.78978	14.80000	P
10	1	Force V	-0.600000	-0.599093	+0.90723	14.80000	P
10	1	Force V	+1.200000	+1.200688	+0.68800	13.90000	P
10	1	Force V	+3.000000	+3.001255	+1.25490	13.00000	P
10	1	Force V	+4.800000	+4.800331	+0.33123	13.90000	P
10	1	Force V	+6.600000	+6.598643	-1.35747	14.80000	P
11	1	Force V	-0.600000	-0.599787	+0.21293	14.80000	P

11	1	Force V	+1.200000	+1.200654	+0.65404	13.90000	P
11	1	Force V	+3.000000	+3.001545	+1.54462	13.00000	P
11	1	Force V	+4.800000	+4.800546	+0.54637	13.90000	P
11	1	Force V	+6.600000	+6.599762	-0.23842	14.80000	P
12	1	Force V	-0.600000	-0.599835	+0.16475	14.80000	P
12	1	Force V	+1.200000	+1.199895	-0.10516	13.90000	P
12	1	Force V	+3.000000	+3.000497	+0.49738	13.00000	P
12	1	Force V	+4.800000	+4.799848	-0.15181	13.90000	P
12	1	Force V	+6.600000	+6.598670	-1.32951	14.80000	P
13	1	Force V	-0.600000	-0.598851	+1.14860	14.80000	P
13	1	Force V	+1.200000	+1.200884	+0.88421	13.90000	P
13	1	Force V	+3.000000	+3.001179	+1.17856	13.00000	P
13	1	Force V	+4.800000	+4.799910	-0.08953	13.90000	P
13	1	Force V	+6.600000	+6.598329	-1.67076	14.80000	P
14	1	Force V	-0.600000	-0.600000	+0.00034	14.80000	P
14	1	Force V	+1.200000	+1.201452	+1.45214	13.90000	P
14	1	Force V	+3.000000	+3.002423	+2.42314	13.00000	P
14	1	Force V	+4.800000	+4.800201	+0.20128	13.90000	P
14	1	Force V	+6.600000	+6.599754	-0.24635	14.80000	P
15	1	Force V	-0.600000	-0.600666	-0.66605	14.80000	P
15	1	Force V	+1.200000	+1.200463	+0.46285	13.90000	P
15	1	Force V	+3.000000	+3.001980	+1.98038	13.00000	P
15	1	Force V	+4.800000	+4.800438	+0.43817	13.90000	P
15	1	Force V	+6.600000	+6.599861	-0.13860	14.80000	P
0	1	Clamp Hi	-0.000000	+0.001901	+1.90074	100.00000	P
0	1	Clamp Hi	+1.200000	+1.200622	+0.62180	100.00000	P
0	1	Clamp Hi	+3.000000	+2.993997	-6.00318	100.00000	P
0	1	Clamp Hi	+4.800000	+4.802281	+2.28125	100.00000	P
0	1	Clamp Hi	+6.600000	+6.621335	+21.33483	100.00000	P
1	1	Clamp Hi	-0.000000	+0.001392	+1.39246	100.00000	P
1	1	Clamp Hi	+1.200000	+1.201434	+1.43368	100.00000	P
1	1	Clamp Hi	+3.000000	+2.995703	-4.29661	100.00000	P
1	1	Clamp Hi	+4.800000	+4.801906	+1.90609	100.00000	P
1	1	Clamp Hi	+6.600000	+6.618572	+18.57196	100.00000	P
2	1	Clamp Hi	-0.000000	+0.000275	+0.27482	100.00000	P
2	1	Clamp Hi	+1.200000	+1.199272	-0.72834	100.00000	P
2	1	Clamp Hi	+3.000000	+2.991431	-8.56894	100.00000	P
2	1	Clamp Hi	+4.800000	+4.797788	-2.21233	100.00000	P
2	1	Clamp Hi	+6.600000	+6.618240	+18.23991	100.00000	P
3	1	Clamp Hi	-0.000000	-0.000382	-0.38151	100.00000	P
3	1	Clamp Hi	+1.200000	+1.198680	-1.31953	100.00000	P
3	1	Clamp Hi	+3.000000	+2.990962	-9.03755	100.00000	P
3	1	Clamp Hi	+4.800000	+4.796528	-3.47211	100.00000	P
3	1	Clamp Hi	+6.600000	+6.616542	+16.54189	100.00000	P

4	1	Clamp Hi	-0.000000	+0.001690	+1.69046	100.00000	P
4	1	Clamp Hi	+1.200000	+1.199821	-0.17854	100.00000	P
4	1	Clamp Hi	+3.000000	+2.994248	-5.75179	100.00000	P
4	1	Clamp Hi	+4.800000	+4.801852	+1.85198	100.00000	P
4	1	Clamp Hi	+6.600000	+6.614698	+14.69827	100.00000	P
5	1	Clamp Hi	-0.000000	+0.001307	+1.30723	100.00000	P
5	1	Clamp Hi	+1.200000	+1.200039	+0.03928	100.00000	P
5	1	Clamp Hi	+3.000000	+2.994348	-5.65243	100.00000	P
5	1	Clamp Hi	+4.800000	+4.800724	+0.72356	100.00000	P
5	1	Clamp Hi	+6.600000	+6.613665	+13.66473	100.00000	P
6	1	Clamp Hi	-0.000000	+0.001188	+1.18816	100.00000	P
6	1	Clamp Hi	+1.200000	+1.199383	-0.61691	100.00000	P
6	1	Clamp Hi	+3.000000	+2.994110	-5.88953	100.00000	P
6	1	Clamp Hi	+4.800000	+4.800823	+0.82294	100.00000	P
6	1	Clamp Hi	+6.600000	+6.614197	+14.19735	100.00000	P
7	1	Clamp Hi	-0.000000	+0.000682	+0.68211	100.00000	P
7	1	Clamp Hi	+1.200000	+1.199691	-0.30948	100.00000	P
7	1	Clamp Hi	+3.000000	+2.994814	-5.18635	100.00000	P
7	1	Clamp Hi	+4.800000	+4.800869	+0.86878	100.00000	P
7	1	Clamp Hi	+6.600000	+6.613083	+13.08281	100.00000	P
8	1	Clamp Hi	-0.000000	+0.001987	+1.98715	100.00000	P
8	1	Clamp Hi	+1.200000	+1.199553	-0.44733	100.00000	P
8	1	Clamp Hi	+3.000000	+2.994215	-5.78536	100.00000	P
8	1	Clamp Hi	+4.800000	+4.801569	+1.56932	100.00000	P
8	1	Clamp Hi	+6.600000	+6.616135	+16.13464	100.00000	P
9	1	Clamp Hi	-0.000000	+0.001385	+1.38528	100.00000	P
9	1	Clamp Hi	+1.200000	+1.199729	-0.27139	100.00000	P
9	1	Clamp Hi	+3.000000	+2.994964	-5.03607	100.00000	P
9	1	Clamp Hi	+4.800000	+4.801393	+1.39257	100.00000	P
9	1	Clamp Hi	+6.600000	+6.616977	+16.97701	100.00000	P
10	1	Clamp Hi	-0.000000	+0.003060	+3.05984	100.00000	P
10	1	Clamp Hi	+1.200000	+1.202709	+2.70939	100.00000	P
10	1	Clamp Hi	+3.000000	+2.996949	-3.05135	100.00000	P
10	1	Clamp Hi	+4.800000	+4.804508	+4.50849	100.00000	P
10	1	Clamp Hi	+6.600000	+6.625175	+25.17517	100.00000	P
11	1	Clamp Hi	-0.000000	+0.003187	+3.18663	100.00000	P
11	1	Clamp Hi	+1.200000	+1.202937	+2.93688	100.00000	P
11	1	Clamp Hi	+3.000000	+2.999026	-0.97398	100.00000	P
11	1	Clamp Hi	+4.800000	+4.805233	+5.23273	100.00000	P
11	1	Clamp Hi	+6.600000	+6.624591	+24.59080	100.00000	P
12	1	Clamp Hi	-0.000000	+0.001313	+1.31256	100.00000	P
12	1	Clamp Hi	+1.200000	+1.202253	+2.25321	100.00000	P
12	1	Clamp Hi	+3.000000	+2.997484	-2.51593	100.00000	P
12	1	Clamp Hi	+4.800000	+4.802658	+2.65813	100.00000	P

12	1	Clamp Hi	+6.600000	+6.617512	+17.51216	100.00000	P
13	1	Clamp Hi	-0.000000	+0.001749	+1.74859	100.00000	P
13	1	Clamp Hi	+1.200000	+1.200695	+0.69508	100.00000	P
13	1	Clamp Hi	+3.000000	+2.995666	-4.33380	100.00000	P
13	1	Clamp Hi	+4.800000	+4.802314	+2.31357	100.00000	P
13	1	Clamp Hi	+6.600000	+6.619577	+19.57716	100.00000	P
14	1	Clamp Hi	-0.000000	+0.000003	+0.00278	100.00000	P
14	1	Clamp Hi	+1.200000	+1.199256	-0.74377	100.00000	P
14	1	Clamp Hi	+3.000000	+2.993012	-6.98819	100.00000	P
14	1	Clamp Hi	+4.800000	+4.799145	-0.85541	100.00000	P
14	1	Clamp Hi	+6.600000	+6.617547	+17.54669	100.00000	P
15	1	Clamp Hi	-0.000000	-0.001592	-1.59207	100.00000	P
15	1	Clamp Hi	+1.200000	+1.197367	-2.63333	100.00000	P
15	1	Clamp Hi	+3.000000	+2.990670	-9.32995	100.00000	P
15	1	Clamp Hi	+4.800000	+4.796496	-3.50353	100.00000	P
15	1	Clamp Hi	+6.600000	+6.614333	+14.33287	100.00000	P
0	1	Clamp Lo	-0.600000	-0.603789	-3.78868	100.00000	P
0	1	Clamp Lo	+1.200000	+1.195806	-4.19367	100.00000	P
0	1	Clamp Lo	+3.000000	+2.997276	-2.72442	100.00000	P
0	1	Clamp Lo	+4.800000	+4.797955	-2.04474	100.00000	P
0	1	Clamp Lo	+6.600000	+6.597469	-2.53119	100.00000	P
1	1	Clamp Lo	-0.600000	-0.603577	-3.57737	100.00000	P
1	1	Clamp Lo	+1.200000	+1.196788	-3.21165	100.00000	P
1	1	Clamp Lo	+3.000000	+2.998038	-1.96218	100.00000	P
1	1	Clamp Lo	+4.800000	+4.798037	-1.96313	100.00000	P
1	1	Clamp Lo	+6.600000	+6.597712	-2.28795	100.00000	P
2	1	Clamp Lo	-0.600000	-0.601764	-1.76447	100.00000	P
2	1	Clamp Lo	+1.200000	+1.197263	-2.73667	100.00000	P
2	1	Clamp Lo	+3.000000	+2.998299	-1.70066	100.00000	P
2	1	Clamp Lo	+4.800000	+4.799138	-0.86157	100.00000	P
2	1	Clamp Lo	+6.600000	+6.599125	-0.87454	100.00000	P
3	1	Clamp Lo	-0.600000	-0.602591	-2.59093	100.00000	P
3	1	Clamp Lo	+1.200000	+1.196711	-3.28911	100.00000	P
3	1	Clamp Lo	+3.000000	+2.998443	-1.55677	100.00000	P
3	1	Clamp Lo	+4.800000	+4.798946	-1.05377	100.00000	P
3	1	Clamp Lo	+6.600000	+6.598792	-1.20799	100.00000	P
4	1	Clamp Lo	-0.600000	-0.602331	-2.33108	100.00000	P
4	1	Clamp Lo	+1.200000	+1.196806	-3.19417	100.00000	P
4	1	Clamp Lo	+3.000000	+2.998185	-1.81539	100.00000	P
4	1	Clamp Lo	+4.800000	+4.799353	-0.64689	100.00000	P
4	1	Clamp Lo	+6.600000	+6.599410	-0.58958	100.00000	P
5	1	Clamp Lo	-0.600000	-0.602681	-2.68133	100.00000	P
5	1	Clamp Lo	+1.200000	+1.196829	-3.17078	100.00000	P
5	1	Clamp Lo	+3.000000	+2.998116	-1.88392	100.00000	P

5	1	Clamp Lo	+4.800000	+4.798251	-1.74908	100.00000	P
5	1	Clamp Lo	+6.600000	+6.597913	-2.08663	100.00000	P
6	1	Clamp Lo	-0.600000	-0.601790	-1.78959	100.00000	P
6	1	Clamp Lo	+1.200000	+1.197503	-2.49658	100.00000	P
6	1	Clamp Lo	+3.000000	+2.998512	-1.48798	100.00000	P
6	1	Clamp Lo	+4.800000	+4.798732	-1.26751	100.00000	P
6	1	Clamp Lo	+6.600000	+6.598421	-1.57891	100.00000	P
7	1	Clamp Lo	-0.600000	-0.600833	-0.83286	100.00000	P
7	1	Clamp Lo	+1.200000	+1.198373	-1.62739	100.00000	P
7	1	Clamp Lo	+3.000000	+2.999591	-0.40874	100.00000	P
7	1	Clamp Lo	+4.800000	+4.799520	-0.47997	100.00000	P
7	1	Clamp Lo	+6.600000	+6.598999	-1.00103	100.00000	P
8	1	Clamp Lo	-0.600000	-0.602104	-2.10375	100.00000	P
8	1	Clamp Lo	+1.200000	+1.197556	-2.44440	100.00000	P
8	1	Clamp Lo	+3.000000	+2.999316	-0.68439	100.00000	P
8	1	Clamp Lo	+4.800000	+4.799193	-0.80726	100.00000	P
8	1	Clamp Lo	+6.600000	+6.598755	-1.24516	100.00000	P
9	1	Clamp Lo	-0.600000	-0.602337	-2.33741	100.00000	P
9	1	Clamp Lo	+1.200000	+1.197480	-2.51961	100.00000	P
9	1	Clamp Lo	+3.000000	+2.999589	-0.41119	100.00000	P
9	1	Clamp Lo	+4.800000	+4.799031	-0.96948	100.00000	P
9	1	Clamp Lo	+6.600000	+6.600028	+0.02824	100.00000	P
10	1	Clamp Lo	-0.600000	-0.602794	-2.79382	100.00000	P
10	1	Clamp Lo	+1.200000	+1.197300	-2.69984	100.00000	P
10	1	Clamp Lo	+3.000000	+2.999202	-0.79844	100.00000	P
10	1	Clamp Lo	+4.800000	+4.798773	-1.22748	100.00000	P
10	1	Clamp Lo	+6.600000	+6.599697	-0.30252	100.00000	P
11	1	Clamp Lo	-0.600000	-0.603761	-3.76088	100.00000	P
11	1	Clamp Lo	+1.200000	+1.197103	-2.89675	100.00000	P
11	1	Clamp Lo	+3.000000	+2.999082	-0.91803	100.00000	P
11	1	Clamp Lo	+4.800000	+4.798513	-1.48668	100.00000	P
11	1	Clamp Lo	+6.600000	+6.598228	-1.77177	100.00000	P
12	1	Clamp Lo	-0.600000	-0.601845	-1.84457	100.00000	P
12	1	Clamp Lo	+1.200000	+1.197850	-2.14971	100.00000	P
12	1	Clamp Lo	+3.000000	+2.999518	-0.48211	100.00000	P
12	1	Clamp Lo	+4.800000	+4.799292	-0.70763	100.00000	P
12	1	Clamp Lo	+6.600000	+6.598119	-1.88070	100.00000	P
13	1	Clamp Lo	-0.600000	-0.602607	-2.60744	100.00000	P
13	1	Clamp Lo	+1.200000	+1.197564	-2.43649	100.00000	P
13	1	Clamp Lo	+3.000000	+2.999228	-0.77214	100.00000	P
13	1	Clamp Lo	+4.800000	+4.799392	-0.60815	100.00000	P
13	1	Clamp Lo	+6.600000	+6.597968	-2.03232	100.00000	P
14	1	Clamp Lo	-0.600000	-0.602632	-2.63224	100.00000	P
14	1	Clamp Lo	+1.200000	+1.198628	-1.37171	100.00000	P

14	1	Clamp Lo	+3.000000	+3.000119	+0.11935	100.00000	P
14	1	Clamp Lo	+4.800000	+4.799303	-0.69693	100.00000	P
14	1	Clamp Lo	+6.600000	+6.599493	-0.50662	100.00000	P
15	1	Clamp Lo	-0.600000	-0.602881	-2.88051	100.00000	P
15	1	Clamp Lo	+1.200000	+1.197743	-2.25676	100.00000	P
15	1	Clamp Lo	+3.000000	+2.999506	-0.49415	100.00000	P
15	1	Clamp Lo	+4.800000	+4.798543	-1.45736	100.00000	P
15	1	Clamp Lo	+6.600000	+6.598144	-1.85596	100.00000	P

VENUS PPVI COMP DACS Section:

Pin	VRng	DAC	Force (V)	DAC (V)	Error(mV)	Limit(mV)	P/F
0	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
0	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
0	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
0	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
0	1	Comp A	+6.600000	+6.600781	+0.78125	25.00000	P
1	1	Comp A	-0.600000	-0.599219	+0.78125	25.00000	P
1	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
1	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
1	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
1	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
2	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
2	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
2	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
2	1	Comp A	+4.800000	+4.800781	+0.78125	25.00000	P
2	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
3	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
3	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
3	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
3	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
3	1	Comp A	+6.600000	+6.602344	+2.34375	25.00000	P
4	1	Comp A	-0.600000	-0.599219	+0.78125	25.00000	P
4	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
4	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
4	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
4	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
5	1	Comp A	-0.600000	-0.599219	+0.78125	25.00000	P
5	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
5	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
5	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
5	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
6	1	Comp A	-0.600000	-0.596094	+3.90625	25.00000	P
6	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P

6	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
6	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
6	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
7	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
7	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
7	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
7	1	Comp A	+4.800000	+4.800781	+0.78125	25.00000	P
7	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
8	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
8	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
8	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
8	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
8	1	Comp A	+6.600000	+6.602344	+2.34375	25.00000	P
9	1	Comp A	-0.600000	-0.596094	+3.90625	25.00000	P
9	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
9	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
9	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
9	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
10	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
10	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
10	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
10	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
10	1	Comp A	+6.600000	+6.602344	+2.34375	25.00000	P
11	1	Comp A	-0.600000	-0.596094	+3.90625	25.00000	P
11	1	Comp A	+1.200000	+1.200781	+0.78125	25.00000	P
11	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
11	1	Comp A	+4.800000	+4.800781	+0.78125	25.00000	P
11	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
12	1	Comp A	-0.600000	-0.596094	+3.90625	25.00000	P
12	1	Comp A	+1.200000	+1.199219	-0.78125	25.00000	P
12	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
12	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
12	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
13	1	Comp A	-0.600000	-0.596094	+3.90625	25.00000	P
13	1	Comp A	+1.200000	+1.200781	+0.78125	25.00000	P
13	1	Comp A	+3.000000	+2.999219	-0.78125	25.00000	P
13	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
13	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
14	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P
14	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
14	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
14	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
14	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
15	1	Comp A	-0.600000	-0.597656	+2.34375	25.00000	P

15	1	Comp A	+1.200000	+1.197656	-2.34375	25.00000	P
15	1	Comp A	+3.000000	+2.997656	-2.34375	25.00000	P
15	1	Comp A	+4.800000	+4.799219	-0.78125	25.00000	P
15	1	Comp A	+6.600000	+6.603906	+3.90625	25.00000	P
0	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
0	1	Comp B	+1.200000	+1.200781	+0.78125	25.00000	P
0	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
0	1	Comp B	+4.800000	+4.800781	+0.78125	25.00000	P
0	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
1	1	Comp B	-0.600000	-0.599219	+0.78125	25.00000	P
1	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
1	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
1	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
1	1	Comp B	+6.600000	+6.600781	+0.78125	25.00000	P
2	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
2	1	Comp B	+1.200000	+1.199219	-0.78125	25.00000	P
2	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
2	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
2	1	Comp B	+6.600000	+6.600781	+0.78125	25.00000	P
3	1	Comp B	-0.600000	-0.599219	+0.78125	25.00000	P
3	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
3	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
3	1	Comp B	+4.800000	+4.800781	+0.78125	25.00000	P
3	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
4	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
4	1	Comp B	+1.200000	+1.200781	+0.78125	25.00000	P
4	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
4	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
4	1	Comp B	+6.600000	+6.602344	+2.34375	25.00000	P
5	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
5	1	Comp B	+1.200000	+1.199219	-0.78125	25.00000	P
5	1	Comp B	+3.000000	+2.999219	-0.78125	25.00000	P
5	1	Comp B	+4.800000	+4.800781	+0.78125	25.00000	P
5	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
6	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
6	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
6	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
6	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
6	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
7	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
7	1	Comp B	+1.200000	+1.200781	+0.78125	25.00000	P
7	1	Comp B	+3.000000	+2.999219	-0.78125	25.00000	P
7	1	Comp B	+4.800000	+4.800781	+0.78125	25.00000	P
7	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P

8	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
8	1	Comp B	+1.200000	+1.200781	+0.78125	25.00000	P
8	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
8	1	Comp B	+4.800000	+4.800781	+0.78125	25.00000	P
8	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
9	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
9	1	Comp B	+1.200000	+1.199219	-0.78125	25.00000	P
9	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
9	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
9	1	Comp B	+6.600000	+6.602344	+2.34375	25.00000	P
10	1	Comp B	-0.600000	-0.599219	+0.78125	25.00000	P
10	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
10	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
10	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
10	1	Comp B	+6.600000	+6.602344	+2.34375	25.00000	P
11	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
11	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
11	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
11	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
11	1	Comp B	+6.600000	+6.600781	+0.78125	25.00000	P
12	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
12	1	Comp B	+1.200000	+1.200781	+0.78125	25.00000	P
12	1	Comp B	+3.000000	+2.999219	-0.78125	25.00000	P
12	1	Comp B	+4.800000	+4.800781	+0.78125	25.00000	P
12	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
13	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
13	1	Comp B	+1.200000	+1.200781	+0.78125	25.00000	P
13	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
13	1	Comp B	+4.800000	+4.800781	+0.78125	25.00000	P
13	1	Comp B	+6.600000	+6.603906	+3.90625	25.00000	P
14	1	Comp B	-0.600000	-0.597656	+2.34375	25.00000	P
14	1	Comp B	+1.200000	+1.197656	-2.34375	25.00000	P
14	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
14	1	Comp B	+4.800000	+4.802344	+2.34375	25.00000	P
14	1	Comp B	+6.600000	+6.605469	+5.46875	25.00000	P
15	1	Comp B	-0.600000	-0.596094	+3.90625	25.00000	P
15	1	Comp B	+1.200000	+1.199219	-0.78125	25.00000	P
15	1	Comp B	+3.000000	+2.997656	-2.34375	25.00000	P
15	1	Comp B	+4.800000	+4.799219	-0.78125	25.00000	P
15	1	Comp B	+6.600000	+6.602344	+2.34375	25.00000	P

VENUS PPVI DACS Section:

Pin	VRng	DAC	Force (V)	MV (V)	Error(mV)	Limit(mV)	P/F

0	2	Force V	-1.600000	-1.603100	-3.09974	29.80000	P
0	2	Force V	+1.000000	+0.999353	-0.64689	28.50000	P
0	2	Force V	+3.000000	+2.998209	-1.79102	27.50000	P
0	2	Force V	+4.800000	+4.799689	-0.31089	26.60000	P
0	2	Force V	+7.600000	+7.594733	-5.26719	26.80000	P
1	2	Force V	-1.600000	-1.596984	+3.01634	29.80000	P
1	2	Force V	+1.000000	+1.001082	+1.08165	28.50000	P
1	2	Force V	+3.000000	+3.001640	+1.64021	27.50000	P
1	2	Force V	+4.800000	+4.802752	+2.75212	26.60000	P
1	2	Force V	+7.600000	+7.598204	-1.79632	26.80000	P
2	2	Force V	-1.600000	-1.600300	-0.30047	29.80000	P
2	2	Force V	+1.000000	+0.999031	-0.96896	28.50000	P
2	2	Force V	+3.000000	+3.000357	+0.35661	27.50000	P
2	2	Force V	+4.800000	+4.802319	+2.31850	26.60000	P
2	2	Force V	+7.600000	+7.598403	-1.59744	26.80000	P
3	2	Force V	-1.600000	-1.600921	-0.92098	29.80000	P
3	2	Force V	+1.000000	+1.000474	+0.47406	28.50000	P
3	2	Force V	+3.000000	+3.000021	+0.02064	27.50000	P
3	2	Force V	+4.800000	+4.801210	+1.21038	26.60000	P
3	2	Force V	+7.600000	+7.597963	-2.03667	26.80000	P
4	2	Force V	-1.600000	-1.599398	+0.60235	29.80000	P
4	2	Force V	+1.000000	+0.999010	-0.99042	28.50000	P
4	2	Force V	+3.000000	+3.000400	+0.39979	27.50000	P
4	2	Force V	+4.800000	+4.800783	+0.78289	26.60000	P
4	2	Force V	+7.600000	+7.597752	-2.24815	26.80000	P
5	2	Force V	-1.600000	-1.599395	+0.60511	29.80000	P
5	2	Force V	+1.000000	+0.998681	-1.31852	28.50000	P
5	2	Force V	+3.000000	+3.000413	+0.41262	27.50000	P
5	2	Force V	+4.800000	+4.801239	+1.23894	26.60000	P
5	2	Force V	+7.600000	+7.598628	-1.37212	26.80000	P
6	2	Force V	-1.600000	-1.598969	+1.03058	29.80000	P
6	2	Force V	+1.000000	+1.000779	+0.77886	28.50000	P
6	2	Force V	+3.000000	+2.999548	-0.45175	27.50000	P
6	2	Force V	+4.800000	+4.801299	+1.29861	26.60000	P
6	2	Force V	+7.600000	+7.597616	-2.38379	26.80000	P
7	2	Force V	-1.600000	-1.601833	-1.83265	29.80000	P
7	2	Force V	+1.000000	+0.999905	-0.09538	28.50000	P
7	2	Force V	+3.000000	+2.998556	-1.44417	27.50000	P
7	2	Force V	+4.800000	+4.800658	+0.65846	26.60000	P
7	2	Force V	+7.600000	+7.596006	-3.99411	26.80000	P
8	2	Force V	-1.600000	-1.599901	+0.09879	29.80000	P
8	2	Force V	+1.000000	+1.000209	+0.20895	28.50000	P
8	2	Force V	+3.000000	+2.998978	-1.02206	27.50000	P
8	2	Force V	+4.800000	+4.801416	+1.41644	26.60000	P

8	2	Force V	+7.600000	+7.593214	-6.78588	26.80000	P
9	2	Force V	-1.600000	-1.598466	+1.53450	29.80000	P
9	2	Force V	+1.000000	+1.000114	+0.11404	28.50000	P
9	2	Force V	+3.000000	+2.999587	-0.41331	27.50000	P
9	2	Force V	+4.800000	+4.802041	+2.04060	26.60000	P
9	2	Force V	+7.600000	+7.594362	-5.63782	26.80000	P
10	2	Force V	-1.600000	-1.599225	+0.77477	29.80000	P
10	2	Force V	+1.000000	+1.000460	+0.45952	28.50000	P
10	2	Force V	+3.000000	+3.000193	+0.19337	27.50000	P
10	2	Force V	+4.800000	+4.802643	+2.64331	26.60000	P
10	2	Force V	+7.600000	+7.596292	-3.70819	26.80000	P
11	2	Force V	-1.600000	-1.600497	-0.49692	29.80000	P
11	2	Force V	+1.000000	+1.001009	+1.00854	28.50000	P
11	2	Force V	+3.000000	+3.000950	+0.94971	27.50000	P
11	2	Force V	+4.800000	+4.803630	+3.62966	26.60000	P
11	2	Force V	+7.600000	+7.597172	-2.82813	26.80000	P
12	2	Force V	-1.600000	-1.602964	-2.96355	29.80000	P
12	2	Force V	+1.000000	+0.999393	-0.60746	28.50000	P
12	2	Force V	+3.000000	+2.998140	-1.86030	27.50000	P
12	2	Force V	+4.800000	+4.801411	+1.41094	26.60000	P
12	2	Force V	+7.600000	+7.596102	-3.89836	26.80000	P
13	2	Force V	-1.600000	-1.598395	+1.60514	29.80000	P
13	2	Force V	+1.000000	+1.001398	+1.39831	28.50000	P
13	2	Force V	+3.000000	+3.001163	+1.16319	27.50000	P
13	2	Force V	+4.800000	+4.803260	+3.26018	26.60000	P
13	2	Force V	+7.600000	+7.597879	-2.12134	26.80000	P
14	2	Force V	-1.600000	-1.601118	-1.11781	29.80000	P
14	2	Force V	+1.000000	+1.000977	+0.97659	28.50000	P
14	2	Force V	+3.000000	+3.001734	+1.73384	27.50000	P
14	2	Force V	+4.800000	+4.802725	+2.72457	26.60000	P
14	2	Force V	+7.600000	+7.595227	-4.77317	26.80000	P
15	2	Force V	-1.600000	-1.598220	+1.77990	29.80000	P
15	2	Force V	+1.000000	+1.001926	+1.92599	28.50000	P
15	2	Force V	+3.000000	+3.002319	+2.31912	27.50000	P
15	2	Force V	+4.800000	+4.803140	+3.13997	26.60000	P
15	2	Force V	+7.600000	+7.595749	-4.25135	26.80000	P
0	2	Clamp Hi	-0.000000	+0.003239	+3.23892	200.00000	P
0	2	Clamp Hi	+1.000000	+0.999495	-0.50544	200.00000	P
0	2	Clamp Hi	+3.000000	+2.989295	-10.70475	200.00000	P
0	2	Clamp Hi	+4.800000	+4.795167	-4.83288	200.00000	P
0	2	Clamp Hi	+7.600000	+7.617596	+17.59614	200.00000	P
1	2	Clamp Hi	-0.000000	+0.000932	+0.93157	200.00000	P
1	2	Clamp Hi	+1.000000	+0.999021	-0.97948	200.00000	P
1	2	Clamp Hi	+3.000000	+2.989935	-10.06498	200.00000	P

1	2	Clamp Hi	+4.800000	+4.794699	-5.30057	200.00000	P
1	2	Clamp Hi	+7.600000	+7.615884	+15.88410	200.00000	P
2	2	Clamp Hi	-0.000000	+0.001102	+1.10203	200.00000	P
2	2	Clamp Hi	+1.000000	+0.998688	-1.31202	200.00000	P
2	2	Clamp Hi	+3.000000	+2.985623	-14.37703	200.00000	P
2	2	Clamp Hi	+4.800000	+4.790408	-9.59237	200.00000	P
2	2	Clamp Hi	+7.600000	+7.613687	+13.68700	200.00000	P
3	2	Clamp Hi	-0.000000	-0.000056	-0.05572	200.00000	P
3	2	Clamp Hi	+1.000000	+0.996787	-3.21309	200.00000	P
3	2	Clamp Hi	+3.000000	+2.983795	-16.20513	200.00000	P
3	2	Clamp Hi	+4.800000	+4.787027	-12.97335	200.00000	P
3	2	Clamp Hi	+7.600000	+7.610533	+10.53290	200.00000	P
4	2	Clamp Hi	-0.000000	+0.002423	+2.42300	200.00000	P
4	2	Clamp Hi	+1.000000	+0.998482	-1.51793	200.00000	P
4	2	Clamp Hi	+3.000000	+2.991445	-8.55475	200.00000	P
4	2	Clamp Hi	+4.800000	+4.797340	-2.65996	200.00000	P
4	2	Clamp Hi	+7.600000	+7.614500	+14.50031	200.00000	P
5	2	Clamp Hi	-0.000000	+0.001207	+1.20717	200.00000	P
5	2	Clamp Hi	+1.000000	+0.998932	-1.06786	200.00000	P
5	2	Clamp Hi	+3.000000	+2.991254	-8.74606	200.00000	P
5	2	Clamp Hi	+4.800000	+4.796189	-3.81137	200.00000	P
5	2	Clamp Hi	+7.600000	+7.611849	+11.84910	200.00000	P
6	2	Clamp Hi	-0.000000	+0.001436	+1.43561	200.00000	P
6	2	Clamp Hi	+1.000000	+0.999137	-0.86279	200.00000	P
6	2	Clamp Hi	+3.000000	+2.989317	-10.68265	200.00000	P
6	2	Clamp Hi	+4.800000	+4.795278	-4.72249	200.00000	P
6	2	Clamp Hi	+7.600000	+7.610518	+10.51811	200.00000	P
7	2	Clamp Hi	-0.000000	+0.000768	+0.76759	200.00000	P
7	2	Clamp Hi	+1.000000	+0.998585	-1.41454	200.00000	P
7	2	Clamp Hi	+3.000000	+2.990258	-9.74165	200.00000	P
7	2	Clamp Hi	+4.800000	+4.796314	-3.68593	200.00000	P
7	2	Clamp Hi	+7.600000	+7.609269	+9.26894	200.00000	P
8	2	Clamp Hi	-0.000000	+0.000225	+0.22550	200.00000	P
8	2	Clamp Hi	+1.000000	+0.996402	-3.59762	200.00000	P
8	2	Clamp Hi	+3.000000	+2.986225	-13.77549	200.00000	P
8	2	Clamp Hi	+4.800000	+4.793548	-6.45170	200.00000	P
8	2	Clamp Hi	+7.600000	+7.608066	+8.06597	200.00000	P
9	2	Clamp Hi	-0.000000	+0.001998	+1.99754	200.00000	P
9	2	Clamp Hi	+1.000000	+0.998033	-1.96724	200.00000	P
9	2	Clamp Hi	+3.000000	+2.988878	-11.12222	200.00000	P
9	2	Clamp Hi	+4.800000	+4.796200	-3.80005	200.00000	P
9	2	Clamp Hi	+7.600000	+7.609936	+9.93643	200.00000	P
10	2	Clamp Hi	-0.000000	+0.003017	+3.01659	200.00000	P
10	2	Clamp Hi	+1.000000	+1.000230	+0.23033	200.00000	P

10	2	Clamp Hi	+3.000000	+2.989117	-10.88336	200.00000	P
10	2	Clamp Hi	+4.800000	+4.797487	-2.51262	200.00000	P
10	2	Clamp Hi	+7.600000	+7.618541	+18.54136	200.00000	P
11	2	Clamp Hi	-0.000000	+0.003837	+3.83733	200.00000	P
11	2	Clamp Hi	+1.000000	+1.002040	+2.03964	200.00000	P
11	2	Clamp Hi	+3.000000	+2.991642	-8.35769	200.00000	P
11	2	Clamp Hi	+4.800000	+4.797964	-2.03587	200.00000	P
11	2	Clamp Hi	+7.600000	+7.618036	+18.03637	200.00000	P
12	2	Clamp Hi	-0.000000	+0.001350	+1.35003	200.00000	P
12	2	Clamp Hi	+1.000000	+1.001649	+1.64866	200.00000	P
12	2	Clamp Hi	+3.000000	+2.991691	-8.30923	200.00000	P
12	2	Clamp Hi	+4.800000	+4.797250	-2.74992	200.00000	P
12	2	Clamp Hi	+7.600000	+7.612206	+12.20642	200.00000	P
13	2	Clamp Hi	-0.000000	+0.002081	+2.08146	200.00000	P
13	2	Clamp Hi	+1.000000	+1.000878	+0.87784	200.00000	P
13	2	Clamp Hi	+3.000000	+2.989162	-10.83832	200.00000	P
13	2	Clamp Hi	+4.800000	+4.796084	-3.91614	200.00000	P
13	2	Clamp Hi	+7.600000	+7.615413	+15.41266	200.00000	P
14	2	Clamp Hi	-0.000000	+0.001478	+1.47768	200.00000	P
14	2	Clamp Hi	+1.000000	+0.998173	-1.82688	200.00000	P
14	2	Clamp Hi	+3.000000	+2.986611	-13.38879	200.00000	P
14	2	Clamp Hi	+4.800000	+4.793071	-6.92886	200.00000	P
14	2	Clamp Hi	+7.600000	+7.610753	+10.75347	200.00000	P
15	2	Clamp Hi	-0.000000	+0.000092	+0.09205	200.00000	P
15	2	Clamp Hi	+1.000000	+0.996784	-3.21639	200.00000	P
15	2	Clamp Hi	+3.000000	+2.983542	-16.45788	200.00000	P
15	2	Clamp Hi	+4.800000	+4.789194	-10.80615	200.00000	P
15	2	Clamp Hi	+7.600000	+7.606634	+6.63449	200.00000	P
0	2	Clamp Lo	-1.600000	-1.601643	-1.64274	200.00000	P
0	2	Clamp Lo	+1.000000	+0.995228	-4.77183	200.00000	P
0	2	Clamp Lo	+3.000000	+2.996112	-3.88751	200.00000	P
0	2	Clamp Lo	+4.800000	+4.799157	-0.84306	200.00000	P
0	2	Clamp Lo	+7.600000	+7.597342	-2.65829	200.00000	P
1	2	Clamp Lo	-1.600000	-1.600938	-0.93772	200.00000	P
1	2	Clamp Lo	+1.000000	+0.995849	-4.15127	200.00000	P
1	2	Clamp Lo	+3.000000	+2.996537	-3.46253	200.00000	P
1	2	Clamp Lo	+4.800000	+4.797779	-2.22117	200.00000	P
1	2	Clamp Lo	+7.600000	+7.595068	-4.93226	200.00000	P
2	2	Clamp Lo	-1.600000	-1.598355	+1.64453	200.00000	P
2	2	Clamp Lo	+1.000000	+0.996847	-3.15290	200.00000	P
2	2	Clamp Lo	+3.000000	+2.996777	-3.22275	200.00000	P
2	2	Clamp Lo	+4.800000	+4.800275	+0.27524	200.00000	P
2	2	Clamp Lo	+7.600000	+7.596433	-3.56682	200.00000	P
3	2	Clamp Lo	-1.600000	-1.596085	+3.91542	200.00000	P

3	2	Clamp Lo	+1.000000	+0.997311	-2.68918	200.00000	P
3	2	Clamp Lo	+3.000000	+2.998775	-1.22491	200.00000	P
3	2	Clamp Lo	+4.800000	+4.799949	-0.05101	200.00000	P
3	2	Clamp Lo	+7.600000	+7.596637	-3.36340	200.00000	P
4	2	Clamp Lo	-1.600000	-1.596275	+3.72475	200.00000	P
4	2	Clamp Lo	+1.000000	+0.995883	-4.11696	200.00000	P
4	2	Clamp Lo	+3.000000	+2.997749	-2.25118	200.00000	P
4	2	Clamp Lo	+4.800000	+4.799813	-0.18677	200.00000	P
4	2	Clamp Lo	+7.600000	+7.598614	-1.38604	200.00000	P
5	2	Clamp Lo	-1.600000	-1.595598	+4.40211	200.00000	P
5	2	Clamp Lo	+1.000000	+0.996636	-3.36381	200.00000	P
5	2	Clamp Lo	+3.000000	+2.998131	-1.86919	200.00000	P
5	2	Clamp Lo	+4.800000	+4.799929	-0.07094	200.00000	P
5	2	Clamp Lo	+7.600000	+7.597746	-2.25407	200.00000	P
6	2	Clamp Lo	-1.600000	-1.597096	+2.90404	200.00000	P
6	2	Clamp Lo	+1.000000	+0.996651	-3.34879	200.00000	P
6	2	Clamp Lo	+3.000000	+2.997587	-2.41320	200.00000	P
6	2	Clamp Lo	+4.800000	+4.801443	+1.44316	200.00000	P
6	2	Clamp Lo	+7.600000	+7.598408	-1.59234	200.00000	P
7	2	Clamp Lo	-1.600000	-1.596883	+3.11707	200.00000	P
7	2	Clamp Lo	+1.000000	+0.997963	-2.03670	200.00000	P
7	2	Clamp Lo	+3.000000	+2.999030	-0.96999	200.00000	P
7	2	Clamp Lo	+4.800000	+4.801328	+1.32815	200.00000	P
7	2	Clamp Lo	+7.600000	+7.599831	-0.16901	200.00000	P
8	2	Clamp Lo	-1.600000	-1.598514	+1.48587	200.00000	P
8	2	Clamp Lo	+1.000000	+0.997677	-2.32267	200.00000	P
8	2	Clamp Lo	+3.000000	+2.998062	-1.93793	200.00000	P
8	2	Clamp Lo	+4.800000	+4.801175	+1.17486	200.00000	P
8	2	Clamp Lo	+7.600000	+7.595737	-4.26328	200.00000	P
9	2	Clamp Lo	-1.600000	-1.596257	+3.74278	200.00000	P
9	2	Clamp Lo	+1.000000	+0.998095	-1.90532	200.00000	P
9	2	Clamp Lo	+3.000000	+2.997896	-2.10358	200.00000	P
9	2	Clamp Lo	+4.800000	+4.800100	+0.10022	200.00000	P
9	2	Clamp Lo	+7.600000	+7.593803	-6.19653	200.00000	P
10	2	Clamp Lo	-1.600000	-1.601348	-1.34797	200.00000	P
10	2	Clamp Lo	+1.000000	+0.994543	-5.45739	200.00000	P
10	2	Clamp Lo	+3.000000	+2.996037	-3.96312	200.00000	P
10	2	Clamp Lo	+4.800000	+4.798259	-1.74067	200.00000	P
10	2	Clamp Lo	+7.600000	+7.594712	-5.28818	200.00000	P
11	2	Clamp Lo	-1.600000	-1.604279	-4.27898	200.00000	P
11	2	Clamp Lo	+1.000000	+0.996417	-3.58347	200.00000	P
11	2	Clamp Lo	+3.000000	+2.997032	-2.96816	200.00000	P
11	2	Clamp Lo	+4.800000	+4.799218	-0.78242	200.00000	P
11	2	Clamp Lo	+7.600000	+7.594120	-5.88045	200.00000	P

12	2	Clamp Lo	-1.600000	-1.600990	-0.99029	200.00000	P
12	2	Clamp Lo	+1.000000	+0.997261	-2.73923	200.00000	P
12	2	Clamp Lo	+3.000000	+2.997129	-2.87131	200.00000	P
12	2	Clamp Lo	+4.800000	+4.799952	-0.04803	200.00000	P
12	2	Clamp Lo	+7.600000	+7.596845	-3.15485	200.00000	P
13	2	Clamp Lo	-1.600000	-1.601097	-1.09671	200.00000	P
13	2	Clamp Lo	+1.000000	+0.997950	-2.04986	200.00000	P
13	2	Clamp Lo	+3.000000	+2.998050	-1.95011	200.00000	P
13	2	Clamp Lo	+4.800000	+4.800586	+0.58589	200.00000	P
13	2	Clamp Lo	+7.600000	+7.596573	-3.42665	200.00000	P
14	2	Clamp Lo	-1.600000	-1.599396	+0.60407	200.00000	P
14	2	Clamp Lo	+1.000000	+0.996918	-3.08208	200.00000	P
14	2	Clamp Lo	+3.000000	+2.997317	-2.68253	200.00000	P
14	2	Clamp Lo	+4.800000	+4.800183	+0.18272	200.00000	P
14	2	Clamp Lo	+7.600000	+7.593817	-6.18271	200.00000	P
15	2	Clamp Lo	-1.600000	-1.602125	-2.12521	200.00000	P
15	2	Clamp Lo	+1.000000	+0.996066	-3.93399	200.00000	P
15	2	Clamp Lo	+3.000000	+2.997367	-2.63339	200.00000	P
15	2	Clamp Lo	+4.800000	+4.799303	-0.69713	200.00000	P
15	2	Clamp Lo	+7.600000	+7.594430	-5.56980	200.00000	P

VENUS PPVI COMP DACS Section:

Pin	VRng	DAC	Force (V)	DAC (V)	Error(mV)	Limit(mV)	P/F
0	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
0	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
0	2	Comp A	+3.000000	+3.000586	+0.58594	50.00000	P
0	2	Comp A	+4.800000	+4.800586	+0.58594	50.00000	P
0	2	Comp A	+7.600000	+7.607617	+7.61719	50.00000	P
1	2	Comp A	-1.600000	-1.593555	+6.44531	50.00000	P
1	2	Comp A	+1.000000	+1.002930	+2.92969	50.00000	P
1	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
1	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
1	2	Comp A	+7.600000	+7.601758	+1.75781	50.00000	P
2	2	Comp A	-1.600000	-1.594727	+5.27344	50.00000	P
2	2	Comp A	+1.000000	+0.998242	-1.75781	50.00000	P
2	2	Comp A	+3.000000	+2.994727	-5.27344	50.00000	P
2	2	Comp A	+4.800000	+4.797070	-2.92969	50.00000	P
2	2	Comp A	+7.600000	+7.601758	+1.75781	50.00000	P
3	2	Comp A	-1.600000	-1.594727	+5.27344	50.00000	P
3	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
3	2	Comp A	+3.000000	+2.994727	-5.27344	50.00000	P
3	2	Comp A	+4.800000	+4.797070	-2.92969	50.00000	P
3	2	Comp A	+7.600000	+7.599414	-0.58594	50.00000	P

4	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
4	2	Comp A	+1.000000	+0.998242	-1.75781	50.00000	P
4	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
4	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
4	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
5	2	Comp A	-1.600000	-1.595898	+4.10156	50.00000	P
5	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
5	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
5	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
5	2	Comp A	+7.600000	+7.604102	+4.10156	50.00000	P
6	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
6	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
6	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
6	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
6	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
7	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
7	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
7	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
7	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
7	2	Comp A	+7.600000	+7.607617	+7.61719	50.00000	P
8	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
8	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
8	2	Comp A	+3.000000	+3.000586	+0.58594	50.00000	P
8	2	Comp A	+4.800000	+4.802930	+2.92969	50.00000	P
8	2	Comp A	+7.600000	+7.607617	+7.61719	50.00000	P
9	2	Comp A	-1.600000	-1.593555	+6.44531	50.00000	P
9	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
9	2	Comp A	+3.000000	+2.994727	-5.27344	50.00000	P
9	2	Comp A	+4.800000	+4.799414	-0.58594	50.00000	P
9	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
10	2	Comp A	-1.600000	-1.593555	+6.44531	50.00000	P
10	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
10	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
10	2	Comp A	+4.800000	+4.800586	+0.58594	50.00000	P
10	2	Comp A	+7.600000	+7.607617	+7.61719	50.00000	P
11	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
11	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
11	2	Comp A	+3.000000	+2.994727	-5.27344	50.00000	P
11	2	Comp A	+4.800000	+4.797070	-2.92969	50.00000	P
11	2	Comp A	+7.600000	+7.599414	-0.58594	50.00000	P
12	2	Comp A	-1.600000	-1.593555	+6.44531	50.00000	P
12	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
12	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
12	2	Comp A	+4.800000	+4.800586	+0.58594	50.00000	P

12	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
13	2	Comp A	-1.600000	-1.593555	+6.44531	50.00000	P
13	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
13	2	Comp A	+3.000000	+3.000586	+0.58594	50.00000	P
13	2	Comp A	+4.800000	+4.800586	+0.58594	50.00000	P
13	2	Comp A	+7.600000	+7.607617	+7.61719	50.00000	P
14	2	Comp A	-1.600000	-1.597070	+2.92969	50.00000	P
14	2	Comp A	+1.000000	+0.998242	-1.75781	50.00000	P
14	2	Comp A	+3.000000	+2.998242	-1.75781	50.00000	P
14	2	Comp A	+4.800000	+4.800586	+0.58594	50.00000	P
14	2	Comp A	+7.600000	+7.605273	+5.27344	50.00000	P
15	2	Comp A	-1.600000	-1.591211	+8.78906	50.00000	P
15	2	Comp A	+1.000000	+1.000586	+0.58594	50.00000	P
15	2	Comp A	+3.000000	+2.994727	-5.27344	50.00000	P
15	2	Comp A	+4.800000	+4.794727	-5.27344	50.00000	P
15	2	Comp A	+7.600000	+7.598242	-1.75781	50.00000	P
0	2	Comp B	-1.600000	-1.594727	+5.27344	50.00000	P
0	2	Comp B	+1.000000	+0.999414	-0.58594	50.00000	P
0	2	Comp B	+3.000000	+2.995898	-4.10156	50.00000	P
0	2	Comp B	+4.800000	+4.797070	-2.92969	50.00000	P
0	2	Comp B	+7.600000	+7.599414	-0.58594	50.00000	P
1	2	Comp B	-1.600000	-1.593555	+6.44531	50.00000	P
1	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
1	2	Comp B	+3.000000	+2.995898	-4.10156	50.00000	P
1	2	Comp B	+4.800000	+4.797070	-2.92969	50.00000	P
1	2	Comp B	+7.600000	+7.601758	+1.75781	50.00000	P
2	2	Comp B	-1.600000	-1.598242	+1.75781	50.00000	P
2	2	Comp B	+1.000000	+0.997070	-2.92969	50.00000	P
2	2	Comp B	+3.000000	+2.998242	-1.75781	50.00000	P
2	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
2	2	Comp B	+7.600000	+7.605273	+5.27344	50.00000	P
3	2	Comp B	-1.600000	-1.600586	-0.58594	50.00000	P
3	2	Comp B	+1.000000	+0.998242	-1.75781	50.00000	P
3	2	Comp B	+3.000000	+2.995898	-4.10156	50.00000	P
3	2	Comp B	+4.800000	+4.800586	+0.58594	50.00000	P
3	2	Comp B	+7.600000	+7.605273	+5.27344	50.00000	P
4	2	Comp B	-1.600000	-1.597070	+2.92969	50.00000	P
4	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
4	2	Comp B	+3.000000	+2.998242	-1.75781	50.00000	P
4	2	Comp B	+4.800000	+4.800586	+0.58594	50.00000	P
4	2	Comp B	+7.600000	+7.607617	+7.61719	50.00000	P
5	2	Comp B	-1.600000	-1.593555	+6.44531	50.00000	P
5	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
5	2	Comp B	+3.000000	+2.994727	-5.27344	50.00000	P

5	2	Comp B	+4.800000	+4.797070	-2.92969	50.00000	P
5	2	Comp B	+7.600000	+7.601758	+1.75781	50.00000	P
6	2	Comp B	-1.600000	-1.597070	+2.92969	50.00000	P
6	2	Comp B	+1.000000	+0.998242	-1.75781	50.00000	P
6	2	Comp B	+3.000000	+2.994727	-5.27344	50.00000	P
6	2	Comp B	+4.800000	+4.797070	-2.92969	50.00000	P
6	2	Comp B	+7.600000	+7.601758	+1.75781	50.00000	P
7	2	Comp B	-1.600000	-1.597070	+2.92969	50.00000	P
7	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
7	2	Comp B	+3.000000	+2.998242	-1.75781	50.00000	P
7	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
7	2	Comp B	+7.600000	+7.605273	+5.27344	50.00000	P
8	2	Comp B	-1.600000	-1.594727	+5.27344	50.00000	P
8	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
8	2	Comp B	+3.000000	+2.995898	-4.10156	50.00000	P
8	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
8	2	Comp B	+7.600000	+7.604102	+4.10156	50.00000	P
9	2	Comp B	-1.600000	-1.593555	+6.44531	50.00000	P
9	2	Comp B	+1.000000	+0.998242	-1.75781	50.00000	P
9	2	Comp B	+3.000000	+2.992383	-7.61719	50.00000	P
9	2	Comp B	+4.800000	+4.793555	-6.44531	50.00000	P
9	2	Comp B	+7.600000	+7.593555	-6.44531	50.00000	P
10	2	Comp B	-1.600000	-1.598242	+1.75781	50.00000	P
10	2	Comp B	+1.000000	+0.998242	-1.75781	50.00000	P
10	2	Comp B	+3.000000	+2.995898	-4.10156	50.00000	P
10	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
10	2	Comp B	+7.600000	+7.605273	+5.27344	50.00000	P
11	2	Comp B	-1.600000	-1.597070	+2.92969	50.00000	P
11	2	Comp B	+1.000000	+0.997070	-2.92969	50.00000	P
11	2	Comp B	+3.000000	+2.998242	-1.75781	50.00000	P
11	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
11	2	Comp B	+7.600000	+7.604102	+4.10156	50.00000	P
12	2	Comp B	-1.600000	-1.594727	+5.27344	50.00000	P
12	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
12	2	Comp B	+3.000000	+2.998242	-1.75781	50.00000	P
12	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
12	2	Comp B	+7.600000	+7.605273	+5.27344	50.00000	P
13	2	Comp B	-1.600000	-1.593555	+6.44531	50.00000	P
13	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
13	2	Comp B	+3.000000	+2.998242	-1.75781	50.00000	P
13	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
13	2	Comp B	+7.600000	+7.604102	+4.10156	50.00000	P
14	2	Comp B	-1.600000	-1.593555	+6.44531	50.00000	P
14	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P

14	2	Comp B	+3.000000	+3.000586	+0.58594	50.00000	P
14	2	Comp B	+4.800000	+4.802930	+2.92969	50.00000	P
14	2	Comp B	+7.600000	+7.607617	+7.61719	50.00000	P
15	2	Comp B	-1.600000	-1.593555	+6.44531	50.00000	P
15	2	Comp B	+1.000000	+1.000586	+0.58594	50.00000	P
15	2	Comp B	+3.000000	+2.998242	-1.75781	50.00000	P
15	2	Comp B	+4.800000	+4.799414	-0.58594	50.00000	P
15	2	Comp B	+7.600000	+7.602930	+2.92969	50.00000	P

VENUS DRV LEVEL Section:

Pin	VRng	DAC	Force (V)	MV (V)	Error(mV)	Limit(mV)	P/F
0	1	DRV Hi	-0.600000	-0.599505	+0.49537	25.00000	P
0	1	DRV Hi	+1.200000	+1.200320	+0.32036	25.00000	P
0	1	DRV Hi	+3.000000	+3.000679	+0.67933	25.00000	P
0	1	DRV Hi	+4.800000	+4.800885	+0.88478	25.00000	P
0	1	DRV Hi	+6.600000	+6.600152	+0.15152	25.00000	P
1	1	DRV Hi	-0.600000	-0.599332	+0.66778	25.00000	P
1	1	DRV Hi	+1.200000	+1.199873	-0.12732	25.00000	P
1	1	DRV Hi	+3.000000	+3.000838	+0.83764	25.00000	P
1	1	DRV Hi	+4.800000	+4.800225	+0.22478	25.00000	P
1	1	DRV Hi	+6.600000	+6.599436	-0.56397	25.00000	P
2	1	DRV Hi	-0.600000	-0.599606	+0.39372	25.00000	P
2	1	DRV Hi	+1.200000	+1.200259	+0.25870	25.00000	P
2	1	DRV Hi	+3.000000	+3.001023	+1.02280	25.00000	P
2	1	DRV Hi	+4.800000	+4.800293	+0.29299	25.00000	P
2	1	DRV Hi	+6.600000	+6.600338	+0.33807	25.00000	P
3	1	DRV Hi	-0.600000	-0.599877	+0.12279	25.00000	P
3	1	DRV Hi	+1.200000	+1.199582	-0.41764	25.00000	P
3	1	DRV Hi	+3.000000	+3.000803	+0.80341	25.00000	P
3	1	DRV Hi	+4.800000	+4.800402	+0.40159	25.00000	P
3	1	DRV Hi	+6.600000	+6.600494	+0.49436	25.00000	P
4	1	DRV Hi	-0.600000	-0.599526	+0.47378	25.00000	P
4	1	DRV Hi	+1.200000	+1.199701	-0.29935	25.00000	P
4	1	DRV Hi	+3.000000	+3.000208	+0.20792	25.00000	P
4	1	DRV Hi	+4.800000	+4.800070	+0.06956	25.00000	P
4	1	DRV Hi	+6.600000	+6.599104	-0.89581	25.00000	P
5	1	DRV Hi	-0.600000	-0.599260	+0.73950	25.00000	P
5	1	DRV Hi	+1.200000	+1.200642	+0.64235	25.00000	P
5	1	DRV Hi	+3.000000	+3.000331	+0.33089	25.00000	P
5	1	DRV Hi	+4.800000	+4.800818	+0.81804	25.00000	P
5	1	DRV Hi	+6.600000	+6.599792	-0.20793	25.00000	P
6	1	DRV Hi	-0.600000	-0.597838	+2.16188	25.00000	P
6	1	DRV Hi	+1.200000	+1.200775	+0.77465	25.00000	P

6	1	DRV Hi	+3.000000	+3.001081	+1.08144	25.00000	P
6	1	DRV Hi	+4.800000	+4.800756	+0.75577	25.00000	P
6	1	DRV Hi	+6.600000	+6.599465	-0.53490	25.00000	P
7	1	DRV Hi	-0.600000	-0.598302	+1.69756	25.00000	P
7	1	DRV Hi	+1.200000	+1.201081	+1.08144	25.00000	P
7	1	DRV Hi	+3.000000	+3.001144	+1.14439	25.00000	P
7	1	DRV Hi	+4.800000	+4.800194	+0.19447	25.00000	P
7	1	DRV Hi	+6.600000	+6.598596	-1.40357	25.00000	P
8	1	DRV Hi	-0.600000	-0.599504	+0.49621	25.00000	P
8	1	DRV Hi	+1.200000	+1.200572	+0.57150	25.00000	P
8	1	DRV Hi	+3.000000	+3.001651	+1.65051	25.00000	P
8	1	DRV Hi	+4.800000	+4.800775	+0.77534	25.00000	P
8	1	DRV Hi	+6.600000	+6.600156	+0.15622	25.00000	P
9	1	DRV Hi	-0.600000	-0.599972	+0.02829	25.00000	P
9	1	DRV Hi	+1.200000	+1.199398	-0.60214	25.00000	P
9	1	DRV Hi	+3.000000	+3.000963	+0.96299	25.00000	P
9	1	DRV Hi	+4.800000	+4.800067	+0.06701	25.00000	P
9	1	DRV Hi	+6.600000	+6.599368	-0.63216	25.00000	P
10	1	DRV Hi	-0.600000	-0.599504	+0.49612	25.00000	P
10	1	DRV Hi	+1.200000	+1.200619	+0.61851	25.00000	P
10	1	DRV Hi	+3.000000	+3.000813	+0.81343	25.00000	P
10	1	DRV Hi	+4.800000	+4.799900	-0.09962	25.00000	P
10	1	DRV Hi	+6.600000	+6.599496	-0.50417	25.00000	P
11	1	DRV Hi	-0.600000	-0.601155	-1.15487	25.00000	P
11	1	DRV Hi	+1.200000	+1.199856	-0.14396	25.00000	P
11	1	DRV Hi	+3.000000	+3.000483	+0.48342	25.00000	P
11	1	DRV Hi	+4.800000	+4.800073	+0.07349	25.00000	P
11	1	DRV Hi	+6.600000	+6.599760	-0.23952	25.00000	P
12	1	DRV Hi	-0.600000	-0.599541	+0.45869	25.00000	P
12	1	DRV Hi	+1.200000	+1.200274	+0.27376	25.00000	P
12	1	DRV Hi	+3.000000	+3.001568	+1.56830	25.00000	P
12	1	DRV Hi	+4.800000	+4.801530	+1.53028	25.00000	P
12	1	DRV Hi	+6.600000	+6.599522	-0.47841	25.00000	P
13	1	DRV Hi	-0.600000	-0.598399	+1.60088	25.00000	P
13	1	DRV Hi	+1.200000	+1.200681	+0.68106	25.00000	P
13	1	DRV Hi	+3.000000	+3.001577	+1.57743	25.00000	P
13	1	DRV Hi	+4.800000	+4.801021	+1.02136	25.00000	P
13	1	DRV Hi	+6.600000	+6.600187	+0.18713	25.00000	P
14	1	DRV Hi	-0.600000	-0.599337	+0.66302	25.00000	P
14	1	DRV Hi	+1.200000	+1.201289	+1.28891	25.00000	P
14	1	DRV Hi	+3.000000	+3.002339	+2.33915	25.00000	P
14	1	DRV Hi	+4.800000	+4.800702	+0.70171	25.00000	P
14	1	DRV Hi	+6.600000	+6.600211	+0.21093	25.00000	P
15	1	DRV Hi	-0.600000	-0.599782	+0.21811	25.00000	P

15	1	DRV Hi	+1.200000	+1.200387	+0.38717	25.00000	P
15	1	DRV Hi	+3.000000	+3.001442	+1.44160	25.00000	P
15	1	DRV Hi	+4.800000	+4.800397	+0.39674	25.00000	P
15	1	DRV Hi	+6.600000	+6.599315	-0.68469	25.00000	P
0	1	DRV Lo	-0.600000	-0.598500	+1.50029	25.00000	P
0	1	DRV Lo	+1.200000	+1.200749	+0.74886	25.00000	P
0	1	DRV Lo	+3.000000	+3.001355	+1.35526	25.00000	P
0	1	DRV Lo	+4.800000	+4.800779	+0.77918	25.00000	P
0	1	DRV Lo	+6.600000	+6.599005	-0.99473	25.00000	P
1	1	DRV Lo	-0.600000	-0.599491	+0.50943	25.00000	P
1	1	DRV Lo	+1.200000	+1.200558	+0.55810	25.00000	P
1	1	DRV Lo	+3.000000	+3.001164	+1.16371	25.00000	P
1	1	DRV Lo	+4.800000	+4.800129	+0.12873	25.00000	P
1	1	DRV Lo	+6.600000	+6.599125	-0.87517	25.00000	P
2	1	DRV Lo	-0.600000	-0.599259	+0.74061	25.00000	P
2	1	DRV Lo	+1.200000	+1.200224	+0.22431	25.00000	P
2	1	DRV Lo	+3.000000	+3.000634	+0.63408	25.00000	P
2	1	DRV Lo	+4.800000	+4.800664	+0.66403	25.00000	P
2	1	DRV Lo	+6.600000	+6.599894	-0.10601	25.00000	P
3	1	DRV Lo	-0.600000	-0.599719	+0.28066	25.00000	P
3	1	DRV Lo	+1.200000	+1.200157	+0.15729	25.00000	P
3	1	DRV Lo	+3.000000	+3.001104	+1.10428	25.00000	P
3	1	DRV Lo	+4.800000	+4.800766	+0.76586	25.00000	P
3	1	DRV Lo	+6.600000	+6.601002	+1.00224	25.00000	P
4	1	DRV Lo	-0.600000	-0.598940	+1.06040	25.00000	P
4	1	DRV Lo	+1.200000	+1.200195	+0.19511	25.00000	P
4	1	DRV Lo	+3.000000	+3.000404	+0.40383	25.00000	P
4	1	DRV Lo	+4.800000	+4.800377	+0.37702	25.00000	P
4	1	DRV Lo	+6.600000	+6.599074	-0.92641	25.00000	P
5	1	DRV Lo	-0.600000	-0.599253	+0.74743	25.00000	P
5	1	DRV Lo	+1.200000	+1.199940	-0.05995	25.00000	P
5	1	DRV Lo	+3.000000	+3.000273	+0.27286	25.00000	P
5	1	DRV Lo	+4.800000	+4.800518	+0.51790	25.00000	P
5	1	DRV Lo	+6.600000	+6.599198	-0.80173	25.00000	P
6	1	DRV Lo	-0.600000	-0.598670	+1.33048	25.00000	P
6	1	DRV Lo	+1.200000	+1.200325	+0.32531	25.00000	P
6	1	DRV Lo	+3.000000	+3.000678	+0.67769	25.00000	P
6	1	DRV Lo	+4.800000	+4.800414	+0.41431	25.00000	P
6	1	DRV Lo	+6.600000	+6.599120	-0.87978	25.00000	P
7	1	DRV Lo	-0.600000	-0.599087	+0.91344	25.00000	P
7	1	DRV Lo	+1.200000	+1.200184	+0.18410	25.00000	P
7	1	DRV Lo	+3.000000	+3.001321	+1.32074	25.00000	P
7	1	DRV Lo	+4.800000	+4.800717	+0.71693	25.00000	P
7	1	DRV Lo	+6.600000	+6.599682	-0.31769	25.00000	P

8	1	DRV Lo	-0.600000	-0.600042	-0.04196	25.00000	P
8	1	DRV Lo	+1.200000	+1.199908	-0.09171	25.00000	P
8	1	DRV Lo	+3.000000	+3.001422	+1.42164	25.00000	P
8	1	DRV Lo	+4.800000	+4.800362	+0.36171	25.00000	P
8	1	DRV Lo	+6.600000	+6.599956	-0.04426	25.00000	P
9	1	DRV Lo	-0.600000	-0.599465	+0.53465	25.00000	P
9	1	DRV Lo	+1.200000	+1.200497	+0.49674	25.00000	P
9	1	DRV Lo	+3.000000	+3.001438	+1.43767	25.00000	P
9	1	DRV Lo	+4.800000	+4.799952	-0.04840	25.00000	P
9	1	DRV Lo	+6.600000	+6.598780	-1.22017	25.00000	P
10	1	DRV Lo	-0.600000	-0.598848	+1.15204	25.00000	P
10	1	DRV Lo	+1.200000	+1.200622	+0.62156	25.00000	P
10	1	DRV Lo	+3.000000	+3.001354	+1.35377	25.00000	P
10	1	DRV Lo	+4.800000	+4.800364	+0.36354	25.00000	P
10	1	DRV Lo	+6.600000	+6.600288	+0.28817	25.00000	P
11	1	DRV Lo	-0.600000	-0.599802	+0.19757	25.00000	P
11	1	DRV Lo	+1.200000	+1.200460	+0.45984	25.00000	P
11	1	DRV Lo	+3.000000	+3.001447	+1.44661	25.00000	P
11	1	DRV Lo	+4.800000	+4.801052	+1.05216	25.00000	P
11	1	DRV Lo	+6.600000	+6.600936	+0.93603	25.00000	P
12	1	DRV Lo	-0.600000	-0.598848	+1.15203	25.00000	P
12	1	DRV Lo	+1.200000	+1.200562	+0.56185	25.00000	P
12	1	DRV Lo	+3.000000	+3.001332	+1.33214	25.00000	P
12	1	DRV Lo	+4.800000	+4.800611	+0.61139	25.00000	P
12	1	DRV Lo	+6.600000	+6.598831	-1.16931	25.00000	P
13	1	DRV Lo	-0.600000	-0.598036	+1.96415	25.00000	P
13	1	DRV Lo	+1.200000	+1.201340	+1.34003	25.00000	P
13	1	DRV Lo	+3.000000	+3.001973	+1.97350	25.00000	P
13	1	DRV Lo	+4.800000	+4.801727	+1.72667	25.00000	P
13	1	DRV Lo	+6.600000	+6.599531	-0.46903	25.00000	P
14	1	DRV Lo	-0.600000	-0.601104	-1.10353	25.00000	P
14	1	DRV Lo	+1.200000	+1.200334	+0.33450	25.00000	P
14	1	DRV Lo	+3.000000	+3.002237	+2.23711	25.00000	P
14	1	DRV Lo	+4.800000	+4.801514	+1.51361	25.00000	P
14	1	DRV Lo	+6.600000	+6.601129	+1.12889	25.00000	P
15	1	DRV Lo	-0.600000	-0.599961	+0.03945	25.00000	P
15	1	DRV Lo	+1.200000	+1.200312	+0.31234	25.00000	P
15	1	DRV Lo	+3.000000	+3.001700	+1.69972	25.00000	P
15	1	DRV Lo	+4.800000	+4.800516	+0.51641	25.00000	P
15	1	DRV Lo	+6.600000	+6.599831	-0.16870	25.00000	P
0	1	VTT	-0.600000	-0.598838	+1.16190	25.00000	P
0	1	VTT	+1.200000	+1.200036	+0.03551	25.00000	P
0	1	VTT	+3.000000	+3.000092	+0.09206	25.00000	P
0	1	VTT	+4.800000	+4.799324	-0.67583	25.00000	P

0	1	VTT	+6.600000	+6.598770	-1.23020	25.00000	P
1	1	VTT	-0.600000	-0.600206	-0.20622	25.00000	P
1	1	VTT	+1.200000	+1.199339	-0.66073	25.00000	P
1	1	VTT	+3.000000	+3.000393	+0.39309	25.00000	P
1	1	VTT	+4.800000	+4.800101	+0.10118	25.00000	P
1	1	VTT	+6.600000	+6.599528	-0.47219	25.00000	P
2	1	VTT	-0.600000	-0.599676	+0.32446	25.00000	P
2	1	VTT	+1.200000	+1.199983	-0.01663	25.00000	P
2	1	VTT	+3.000000	+3.000258	+0.25768	25.00000	P
2	1	VTT	+4.800000	+4.800456	+0.45565	25.00000	P
2	1	VTT	+6.600000	+6.599808	-0.19197	25.00000	P
3	1	VTT	-0.600000	-0.598514	+1.48648	25.00000	P
3	1	VTT	+1.200000	+1.200735	+0.73478	25.00000	P
3	1	VTT	+3.000000	+3.000696	+0.69625	25.00000	P
3	1	VTT	+4.800000	+4.800526	+0.52631	25.00000	P
3	1	VTT	+6.600000	+6.599359	-0.64135	25.00000	P
4	1	VTT	-0.600000	-0.598409	+1.59058	25.00000	P
4	1	VTT	+1.200000	+1.200176	+0.17633	25.00000	P
4	1	VTT	+3.000000	+3.000120	+0.11966	25.00000	P
4	1	VTT	+4.800000	+4.800070	+0.06956	25.00000	P
4	1	VTT	+6.600000	+6.598951	-1.04893	25.00000	P
5	1	VTT	-0.600000	-0.599250	+0.74987	25.00000	P
5	1	VTT	+1.200000	+1.199671	-0.32864	25.00000	P
5	1	VTT	+3.000000	+3.000074	+0.07415	25.00000	P
5	1	VTT	+4.800000	+4.799709	-0.29132	25.00000	P
5	1	VTT	+6.600000	+6.598308	-1.69178	25.00000	P
6	1	VTT	-0.600000	-0.599330	+0.67036	25.00000	P
6	1	VTT	+1.200000	+1.200137	+0.13696	25.00000	P
6	1	VTT	+3.000000	+3.000288	+0.28819	25.00000	P
6	1	VTT	+4.800000	+4.800800	+0.80002	25.00000	P
6	1	VTT	+6.600000	+6.598917	-1.08336	25.00000	P
7	1	VTT	-0.600000	-0.598568	+1.43164	25.00000	P
7	1	VTT	+1.200000	+1.199921	-0.07853	25.00000	P
7	1	VTT	+3.000000	+3.000922	+0.92198	25.00000	P
7	1	VTT	+4.800000	+4.800858	+0.85818	25.00000	P
7	1	VTT	+6.600000	+6.599431	-0.56911	25.00000	P
8	1	VTT	-0.600000	-0.599524	+0.47586	25.00000	P
8	1	VTT	+1.200000	+1.200175	+0.17506	25.00000	P
8	1	VTT	+3.000000	+3.001552	+1.55204	25.00000	P
8	1	VTT	+4.800000	+4.800075	+0.07508	25.00000	P
8	1	VTT	+6.600000	+6.599375	-0.62497	25.00000	P
9	1	VTT	-0.600000	-0.599317	+0.68296	25.00000	P
9	1	VTT	+1.200000	+1.200153	+0.15258	25.00000	P
9	1	VTT	+3.000000	+3.001034	+1.03441	25.00000	P

9	1	VTT	+4.800000	+4.800084	+0.08431	25.00000	P
9	1	VTT	+6.600000	+6.598399	-1.60076	25.00000	P
10	1	VTT	-0.600000	-0.599809	+0.19133	25.00000	P
10	1	VTT	+1.200000	+1.199954	-0.04570	25.00000	P
10	1	VTT	+3.000000	+3.000911	+0.91133	25.00000	P
10	1	VTT	+4.800000	+4.799922	-0.07805	25.00000	P
10	1	VTT	+6.600000	+6.599246	-0.75385	25.00000	P
11	1	VTT	-0.600000	-0.599200	+0.79955	25.00000	P
11	1	VTT	+1.200000	+1.200831	+0.83056	25.00000	P
11	1	VTT	+3.000000	+3.001611	+1.61106	25.00000	P
11	1	VTT	+4.800000	+4.800618	+0.61817	25.00000	P
11	1	VTT	+6.600000	+6.599570	-0.42969	25.00000	P
12	1	VTT	-0.600000	-0.599394	+0.60645	25.00000	P
12	1	VTT	+1.200000	+1.200405	+0.40543	25.00000	P
12	1	VTT	+3.000000	+3.001161	+1.16097	25.00000	P
12	1	VTT	+4.800000	+4.800249	+0.24905	25.00000	P
12	1	VTT	+6.600000	+6.599110	-0.89049	25.00000	P
13	1	VTT	-0.600000	-0.598194	+1.80562	25.00000	P
13	1	VTT	+1.200000	+1.200924	+0.92384	25.00000	P
13	1	VTT	+3.000000	+3.001261	+1.26124	25.00000	P
13	1	VTT	+4.800000	+4.800956	+0.95648	25.00000	P
13	1	VTT	+6.600000	+6.600036	+0.03605	25.00000	P
14	1	VTT	-0.600000	-0.600303	-0.30333	25.00000	P
14	1	VTT	+1.200000	+1.200851	+0.85053	25.00000	P
14	1	VTT	+3.000000	+3.002225	+2.22517	25.00000	P
14	1	VTT	+4.800000	+4.801271	+1.27089	25.00000	P
14	1	VTT	+6.600000	+6.601052	+1.05184	25.00000	P
15	1	VTT	-0.600000	-0.599544	+0.45624	25.00000	P
15	1	VTT	+1.200000	+1.200585	+0.58484	25.00000	P
15	1	VTT	+3.000000	+3.001620	+1.61965	25.00000	P
15	1	VTT	+4.800000	+4.800160	+0.15971	25.00000	P
15	1	VTT	+6.600000	+6.599790	-0.20977	25.00000	P

VENUS RCV LEVEL Section:

Pin	VRng	DAC	Force (V)	DAC (V)	Error(mV)	Limit(mV)	P/F
0	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
0	1	RV Cmp L	+1.200000	+1.199219	-0.78125	25.00000	P
0	1	RV Cmp L	+3.000000	+2.999219	-0.78125	25.00000	P
0	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
0	1	RV Cmp L	+6.600000	+6.599219	-0.78125	25.00000	P
1	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
1	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
1	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P

1	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
1	1	RV Cmp L	+6.600000	+6.603906	+3.90625	25.00000	P
2	1	RV Cmp L	-0.600000	-0.600781	-0.78125	25.00000	P
2	1	RV Cmp L	+1.200000	+1.199219	-0.78125	25.00000	P
2	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
2	1	RV Cmp L	+4.800000	+4.802344	+2.34375	25.00000	P
2	1	RV Cmp L	+6.600000	+6.602344	+2.34375	25.00000	P
3	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
3	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
3	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
3	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
3	1	RV Cmp L	+6.600000	+6.599219	-0.78125	25.00000	P
4	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
4	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
4	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
4	1	RV Cmp L	+4.800000	+4.802344	+2.34375	25.00000	P
4	1	RV Cmp L	+6.600000	+6.602344	+2.34375	25.00000	P
5	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
5	1	RV Cmp L	+1.200000	+1.199219	-0.78125	25.00000	P
5	1	RV Cmp L	+3.000000	+3.000781	+0.78125	25.00000	P
5	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
5	1	RV Cmp L	+6.600000	+6.597656	-2.34375	25.00000	P
6	1	RV Cmp L	-0.600000	-0.600781	-0.78125	25.00000	P
6	1	RV Cmp L	+1.200000	+1.199219	-0.78125	25.00000	P
6	1	RV Cmp L	+3.000000	+2.999219	-0.78125	25.00000	P
6	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
6	1	RV Cmp L	+6.600000	+6.600781	+0.78125	25.00000	P
7	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
7	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
7	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
7	1	RV Cmp L	+4.800000	+4.802344	+2.34375	25.00000	P
7	1	RV Cmp L	+6.600000	+6.600781	+0.78125	25.00000	P
8	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
8	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
8	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
8	1	RV Cmp L	+4.800000	+4.802344	+2.34375	25.00000	P
8	1	RV Cmp L	+6.600000	+6.602344	+2.34375	25.00000	P
9	1	RV Cmp L	-0.600000	-0.599219	+0.78125	25.00000	P
9	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
9	1	RV Cmp L	+3.000000	+2.999219	-0.78125	25.00000	P
9	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
9	1	RV Cmp L	+6.600000	+6.600781	+0.78125	25.00000	P
10	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
10	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P

10	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
10	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
10	1	RV Cmp L	+6.600000	+6.597656	-2.34375	25.00000	P
11	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
11	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
11	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
11	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
11	1	RV Cmp L	+6.600000	+6.600781	+0.78125	25.00000	P
12	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
12	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
12	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
12	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
12	1	RV Cmp L	+6.600000	+6.600781	+0.78125	25.00000	P
13	1	RV Cmp L	-0.600000	-0.596094	+3.90625	25.00000	P
13	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
13	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
13	1	RV Cmp L	+4.800000	+4.799219	-0.78125	25.00000	P
13	1	RV Cmp L	+6.600000	+6.599219	-0.78125	25.00000	P
14	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
14	1	RV Cmp L	+1.200000	+1.202344	+2.34375	25.00000	P
14	1	RV Cmp L	+3.000000	+3.003906	+3.90625	25.00000	P
14	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
14	1	RV Cmp L	+6.600000	+6.600781	+0.78125	25.00000	P
15	1	RV Cmp L	-0.600000	-0.597656	+2.34375	25.00000	P
15	1	RV Cmp L	+1.200000	+1.200781	+0.78125	25.00000	P
15	1	RV Cmp L	+3.000000	+3.002344	+2.34375	25.00000	P
15	1	RV Cmp L	+4.800000	+4.800781	+0.78125	25.00000	P
15	1	RV Cmp L	+6.600000	+6.600781	+0.78125	25.00000	P
0	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P
0	1	RV Cmp H	+1.200000	+1.199219	-0.78125	25.00000	P
0	1	RV Cmp H	+3.000000	+2.999219	-0.78125	25.00000	P
0	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
0	1	RV Cmp H	+6.600000	+6.596094	-3.90625	25.00000	P
1	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P
1	1	RV Cmp H	+1.200000	+1.199219	-0.78125	25.00000	P
1	1	RV Cmp H	+3.000000	+2.999219	-0.78125	25.00000	P
1	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
1	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P
2	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P
2	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
2	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
2	1	RV Cmp H	+4.800000	+4.802344	+2.34375	25.00000	P
2	1	RV Cmp H	+6.600000	+6.602344	+2.34375	25.00000	P
3	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P

3	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
3	1	RV Cmp H	+3.000000	+2.999219	-0.78125	25.00000	P
3	1	RV Cmp H	+4.800000	+4.800781	+0.78125	25.00000	P
3	1	RV Cmp H	+6.600000	+6.597656	-2.34375	25.00000	P
4	1	RV Cmp H	-0.600000	-0.600781	-0.78125	25.00000	P
4	1	RV Cmp H	+1.200000	+1.197656	-2.34375	25.00000	P
4	1	RV Cmp H	+3.000000	+2.999219	-0.78125	25.00000	P
4	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
4	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P
5	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
5	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
5	1	RV Cmp H	+3.000000	+3.000781	+0.78125	25.00000	P
5	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
5	1	RV Cmp H	+6.600000	+6.596094	-3.90625	25.00000	P
6	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P
6	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
6	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
6	1	RV Cmp H	+4.800000	+4.802344	+2.34375	25.00000	P
6	1	RV Cmp H	+6.600000	+6.603906	+3.90625	25.00000	P
7	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
7	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
7	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
7	1	RV Cmp H	+4.800000	+4.800781	+0.78125	25.00000	P
7	1	RV Cmp H	+6.600000	+6.603906	+3.90625	25.00000	P
8	1	RV Cmp H	-0.600000	-0.599219	+0.78125	25.00000	P
8	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
8	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
8	1	RV Cmp H	+4.800000	+4.802344	+2.34375	25.00000	P
8	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P
9	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
9	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
9	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
9	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
9	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P
10	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
10	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
10	1	RV Cmp H	+3.000000	+3.003906	+3.90625	25.00000	P
10	1	RV Cmp H	+4.800000	+4.802344	+2.34375	25.00000	P
10	1	RV Cmp H	+6.600000	+6.599219	-0.78125	25.00000	P
11	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
11	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
11	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
11	1	RV Cmp H	+4.800000	+4.802344	+2.34375	25.00000	P
11	1	RV Cmp H	+6.600000	+6.603906	+3.90625	25.00000	P

12	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
12	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
12	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
12	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
12	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P
13	1	RV Cmp H	-0.600000	-0.596094	+3.90625	25.00000	P
13	1	RV Cmp H	+1.200000	+1.202344	+2.34375	25.00000	P
13	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
13	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
13	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P
14	1	RV Cmp H	-0.600000	-0.600781	-0.78125	25.00000	P
14	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
14	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
14	1	RV Cmp H	+4.800000	+4.800781	+0.78125	25.00000	P
14	1	RV Cmp H	+6.600000	+6.599219	-0.78125	25.00000	P
15	1	RV Cmp H	-0.600000	-0.597656	+2.34375	25.00000	P
15	1	RV Cmp H	+1.200000	+1.200781	+0.78125	25.00000	P
15	1	RV Cmp H	+3.000000	+3.002344	+2.34375	25.00000	P
15	1	RV Cmp H	+4.800000	+4.799219	-0.78125	25.00000	P
15	1	RV Cmp H	+6.600000	+6.600781	+0.78125	25.00000	P

VENUS RCV Atten Level Section:

Pin	VRng	DAC	Force (V)	DAC (V)	Error(mV)	Limit(mV)	P/F
0	1	Atten Hi	-0.946035	-0.947754	-1.71887	75.00000	P
0	1	Atten Hi	+1.041188	+1.039551	-1.63761	75.00000	P
0	1	Atten Hi	+3.029412	+3.026855	-2.55652	75.00000	P
0	1	Atten Hi	+5.015500	+5.014160	-1.33938	75.00000	P
0	1	Atten Hi	+7.002086	+6.996582	-5.50441	75.00000	P
1	1	Atten Hi	-0.948008	-0.942871	+5.13734	75.00000	P
1	1	Atten Hi	+1.039879	+1.039551	-0.32811	75.00000	P
1	1	Atten Hi	+3.026936	+3.026855	-0.08064	75.00000	P
1	1	Atten Hi	+5.012793	+5.009277	-3.51580	75.00000	P
1	1	Atten Hi	+6.999473	+6.996582	-2.89131	75.00000	P
2	1	Atten Hi	-0.940131	-0.937988	+2.14229	75.00000	P
2	1	Atten Hi	+1.046988	+1.049316	+2.32867	75.00000	P
2	1	Atten Hi	+3.033827	+3.036621	+2.79452	75.00000	P
2	1	Atten Hi	+5.018954	+5.023926	+4.97191	75.00000	P
2	1	Atten Hi	+7.005544	+7.006348	+0.80332	75.00000	P
3	1	Atten Hi	-0.941291	-0.937988	+3.30275	75.00000	P
3	1	Atten Hi	+1.046056	+1.044434	-1.62248	75.00000	P
3	1	Atten Hi	+3.033665	+3.031738	-1.92714	75.00000	P
3	1	Atten Hi	+5.019417	+5.019043	-0.37388	75.00000	P
3	1	Atten Hi	+7.005830	+7.001465	-4.36467	75.00000	P

4	1	Atten Hi	-0.943668	-0.942871	+0.79720	75.00000	P
4	1	Atten Hi	+1.042287	+1.039551	-2.73578	75.00000	P
4	1	Atten Hi	+3.029452	+3.031738	+2.28631	75.00000	P
4	1	Atten Hi	+5.015086	+5.009277	-5.80838	75.00000	P
4	1	Atten Hi	+7.001143	+6.996582	-4.56095	75.00000	P
5	1	Atten Hi	-0.942103	-0.923340	+18.76301	75.00000	P
5	1	Atten Hi	+1.043867	+1.054199	+10.33218	75.00000	P
5	1	Atten Hi	+3.031090	+3.041504	+10.41365	75.00000	P
5	1	Atten Hi	+5.017203	+5.023926	+6.72300	75.00000	P
5	1	Atten Hi	+7.002946	+7.011230	+8.28491	75.00000	P
6	1	Atten Hi	-0.938117	-0.933105	+5.01133	75.00000	P
6	1	Atten Hi	+1.048126	+1.054199	+6.07309	75.00000	P
6	1	Atten Hi	+3.035350	+3.036621	+1.27082	75.00000	P
6	1	Atten Hi	+5.020922	+5.023926	+3.00332	75.00000	P
6	1	Atten Hi	+7.007199	+7.001465	-5.73382	75.00000	P
7	1	Atten Hi	-0.945315	-0.937988	+7.32689	75.00000	P
7	1	Atten Hi	+1.041370	+1.044434	+3.06382	75.00000	P
7	1	Atten Hi	+3.028239	+3.031738	+3.49893	75.00000	P
7	1	Atten Hi	+5.014014	+5.019043	+5.02869	75.00000	P
7	1	Atten Hi	+6.998804	+7.001465	+2.66061	75.00000	P
8	1	Atten Hi	-0.943786	-0.937988	+5.79747	75.00000	P
8	1	Atten Hi	+1.043000	+1.044434	+1.43339	75.00000	P
8	1	Atten Hi	+3.030385	+3.031738	+1.35326	75.00000	P
8	1	Atten Hi	+5.015386	+5.019043	+3.65725	75.00000	P
8	1	Atten Hi	+7.001513	+7.001465	-0.04800	75.00000	P
9	1	Atten Hi	-0.940844	-0.933105	+7.73842	75.00000	P
9	1	Atten Hi	+1.046281	+1.054199	+7.91850	75.00000	P
9	1	Atten Hi	+3.034395	+3.041504	+7.10889	75.00000	P
9	1	Atten Hi	+5.019174	+5.023926	+4.75150	75.00000	P
9	1	Atten Hi	+7.005190	+7.001465	-3.72554	75.00000	P
10	1	Atten Hi	-0.961208	-0.962402	-1.19407	75.00000	P
10	1	Atten Hi	+1.025857	+1.024902	-0.95455	75.00000	P
10	1	Atten Hi	+3.013572	+3.012207	-1.36497	75.00000	P
10	1	Atten Hi	+4.998354	+4.994629	-3.72487	75.00000	P
10	1	Atten Hi	+6.985289	+6.981934	-3.35550	75.00000	P
11	1	Atten Hi	-0.947626	-0.942871	+4.75494	75.00000	P
11	1	Atten Hi	+1.038466	+1.039551	+1.08432	75.00000	P
11	1	Atten Hi	+3.025651	+3.021973	-3.67836	75.00000	P
11	1	Atten Hi	+5.009946	+5.009277	-0.66902	75.00000	P
11	1	Atten Hi	+6.995823	+6.986816	-9.00631	75.00000	P
12	1	Atten Hi	-0.953054	-0.947754	+5.30044	75.00000	P
12	1	Atten Hi	+1.034105	+1.039551	+5.44596	75.00000	P
12	1	Atten Hi	+3.021513	+3.021973	+0.45958	75.00000	P
12	1	Atten Hi	+5.007069	+5.009277	+2.20818	75.00000	P

12	1	Atten Hi	+6.991803	+6.986816	-4.98627	75.00000	P
13	1	Atten Hi	-0.944899	-0.933105	+11.79398	75.00000	P
13	1	Atten Hi	+1.041090	+1.049316	+8.22600	75.00000	P
13	1	Atten Hi	+3.028225	+3.036621	+8.39652	75.00000	P
13	1	Atten Hi	+5.013801	+5.019043	+5.24155	75.00000	P
13	1	Atten Hi	+6.999924	+7.001465	+1.54041	75.00000	P
14	1	Atten Hi	-0.961533	-0.957520	+4.01341	75.00000	P
14	1	Atten Hi	+1.026752	+1.029785	+3.03341	75.00000	P
14	1	Atten Hi	+3.015461	+3.017090	+1.62918	75.00000	P
14	1	Atten Hi	+5.000671	+5.004395	+3.72379	75.00000	P
14	1	Atten Hi	+6.987160	+6.991699	+4.53875	75.00000	P
15	1	Atten Hi	-0.950412	-0.947754	+2.65838	75.00000	P
15	1	Atten Hi	+1.037198	+1.039551	+2.35310	75.00000	P
15	1	Atten Hi	+3.025118	+3.026855	+1.73706	75.00000	P
15	1	Atten Hi	+5.010133	+5.009277	-0.85524	75.00000	P
15	1	Atten Hi	+6.996706	+6.996582	-0.12366	75.00000	P
0	1	Atten Lo	-0.945842	-0.947754	-1.91239	75.00000	P
0	1	Atten Lo	+1.041403	+1.039551	-1.85272	75.00000	P
0	1	Atten Lo	+3.029420	+3.031738	+2.31788	75.00000	P
0	1	Atten Lo	+5.015617	+5.009277	-6.33926	75.00000	P
0	1	Atten Lo	+7.002452	+6.996582	-5.86950	75.00000	P
1	1	Atten Lo	-0.947606	-0.937988	+9.61790	75.00000	P
1	1	Atten Lo	+1.039569	+1.044434	+4.86480	75.00000	P
1	1	Atten Lo	+3.027373	+3.031738	+4.36517	75.00000	P
1	1	Atten Lo	+5.013184	+5.014160	+0.97573	75.00000	P
1	1	Atten Lo	+6.999362	+7.001465	+2.10268	75.00000	P
2	1	Atten Lo	-0.940102	-0.937988	+2.11376	75.00000	P
2	1	Atten Lo	+1.046884	+1.044434	-2.45062	75.00000	P
2	1	Atten Lo	+3.034114	+3.031738	-2.37545	75.00000	P
2	1	Atten Lo	+5.018978	+5.019043	+0.06532	75.00000	P
2	1	Atten Lo	+7.005792	+7.001465	-4.32750	75.00000	P
3	1	Atten Lo	-0.940982	-0.937988	+2.99371	75.00000	P
3	1	Atten Lo	+1.046544	+1.049316	+2.77244	75.00000	P
3	1	Atten Lo	+3.033566	+3.031738	-1.82729	75.00000	P
3	1	Atten Lo	+5.018899	+5.014160	-4.73882	75.00000	P
3	1	Atten Lo	+7.005376	+7.001465	-3.91080	75.00000	P
4	1	Atten Lo	-0.943928	-0.937988	+5.94004	75.00000	P
4	1	Atten Lo	+1.042020	+1.054199	+12.17890	75.00000	P
4	1	Atten Lo	+3.029506	+3.031738	+2.23255	75.00000	P
4	1	Atten Lo	+5.014695	+5.023926	+9.23029	75.00000	P
4	1	Atten Lo	+7.001240	+7.001465	+0.22458	75.00000	P
5	1	Atten Lo	-0.942649	-0.923340	+19.30903	75.00000	P
5	1	Atten Lo	+1.043871	+1.054199	+10.32779	75.00000	P
5	1	Atten Lo	+3.031420	+3.041504	+10.08377	75.00000	P

5	1	Atten Lo	+5.017133	+5.028809	+11.67566	75.00000	P
5	1	Atten Lo	+7.002797	+7.011230	+8.43375	75.00000	P
6	1	Atten Lo	-0.938505	-0.933105	+5.39972	75.00000	P
6	1	Atten Lo	+1.047985	+1.054199	+6.21389	75.00000	P
6	1	Atten Lo	+3.035306	+3.036621	+1.31507	75.00000	P
6	1	Atten Lo	+5.020948	+5.023926	+2.97735	75.00000	P
6	1	Atten Lo	+7.006646	+7.006348	-0.29804	75.00000	P
7	1	Atten Lo	-0.945230	-0.937988	+7.24134	75.00000	P
7	1	Atten Lo	+1.041412	+1.039551	-1.86103	75.00000	P
7	1	Atten Lo	+3.028572	+3.031738	+3.16586	75.00000	P
7	1	Atten Lo	+5.013739	+5.014160	+0.42082	75.00000	P
7	1	Atten Lo	+6.998881	+6.996582	-2.29862	75.00000	P
8	1	Atten Lo	-0.944051	-0.937988	+6.06253	75.00000	P
8	1	Atten Lo	+1.043174	+1.049316	+6.14290	75.00000	P
8	1	Atten Lo	+3.030659	+3.036621	+5.96259	75.00000	P
8	1	Atten Lo	+5.015976	+5.023926	+7.94961	75.00000	P
8	1	Atten Lo	+7.001767	+7.001465	-0.30173	75.00000	P
9	1	Atten Lo	-0.940376	-0.933105	+7.27082	75.00000	P
9	1	Atten Lo	+1.046884	+1.054199	+7.31489	75.00000	P
9	1	Atten Lo	+3.034490	+3.041504	+7.01420	75.00000	P
9	1	Atten Lo	+5.019040	+5.023926	+4.88604	75.00000	P
9	1	Atten Lo	+7.005236	+7.006348	+1.11157	75.00000	P
10	1	Atten Lo	-0.961726	-0.957520	+4.20628	75.00000	P
10	1	Atten Lo	+1.025490	+1.024902	-0.58733	75.00000	P
10	1	Atten Lo	+3.013173	+3.017090	+3.91652	75.00000	P
10	1	Atten Lo	+4.997977	+4.999512	+1.53431	75.00000	P
10	1	Atten Lo	+6.984928	+6.986816	+1.88794	75.00000	P
11	1	Atten Lo	-0.947862	-0.947754	+0.10839	75.00000	P
11	1	Atten Lo	+1.038600	+1.039551	+0.95046	75.00000	P
11	1	Atten Lo	+3.025733	+3.031738	+6.00498	75.00000	P
11	1	Atten Lo	+5.010158	+5.009277	-0.88040	75.00000	P
11	1	Atten Lo	+6.996072	+6.996582	+0.51025	75.00000	P
12	1	Atten Lo	-0.952594	-0.947754	+4.84033	75.00000	P
12	1	Atten Lo	+1.034127	+1.034668	+0.54120	75.00000	P
12	1	Atten Lo	+3.021232	+3.021973	+0.74048	75.00000	P
12	1	Atten Lo	+5.006763	+5.009277	+2.51468	75.00000	P
12	1	Atten Lo	+6.992661	+6.986816	-5.84506	75.00000	P
13	1	Atten Lo	-0.945655	-0.937988	+7.66660	75.00000	P
13	1	Atten Lo	+1.040930	+1.044434	+3.50378	75.00000	P
13	1	Atten Lo	+3.028904	+3.031738	+2.83474	75.00000	P
13	1	Atten Lo	+5.014513	+5.014160	-0.35242	75.00000	P
13	1	Atten Lo	+7.000469	+7.001465	+0.99570	75.00000	P
14	1	Atten Lo	-0.961486	-0.952637	+8.84904	75.00000	P
14	1	Atten Lo	+1.026671	+1.034668	+7.99668	75.00000	P

14	1	Atten Lo	+3.015431	+3.017090	+1.65843	75.00000	P
14	1	Atten Lo	+5.000511	+5.004395	+3.88361	75.00000	P
14	1	Atten Lo	+6.986816	+6.986816	+0.00081	75.00000	P
15	1	Atten Lo	-0.950325	-0.942871	+7.45382	75.00000	P
15	1	Atten Lo	+1.036934	+1.039551	+2.61634	75.00000	P
15	1	Atten Lo	+3.024899	+3.031738	+6.83960	75.00000	P
15	1	Atten Lo	+5.010109	+5.014160	+4.05134	75.00000	P
15	1	Atten Lo	+6.997003	+7.001465	+4.46228	75.00000	P

VENUS PPVI FORCE/MEASURE I Section:

			---------- FORCE I ----------			---------- Measure I ----------					
Pin	IRg	Fi (mA)	DMM (mA)	Err(mA)	FI Lim(mA)	P/F	MI (mA)	Err(mA)	MI Lim(mA)	P/F
0	0	-9.500000	-9.496712	+0.003288	0.105500	P	-9.492638	0.004075	0.073497	P
0	0	-1.000000	-0.983046	+0.016954	0.097000	P	-0.981687	0.001359	0.064983	P
0	0	+10.000000	+9.993887	-0.006113	0.106000	P	9.990843	-0.003044	0.073994	P
0	0	+21.000000	+21.004570	+0.004570	0.117000	P	21.005227	0.000658	0.085005	P
0	0	+29.000000	+29.014729	+0.014729	0.125000	P	29.008902	-0.005827	0.093015	P
1	0	-9.500000	-9.498128	+0.001872	0.105500	P	-9.500203	-0.002075	0.073498	P
1	0	-1.000000	-0.980077	+0.019923	0.097000	P	-0.985114	-0.005038	0.064980	P
1	0	+10.000000	+9.998513	-0.001487	0.106000	P	9.997439	-0.001074	0.073999	P
1	0	+21.000000	+21.006865	+0.006865	0.117000	P	21.004842	-0.002023	0.085007	P
1	0	+29.000000	+29.013306	+0.013306	0.125000	P	29.005131	-0.008175	0.093013	P
2	0	-9.500000	-9.500692	-0.000692	0.105500	P	-9.493749	0.006943	0.073501	P
2	0	-1.000000	-0.987478	+0.012522	0.097000	P	-0.989418	-0.001939	0.064987	P
2	0	+10.000000	+9.992828	-0.007172	0.106000	P	9.995138	0.002310	0.073993	P
2	0	+21.000000	+20.995434	-0.004566	0.117000	P	20.997227	0.001793	0.084995	P
2	0	+29.000000	+29.017519	+0.017519	0.125000	P	29.005623	-0.011896	0.093018	P

3 0 -9.500000 -9.506600 -0.006600 0.105500 P -9.504050 0.002550 0.073507 P
3 0 -1.000000 -0.985130 +0.014870 0.097000 P -0.986981 -0.001851 0.064985 P
3 0 +10.000000 +9.997669 -0.002331 0.106000 P 9.996575 -0.001094 0.073998 P
3 0 +21.000000 +20.998521 -0.001479 0.117000 P 20.999051 0.000531 0.084999 P
3 0 +29.000000 +29.015287 +0.015287 0.125000 P 29.006486 -0.008802 0.093015 P
4 0 -9.500000 -9.495992 +0.004008 0.105500 P -9.484476 0.011515 0.073496 P
4 0 -1.000000 -0.985278 +0.014722 0.097000 P -0.983425 0.001853 0.064985 P
4 0 +10.000000 +9.998241 -0.001759 0.106000 P 9.998533 0.000292 0.073998 P
4 0 +21.000000 +21.003009 +0.003009 0.117000 P 20.999532 -0.003477 0.085003 P
4 0 +29.000000 +29.008232 +0.008232 0.125000 P 29.003708 -0.004524 0.093008 P
5 0 -9.500000 -9.502341 -0.002341 0.105500 P -9.489107 0.013234 0.073502 P
5 0 -1.000000 -0.990371 +0.009629 0.097000 P -0.989753 0.000617 0.064990 P
5 0 +10.000000 +9.988081 -0.011919 0.106000 P 9.989455 0.001373 0.073988 P
5 0 +21.000000 +20.996529 -0.003471 0.117000 P 20.999939 0.003410 0.084997 P
5 0 +29.000000 +29.006575 +0.006575 0.125000 P 29.006202 -0.000374 0.093007 P
6 0 -9.500000 -9.506596 -0.006596 0.105500 P -9.500652 0.005944 0.073507 P
6 0 -1.000000 -0.982933 +0.017067 0.097000 P -0.986878 -0.003945 0.064983 P
6 0 +10.000000 +9.995257 -0.004743 0.106000 P 9.995740 0.000482 0.073995 P
6 0 +21.000000 +21.001346 +0.001346 0.117000 P 21.001251 -0.000095 0.085001 P
6 0 +29.000000 +29.008602 +0.008602 0.125000 P 29.005400 -0.003202 0.093009 P
7 0 -9.500000 -9.495314 +0.004686 0.105500 P -9.493327 0.001987 0.073495 P
7 0 -1.000000 -0.982630 +0.017370 0.097000 P -0.985008 -0.002378 0.064983 P

7 0 +10.000000 +9.991270 -0.008730 0.106000 P 9.995763 0.004493
0.073991 P
7 0 +21.000000 +20.993185 -0.006815 0.117000 P 20.996139 0.002954
0.084993 P
7 0 +29.000000 +29.013158 +0.013158 0.125000 P 29.013763 0.000605
0.093013 P
8 0 -9.500000 -9.499615 +0.000385 0.105500 P -9.496017 0.003598 0.073500
P
8 0 -1.000000 -0.984180 +0.015820 0.097000 P -0.982849 0.001331 0.064984
P
8 0 +10.000000 +9.994501 -0.005499 0.106000 P 9.996869 0.002368
0.073995 P
8 0 +21.000000 +20.995448 -0.004552 0.117000 P 20.996533 0.001085
0.084995 P
8 0 +29.000000 +29.012074 +0.012074 0.125000 P 29.010377 -0.001697
0.093012 P
9 0 -9.500000 -9.507151 -0.007151 0.105500 P -9.497202 0.009948 0.073507
P
9 0 -1.000000 -0.974073 +0.025927 0.097000 P -0.978256 -0.004182
0.064974 P
9 0 +10.000000 +9.997161 -0.002839 0.106000 P 9.999965 0.002805
0.073997 P
9 0 +21.000000 +20.993065 -0.006935 0.117000 P 20.994919 0.001854
0.084993 P
9 0 +29.000000 +29.008694 +0.008694 0.125000 P 29.008777 0.000083
0.093009 P
10 0 -9.500000 -9.495896 +0.004104 0.105500 P -9.492338 0.003558
0.073496 P
10 0 -1.000000 -0.984028 +0.015972 0.097000 P -0.982664 0.001364
0.064984 P
10 0 +10.000000 +9.994388 -0.005612 0.106000 P 9.992838 -0.001550
0.073994 P
10 0 +21.000000 +21.006788 +0.006788 0.117000 P 21.005889 -0.000898
0.085007 P
10 0 +29.000000 +29.011841 +0.011841 0.125000 P 29.009565 -0.002275
0.093012 P
11 0 -9.500000 -9.512490 -0.012490 0.105500 P -9.502001 0.010490 0.073512
P
11 0 -1.000000 -0.981196 +0.018804 0.097000 P -0.983327 -0.002131
0.064981 P
11 0 +10.000000 +9.991005 -0.008995 0.106000 P 9.991517 0.000511
0.073991 P
11 0 +21.000000 +21.007882 +0.007882 0.117000 P 21.008863 0.000981
0.085008 P

11 0 +29.000000 +29.015234 +0.015234 0.125000 P 29.016166 0.000931
0.093015 P
12 0 -9.500000 -9.518102 -0.018102 0.105500 P -9.500028 0.018074
0.073518 P
12 0 -1.000000 -0.985910 +0.014090 0.097000 P -0.989160 -0.003250
0.064986 P
12 0 +10.000000 +9.986524 -0.013476 0.106000 P 9.988150 0.001626
0.073987 P
12 0 +21.000000 +20.990759 -0.009241 0.117000 P 20.997696 0.006937
0.084991 P
12 0 +29.000000 +29.013543 +0.013543 0.125000 P 29.012752 -0.000790
0.093014 P
13 0 -9.500000 -9.514757 -0.014757 0.105500 P -9.497422 0.017335
0.073515 P
13 0 -1.000000 -0.982337 +0.017663 0.097000 P -0.982402 -0.000065
0.064982 P
13 0 +10.000000 +9.992549 -0.007451 0.106000 P 9.998697 0.006148
0.073993 P
13 0 +21.000000 +20.992641 -0.007359 0.117000 P 20.991857 -0.000784
0.084993 P
13 0 +29.000000 +29.017883 +0.017883 0.125000 P 29.002472 -0.015411
0.093018 P
14 0 -9.500000 -9.503902 -0.003902 0.105500 P -9.497796 0.006106
0.073504 P
14 0 -1.000000 -0.977566 +0.022434 0.097000 P -0.982207 -0.004641
0.064978 P
14 0 +10.000000 +9.991973 -0.008027 0.106000 P 9.995240 0.003267
0.073992 P
14 0 +21.000000 +20.998934 -0.001066 0.117000 P 20.999993 0.001059
0.084999 P
14 0 +29.000000 +29.010220 +0.010220 0.125000 P 29.009003 -0.001216
0.093010 P
15 0 -9.500000 -9.494466 +0.005534 0.105500 P -9.499436 -0.004970
0.073494 P
15 0 -1.000000 -0.980596 +0.019404 0.097000 P -0.984858 -0.004262
0.064981 P
15 0 +10.000000 +9.993343 -0.006657 0.106000 P 9.995101 0.001758
0.073993 P
15 0 +21.000000 +20.999188 -0.000812 0.117000 P 20.998504 -0.000685
0.084999 P
15 0 +29.000000 +29.005834 +0.005834 0.125000 P 29.000797 -0.005036
0.093006 P
0 1 -4.000000 -3.999528 +0.000472 0.028000 P -3.998302 0.001226 0.020000
P

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 0  1   -1.000000    -0.998118   +0.001882    0.025000    P    -0.997252    0.000866    0.016998
P
 0  1   +2.000000    +2.001017   +0.001017    0.026000    P     2.000459   -0.000558
0.018001   P
 0  1   +5.000000    +5.000930   +0.000930    0.029000    P     5.001520    0.000590
0.021001   P
 0  1   +7.200000    +7.203862   +0.003862    0.031200    P     7.204192    0.000330
0.023204   P
 1  1   -4.000000    -3.999143   +0.000857    0.028000    P    -3.999182   -0.000039
0.019999   P
 1  1   -1.000000    -0.995265   +0.004735    0.025000    P    -0.995994   -0.000729
0.016995   P
 1  1   +2.000000    +1.998129   -0.001871    0.026000    P     1.997097   -0.001031
0.017998   P
 1  1   +5.000000    +5.001682   +0.001682    0.029000    P     5.000551   -0.001131
0.021002   P
 1  1   +7.200000    +7.202753   +0.002753    0.031200    P     7.203580    0.000827
0.023203   P
 2  1   -4.000000    -3.998836   +0.001164    0.028000    P    -3.998821    0.000015    0.019999
P
 2  1   -1.000000    -0.997331   +0.002669    0.025000    P    -0.996360    0.000971    0.016997
P
 2  1   +2.000000    +1.997172   -0.002828    0.026000    P     1.997502    0.000330
0.017997   P
 2  1   +5.000000    +5.000192   +0.000192    0.029000    P     5.000390    0.000198
0.021000   P
 2  1   +7.200000    +7.201764   +0.001764    0.031200    P     7.202142    0.000378
0.023202   P
 3  1   -4.000000    -4.000595   -0.000595    0.028000    P    -4.000417    0.000178    0.020001
P
 3  1   -1.000000    -0.997903   +0.002097    0.025000    P    -0.998002   -0.000099
0.016998   P
 3  1   +2.000000    +1.997846   -0.002154    0.026000    P     1.997229   -0.000617
0.017998   P
 3  1   +5.000000    +4.999577   -0.000423    0.029000    P     5.000854    0.001277
0.021000   P
 3  1   +7.200000    +7.206107   +0.006107    0.031200    P     7.205746   -0.000361
0.023206   P
 4  1   -4.000000    -3.999168   +0.000832    0.028000    P    -4.000552   -0.001385
0.019999   P
 4  1   -1.000000    -0.995834   +0.004166    0.025000    P    -0.996659   -0.000825
0.016996   P
 4  1   +2.000000    +1.999029   -0.000971    0.026000    P     1.999567    0.000537
0.017999   P
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4 1 +5.000000 +5.002812 +0.002812 0.029000 P 5.002660 -0.000152
0.021003 P
4 1 +7.200000 +7.199634 -0.000366 0.031200 P 7.200695 0.001061
0.023200 P
5 1 -4.000000 -3.999595 +0.000405 0.028000 P -3.998597 0.000998 0.020000
P
5 1 -1.000000 -0.996946 +0.003054 0.025000 P -0.996843 0.000103 0.016997
P
5 1 +2.000000 +2.001081 +0.001081 0.026000 P 2.001175 0.000094
0.018001 P
5 1 +5.000000 +5.000721 +0.000721 0.029000 P 5.001458 0.000737
0.021001 P
5 1 +7.200000 +7.200659 +0.000659 0.031200 P 7.203032 0.002374
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6 1 -4.000000 -3.997565 +0.002435 0.028000 P -3.998353 -0.000789
0.019998 P
6 1 -1.000000 -0.997034 +0.002966 0.025000 P -0.997350 -0.000315
0.016997 P
6 1 +2.000000 +1.999252 -0.000748 0.026000 P 1.999310 0.000059
0.017999 P
6 1 +5.000000 +5.000128 +0.000128 0.029000 P 5.001018 0.000890
0.021000 P
6 1 +7.200000 +7.205066 +0.005066 0.031200 P 7.205749 0.000683
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7 1 -4.000000 -3.997978 +0.002022 0.028000 P -3.998876 -0.000899
0.019998 P
7 1 -1.000000 -0.998521 +0.001479 0.025000 P -0.997475 0.001046 0.016999
P
7 1 +2.000000 +1.998305 -0.001695 0.026000 P 1.999219 0.000913
0.017998 P
7 1 +5.000000 +4.999210 -0.000790 0.029000 P 4.999701 0.000491
0.020999 P
7 1 +7.200000 +7.200330 +0.000330 0.031200 P 7.200425 0.000094
0.023200 P
8 1 -4.000000 -4.000891 -0.000891 0.028000 P -4.000144 0.000747 0.020001
P
8 1 -1.000000 -0.995844 +0.004156 0.025000 P -0.995163 0.000681 0.016996
P
8 1 +2.000000 +1.999297 -0.000703 0.026000 P 2.000008 0.000710
0.017999 P
8 1 +5.000000 +5.001142 +0.001142 0.029000 P 5.001311 0.000170
0.021001 P
8 1 +7.200000 +7.201382 +0.001382 0.031200 P 7.203942 0.002559
0.023201 P

9 1 -4.000000 -3.999330 +0.000670 0.028000 P -3.999551 -0.000220
0.019999 P
9 1 -1.000000 -0.997769 +0.002231 0.025000 P -0.996515 0.001254 0.016998
P
9 1 +2.000000 +1.998845 -0.001155 0.026000 P 2.000365 0.001519
0.017999 P
9 1 +5.000000 +5.000524 +0.000524 0.029000 P 5.001391 0.000867
0.021001 P
9 1 +7.200000 +7.202322 +0.002322 0.031200 P 7.201365 -0.000956
0.023202 P
10 1 -4.000000 -3.999885 +0.000115 0.028000 P -4.000791 -0.000906
0.020000 P
10 1 -1.000000 -0.996045 +0.003955 0.025000 P -0.994950 0.001095
0.016996 P
10 1 +2.000000 +1.999852 -0.000148 0.026000 P 2.000702 0.000850
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11 6 +0.007000 +0.007004 +0.000004 0.000031 P 0.007006 0.000001
0.000027 P
12 6 -0.007000 -0.007002 -0.000002 0.000031 P -0.007000 0.000002
0.000027 P
12 6 -0.004000 -0.003998 +0.000002 0.000028 P -0.003998 -0.000000
0.000024 P
12 6 +0.000000 +0.000002 +0.000002 0.000024 P 0.000004 0.000001
0.000020 P

12 6 +0.004000 +0.004002 +0.000002 0.000028 P 0.004002 0.000001 0.000024 P
12 6 +0.007000 +0.007004 +0.000004 0.000031 P 0.007005 0.000001 0.000027 P
13 6 -0.007000 -0.006998 +0.000002 0.000031 P -0.006997 0.000001 0.000027 P
13 6 -0.004000 -0.003997 +0.000003 0.000028 P -0.003996 0.000001 0.000024 P
13 6 +0.000000 +0.000001 +0.000001 0.000024 P 0.000002 0.000001 0.000020 P
13 6 +0.004000 +0.004000 +0.000000 0.000028 P 0.004001 0.000001 0.000024 P
13 6 +0.007000 +0.007004 +0.000004 0.000031 P 0.007004 0.000000 0.000027 P
14 6 -0.007000 -0.006999 +0.000001 0.000031 P -0.007000 -0.000001 0.000027 P
14 6 -0.004000 -0.003998 +0.000002 0.000028 P -0.003999 -0.000000 0.000024 P
14 6 +0.000000 +0.000002 +0.000002 0.000024 P 0.000003 0.000001 0.000020 P
14 6 +0.004000 +0.003999 -0.000001 0.000028 P 0.003999 0.000000 0.000024 P
14 6 +0.007000 +0.007004 +0.000004 0.000031 P 0.007003 -0.000001 0.000027 P
15 6 -0.007000 -0.006999 +0.000001 0.000031 P -0.006999 -0.000000 0.000027 P
15 6 -0.004000 -0.003999 +0.000001 0.000028 P -0.003999 0.000000 0.000024 P
15 6 +0.000000 +0.000002 +0.000002 0.000024 P 0.000004 0.000002 0.000020 P
15 6 +0.004000 +0.004001 +0.000001 0.000028 P 0.004002 0.000001 0.000024 P
15 6 +0.007000 +0.007004 +0.000004 0.000031 P 0.007003 -0.000001 0.000027 P

VENUS PPVI Common Mode Section:

Pin	IRng	Force (V)	Exp (uA)	ADC (uA)	Error(uA)	Limit(uA)	P/F
0	0	+5.000000	+3.195078	-0.007809	-3.20289	40.00000	P
1	0	+5.000000	+0.780660	-1.074400	-1.85506	40.00000	P
2	0	+5.000000	+1.164270	+0.972776	-0.19149	40.00000	P
3	0	+5.000000	+0.597002	-0.014187	-0.61119	40.00000	P
4	0	+5.000000	+3.733697	+1.327963	-2.40573	40.00000	P
5	0	+5.000000	+1.523642	+4.177194	+2.65355	40.00000	P

6	0	+5.000000	+0.006406	+2.938032	+2.93163	40.00000	P
7	0	+5.000000	+4.656418	+3.580528	-1.07589	40.00000	P
8	0	+5.000000	+1.024302	+1.480483	+0.45618	40.00000	P
9	0	+5.000000	+1.455284	+2.004360	+0.54908	40.00000	P
10	0	+5.000000	+1.346496	+2.016754	+0.67026	40.00000	P
11	0	+5.000000	+0.064087	-0.679785	-0.74387	40.00000	P
12	0	+5.000000	+2.301861	+2.041192	-0.26067	40.00000	P
13	0	+5.000000	-1.020118	+0.910962	+1.93108	40.00000	P
14	0	+5.000000	-0.414309	-0.305472	+0.10884	40.00000	P
15	0	+5.000000	+1.376767	+2.872211	+1.49544	40.00000	P
0	1	+5.000000	+0.764444	-0.191636	-0.95608	10.00000	P
1	1	+5.000000	+0.350690	+0.180709	-0.16998	10.00000	P
2	1	+5.000000	-0.164243	-0.244045	-0.07980	10.00000	P
3	1	+5.000000	+0.269432	+0.030359	-0.23907	10.00000	P
4	1	+5.000000	+0.731776	+0.151101	-0.58068	10.00000	P
5	1	+5.000000	+0.028334	+0.574246	+0.54591	10.00000	P
6	1	+5.000000	+0.450701	+0.980275	+0.52957	10.00000	P
7	1	+5.000000	+1.395620	+1.128029	-0.26759	10.00000	P
8	1	+5.000000	+0.325240	+0.373940	+0.04870	10.00000	P
9	1	+5.000000	+0.682694	+0.512000	-0.17069	10.00000	P
10	1	+5.000000	+0.664919	+0.582724	-0.08219	10.00000	P
11	1	+5.000000	+0.103126	-0.170992	-0.27412	10.00000	P
12	1	+5.000000	+0.513249	+0.638210	+0.12496	10.00000	P
13	1	+5.000000	-0.065037	+0.687620	+0.75266	10.00000	P
14	1	+5.000000	+0.168338	+0.318521	+0.15018	10.00000	P
15	1	+5.000000	+0.567304	+0.693927	+0.12662	10.00000	P
0	2	+5.000000	+0.216888	-0.001981	-0.21887	2.50000	P
1	2	+5.000000	+0.068280	+0.069764	+0.00148	2.50000	P
2	2	+5.000000	+0.044443	+0.129285	+0.08484	2.50000	P
3	2	+5.000000	+0.016666	-0.018888	-0.03555	2.50000	P
4	2	+5.000000	+0.206338	+0.064316	-0.14202	2.50000	P
5	2	+5.000000	+0.052131	+0.128034	+0.07590	2.50000	P
6	2	+5.000000	-0.048870	+0.097236	+0.14611	2.50000	P
7	2	+5.000000	+0.263229	+0.197301	-0.06593	2.50000	P
8	2	+5.000000	+0.050530	+0.043261	-0.00727	2.50000	P
9	2	+5.000000	+0.131821	+0.173352	+0.04153	2.50000	P
10	2	+5.000000	+0.072995	+0.097985	+0.02499	2.50000	P
11	2	+5.000000	-0.011818	-0.041398	-0.02958	2.50000	P
12	2	+5.000000	+0.082644	+0.095545	+0.01290	2.50000	P
13	2	+5.000000	-0.126352	+0.062338	+0.18869	2.50000	P
14	2	+5.000000	-0.047865	-0.013755	+0.03411	2.50000	P
15	2	+5.000000	+0.013750	+0.040001	+0.02625	2.50000	P
0	3	+5.000000	+0.020711	-0.036461	-0.05717	0.62500	P
1	3	+5.000000	+0.032571	-0.002492	-0.03506	0.62500	P

2	3	+5.000000	-0.003920	+0.011963	+0.01588	0.62500	P
3	3	+5.000000	+0.025134	+0.014850	-0.01028	0.62500	P
4	3	+5.000000	+0.037935	+0.018567	-0.01937	0.62500	P
5	3	+5.000000	+0.011201	+0.033669	+0.02247	0.62500	P
6	3	+5.000000	+0.007620	+0.024656	+0.01704	0.62500	P
7	3	+5.000000	+0.081305	+0.056099	-0.02521	0.62500	P
8	3	+5.000000	+0.019572	+0.012742	-0.00683	0.62500	P
9	3	+5.000000	+0.035011	+0.033381	-0.00163	0.62500	P
10	3	+5.000000	+0.008953	+0.020034	+0.01108	0.62500	P
11	3	+5.000000	-0.012047	-0.024618	-0.01257	0.62500	P
12	3	+5.000000	+0.044972	+0.056802	+0.01183	0.62500	P
13	3	+5.000000	-0.032143	+0.029904	+0.06205	0.62500	P
14	3	+5.000000	+0.004980	-0.000748	-0.00573	0.62500	P
15	3	+5.000000	-0.013521	+0.000916	+0.01444	0.62500	P
0	4	+5.000000	+0.015181	+0.003374	-0.01181	0.16000	P
1	4	+5.000000	+0.014951	+0.010467	-0.00448	0.16000	P
2	4	+5.000000	+0.003056	+0.001897	-0.00116	0.16000	P
3	4	+5.000000	-0.002276	-0.001670	+0.00061	0.16000	P
4	4	+5.000000	+0.019079	+0.010197	-0.00888	0.16000	P
5	4	+5.000000	+0.001358	+0.008702	+0.00734	0.16000	P
6	4	+5.000000	+0.004886	-0.008321	-0.01321	0.16000	P
7	4	+5.000000	+0.016273	+0.011244	-0.00503	0.16000	P
8	4	+5.000000	+0.001801	+0.001369	-0.00043	0.16000	P
9	4	+5.000000	+0.008901	+0.007237	-0.00166	0.16000	P
10	4	+5.000000	+0.005972	+0.008237	+0.00227	0.16000	P
11	4	+5.000000	-0.004805	-0.005238	-0.00043	0.16000	P
12	4	+5.000000	+0.005754	+0.011260	+0.00551	0.16000	P
13	4	+5.000000	+0.000869	+0.014125	+0.01326	0.16000	P
14	4	+5.000000	+0.006587	+0.008527	+0.00194	0.16000	P
15	4	+5.000000	+0.001518	+0.009735	+0.00822	0.16000	P
0	5	+5.000000	+0.003085	-0.001064	-0.00415	0.04000	P
1	5	+5.000000	+0.001595	+0.000456	-0.00114	0.04000	P
2	5	+5.000000	-0.000725	-0.000412	+0.00031	0.04000	P
3	5	+5.000000	+0.001544	+0.000778	-0.00077	0.04000	P
4	5	+5.000000	+0.004043	+0.000479	-0.00356	0.04000	P
5	5	+5.000000	+0.003663	+0.005905	+0.00224	0.04000	P
6	5	+5.000000	+0.007640	-0.014735	-0.02237	0.04000	P
7	5	+5.000000	+0.005232	+0.004632	-0.00060	0.04000	P
8	5	+5.000000	+0.001739	+0.001290	-0.00045	0.04000	P
9	5	+5.000000	+0.000158	+0.000945	+0.00079	0.04000	P
10	5	+5.000000	+0.001803	+0.002372	+0.00057	0.04000	P
11	5	+5.000000	+0.001554	+0.000852	-0.00070	0.04000	P
12	5	+5.000000	+0.002701	+0.004441	+0.00174	0.04000	P
13	5	+5.000000	-0.001298	+0.002322	+0.00362	0.04000	P

14	5	+5.000000	-0.001293	-0.000036	+0.00126	0.04000 P
15	5	+5.000000	+0.001598	+0.002235	+0.00064	0.04000 P
0	6	+5.000000	+0.000917	+0.000216	-0.00070	0.01000 P
1	6	+5.000000	+0.000794	+0.000498	-0.00030	0.01000 P
2	6	+5.000000	+0.001075	+0.000746	-0.00033	0.01000 P
3	6	+5.000000	-0.000161	-0.000188	-0.00003	0.01000 P
4	6	+5.000000	+0.001035	+0.000301	-0.00073	0.01000 P
5	6	+5.000000	+0.000589	+0.000640	+0.00005	0.01000 P
6	6	+5.000000	+0.004409	-0.018466	-0.02287	0.01000 F
7	6	+5.000000	+0.001046	+0.000689	-0.00036	0.01000 P
8	6	+5.000000	+0.000785	+0.000509	-0.00028	0.01000 P
9	6	+5.000000	+0.001692	+0.001028	-0.00066	0.01000 P
10	6	+5.000000	+0.000011	+0.000563	+0.00055	0.01000 P
11	6	+5.000000	+0.001168	+0.000420	-0.00075	0.01000 P
12	6	+5.000000	+0.000850	+0.001189	+0.00034	0.01000 P
13	6	+5.000000	+0.001300	+0.001682	+0.00038	0.01000 P
14	6	+5.000000	+0.000595	+0.000314	-0.00028	0.01000 P
15	6	+5.000000	-0.000678	+0.000288	+0.00097	0.01000 P

TG Fine Delay Bit Section:

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
0	0	fd0	+24.00	+38.47	+14.47	200.00	P
0	0	fd1	+106.00	+88.13	-17.87	200.00	P
0	0	fd2	+188.00	+213.61	+25.61	200.00	P
0	0	fd3	+361.00	+389.76	+28.76	200.00	P
0	0	fd4	+618.00	+693.75	+75.75	300.00	P
0	0	fd5	+1331.00	+1383.05	+52.05	300.00	P
0	0	fd6	+2740.00	+2750.58	+10.58	300.00	P
0	0	fd7	+5090.00	+5135.69	+45.69	300.00	P
0	0	fd8	+9927.00	+9949.55	+22.55	500.00	P
0	1	fd0	+2.00	+25.91	+23.91	200.00	P
0	1	fd1	+100.00	+88.00	-12.00	200.00	P
0	1	fd2	+223.00	+202.78	-20.22	200.00	P
0	1	fd3	+371.00	+366.44	-4.56	200.00	P
0	1	fd4	+714.00	+668.19	-45.81	300.00	P
0	1	fd5	+1371.00	+1386.53	+15.53	300.00	P
0	1	fd6	+2848.00	+2903.21	+55.21	300.00	P
0	1	fd7	+5162.00	+5206.07	+44.07	300.00	P
0	1	fd8	+10053.00	+10129.29	+76.29	500.00	P
0	2	fd0	+8.00	+0.00	-8.00	200.00	P
0	2	fd1	+106.00	+67.32	-38.68	200.00	P

0	2	fd2	+207.00	+182.71	-24.29	200.00	P
0	2	fd3	+383.00	+343.36	-39.64	200.00	P
0	2	fd4	+641.00	+620.30	-20.70	300.00	P
0	2	fd5	+1348.00	+1338.78	-9.22	300.00	P
0	2	fd6	+2775.00	+2696.30	-78.70	300.00	P
0	2	fd7	+5053.00	+5070.85	+17.85	300.00	P
0	2	fd8	+9881.00	+9889.50	+8.50	500.00	P
0	3	fd0	+11.00	+0.00	-11.00	200.00	P
0	3	fd1	+93.00	+124.39	+31.39	200.00	P
0	3	fd2	+215.00	+197.75	-17.25	200.00	P
0	3	fd3	+398.00	+322.64	-75.36	200.00	P
0	3	fd4	+656.00	+677.19	+21.19	300.00	P
0	3	fd5	+1407.00	+1411.25	+4.25	300.00	P
0	3	fd6	+2839.00	+2809.39	-29.61	300.00	P
0	3	fd7	+5165.00	+5116.42	-48.58	300.00	P
0	3	fd8	+10120.00	+10136.94	+16.94	500.00	P
0	4	fd0	+21.00	+2.30	-18.70	200.00	P
0	4	fd1	+100.00	+137.77	+37.77	200.00	P
0	4	fd2	+229.00	+209.36	-19.64	200.00	P
0	4	fd3	+370.00	+398.73	+28.73	200.00	P
0	4	fd4	+653.00	+696.79	+43.79	300.00	P
0	4	fd5	+1356.00	+1361.59	+5.59	300.00	P
0	4	fd6	+2790.00	+2788.84	-1.16	300.00	P
0	4	fd7	+5094.00	+5092.08	-1.92	300.00	P
0	4	fd8	+9925.00	+9925.92	+0.92	500.00	P
0	5	fd0	+10.00	+42.24	+32.24	200.00	P
0	5	fd1	+106.00	+68.61	-37.39	200.00	P
0	5	fd2	+227.00	+230.69	+3.69	200.00	P
0	5	fd3	+389.00	+367.31	-21.69	200.00	P
0	5	fd4	+682.00	+640.53	-41.47	300.00	P
0	5	fd5	+1449.00	+1435.64	-13.36	300.00	P
0	5	fd6	+2875.00	+2817.05	-57.95	300.00	P
0	5	fd7	+5211.00	+5164.18	-46.82	300.00	P
0	5	fd8	+10125.00	+10107.28	-17.72	500.00	P
0	6	fd0	+7.00	+46.82	+39.82	200.00	P
0	6	fd1	+85.00	+80.37	-4.63	200.00	P
0	6	fd2	+216.00	+250.39	+34.39	200.00	P
0	6	fd3	+365.00	+410.95	+45.95	200.00	P
0	6	fd4	+650.00	+671.97	+21.97	300.00	P
0	6	fd5	+1411.00	+1366.24	-44.76	300.00	P

0	6	fd6	+2753.00	+2769.35	+16.35	300.00	P
0	6	fd7	+5076.00	+5054.50	-21.50	300.00	P
0	6	fd8	+9936.00	+9905.27	-30.73	500.00	P
0	7	fd0	+13.00	+38.02	+25.02	200.00	P
0	7	fd1	+101.00	+123.91	+22.91	200.00	P
0	7	fd2	+199.00	+196.99	-2.01	200.00	P
0	7	fd3	+362.00	+418.25	+56.25	200.00	P
0	7	fd4	+657.00	+707.27	+50.27	300.00	P
0	7	fd5	+1416.00	+1377.85	-38.15	300.00	P
0	7	fd6	+2824.00	+2887.13	+63.13	300.00	P
0	7	fd7	+5173.00	+5212.40	+39.40	300.00	P
0	7	fd8	+10086.00	+10110.16	+24.16	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
1	0	fd0	+18.00	+0.00	-18.00	200.00	P
1	0	fd1	+95.00	+104.28	+9.28	200.00	P
1	0	fd2	+220.00	+222.65	+2.65	200.00	P
1	0	fd3	+384.00	+361.55	-22.45	200.00	P
1	0	fd4	+665.00	+656.53	-8.47	300.00	P
1	0	fd5	+1401.00	+1354.49	-46.51	300.00	P
1	0	fd6	+2813.00	+2798.48	-14.52	300.00	P
1	0	fd7	+5094.00	+5128.17	+34.17	300.00	P
1	0	fd8	+10039.00	+9975.65	-63.35	500.00	P
1	1	fd0	+7.00	+20.04	+13.04	200.00	P
1	1	fd1	+100.00	+54.42	-45.58	200.00	P
1	1	fd2	+194.00	+203.33	+9.33	200.00	P
1	1	fd3	+360.00	+362.62	+2.62	200.00	P
1	1	fd4	+682.00	+643.13	-38.87	300.00	P
1	1	fd5	+1369.00	+1324.12	-44.88	300.00	P
1	1	fd6	+2791.00	+2761.94	-29.06	300.00	P
1	1	fd7	+5130.00	+5168.12	+38.12	300.00	P
1	1	fd8	+10011.00	+9973.22	-37.78	500.00	P
1	2	fd0	+17.00	+0.00	-17.00	200.00	P
1	2	fd1	+103.00	+104.75	+1.75	200.00	P
1	2	fd2	+220.00	+211.57	-8.43	200.00	P
1	2	fd3	+372.00	+342.52	-29.48	200.00	P
1	2	fd4	+654.00	+650.87	-3.13	300.00	P
1	2	fd5	+1373.00	+1368.91	-4.09	300.00	P
1	2	fd6	+2793.00	+2831.64	+38.64	300.00	P
1	2	fd7	+5082.00	+5075.73	-6.27	300.00	P

1	2	fd8	+9971.00	+9982.40	+11.40	500.00	P
1	3	fd0	+12.00	+0.00	-12.00	200.00	P
1	3	fd1	+93.00	+78.06	-14.94	200.00	P
1	3	fd2	+199.00	+225.37	+26.37	200.00	P
1	3	fd3	+362.00	+372.27	+10.27	200.00	P
1	3	fd4	+657.00	+680.12	+23.12	300.00	P
1	3	fd5	+1368.00	+1387.46	+19.46	300.00	P
1	3	fd6	+2785.00	+2776.32	-8.68	300.00	P
1	3	fd7	+5132.00	+5130.77	-1.23	300.00	P
1	3	fd8	+10036.00	+10011.22	-24.78	500.00	P
1	4	fd0	+19.00	+7.11	-11.89	200.00	P
1	4	fd1	+110.00	+167.17	+57.17	200.00	P
1	4	fd2	+209.00	+251.64	+42.64	200.00	P
1	4	fd3	+384.00	+366.80	-17.20	200.00	P
1	4	fd4	+620.00	+657.10	+37.10	300.00	P
1	4	fd5	+1340.00	+1373.93	+33.93	300.00	P
1	4	fd6	+2827.00	+2802.49	-24.51	300.00	P
1	4	fd7	+5110.00	+5105.91	-4.09	300.00	P
1	4	fd8	+9973.00	+10017.95	+44.95	500.00	P
1	5	fd0	+9.00	+25.30	+16.30	200.00	P
1	5	fd1	+101.00	+102.77	+1.77	200.00	P
1	5	fd2	+217.00	+170.05	-46.95	200.00	P
1	5	fd3	+364.00	+371.98	+7.98	200.00	P
1	5	fd4	+684.00	+692.55	+8.55	300.00	P
1	5	fd5	+1399.00	+1328.10	-70.90	300.00	P
1	5	fd6	+2812.00	+2820.32	+8.32	300.00	P
1	5	fd7	+5201.00	+5179.61	-21.39	300.00	P
1	5	fd8	+10111.00	+10074.01	-36.99	500.00	P
1	6	fd0	+2.00	+25.08	+23.08	200.00	P
1	6	fd1	+112.00	+129.03	+17.03	200.00	P
1	6	fd2	+210.00	+205.25	-4.75	200.00	P
1	6	fd3	+360.00	+382.57	+22.57	200.00	P
1	6	fd4	+665.00	+697.91	+32.91	300.00	P
1	6	fd5	+1395.00	+1346.01	-48.99	300.00	P
1	6	fd6	+2810.00	+2755.13	-54.87	300.00	P
1	6	fd7	+5079.00	+5057.00	-22.00	300.00	P
1	6	fd8	+9954.00	+9944.25	-9.75	500.00	P
1	7	fd0	+13.00	+18.02	+5.02	200.00	P
1	7	fd1	+110.00	+138.41	+28.41	200.00	P

1	7	fd2	+205.00	+194.90	-10.10	200.00	P
1	7	fd3	+341.00	+339.66	-1.34	200.00	P
1	7	fd4	+696.00	+681.29	-14.71	300.00	P
1	7	fd5	+1370.00	+1354.68	-15.32	300.00	P
1	7	fd6	+2788.00	+2796.08	+8.08	300.00	P
1	7	fd7	+5089.00	+5076.11	-12.89	300.00	P
1	7	fd8	+9996.00	+9930.95	-65.05	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
2	0	fd0	+11.00	+5.26	-5.74	200.00	P
2	0	fd1	+97.00	+102.94	+5.94	200.00	P
2	0	fd2	+198.00	+209.81	+11.81	200.00	P
2	0	fd3	+346.00	+359.33	+13.33	200.00	P
2	0	fd4	+646.00	+666.79	+20.79	300.00	P
2	0	fd5	+1335.00	+1346.73	+11.73	300.00	P
2	0	fd6	+2698.00	+2695.52	-2.48	300.00	P
2	0	fd7	+4998.00	+5003.27	+5.27	300.00	P
2	0	fd8	+9860.00	+9854.13	-5.87	500.00	P
2	1	fd0	+6.00	+0.00	-6.00	200.00	P
2	1	fd1	+104.00	+94.66	-9.34	200.00	P
2	1	fd2	+207.00	+199.57	-7.43	200.00	P
2	1	fd3	+354.00	+334.98	-19.02	200.00	P
2	1	fd4	+655.00	+639.60	-15.40	300.00	P
2	1	fd5	+1350.00	+1337.79	-12.21	300.00	P
2	1	fd6	+2773.00	+2755.03	-17.97	300.00	P
2	1	fd7	+5116.00	+5112.99	-3.01	300.00	P
2	1	fd8	+10012.00	+9970.69	-41.31	500.00	P
2	2	fd0	+12.00	+12.32	+0.32	200.00	P
2	2	fd1	+109.00	+109.44	+0.44	200.00	P
2	2	fd2	+197.00	+209.92	+12.92	200.00	P
2	2	fd3	+366.00	+378.25	+12.25	200.00	P
2	2	fd4	+628.00	+641.25	+13.25	300.00	P
2	2	fd5	+1334.00	+1317.61	-16.39	300.00	P
2	2	fd6	+2696.00	+2692.56	-3.44	300.00	P
2	2	fd7	+5014.00	+4994.66	-19.34	300.00	P
2	2	fd8	+9840.00	+9825.82	-14.18	500.00	P
2	3	fd0	+11.00	+9.53	-1.47	200.00	P
2	3	fd1	+101.00	+99.55	-1.45	200.00	P
2	3	fd2	+211.00	+195.14	-15.86	200.00	P
2	3	fd3	+365.00	+345.94	-19.06	200.00	P

2	3	fd4	+656.00	+648.92	-7.08	300.00	P
2	3	fd5	+1360.00	+1348.03	-11.97	300.00	P
2	3	fd6	+2784.00	+2762.45	-21.55	300.00	P
2	3	fd7	+5130.00	+5105.71	-24.29	300.00	P
2	3	fd8	+10000.00	+9963.98	-36.02	500.00	P
2	4	fd0	+11.00	+5.10	-5.90	200.00	P
2	4	fd1	+101.00	+100.70	-0.30	200.00	P
2	4	fd2	+200.00	+200.85	+0.85	200.00	P
2	4	fd3	+355.00	+347.86	-7.14	200.00	P
2	4	fd4	+645.00	+646.36	+1.36	300.00	P
2	4	fd5	+1330.00	+1323.06	-6.94	300.00	P
2	4	fd6	+2711.00	+2689.49	-21.51	300.00	P
2	4	fd7	+4975.00	+4940.33	-34.67	300.00	P
2	4	fd8	+9858.00	+9855.02	-2.98	500.00	P
2	5	fd0	+9.00	+12.24	+3.24	200.00	P
2	5	fd1	+105.00	+103.68	-1.32	200.00	P
2	5	fd2	+218.00	+212.33	-5.67	200.00	P
2	5	fd3	+373.00	+359.85	-13.15	200.00	P
2	5	fd4	+677.00	+648.74	-28.26	300.00	P
2	5	fd5	+1371.00	+1335.10	-35.90	300.00	P
2	5	fd6	+2796.00	+2765.51	-30.49	300.00	P
2	5	fd7	+5156.00	+5076.68	-79.32	300.00	P
2	5	fd8	+9996.00	+9968.21	-27.79	500.00	P
2	6	fd0	+7.00	+11.35	+4.35	200.00	P
2	6	fd1	+102.00	+105.04	+3.04	200.00	P
2	6	fd2	+196.00	+199.08	+3.08	200.00	P
2	6	fd3	+338.00	+344.86	+6.86	200.00	P
2	6	fd4	+644.00	+655.78	+11.78	300.00	P
2	6	fd5	+1344.00	+1344.35	+0.35	300.00	P
2	6	fd6	+2687.00	+2663.36	-23.64	300.00	P
2	6	fd7	+4948.00	+4945.43	-2.57	300.00	P
2	6	fd8	+9730.00	+9733.88	+3.88	500.00	P
2	7	fd0	+10.00	+2.56	-7.44	200.00	P
2	7	fd1	+112.00	+98.22	-13.78	200.00	P
2	7	fd2	+212.00	+197.57	-14.43	200.00	P
2	7	fd3	+361.00	+346.62	-14.38	200.00	P
2	7	fd4	+664.00	+645.45	-18.55	300.00	P
2	7	fd5	+1375.00	+1350.77	-24.23	300.00	P
2	7	fd6	+2797.00	+2787.19	-9.81	300.00	P
2	7	fd7	+5090.00	+5070.90	-19.10	300.00	P

2	7	fd8	+9894.00	+9902.59	+8.59	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
3	0	fd0	+5.00	+8.88	+3.88	200.00	P
3	0	fd1	+99.00	+87.21	-11.79	200.00	P
3	0	fd2	+204.00	+187.24	-16.76	200.00	P
3	0	fd3	+337.00	+346.50	+9.50	200.00	P
3	0	fd4	+638.00	+656.38	+18.38	300.00	P
3	0	fd5	+1297.00	+1297.57	+0.57	300.00	P
3	0	fd6	+2611.00	+2618.10	+7.10	300.00	P
3	0	fd7	+4821.00	+4820.94	-0.06	300.00	P
3	0	fd8	+9570.00	+9563.74	-6.26	500.00	P
3	1	fd0	+14.00	+16.79	+2.79	200.00	P
3	1	fd1	+108.00	+85.93	-22.07	200.00	P
3	1	fd2	+205.00	+184.08	-20.92	200.00	P
3	1	fd3	+357.00	+344.93	-12.07	200.00	P
3	1	fd4	+651.00	+626.19	-24.81	300.00	P
3	1	fd5	+1342.00	+1276.61	-65.39	300.00	P
3	1	fd6	+2753.00	+2702.27	-50.73	300.00	P
3	1	fd7	+4939.00	+4956.73	+17.73	300.00	P
3	1	fd8	+9751.00	+9697.08	-53.92	500.00	P
3	2	fd0	+3.00	+9.16	+6.16	200.00	P
3	2	fd1	+115.00	+92.80	-22.20	200.00	P
3	2	fd2	+191.00	+190.46	-0.54	200.00	P
3	2	fd3	+334.00	+346.51	+12.51	200.00	P
3	2	fd4	+638.00	+656.91	+18.91	300.00	P
3	2	fd5	+1357.00	+1352.63	-4.37	300.00	P
3	2	fd6	+2708.00	+2723.68	+15.68	300.00	P
3	2	fd7	+5073.00	+5050.25	-22.75	300.00	P
3	2	fd8	+9934.00	+9924.54	-9.46	500.00	P
3	3	fd0	+18.00	+22.55	+4.55	200.00	P
3	3	fd1	+100.00	+136.42	+36.42	200.00	P
3	3	fd2	+211.00	+214.44	+3.44	200.00	P
3	3	fd3	+360.00	+373.15	+13.15	200.00	P
3	3	fd4	+652.00	+656.97	+4.97	300.00	P
3	3	fd5	+1370.00	+1369.69	-0.31	300.00	P
3	3	fd6	+2830.00	+2790.22	-39.78	300.00	P
3	3	fd7	+5133.00	+5147.90	+14.90	300.00	P
3	3	fd8	+10013.00	+9998.79	-14.21	500.00	P

3	4	fd0	+14.00	+18.15	+4.15	200.00	P
3	4	fd1	+113.00	+119.77	+6.77	200.00	P
3	4	fd2	+212.00	+208.16	-3.84	200.00	P
3	4	fd3	+350.00	+359.09	+9.09	200.00	P
3	4	fd4	+641.00	+687.47	+46.47	300.00	P
3	4	fd5	+1335.00	+1355.85	+20.85	300.00	P
3	4	fd6	+2720.00	+2737.41	+17.41	300.00	P
3	4	fd7	+5003.00	+5018.72	+15.72	300.00	P
3	4	fd8	+9888.00	+9939.51	+51.51	500.00	P
3	5	fd0	+8.00	+16.28	+8.28	200.00	P
3	5	fd1	+114.00	+105.05	-8.95	200.00	P
3	5	fd2	+210.00	+180.21	-29.79	200.00	P
3	5	fd3	+367.00	+361.92	-5.08	200.00	P
3	5	fd4	+655.00	+658.72	+3.72	300.00	P
3	5	fd5	+1385.00	+1353.41	-31.59	300.00	P
3	5	fd6	+2811.00	+2768.68	-42.32	300.00	P
3	5	fd7	+5147.00	+5153.67	+6.67	300.00	P
3	5	fd8	+9973.00	+9933.62	-39.38	500.00	P
3	6	fd0	+24.00	+5.23	-18.77	200.00	P
3	6	fd1	+104.00	+81.55	-22.45	200.00	P
3	6	fd2	+192.00	+198.45	+6.45	200.00	P
3	6	fd3	+339.00	+351.26	+12.26	200.00	P
3	6	fd4	+639.00	+623.75	-15.25	300.00	P
3	6	fd5	+1301.00	+1307.36	+6.36	300.00	P
3	6	fd6	+2667.00	+2714.13	+47.13	300.00	P
3	6	fd7	+4917.00	+4930.44	+13.44	300.00	P
3	6	fd8	+9735.00	+9701.56	-33.44	500.00	P
3	7	fd0	+3.00	+14.06	+11.06	200.00	P
3	7	fd1	+108.00	+111.14	+3.14	200.00	P
3	7	fd2	+209.00	+207.25	-1.75	200.00	P
3	7	fd3	+365.00	+342.64	-22.36	200.00	P
3	7	fd4	+652.00	+634.64	-17.36	300.00	P
3	7	fd5	+1383.00	+1343.58	-39.42	300.00	P
3	7	fd6	+2778.00	+2716.53	-61.47	300.00	P
3	7	fd7	+5077.00	+5033.15	-43.85	300.00	P
3	7	fd8	+9832.00	+9725.67	-106.33	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
4	0	fd0	+5.00	+20.98	+15.98	200.00	P
4	0	fd1	+90.00	+111.62	+21.62	200.00	P

4	0	fd2	+208.00	+220.13	+12.13	200.00	P
4	0	fd3	+352.00	+371.31	+19.31	200.00	P
4	0	fd4	+664.00	+665.30	+1.30	300.00	P
4	0	fd5	+1361.00	+1373.17	+12.17	300.00	P
4	0	fd6	+2733.00	+2744.58	+11.58	300.00	P
4	0	fd7	+5000.00	+5006.33	+6.33	300.00	P
4	0	fd8	+9803.00	+9795.49	-7.51	500.00	P
4	1	fd0	+6.00	+13.00	+7.00	200.00	P
4	1	fd1	+100.00	+99.23	-0.77	200.00	P
4	1	fd2	+205.00	+199.62	-5.38	200.00	P
4	1	fd3	+343.00	+362.41	+19.41	200.00	P
4	1	fd4	+701.00	+668.33	-32.67	300.00	P
4	1	fd5	+1368.00	+1390.26	+22.26	300.00	P
4	1	fd6	+2808.00	+2793.63	-14.37	300.00	P
4	1	fd7	+5098.00	+5093.48	-4.52	300.00	P
4	1	fd8	+10004.00	+9982.85	-21.15	500.00	P
4	2	fd0	+10.00	+8.13	-1.87	200.00	P
4	2	fd1	+100.00	+112.68	+12.68	200.00	P
4	2	fd2	+186.00	+213.49	+27.49	200.00	P
4	2	fd3	+359.00	+365.76	+6.76	200.00	P
4	2	fd4	+679.00	+673.73	-5.27	300.00	P
4	2	fd5	+1367.00	+1366.51	-0.49	300.00	P
4	2	fd6	+2724.00	+2723.84	-0.16	300.00	P
4	2	fd7	+5005.00	+4973.20	-31.80	300.00	P
4	2	fd8	+9788.00	+9798.22	+10.22	500.00	P
4	3	fd0	+3.00	+6.64	+3.64	200.00	P
4	3	fd1	+105.00	+114.71	+9.71	200.00	P
4	3	fd2	+194.00	+201.55	+7.55	200.00	P
4	3	fd3	+347.00	+365.08	+18.08	200.00	P
4	3	fd4	+677.00	+653.87	-23.13	300.00	P
4	3	fd5	+1370.00	+1372.44	+2.44	300.00	P
4	3	fd6	+2795.00	+2791.35	-3.65	300.00	P
4	3	fd7	+5065.00	+5081.50	+16.50	300.00	P
4	3	fd8	+9958.00	+9941.49	-16.51	500.00	P
4	4	fd0	+10.00	+9.26	-0.74	200.00	P
4	4	fd1	+107.00	+112.77	+5.77	200.00	P
4	4	fd2	+193.00	+208.40	+15.40	200.00	P
4	4	fd3	+359.00	+366.25	+7.25	200.00	P
4	4	fd4	+661.00	+659.60	-1.40	300.00	P
4	4	fd5	+1369.00	+1360.50	-8.50	300.00	P

4	4	fd6	+2753.00	+2752.37	-0.63	300.00	P
4	4	fd7	+5040.00	+5035.96	-4.04	300.00	P
4	4	fd8	+9850.00	+9821.25	-28.75	500.00	P
4	5	fd0	+6.00	+13.35	+7.35	200.00	P
4	5	fd1	+103.00	+105.78	+2.78	200.00	P
4	5	fd2	+196.00	+211.97	+15.97	200.00	P
4	5	fd3	+384.00	+379.37	-4.63	200.00	P
4	5	fd4	+697.00	+663.45	-33.55	300.00	P
4	5	fd5	+1426.00	+1382.58	-43.42	300.00	P
4	5	fd6	+2820.00	+2774.64	-45.36	300.00	P
4	5	fd7	+5118.00	+5092.80	-25.20	300.00	P
4	5	fd8	+10017.00	+9987.57	-29.43	500.00	P
4	6	fd0	+9.00	+4.60	-4.40	200.00	P
4	6	fd1	+119.00	+101.69	-17.31	200.00	P
4	6	fd2	+189.00	+200.71	+11.71	200.00	P
4	6	fd3	+376.00	+387.28	+11.28	200.00	P
4	6	fd4	+656.00	+663.77	+7.77	300.00	P
4	6	fd5	+1388.00	+1384.63	-3.37	300.00	P
4	6	fd6	+2741.00	+2730.68	-10.32	300.00	P
4	6	fd7	+5014.00	+5003.64	-10.36	300.00	P
4	6	fd8	+9797.00	+9789.45	-7.55	500.00	P
4	7	fd0	+7.00	+0.00	-7.00	200.00	P
4	7	fd1	+115.00	+110.02	-4.98	200.00	P
4	7	fd2	+186.00	+192.16	+6.16	200.00	P
4	7	fd3	+353.00	+349.78	-3.22	200.00	P
4	7	fd4	+653.00	+667.03	+14.03	300.00	P
4	7	fd5	+1420.00	+1383.06	-36.94	300.00	P
4	7	fd6	+2818.00	+2768.47	-49.53	300.00	P
4	7	fd7	+5091.00	+5078.63	-12.37	300.00	P
4	7	fd8	+9934.00	+9928.73	-5.27	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
5	0	fd0	+18.00	+22.54	+4.54	200.00	P
5	0	fd1	+98.00	+100.29	+2.29	200.00	P
5	0	fd2	+211.00	+251.34	+40.34	200.00	P
5	0	fd3	+364.00	+397.71	+33.71	200.00	P
5	0	fd4	+712.00	+663.90	-48.10	300.00	P
5	0	fd5	+1336.00	+1396.27	+60.27	300.00	P
5	0	fd6	+2761.00	+2814.51	+53.51	300.00	P
5	0	fd7	+5032.00	+5032.36	+0.36	300.00	P

5	0	fd8	+9771.00	+9789.13	+18.13	500.00	P
5	1	fd0	+23.00	+0.00	-23.00	200.00	P
5	1	fd1	+111.00	+113.31	+2.31	200.00	P
5	1	fd2	+194.00	+210.56	+16.56	200.00	P
5	1	fd3	+341.00	+327.89	-13.11	200.00	P
5	1	fd4	+656.00	+665.22	+9.22	300.00	P
5	1	fd5	+1331.00	+1374.65	+43.65	300.00	P
5	1	fd6	+2756.00	+2762.26	+6.26	300.00	P
5	1	fd7	+5009.00	+5073.16	+64.16	300.00	P
5	1	fd8	+9959.00	+9921.93	-37.07	500.00	P
5	2	fd0	+2.00	+18.14	+16.14	200.00	P
5	2	fd1	+126.00	+166.74	+40.74	200.00	P
5	2	fd2	+225.00	+220.59	-4.41	200.00	P
5	2	fd3	+339.00	+371.24	+32.24	200.00	P
5	2	fd4	+611.00	+669.66	+58.66	300.00	P
5	2	fd5	+1333.00	+1369.92	+36.92	300.00	P
5	2	fd6	+2722.00	+2745.69	+23.69	300.00	P
5	2	fd7	+5005.00	+5003.12	-1.88	300.00	P
5	2	fd8	+9808.00	+9759.41	-48.59	500.00	P
5	3	fd0	+19.00	+11.63	-7.37	200.00	P
5	3	fd1	+110.00	+81.97	-28.03	200.00	P
5	3	fd2	+203.00	+179.42	-23.58	200.00	P
5	3	fd3	+363.00	+371.07	+8.07	200.00	P
5	3	fd4	+671.00	+652.32	-18.68	300.00	P
5	3	fd5	+1332.00	+1335.52	+3.52	300.00	P
5	3	fd6	+2767.00	+2750.74	-16.26	300.00	P
5	3	fd7	+5058.00	+5049.07	-8.93	300.00	P
5	3	fd8	+9959.00	+9938.40	-20.60	500.00	P
5	4	fd0	+2.00	+0.00	-2.00	200.00	P
5	4	fd1	+111.00	+90.34	-20.66	200.00	P
5	4	fd2	+196.00	+217.13	+21.13	200.00	P
5	4	fd3	+314.00	+353.04	+39.04	200.00	P
5	4	fd4	+676.00	+654.48	-21.52	300.00	P
5	4	fd5	+1310.00	+1365.17	+55.17	300.00	P
5	4	fd6	+2775.00	+2751.66	-23.34	300.00	P
5	4	fd7	+5006.00	+4982.24	-23.76	300.00	P
5	4	fd8	+9800.00	+9794.08	-5.92	500.00	P
5	5	fd0	+2.00	+6.13	+4.13	200.00	P
5	5	fd1	+112.00	+106.26	-5.74	200.00	P

5	5	fd2	+189.00	+217.25	+28.25	200.00	P
5	5	fd3	+363.00	+337.43	-25.57	200.00	P
5	5	fd4	+686.00	+643.16	-42.84	300.00	P
5	5	fd5	+1373.00	+1360.06	-12.94	300.00	P
5	5	fd6	+2825.00	+2764.34	-60.66	300.00	P
5	5	fd7	+5094.00	+5087.52	-6.48	300.00	P
5	5	fd8	+9974.00	+9923.67	-50.33	500.00	P
5	6	fd0	+2.00	+18.94	+16.94	200.00	P
5	6	fd1	+105.00	+141.02	+36.02	200.00	P
5	6	fd2	+200.00	+211.25	+11.25	200.00	P
5	6	fd3	+378.00	+368.06	-9.94	200.00	P
5	6	fd4	+669.00	+665.62	-3.38	300.00	P
5	6	fd5	+1333.00	+1354.31	+21.31	300.00	P
5	6	fd6	+2758.00	+2729.81	-28.19	300.00	P
5	6	fd7	+5001.00	+5007.36	+6.36	300.00	P
5	6	fd8	+9801.00	+9749.76	-51.24	500.00	P
5	7	fd0	+9.00	+0.00	-9.00	200.00	P
5	7	fd1	+99.00	+75.59	-23.41	200.00	P
5	7	fd2	+195.00	+148.91	-46.09	200.00	P
5	7	fd3	+387.00	+333.92	-53.08	200.00	P
5	7	fd4	+658.00	+628.16	-29.84	300.00	P
5	7	fd5	+1394.00	+1303.29	-90.71	300.00	P
5	7	fd6	+2792.00	+2711.96	-80.04	300.00	P
5	7	fd7	+5025.00	+5019.24	-5.76	300.00	P
5	7	fd8	+9903.00	+9774.12	-128.88	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
6	0	fd0	+9.00	+11.92	+2.92	200.00	P
6	0	fd1	+104.00	+116.02	+12.02	200.00	P
6	0	fd2	+192.00	+207.33	+15.33	200.00	P
6	0	fd3	+355.00	+371.94	+16.94	200.00	P
6	0	fd4	+640.00	+659.85	+19.85	300.00	P
6	0	fd5	+1335.00	+1342.81	+7.81	300.00	P
6	0	fd6	+2717.00	+2715.86	-1.14	300.00	P
6	0	fd7	+4950.00	+4930.86	-19.14	300.00	P
6	0	fd8	+9691.00	+9686.32	-4.68	500.00	P
6	1	fd0	+3.00	+1.71	-1.29	200.00	P
6	1	fd1	+107.00	+108.18	+1.18	200.00	P
6	1	fd2	+200.00	+193.56	-6.44	200.00	P
6	1	fd3	+344.00	+342.64	-1.36	200.00	P

6	1	fd4	+651.00	+642.09	-8.91	300.00	P
6	1	fd5	+1344.00	+1337.08	-6.92	300.00	P
6	1	fd6	+2727.00	+2734.93	+7.93	300.00	P
6	1	fd7	+4969.00	+4985.03	+16.03	300.00	P
6	1	fd8	+9768.00	+9770.15	+2.15	500.00	P
6	2	fd0	+9.00	+11.18	+2.18	200.00	P
6	2	fd1	+109.00	+123.61	+14.61	200.00	P
6	2	fd2	+203.00	+214.07	+11.07	200.00	P
6	2	fd3	+360.00	+371.71	+11.71	200.00	P
6	2	fd4	+647.00	+661.50	+14.50	300.00	P
6	2	fd5	+1320.00	+1314.94	-5.06	300.00	P
6	2	fd6	+2708.00	+2721.82	+13.82	300.00	P
6	2	fd7	+4916.00	+4915.03	-0.97	300.00	P
6	2	fd8	+9675.00	+9664.43	-10.57	500.00	P
6	3	fd0	+7.00	+6.69	-0.31	200.00	P
6	3	fd1	+113.00	+117.91	+4.91	200.00	P
6	3	fd2	+200.00	+196.16	-3.84	200.00	P
6	3	fd3	+345.00	+345.25	+0.25	200.00	P
6	3	fd4	+646.00	+645.93	-0.07	300.00	P
6	3	fd5	+1332.00	+1338.65	+6.65	300.00	P
6	3	fd6	+2720.00	+2716.76	-3.24	300.00	P
6	3	fd7	+4969.00	+4967.92	-1.08	300.00	P
6	3	fd8	+9735.00	+9709.71	-25.29	500.00	P
6	4	fd0	+8.00	+12.50	+4.50	200.00	P
6	4	fd1	+102.00	+106.59	+4.59	200.00	P
6	4	fd2	+196.00	+200.63	+4.63	200.00	P
6	4	fd3	+353.00	+364.47	+11.47	200.00	P
6	4	fd4	+641.00	+647.51	+6.51	300.00	P
6	4	fd5	+1357.00	+1344.07	-12.93	300.00	P
6	4	fd6	+2713.00	+2711.77	-1.23	300.00	P
6	4	fd7	+4927.00	+4932.86	+5.86	300.00	P
6	4	fd8	+9614.00	+9634.24	+20.24	500.00	P
6	5	fd0	+10.00	+11.21	+1.21	200.00	P
6	5	fd1	+96.00	+87.88	-8.12	200.00	P
6	5	fd2	+197.00	+188.88	-8.12	200.00	P
6	5	fd3	+348.00	+328.00	-20.00	200.00	P
6	5	fd4	+642.00	+628.37	-13.63	300.00	P
6	5	fd5	+1347.00	+1308.60	-38.40	300.00	P
6	5	fd6	+2734.00	+2690.60	-43.40	300.00	P
6	5	fd7	+4989.00	+4947.49	-41.51	300.00	P

6	5	fd8	+9738.00	+9690.99	-47.01	500.00	P
6	6	fd0	+3.00	+0.18	-2.82	200.00	P
6	6	fd1	+102.00	+115.17	+13.17	200.00	P
6	6	fd2	+214.00	+221.43	+7.43	200.00	P
6	6	fd3	+338.00	+357.18	+19.18	200.00	P
6	6	fd4	+623.00	+645.07	+22.07	300.00	P
6	6	fd5	+1340.00	+1345.95	+5.95	300.00	P
6	6	fd6	+2678.00	+2667.33	-10.67	300.00	P
6	6	fd7	+4898.00	+4879.16	-18.84	300.00	P
6	6	fd8	+9585.00	+9568.86	-16.14	500.00	P
6	7	fd0	+10.00	+6.14	-3.86	200.00	P
6	7	fd1	+116.00	+110.23	-5.77	200.00	P
6	7	fd2	+206.00	+207.69	+1.69	200.00	P
6	7	fd3	+361.00	+351.40	-9.60	200.00	P
6	7	fd4	+637.00	+628.98	-8.02	300.00	P
6	7	fd5	+1343.00	+1323.89	-19.11	300.00	P
6	7	fd6	+2725.00	+2704.75	-20.25	300.00	P
6	7	fd7	+4979.00	+4928.17	-50.83	300.00	P
6	7	fd8	+9659.00	+9632.73	-26.27	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
7	0	fd0	+2.00	+30.18	+28.18	200.00	P
7	0	fd1	+102.00	+132.62	+30.62	200.00	P
7	0	fd2	+199.00	+202.35	+3.35	200.00	P
7	0	fd3	+357.00	+342.21	-14.79	200.00	P
7	0	fd4	+638.00	+632.32	-5.68	300.00	P
7	0	fd5	+1310.00	+1308.10	-1.90	300.00	P
7	0	fd6	+2621.00	+2631.48	+10.48	300.00	P
7	0	fd7	+4811.00	+4809.69	-1.31	300.00	P
7	0	fd8	+9381.00	+9383.89	+2.89	500.00	P
7	1	fd0	+12.00	+13.39	+1.39	200.00	P
7	1	fd1	+95.00	+106.74	+11.74	200.00	P
7	1	fd2	+210.00	+199.70	-10.30	200.00	P
7	1	fd3	+330.00	+303.02	-26.98	200.00	P
7	1	fd4	+623.00	+625.12	+2.12	300.00	P
7	1	fd5	+1335.00	+1341.96	+6.96	300.00	P
7	1	fd6	+2673.00	+2685.72	+12.72	300.00	P
7	1	fd7	+4857.00	+4879.24	+22.24	300.00	P
7	1	fd8	+9516.00	+9501.53	-14.47	500.00	P

7	2	fd0	+25.00	+23.00	-2.00	200.00	P
7	2	fd1	+113.00	+118.63	+5.63	200.00	P
7	2	fd2	+199.00	+192.59	-6.41	200.00	P
7	2	fd3	+355.00	+355.33	+0.33	200.00	P
7	2	fd4	+645.00	+646.20	+1.20	300.00	P
7	2	fd5	+1376.00	+1366.37	-9.63	300.00	P
7	2	fd6	+2764.00	+2746.07	-17.93	300.00	P
7	2	fd7	+4990.00	+4984.36	-5.64	300.00	P
7	2	fd8	+9778.00	+9741.91	-36.09	500.00	P
7	3	fd0	+17.00	+2.87	-14.13	200.00	P
7	3	fd1	+105.00	+115.67	+10.67	200.00	P
7	3	fd2	+207.00	+211.96	+4.96	200.00	P
7	3	fd3	+367.00	+357.30	-9.70	200.00	P
7	3	fd4	+662.00	+667.30	+5.30	300.00	P
7	3	fd5	+1373.00	+1367.06	-5.94	300.00	P
7	3	fd6	+2769.00	+2770.62	+1.62	300.00	P
7	3	fd7	+5079.00	+5105.24	+26.24	300.00	P
7	3	fd8	+9831.00	+9847.34	+16.34	500.00	P
7	4	fd0	+2.00	+13.51	+11.51	200.00	P
7	4	fd1	+114.00	+131.07	+17.07	200.00	P
7	4	fd2	+200.00	+207.37	+7.37	200.00	P
7	4	fd3	+358.00	+335.51	-22.49	200.00	P
7	4	fd4	+657.00	+663.08	+6.08	300.00	P
7	4	fd5	+1379.00	+1375.30	-3.70	300.00	P
7	4	fd6	+2802.00	+2767.79	-34.21	300.00	P
7	4	fd7	+5043.00	+5020.88	-22.12	300.00	P
7	4	fd8	+9828.00	+9833.67	+5.67	500.00	P
7	5	fd0	+2.00	+12.84	+10.84	200.00	P
7	5	fd1	+116.00	+114.43	-1.57	200.00	P
7	5	fd2	+213.00	+191.04	-21.96	200.00	P
7	5	fd3	+365.00	+353.69	-11.31	200.00	P
7	5	fd4	+680.00	+670.28	-9.72	300.00	P
7	5	fd5	+1383.00	+1365.34	-17.66	300.00	P
7	5	fd6	+2781.00	+2771.28	-9.72	300.00	P
7	5	fd7	+5097.00	+5086.90	-10.10	300.00	P
7	5	fd8	+9885.00	+9885.28	+0.28	500.00	P
7	6	fd0	+2.00	+20.33	+18.33	200.00	P
7	6	fd1	+108.00	+99.79	-8.21	200.00	P
7	6	fd2	+194.00	+190.07	-3.93	200.00	P
7	6	fd3	+348.00	+364.22	+16.22	200.00	P

7	6	fd4	+640.00	+632.79	-7.21	300.00	P
7	6	fd5	+1339.00	+1326.46	-12.54	300.00	P
7	6	fd6	+2713.00	+2695.36	-17.64	300.00	P
7	6	fd7	+4937.00	+4929.02	-7.98	300.00	P
7	6	fd8	+9685.00	+9646.62	-38.38	500.00	P
7	7	fd0	+8.00	+9.30	+1.30	200.00	P
7	7	fd1	+104.00	+101.16	-2.84	200.00	P
7	7	fd2	+214.00	+207.05	-6.95	200.00	P
7	7	fd3	+370.00	+349.99	-20.01	200.00	P
7	7	fd4	+665.00	+610.23	-54.77	300.00	P
7	7	fd5	+1385.00	+1349.33	-35.67	300.00	P
7	7	fd6	+2773.00	+2731.77	-41.23	300.00	P
7	7	fd7	+5004.00	+4971.32	-32.68	300.00	P
7	7	fd8	+9696.00	+9628.92	-67.08	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
8	0	fd0	+8.00	+14.17	+6.17	200.00	P
8	0	fd1	+89.00	+97.22	+8.22	200.00	P
8	0	fd2	+204.00	+229.44	+25.44	200.00	P
8	0	fd3	+343.00	+356.56	+13.56	200.00	P
8	0	fd4	+644.00	+649.17	+5.17	300.00	P
8	0	fd5	+1312.00	+1316.99	+4.99	300.00	P
8	0	fd6	+2639.00	+2665.07	+26.07	300.00	P
8	0	fd7	+4832.00	+4849.25	+17.25	300.00	P
8	0	fd8	+9379.00	+9421.83	+42.83	500.00	P
8	1	fd0	+9.00	+6.41	-2.59	200.00	P
8	1	fd1	+105.00	+101.23	-3.77	200.00	P
8	1	fd2	+195.00	+193.28	-1.72	200.00	P
8	1	fd3	+345.00	+345.10	+0.10	200.00	P
8	1	fd4	+634.00	+629.12	-4.88	300.00	P
8	1	fd5	+1327.00	+1319.59	-7.41	300.00	P
8	1	fd6	+2692.00	+2692.69	+0.69	300.00	P
8	1	fd7	+4838.00	+4811.31	-26.69	300.00	P
8	1	fd8	+9424.00	+9406.94	-17.06	500.00	P
8	2	fd0	+5.00	+13.59	+8.59	200.00	P
8	2	fd1	+109.00	+130.81	+21.81	200.00	P
8	2	fd2	+200.00	+216.23	+16.23	200.00	P
8	2	fd3	+350.00	+364.14	+14.14	200.00	P
8	2	fd4	+643.00	+651.50	+8.50	300.00	P
8	2	fd5	+1322.00	+1333.02	+11.02	300.00	P

8	2	fd6	+2684.00	+2683.49	-0.51	300.00	P
8	2	fd7	+4887.00	+4883.00	-4.00	300.00	P
8	2	fd8	+9486.00	+9462.74	-23.26	500.00	P
8	3	fd0	+9.00	+10.27	+1.27	200.00	P
8	3	fd1	+102.00	+98.22	-3.78	200.00	P
8	3	fd2	+199.00	+206.02	+7.02	200.00	P
8	3	fd3	+358.00	+366.93	+8.93	200.00	P
8	3	fd4	+651.00	+651.73	+0.73	300.00	P
8	3	fd5	+1320.00	+1316.05	-3.95	300.00	P
8	3	fd6	+2704.00	+2698.93	-5.07	300.00	P
8	3	fd7	+4858.00	+4874.46	+16.46	300.00	P
8	3	fd8	+9498.00	+9495.82	-2.18	500.00	P
8	4	fd0	+10.00	+12.02	+2.02	200.00	P
8	4	fd1	+103.00	+102.87	-0.13	200.00	P
8	4	fd2	+201.00	+198.82	-2.18	200.00	P
8	4	fd3	+352.00	+356.30	+4.30	200.00	P
8	4	fd4	+630.00	+631.73	+1.73	300.00	P
8	4	fd5	+1335.00	+1336.19	+1.19	300.00	P
8	4	fd6	+2720.00	+2693.69	-26.31	300.00	P
8	4	fd7	+4946.00	+4951.23	+5.23	300.00	P
8	4	fd8	+9559.00	+9551.91	-7.09	500.00	P
8	5	fd0	+11.00	+9.38	-1.62	200.00	P
8	5	fd1	+106.00	+107.43	+1.43	200.00	P
8	5	fd2	+204.00	+202.46	-1.54	200.00	P
8	5	fd3	+362.00	+360.10	-1.90	200.00	P
8	5	fd4	+651.00	+644.58	-6.42	300.00	P
8	5	fd5	+1361.00	+1334.06	-26.94	300.00	P
8	5	fd6	+2766.00	+2718.01	-47.99	300.00	P
8	5	fd7	+4924.00	+4882.51	-41.49	300.00	P
8	5	fd8	+9547.00	+9536.40	-10.60	500.00	P
8	6	fd0	+9.00	+14.98	+5.98	200.00	P
8	6	fd1	+96.00	+104.87	+8.87	200.00	P
8	6	fd2	+197.00	+214.59	+17.59	200.00	P
8	6	fd3	+347.00	+365.29	+18.29	200.00	P
8	6	fd4	+644.00	+663.98	+19.98	300.00	P
8	6	fd5	+1349.00	+1358.91	+9.91	300.00	P
8	6	fd6	+2700.00	+2715.62	+15.62	300.00	P
8	6	fd7	+4924.00	+4919.72	-4.28	300.00	P
8	6	fd8	+9566.00	+9579.15	+13.15	500.00	P

8	7	fd0	+8.00	+5.70	-2.30	200.00	P
8	7	fd1	+107.00	+101.34	-5.66	200.00	P
8	7	fd2	+194.00	+191.11	-2.89	200.00	P
8	7	fd3	+350.00	+348.91	-1.09	200.00	P
8	7	fd4	+643.00	+645.25	+2.25	300.00	P
8	7	fd5	+1376.00	+1352.68	-23.32	300.00	P
8	7	fd6	+2717.00	+2676.88	-40.12	300.00	P
8	7	fd7	+4913.00	+4881.99	-31.01	300.00	P
8	7	fd8	+9508.00	+9481.80	-26.20	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
9	0	fd0	+7.00	+15.62	+8.62	200.00	P
9	0	fd1	+103.00	+93.12	-9.88	200.00	P
9	0	fd2	+195.00	+210.82	+15.82	200.00	P
9	0	fd3	+347.00	+365.53	+18.53	200.00	P
9	0	fd4	+636.00	+652.99	+16.99	300.00	P
9	0	fd5	+1319.00	+1322.25	+3.25	300.00	P
9	0	fd6	+2696.00	+2706.24	+10.24	300.00	P
9	0	fd7	+4906.00	+4950.49	+44.49	300.00	P
9	0	fd8	+9632.00	+9616.06	-15.94	500.00	P
9	1	fd0	+37.00	+0.00	-37.00	200.00	P
9	1	fd1	+101.00	+98.23	-2.77	200.00	P
9	1	fd2	+213.00	+211.26	-1.74	200.00	P
9	1	fd3	+371.00	+358.99	-12.01	200.00	P
9	1	fd4	+640.00	+601.83	-38.17	300.00	P
9	1	fd5	+1360.00	+1318.61	-41.39	300.00	P
9	1	fd6	+2731.00	+2664.70	-66.30	300.00	P
9	1	fd7	+4937.00	+4932.61	-4.39	300.00	P
9	1	fd8	+9549.00	+9510.85	-38.15	500.00	P
9	2	fd0	+6.00	+0.00	-6.00	200.00	P
9	2	fd1	+104.00	+85.93	-18.07	200.00	P
9	2	fd2	+206.00	+210.23	+4.23	200.00	P
9	2	fd3	+331.00	+348.15	+17.15	200.00	P
9	2	fd4	+666.00	+645.86	-20.14	300.00	P
9	2	fd5	+1317.00	+1321.60	+4.60	300.00	P
9	2	fd6	+2726.00	+2679.84	-46.16	300.00	P
9	2	fd7	+4954.00	+4919.48	-34.52	300.00	P
9	2	fd8	+9659.00	+9582.70	-76.30	500.00	P
9	3	fd0	+20.00	+6.82	-13.18	200.00	P
9	3	fd1	+118.00	+90.29	-27.71	200.00	P

9	3	fd2	+195.00	+169.35	-25.65	200.00	P
9	3	fd3	+357.00	+343.17	-13.83	200.00	P
9	3	fd4	+642.00	+636.42	-5.58	300.00	P
9	3	fd5	+1362.00	+1297.50	-64.50	300.00	P
9	3	fd6	+2733.00	+2689.26	-43.74	300.00	P
9	3	fd7	+4939.00	+4898.05	-40.95	300.00	P
9	3	fd8	+9569.00	+9512.86	-56.14	500.00	P
9	4	fd0	+26.00	+11.92	-14.08	200.00	P
9	4	fd1	+101.00	+99.25	-1.75	200.00	P
9	4	fd2	+198.00	+183.75	-14.25	200.00	P
9	4	fd3	+359.00	+369.12	+10.12	200.00	P
9	4	fd4	+649.00	+669.21	+20.21	300.00	P
9	4	fd5	+1354.00	+1325.46	-28.54	300.00	P
9	4	fd6	+2734.00	+2719.53	-14.47	300.00	P
9	4	fd7	+5020.00	+4934.06	-85.94	300.00	P
9	4	fd8	+9708.00	+9691.23	-16.77	500.00	P
9	5	fd0	+37.00	+1.21	-35.79	200.00	P
9	5	fd1	+106.00	+73.24	-32.76	200.00	P
9	5	fd2	+204.00	+161.50	-42.50	200.00	P
9	5	fd3	+358.00	+337.09	-20.91	200.00	P
9	5	fd4	+644.00	+626.37	-17.63	300.00	P
9	5	fd5	+1397.00	+1303.97	-93.03	300.00	P
9	5	fd6	+2798.00	+2688.80	-109.20	300.00	P
9	5	fd7	+5039.00	+4966.53	-72.47	300.00	P
9	5	fd8	+9748.00	+9669.92	-78.08	500.00	P
9	6	fd0	+27.00	+19.91	-7.09	200.00	P
9	6	fd1	+105.00	+109.73	+4.73	200.00	P
9	6	fd2	+203.00	+199.78	-3.22	200.00	P
9	6	fd3	+361.00	+373.95	+12.95	200.00	P
9	6	fd4	+633.00	+662.87	+29.87	300.00	P
9	6	fd5	+1333.00	+1327.32	-5.68	300.00	P
9	6	fd6	+2735.00	+2718.65	-16.35	300.00	P
9	6	fd7	+4974.00	+4960.17	-13.83	300.00	P
9	6	fd8	+9669.00	+9620.58	-48.42	500.00	P
9	7	fd0	+6.00	+0.00	-6.00	200.00	P
9	7	fd1	+101.00	+55.77	-45.23	200.00	P
9	7	fd2	+203.00	+188.18	-14.82	200.00	P
9	7	fd3	+372.00	+344.87	-27.13	200.00	P
9	7	fd4	+668.00	+618.94	-49.06	300.00	P
9	7	fd5	+1386.00	+1309.79	-76.21	300.00	P

9	7	fd6	+2789.00	+2722.46	-66.54	300.00	P
9	7	fd7	+5002.00	+4945.34	-56.66	300.00	P
9	7	fd8	+9714.00	+9616.92	-97.08	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
10	0	fd0	+11.00	+8.12	-2.88	200.00	P
10	0	fd1	+97.00	+107.71	+10.71	200.00	P
10	0	fd2	+205.00	+214.62	+9.62	200.00	P
10	0	fd3	+349.00	+338.29	-10.71	200.00	P
10	0	fd4	+639.00	+648.00	+9.00	300.00	P
10	0	fd5	+1343.00	+1344.51	+1.51	300.00	P
10	0	fd6	+2719.00	+2740.62	+21.62	300.00	P
10	0	fd7	+4984.00	+4994.92	+10.92	300.00	P
10	0	fd8	+9716.00	+9734.00	+18.00	500.00	P
10	1	fd0	+7.00	+8.17	+1.17	200.00	P
10	1	fd1	+114.00	+118.19	+4.19	200.00	P
10	1	fd2	+204.00	+196.53	-7.47	200.00	P
10	1	fd3	+354.00	+345.89	-8.11	200.00	P
10	1	fd4	+653.00	+646.11	-6.89	300.00	P
10	1	fd5	+1348.00	+1339.80	-8.20	300.00	P
10	1	fd6	+2745.00	+2745.10	+0.10	300.00	P
10	1	fd7	+5034.00	+5018.54	-15.46	300.00	P
10	1	fd8	+9661.00	+9692.73	+31.73	500.00	P
10	2	fd0	+9.00	+6.08	-2.92	200.00	P
10	2	fd1	+113.00	+111.20	-1.80	200.00	P
10	2	fd2	+203.00	+195.99	-7.01	200.00	P
10	2	fd3	+355.00	+350.76	-4.24	200.00	P
10	2	fd4	+631.00	+634.82	+3.82	300.00	P
10	2	fd5	+1333.00	+1334.13	+1.13	300.00	P
10	2	fd6	+2711.00	+2728.13	+17.13	300.00	P
10	2	fd7	+4989.00	+5000.96	+11.96	300.00	P
10	2	fd8	+9717.00	+9716.64	-0.36	500.00	P
10	3	fd0	+9.00	+17.12	+8.12	200.00	P
10	3	fd1	+106.00	+106.39	+0.39	200.00	P
10	3	fd2	+213.00	+213.69	+0.69	200.00	P
10	3	fd3	+346.00	+347.46	+1.46	200.00	P
10	3	fd4	+645.00	+653.79	+8.79	300.00	P
10	3	fd5	+1349.00	+1347.02	-1.98	300.00	P
10	3	fd6	+2745.00	+2737.92	-7.08	300.00	P
10	3	fd7	+5018.00	+5000.41	-17.59	300.00	P

10	3	fd8	+9674.00	+9666.02	-7.98	500.00	P
10	4	fd0	+11.00	+14.13	+3.13	200.00	P
10	4	fd1	+108.00	+121.23	+13.23	200.00	P
10	4	fd2	+207.00	+214.06	+7.06	200.00	P
10	4	fd3	+363.00	+356.82	-6.18	200.00	P
10	4	fd4	+657.00	+659.79	+2.79	300.00	P
10	4	fd5	+1352.00	+1356.16	+4.16	300.00	P
10	4	fd6	+2725.00	+2734.37	+9.37	300.00	P
10	4	fd7	+5004.00	+4990.53	-13.47	300.00	P
10	4	fd8	+9686.00	+9705.21	+19.21	500.00	P
10	5	fd0	+7.00	+14.35	+7.35	200.00	P
10	5	fd1	+110.00	+116.66	+6.66	200.00	P
10	5	fd2	+213.00	+209.52	-3.48	200.00	P
10	5	fd3	+365.00	+367.86	+2.86	200.00	P
10	5	fd4	+653.00	+636.88	-16.12	300.00	P
10	5	fd5	+1369.00	+1360.30	-8.70	300.00	P
10	5	fd6	+2759.00	+2737.34	-21.66	300.00	P
10	5	fd7	+5028.00	+4978.04	-49.96	300.00	P
10	5	fd8	+9706.00	+9698.41	-7.59	500.00	P
10	6	fd0	+5.00	+0.00	-5.00	200.00	P
10	6	fd1	+101.00	+105.62	+4.62	200.00	P
10	6	fd2	+209.00	+211.82	+2.82	200.00	P
10	6	fd3	+339.00	+344.35	+5.35	200.00	P
10	6	fd4	+636.00	+621.50	-14.50	300.00	P
10	6	fd5	+1339.00	+1337.13	-1.87	300.00	P
10	6	fd6	+2714.00	+2700.13	-13.87	300.00	P
10	6	fd7	+4986.00	+4979.02	-6.98	300.00	P
10	6	fd8	+9711.00	+9707.75	-3.25	500.00	P
10	7	fd0	+9.00	+7.39	-1.61	200.00	P
10	7	fd1	+103.00	+103.07	+0.07	200.00	P
10	7	fd2	+214.00	+202.13	-11.87	200.00	P
10	7	fd3	+362.00	+349.60	-12.40	200.00	P
10	7	fd4	+647.00	+626.19	-20.81	300.00	P
10	7	fd5	+1375.00	+1350.53	-24.47	300.00	P
10	7	fd6	+2776.00	+2732.42	-43.58	300.00	P
10	7	fd7	+5044.00	+5004.40	-39.60	300.00	P
10	7	fd8	+9710.00	+9657.23	-52.77	500.00	P

Pin	TG	Bit	Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F

11	0	fd0	+10.00	+23.25	+13.25	200.00	P
11	0	fd1	+103.00	+118.93	+15.93	200.00	P
11	0	fd2	+195.00	+199.65	+4.65	200.00	P
11	0	fd3	+352.00	+340.27	-11.73	200.00	P
11	0	fd4	+636.00	+652.36	+16.36	300.00	P
11	0	fd5	+1330.00	+1358.83	+28.83	300.00	P
11	0	fd6	+2709.00	+2734.62	+25.62	300.00	P
11	0	fd7	+5015.00	+4992.16	-22.84	300.00	P
11	0	fd8	+9717.00	+9708.55	-8.45	500.00	P
11	1	fd0	+13.00	+27.74	+14.74	200.00	P
11	1	fd1	+113.00	+144.86	+31.86	200.00	P
11	1	fd2	+219.00	+236.07	+17.07	200.00	P
11	1	fd3	+350.00	+332.95	-17.05	200.00	P
11	1	fd4	+644.00	+645.99	+1.99	300.00	P
11	1	fd5	+1362.00	+1355.19	-6.81	300.00	P
11	1	fd6	+2754.00	+2754.17	+0.17	300.00	P
11	1	fd7	+4987.00	+5009.18	+22.18	300.00	P
11	1	fd8	+9644.00	+9633.22	-10.78	500.00	P
11	2	fd0	+20.00	+20.30	+0.30	200.00	P
11	2	fd1	+103.00	+139.73	+36.73	200.00	P
11	2	fd2	+201.00	+234.44	+33.44	200.00	P
11	2	fd3	+357.00	+368.92	+11.92	200.00	P
11	2	fd4	+628.00	+629.44	+1.44	300.00	P
11	2	fd5	+1319.00	+1330.02	+11.02	300.00	P
11	2	fd6	+2669.00	+2729.17	+60.17	300.00	P
11	2	fd7	+4951.00	+4915.33	-35.67	300.00	P
11	2	fd8	+9523.00	+9511.09	-11.91	500.00	P
11	3	fd0	+11.00	+0.00	-11.00	200.00	P
11	3	fd1	+112.00	+106.86	-5.14	200.00	P
11	3	fd2	+201.00	+207.37	+6.37	200.00	P
11	3	fd3	+354.00	+351.11	-2.89	200.00	P
11	3	fd4	+650.00	+612.70	-37.30	300.00	P
11	3	fd5	+1334.00	+1320.50	-13.50	300.00	P
11	3	fd6	+2708.00	+2724.23	+16.23	300.00	P
11	3	fd7	+4898.00	+4957.50	+59.50	300.00	P
11	3	fd8	+9630.00	+9562.52	-67.48	500.00	P
11	4	fd0	+32.00	+0.00	-32.00	200.00	P
11	4	fd1	+100.00	+74.81	-25.19	200.00	P
11	4	fd2	+198.00	+186.32	-11.68	200.00	P
11	4	fd3	+360.00	+378.32	+18.32	200.00	P

11	4	fd4	+638.00	+636.72	-1.28	300.00	P
11	4	fd5	+1370.00	+1320.86	-49.14	300.00	P
11	4	fd6	+2731.00	+2705.96	-25.04	300.00	P
11	4	fd7	+5043.00	+4983.68	-59.32	300.00	P
11	4	fd8	+9697.00	+9659.70	-37.30	500.00	P
11	5	fd0	+9.00	+26.96	+17.96	200.00	P
11	5	fd1	+114.00	+112.72	-1.28	200.00	P
11	5	fd2	+215.00	+181.74	-33.26	200.00	P
11	5	fd3	+354.00	+350.09	-3.91	200.00	P
11	5	fd4	+655.00	+659.52	+4.52	300.00	P
11	5	fd5	+1355.00	+1333.88	-21.12	300.00	P
11	5	fd6	+2755.00	+2744.75	-10.25	300.00	P
11	5	fd7	+4996.00	+4992.55	-3.45	300.00	P
11	5	fd8	+9714.00	+9667.98	-46.02	500.00	P
11	6	fd0	+15.00	+4.25	-10.75	200.00	P
11	6	fd1	+111.00	+105.02	-5.98	200.00	P
11	6	fd2	+204.00	+192.79	-11.21	200.00	P
11	6	fd3	+356.00	+322.50	-33.50	200.00	P
11	6	fd4	+632.00	+644.42	+12.42	300.00	P
11	6	fd5	+1355.00	+1362.38	+7.38	300.00	P
11	6	fd6	+2752.00	+2736.72	-15.28	300.00	P
11	6	fd7	+5034.00	+4993.82	-40.18	300.00	P
11	6	fd8	+9761.00	+9742.94	-18.06	500.00	P
11	7	fd0	+2.00	+16.36	+14.36	200.00	P
11	7	fd1	+106.00	+127.32	+21.32	200.00	P
11	7	fd2	+215.00	+232.64	+17.64	200.00	P
11	7	fd3	+351.00	+367.22	+16.22	200.00	P
11	7	fd4	+663.00	+676.59	+13.59	300.00	P
11	7	fd5	+1356.00	+1365.74	+9.74	300.00	P
11	7	fd6	+2764.00	+2763.44	-0.56	300.00	P
11	7	fd7	+5035.00	+5038.54	+3.54	300.00	P
11	7	fd8	+9831.00	+9785.03	-45.97	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
12	0	fd0	+12.00	+8.75	-3.25	200.00	P
12	0	fd1	+98.00	+100.00	+2.00	200.00	P
12	0	fd2	+193.00	+186.56	-6.44	200.00	P
12	0	fd3	+374.00	+358.28	-15.72	200.00	P
12	0	fd4	+646.00	+643.32	-2.68	300.00	P
12	0	fd5	+1353.00	+1359.42	+6.42	300.00	P

12	0	fd6	+2730.00	+2737.88	+7.88	300.00	P
12	0	fd7	+4987.00	+4986.95	-0.05	300.00	P
12	0	fd8	+9729.00	+9734.50	+5.50	500.00	P
12	1	fd0	+10.00	+16.67	+6.67	200.00	P
12	1	fd1	+110.00	+116.09	+6.09	200.00	P
12	1	fd2	+203.00	+215.64	+12.64	200.00	P
12	1	fd3	+353.00	+358.14	+5.14	200.00	P
12	1	fd4	+668.00	+664.19	-3.81	300.00	P
12	1	fd5	+1338.00	+1339.85	+1.85	300.00	P
12	1	fd6	+2732.00	+2726.69	-5.31	300.00	P
12	1	fd7	+4979.00	+4960.84	-18.16	300.00	P
12	1	fd8	+9722.00	+9700.64	-21.36	500.00	P
12	2	fd0	+11.00	+13.36	+2.36	200.00	P
12	2	fd1	+94.00	+113.01	+19.01	200.00	P
12	2	fd2	+199.00	+212.63	+13.63	200.00	P
12	2	fd3	+363.00	+374.91	+11.91	200.00	P
12	2	fd4	+645.00	+655.92	+10.92	300.00	P
12	2	fd5	+1351.00	+1363.68	+12.68	300.00	P
12	2	fd6	+2709.00	+2698.48	-10.52	300.00	P
12	2	fd7	+4977.00	+4998.90	+21.90	300.00	P
12	2	fd8	+9715.00	+9730.58	+15.58	500.00	P
12	3	fd0	+11.00	+21.24	+10.24	200.00	P
12	3	fd1	+101.00	+101.35	+0.35	200.00	P
12	3	fd2	+212.00	+215.32	+3.32	200.00	P
12	3	fd3	+365.00	+371.81	+6.81	200.00	P
12	3	fd4	+641.00	+653.30	+12.30	300.00	P
12	3	fd5	+1316.00	+1314.58	-1.42	300.00	P
12	3	fd6	+2713.00	+2712.94	-0.06	300.00	P
12	3	fd7	+4930.00	+4924.59	-5.41	300.00	P
12	3	fd8	+9706.00	+9696.43	-9.57	500.00	P
12	4	fd0	+9.00	+3.62	-5.38	200.00	P
12	4	fd1	+110.00	+106.57	-3.43	200.00	P
12	4	fd2	+220.00	+214.12	-5.88	200.00	P
12	4	fd3	+377.00	+363.47	-13.53	200.00	P
12	4	fd4	+651.00	+636.37	-14.63	300.00	P
12	4	fd5	+1340.00	+1331.59	-8.41	300.00	P
12	4	fd6	+2729.00	+2706.30	-22.70	300.00	P
12	4	fd7	+5030.00	+5007.52	-22.48	300.00	P
12	4	fd8	+9732.00	+9714.48	-17.52	500.00	P

12	5	fd0	+7.00	+17.87	+10.87	200.00	P
12	5	fd1	+110.00	+116.86	+6.86	200.00	P
12	5	fd2	+203.00	+208.88	+5.88	200.00	P
12	5	fd3	+375.00	+372.66	-2.34	200.00	P
12	5	fd4	+660.00	+651.57	-8.43	300.00	P
12	5	fd5	+1372.00	+1344.96	-27.04	300.00	P
12	5	fd6	+2744.00	+2702.73	-41.27	300.00	P
12	5	fd7	+5039.00	+5002.13	-36.87	300.00	P
12	5	fd8	+9758.00	+9709.13	-48.87	500.00	P
12	6	fd0	+5.00	+3.06	-1.94	200.00	P
12	6	fd1	+93.00	+94.31	+1.31	200.00	P
12	6	fd2	+216.00	+212.86	-3.14	200.00	P
12	6	fd3	+368.00	+357.70	-10.30	200.00	P
12	6	fd4	+653.00	+656.85	+3.85	300.00	P
12	6	fd5	+1341.00	+1327.16	-13.84	300.00	P
12	6	fd6	+2728.00	+2715.35	-12.65	300.00	P
12	6	fd7	+5027.00	+5021.57	-5.43	300.00	P
12	6	fd8	+9747.00	+9725.90	-21.10	500.00	P
12	7	fd0	+11.00	+16.74	+5.74	200.00	P
12	7	fd1	+105.00	+106.38	+1.38	200.00	P
12	7	fd2	+198.00	+200.98	+2.98	200.00	P
12	7	fd3	+369.00	+366.19	-2.81	200.00	P
12	7	fd4	+664.00	+662.11	-1.89	300.00	P
12	7	fd5	+1346.00	+1317.48	-28.52	300.00	P
12	7	fd6	+2709.00	+2700.55	-8.45	300.00	P
12	7	fd7	+5001.00	+4968.37	-32.63	300.00	P
12	7	fd8	+9722.00	+9699.20	-22.80	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
13	0	fd0	+13.00	+41.69	+28.69	200.00	P
13	0	fd1	+94.00	+102.56	+8.56	200.00	P
13	0	fd2	+203.00	+214.40	+11.40	200.00	P
13	0	fd3	+360.00	+368.10	+8.10	200.00	P
13	0	fd4	+642.00	+657.76	+15.76	300.00	P
13	0	fd5	+1363.00	+1363.61	+0.61	300.00	P
13	0	fd6	+2721.00	+2728.78	+7.78	300.00	P
13	0	fd7	+5043.00	+4994.71	-48.29	300.00	P
13	0	fd8	+9767.00	+9743.99	-23.01	500.00	P
13	1	fd0	+12.00	+0.00	-12.00	200.00	P
13	1	fd1	+94.00	+104.81	+10.81	200.00	P

13	1	fd2	+211.00	+224.42	+13.42	200.00	P
13	1	fd3	+362.00	+350.67	-11.33	200.00	P
13	1	fd4	+657.00	+646.92	-10.08	300.00	P
13	1	fd5	+1340.00	+1305.50	-34.50	300.00	P
13	1	fd6	+2708.00	+2673.55	-34.45	300.00	P
13	1	fd7	+4977.00	+4982.38	+5.38	300.00	P
13	1	fd8	+9710.00	+9673.05	-36.95	500.00	P
13	2	fd0	+11.00	+17.56	+6.56	200.00	P
13	2	fd1	+93.00	+104.84	+11.84	200.00	P
13	2	fd2	+193.00	+214.16	+21.16	200.00	P
13	2	fd3	+352.00	+388.54	+36.54	200.00	P
13	2	fd4	+658.00	+682.69	+24.69	300.00	P
13	2	fd5	+1315.00	+1383.20	+68.20	300.00	P
13	2	fd6	+2698.00	+2752.43	+54.43	300.00	P
13	2	fd7	+5012.00	+5032.64	+20.64	300.00	P
13	2	fd8	+9712.00	+9708.80	-3.20	500.00	P
13	3	fd0	+18.00	+2.68	-15.32	200.00	P
13	3	fd1	+107.00	+75.77	-31.23	200.00	P
13	3	fd2	+215.00	+168.59	-46.41	200.00	P
13	3	fd3	+360.00	+334.41	-25.59	200.00	P
13	3	fd4	+664.00	+646.38	-17.62	300.00	P
13	3	fd5	+1299.00	+1294.43	-4.57	300.00	P
13	3	fd6	+2693.00	+2658.69	-34.31	300.00	P
13	3	fd7	+4990.00	+4969.41	-20.59	300.00	P
13	3	fd8	+9714.00	+9664.61	-49.39	500.00	P
13	4	fd0	+7.00	+12.31	+5.31	200.00	P
13	4	fd1	+96.00	+120.39	+24.39	200.00	P
13	4	fd2	+205.00	+255.58	+50.58	200.00	P
13	4	fd3	+364.00	+387.11	+23.11	200.00	P
13	4	fd4	+654.00	+682.60	+28.60	300.00	P
13	4	fd5	+1319.00	+1389.00	+70.00	300.00	P
13	4	fd6	+2684.00	+2723.40	+39.40	300.00	P
13	4	fd7	+5034.00	+5037.37	+3.37	300.00	P
13	4	fd8	+9733.00	+9774.85	+41.85	500.00	P
13	5	fd0	+10.00	+0.00	-10.00	200.00	P
13	5	fd1	+97.00	+112.08	+15.08	200.00	P
13	5	fd2	+209.00	+215.03	+6.03	200.00	P
13	5	fd3	+382.00	+383.45	+1.45	200.00	P
13	5	fd4	+668.00	+652.47	-15.53	300.00	P
13	5	fd5	+1315.00	+1303.43	-11.57	300.00	P

13	5	fd6	+2789.00	+2714.49	-74.51	300.00	P
13	5	fd7	+5005.00	+4971.15	-33.85	300.00	P
13	5	fd8	+9789.00	+9682.24	-106.76	500.00	P
13	6	fd0	+10.00	+0.00	-10.00	200.00	P
13	6	fd1	+99.00	+79.79	-19.21	200.00	P
13	6	fd2	+209.00	+193.48	-15.52	200.00	P
13	6	fd3	+329.00	+328.40	-0.60	200.00	P
13	6	fd4	+640.00	+644.22	+4.22	300.00	P
13	6	fd5	+1317.00	+1312.58	-4.42	300.00	P
13	6	fd6	+2679.00	+2672.00	-7.00	300.00	P
13	6	fd7	+4991.00	+4944.02	-46.98	300.00	P
13	6	fd8	+9679.00	+9685.56	+6.56	500.00	P
13	7	fd0	+9.00	+1.74	-7.26	200.00	P
13	7	fd1	+97.00	+80.88	-16.12	200.00	P
13	7	fd2	+204.00	+186.25	-17.75	200.00	P
13	7	fd3	+369.00	+329.44	-39.56	200.00	P
13	7	fd4	+669.00	+601.93	-67.07	300.00	P
13	7	fd5	+1378.00	+1284.55	-93.45	300.00	P
13	7	fd6	+2724.00	+2647.74	-76.26	300.00	P
13	7	fd7	+5020.00	+4927.41	-92.59	300.00	P
13	7	fd8	+9721.00	+9583.18	-137.82	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
14	0	fd0	+8.00	+5.47	-2.53	200.00	P
14	0	fd1	+109.00	+111.31	+2.31	200.00	P
14	0	fd2	+196.00	+198.42	+2.42	200.00	P
14	0	fd3	+367.00	+360.69	-6.31	200.00	P
14	0	fd4	+635.00	+626.37	-8.63	300.00	P
14	0	fd5	+1314.00	+1319.62	+5.62	300.00	P
14	0	fd6	+2691.00	+2692.47	+1.47	300.00	P
14	0	fd7	+4956.00	+4943.71	-12.29	300.00	P
14	0	fd8	+9644.00	+9650.98	+6.98	500.00	P
14	1	fd0	+4.00	+6.32	+2.32	200.00	P
14	1	fd1	+119.00	+116.47	-2.53	200.00	P
14	1	fd2	+196.00	+200.63	+4.63	200.00	P
14	1	fd3	+361.00	+351.41	-9.59	200.00	P
14	1	fd4	+664.00	+657.71	-6.29	300.00	P
14	1	fd5	+1342.00	+1347.22	+5.22	300.00	P
14	1	fd6	+2722.00	+2717.33	-4.67	300.00	P
14	1	fd7	+4966.00	+4959.06	-6.94	300.00	P

14	1	fd8	+9659.00	+9649.74	-9.26	500.00	P
14	2	fd0	+10.00	+5.39	-4.61	200.00	P
14	2	fd1	+88.00	+84.03	-3.97	200.00	P
14	2	fd2	+198.00	+198.19	+0.19	200.00	P
14	2	fd3	+376.00	+360.77	-15.23	200.00	P
14	2	fd4	+629.00	+620.43	-8.57	300.00	P
14	2	fd5	+1298.00	+1285.60	-12.40	300.00	P
14	2	fd6	+2669.00	+2658.11	-10.89	300.00	P
14	2	fd7	+4944.00	+4923.44	-20.56	300.00	P
14	2	fd8	+9664.00	+9648.21	-15.79	500.00	P
14	3	fd0	+10.00	+10.21	+0.21	200.00	P
14	3	fd1	+100.00	+95.58	-4.42	200.00	P
14	3	fd2	+195.00	+190.60	-4.40	200.00	P
14	3	fd3	+357.00	+348.27	-8.73	200.00	P
14	3	fd4	+660.00	+642.30	-17.70	300.00	P
14	3	fd5	+1319.00	+1307.57	-11.43	300.00	P
14	3	fd6	+2718.00	+2698.45	-19.55	300.00	P
14	3	fd7	+4986.00	+4967.08	-18.92	300.00	P
14	3	fd8	+9677.00	+9636.67	-40.33	500.00	P
14	4	fd0	+12.00	+10.93	-1.07	200.00	P
14	4	fd1	+96.00	+95.39	-0.61	200.00	P
14	4	fd2	+194.00	+202.06	+8.06	200.00	P
14	4	fd3	+366.00	+356.30	-9.70	200.00	P
14	4	fd4	+656.00	+634.69	-21.31	300.00	P
14	4	fd5	+1307.00	+1287.90	-19.10	300.00	P
14	4	fd6	+2703.00	+2678.46	-24.54	300.00	P
14	4	fd7	+4967.00	+4923.55	-43.45	300.00	P
14	4	fd8	+9630.00	+9613.12	-16.88	500.00	P
14	5	fd0	+9.00	+7.29	-1.71	200.00	P
14	5	fd1	+109.00	+106.57	-2.43	200.00	P
14	5	fd2	+212.00	+202.05	-9.95	200.00	P
14	5	fd3	+362.00	+368.83	+6.83	200.00	P
14	5	fd4	+649.00	+643.99	-5.01	300.00	P
14	5	fd5	+1348.00	+1324.52	-23.48	300.00	P
14	5	fd6	+2733.00	+2683.36	-49.64	300.00	P
14	5	fd7	+5002.00	+4947.89	-54.11	300.00	P
14	5	fd8	+9667.00	+9617.93	-49.07	500.00	P
14	6	fd0	+5.00	+9.22	+4.22	200.00	P
14	6	fd1	+100.00	+101.56	+1.56	200.00	P

14	6	fd2	+190.00	+204.80	+14.80	200.00	P
14	6	fd3	+350.00	+351.29	+1.29	200.00	P
14	6	fd4	+632.00	+638.70	+6.70	300.00	P
14	6	fd5	+1298.00	+1306.93	+8.93	300.00	P
14	6	fd6	+2666.00	+2666.77	+0.77	300.00	P
14	6	fd7	+4896.00	+4888.52	-7.48	300.00	P
14	6	fd8	+9514.00	+9504.15	-9.85	500.00	P
14	7	fd0	+6.00	+20.49	+14.49	200.00	P
14	7	fd1	+102.00	+107.22	+5.22	200.00	P
14	7	fd2	+195.00	+203.07	+8.07	200.00	P
14	7	fd3	+347.00	+348.04	+1.04	200.00	P
14	7	fd4	+665.00	+662.79	-2.21	300.00	P
14	7	fd5	+1347.00	+1333.10	-13.90	300.00	P
14	7	fd6	+2716.00	+2676.07	-39.93	300.00	P
14	7	fd7	+4954.00	+4927.61	-26.39	300.00	P
14	7	fd8	+9562.00	+9529.72	-32.28	500.00	P

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
15	0	fd0	+12.00	+17.89	+5.89	200.00	P
15	0	fd1	+95.00	+110.94	+15.94	200.00	P
15	0	fd2	+201.00	+243.12	+42.12	200.00	P
15	0	fd3	+339.00	+355.98	+16.98	200.00	P
15	0	fd4	+606.00	+636.53	+30.53	300.00	P
15	0	fd5	+1268.00	+1311.08	+43.08	300.00	P
15	0	fd6	+2543.00	+2623.97	+80.97	300.00	P
15	0	fd7	+4825.00	+4825.88	+0.88	300.00	P
15	0	fd8	+9389.00	+9424.79	+35.79	500.00	P
15	1	fd0	+7.00	+0.90	-6.10	200.00	P
15	1	fd1	+100.00	+86.23	-13.77	200.00	P
15	1	fd2	+207.00	+191.14	-15.86	200.00	P
15	1	fd3	+355.00	+335.10	-19.90	200.00	P
15	1	fd4	+646.00	+623.32	-22.68	300.00	P
15	1	fd5	+1305.00	+1275.12	-29.88	300.00	P
15	1	fd6	+2663.00	+2619.58	-43.42	300.00	P
15	1	fd7	+4823.00	+4843.08	+20.08	300.00	P
15	1	fd8	+9416.00	+9357.68	-58.32	500.00	P
15	2	fd0	+8.00	+11.45	+3.45	200.00	P
15	2	fd1	+94.00	+122.04	+28.04	200.00	P
15	2	fd2	+200.00	+203.53	+3.53	200.00	P
15	2	fd3	+346.00	+338.08	-7.92	200.00	P

15	2	fd4	+664.00	+647.54	-16.46	300.00	P
15	2	fd5	+1339.00	+1339.31	+0.31	300.00	P
15	2	fd6	+2725.00	+2714.02	-10.98	300.00	P
15	2	fd7	+4998.00	+4920.91	-77.09	300.00	P
15	2	fd8	+9712.00	+9680.74	-31.26	500.00	P
15	3	fd0	+10.00	+8.15	-1.85	200.00	P
15	3	fd1	+108.00	+103.10	-4.90	200.00	P
15	3	fd2	+206.00	+202.18	-3.82	200.00	P
15	3	fd3	+365.00	+363.79	-1.21	200.00	P
15	3	fd4	+663.00	+648.68	-14.32	300.00	P
15	3	fd5	+1338.00	+1310.10	-27.90	300.00	P
15	3	fd6	+2719.00	+2709.15	-9.85	300.00	P
15	3	fd7	+4998.00	+5061.94	+63.94	300.00	P
15	3	fd8	+9735.00	+9685.37	-49.63	500.00	P
15	4	fd0	+6.00	+2.09	-3.91	200.00	P
15	4	fd1	+99.00	+85.81	-13.19	200.00	P
15	4	fd2	+213.00	+194.17	-18.83	200.00	P
15	4	fd3	+353.00	+331.62	-21.38	200.00	P
15	4	fd4	+650.00	+635.97	-14.03	300.00	P
15	4	fd5	+1349.00	+1330.37	-18.63	300.00	P
15	4	fd6	+2727.00	+2681.59	-45.41	300.00	P
15	4	fd7	+5016.00	+4954.39	-61.61	300.00	P
15	4	fd8	+9758.00	+9697.71	-60.29	500.00	P
15	5	fd0	+9.00	+17.24	+8.24	200.00	P
15	5	fd1	+108.00	+111.49	+3.49	200.00	P
15	5	fd2	+197.00	+203.70	+6.70	200.00	P
15	5	fd3	+363.00	+370.32	+7.32	200.00	P
15	5	fd4	+643.00	+633.19	-9.81	300.00	P
15	5	fd5	+1345.00	+1343.20	-1.80	300.00	P
15	5	fd6	+2723.00	+2755.38	+32.38	300.00	P
15	5	fd7	+4959.00	+5022.53	+63.53	300.00	P
15	5	fd8	+9790.00	+9786.13	-3.87	500.00	P
15	6	fd0	+6.00	+19.89	+13.89	200.00	P
15	6	fd1	+101.00	+132.69	+31.69	200.00	P
15	6	fd2	+196.00	+201.48	+5.48	200.00	P
15	6	fd3	+362.00	+363.01	+1.01	200.00	P
15	6	fd4	+673.00	+645.17	-27.83	300.00	P
15	6	fd5	+1348.00	+1317.72	-30.28	300.00	P
15	6	fd6	+2677.00	+2647.95	-29.05	300.00	P
15	6	fd7	+4981.00	+4874.23	-106.77	300.00	P

15	6	fd8	+9583.00	+9529.32	-53.68	500.00	P
15	7	fd0	+9.00	+7.71	-1.29	200.00	P
15	7	fd1	+121.00	+114.75	-6.25	200.00	P
15	7	fd2	+209.00	+191.80	-17.20	200.00	P
15	7	fd3	+360.00	+344.98	-15.02	200.00	P
15	7	fd4	+667.00	+646.08	-20.92	300.00	P
15	7	fd5	+1351.00	+1293.41	-57.59	300.00	P
15	7	fd6	+2695.00	+2631.86	-63.14	300.00	P
15	7	fd7	+4940.00	+4899.47	-40.53	300.00	P
15	7	fd8	+9572.00	+9477.18	-94.82	500.00	P

TG Extend Bit Section:

Pin	TG	Bit Wt	Exp(ps)	Meas(ps)	Error(ps)	Limit(ps)	P/F
0	0	Extend	+8088.00	+8046.97	-41.03	200.00	P
0	1	Extend	+8167.00	+8198.15	+31.15	200.00	P
0	2	Extend	+8018.00	+8002.62	-15.38	200.00	P
0	3	Extend	+8184.00	+8182.50	-1.50	200.00	P
0	4	Extend	+8050.00	+8019.96	-30.04	200.00	P
0	5	Extend	+8169.00	+8162.62	-6.38	200.00	P
0	6	Extend	+7996.00	+8030.31	+34.31	200.00	P
0	7	Extend	+8185.00	+8144.47	-40.53	200.00	P
1	0	Extend	+8063.00	+8089.80	+26.80	200.00	P
1	1	Extend	+8137.00	+8112.89	-24.11	200.00	P
1	2	Extend	+8080.00	+8088.08	+8.08	200.00	P
1	3	Extend	+8213.00	+8163.58	-49.42	200.00	P
1	4	Extend	+8125.00	+8121.35	-3.65	200.00	P
1	5	Extend	+8201.00	+8093.75	-107.25	200.00	P
1	6	Extend	+8097.00	+8018.78	-78.22	200.00	P
1	7	Extend	+8135.00	+8077.31	-57.69	200.00	P
2	0	Extend	+7954.00	+7950.86	-3.14	200.00	P
2	1	Extend	+8103.00	+8096.42	-6.58	200.00	P
2	2	Extend	+7912.00	+7947.49	+35.49	200.00	P
2	3	Extend	+8043.00	+8035.35	-7.65	200.00	P
2	4	Extend	+7937.00	+7924.36	-12.64	200.00	P
2	5	Extend	+8086.00	+8062.89	-23.11	200.00	P
2	6	Extend	+7875.00	+7869.55	-5.45	200.00	P
2	7	Extend	+8049.00	+8026.63	-22.37	200.00	P
3	0	Extend	+7749.00	+7774.37	+25.37	200.00	P

3	1	Extend	+7852.00	+7852.14	+0.14	200.00	P
3	2	Extend	+7995.00	+7993.27	-1.73	200.00	P
3	3	Extend	+8132.00	+8084.73	-47.27	200.00	P
3	4	Extend	+7996.00	+7982.03	-13.97	200.00	P
3	5	Extend	+8115.00	+8053.52	-61.48	200.00	P
3	6	Extend	+7810.00	+7820.29	+10.29	200.00	P
3	7	Extend	+7994.00	+7887.30	-106.70	200.00	P
4	0	Extend	+7879.00	+7893.08	+14.08	200.00	P
4	1	Extend	+7997.00	+7998.13	+1.13	200.00	P
4	2	Extend	+7898.00	+7893.47	-4.53	200.00	P
4	3	Extend	+7950.00	+7961.97	+11.97	200.00	P
4	4	Extend	+7882.00	+7843.91	-38.09	200.00	P
4	5	Extend	+8043.00	+7997.27	-45.73	200.00	P
4	6	Extend	+7871.00	+7851.31	-19.69	200.00	P
4	7	Extend	+7956.00	+7942.11	-13.89	200.00	P
5	0	Extend	+7937.00	+7903.14	-33.86	200.00	P
5	1	Extend	+8002.00	+7989.35	-12.65	200.00	P
5	2	Extend	+7934.00	+7933.51	-0.49	200.00	P
5	3	Extend	+7983.00	+7948.32	-34.68	200.00	P
5	4	Extend	+7928.00	+7870.82	-57.18	200.00	P
5	5	Extend	+7994.00	+7901.64	-92.36	200.00	P
5	6	Extend	+7932.00	+7878.91	-53.09	200.00	P
5	7	Extend	+7946.00	+7883.50	-62.50	200.00	P
6	0	Extend	+7778.00	+7778.99	+0.99	200.00	P
6	1	Extend	+7861.00	+7862.80	+1.80	200.00	P
6	2	Extend	+7764.00	+7762.69	-1.31	200.00	P
6	3	Extend	+7829.00	+7831.27	+2.27	200.00	P
6	4	Extend	+7761.00	+7736.04	-24.96	200.00	P
6	5	Extend	+7841.00	+7790.34	-50.66	200.00	P
6	6	Extend	+7725.00	+7743.06	+18.06	200.00	P
6	7	Extend	+7809.00	+7792.16	-16.84	200.00	P
7	0	Extend	+7588.00	+7599.72	+11.72	200.00	P
7	1	Extend	+7695.00	+7705.65	+10.65	200.00	P
7	2	Extend	+7885.00	+7891.97	+6.97	200.00	P
7	3	Extend	+8050.00	+7990.35	-59.65	200.00	P
7	4	Extend	+7909.00	+7892.26	-16.74	200.00	P
7	5	Extend	+8060.00	+8040.87	-19.13	200.00	P
7	6	Extend	+7842.00	+7839.06	-2.94	200.00	P
7	7	Extend	+7938.00	+7862.46	-75.54	200.00	P

8	0	Extend	+7739.00	+7735.40	-3.60	200.00	P
8	1	Extend	+7679.00	+7667.43	-11.57	200.00	P
8	2	Extend	+7778.00	+7772.51	-5.49	200.00	P
8	3	Extend	+7727.00	+7729.56	+2.56	200.00	P
8	4	Extend	+7807.00	+7805.28	-1.72	200.00	P
8	5	Extend	+7778.00	+7732.01	-45.99	200.00	P
8	6	Extend	+7780.00	+7774.85	-5.15	200.00	P
8	7	Extend	+7742.00	+7708.65	-33.35	200.00	P
9	0	Extend	+7767.00	+7759.75	-7.25	200.00	P
9	1	Extend	+7818.00	+7779.31	-38.69	200.00	P
9	2	Extend	+7834.00	+7822.05	-11.95	200.00	P
9	3	Extend	+7849.00	+7856.82	+7.82	200.00	P
9	4	Extend	+7871.00	+7854.18	-16.82	200.00	P
9	5	Extend	+7866.00	+7813.78	-52.22	200.00	P
9	6	Extend	+7853.00	+7825.82	-27.18	200.00	P
9	7	Extend	+7906.00	+7886.40	-19.60	200.00	P
10	0	Extend	+7885.00	+7905.39	+20.39	200.00	P
10	1	Extend	+7867.00	+7897.58	+30.58	200.00	P
10	2	Extend	+7911.00	+7907.61	-3.39	200.00	P
10	3	Extend	+7853.00	+7860.99	+7.99	200.00	P
10	4	Extend	+7946.00	+7922.60	-23.40	200.00	P
10	5	Extend	+7973.00	+7931.20	-41.80	200.00	P
10	6	Extend	+7916.00	+7914.00	-2.00	200.00	P
10	7	Extend	+7900.00	+7868.04	-31.96	200.00	P
11	0	Extend	+7962.00	+7919.69	-42.31	200.00	P
11	1	Extend	+7960.00	+7909.07	-50.93	200.00	P
11	2	Extend	+7786.00	+7738.12	-47.88	200.00	P
11	3	Extend	+7840.00	+7794.09	-45.91	200.00	P
11	4	Extend	+7861.00	+7819.59	-41.41	200.00	P
11	5	Extend	+7911.00	+7861.40	-49.60	200.00	P
11	6	Extend	+7883.00	+7876.36	-6.64	200.00	P
11	7	Extend	+7961.00	+7950.76	-10.24	200.00	P
12	0	Extend	+7819.00	+7784.05	-34.95	200.00	P
12	1	Extend	+7823.00	+7792.63	-30.37	200.00	P
12	2	Extend	+7836.00	+7801.21	-34.79	200.00	P
12	3	Extend	+7799.00	+7791.16	-7.84	200.00	P
12	4	Extend	+7855.00	+7839.41	-15.59	200.00	P
12	5	Extend	+7850.00	+7816.24	-33.76	200.00	P
12	6	Extend	+7820.00	+7836.41	+16.41	200.00	P
12	7	Extend	+7786.00	+7763.13	-22.87	200.00	P

13	0	Extend	+7861.00	+7852.80	-8.20	200.00	P
13	1	Extend	+7802.00	+7764.01	-37.99	200.00	P
13	2	Extend	+7867.00	+7846.29	-20.71	200.00	P
13	3	Extend	+7791.00	+7768.53	-22.47	200.00	P
13	4	Extend	+7898.00	+7862.63	-35.37	200.00	P
13	5	Extend	+7781.00	+7728.40	-52.60	200.00	P
13	6	Extend	+7795.00	+7816.23	+21.23	200.00	P
13	7	Extend	+7801.00	+7770.04	-30.96	200.00	P
14	0	Extend	+7717.00	+7731.42	+14.42	200.00	P
14	1	Extend	+7717.00	+7712.84	-4.16	200.00	P
14	2	Extend	+7711.00	+7723.96	+12.96	200.00	P
14	3	Extend	+7699.00	+7702.29	+3.29	200.00	P
14	4	Extend	+7747.00	+7742.66	-4.34	200.00	P
14	5	Extend	+7755.00	+7705.00	-50.00	200.00	P
14	6	Extend	+7668.00	+7664.29	-3.71	200.00	P
14	7	Extend	+7730.00	+7703.37	-26.63	200.00	P
15	0	Extend	+7575.00	+7563.88	-11.12	200.00	P
15	1	Extend	+7593.00	+7536.17	-56.83	200.00	P
15	2	Extend	+7844.00	+7831.73	-12.27	200.00	P
15	3	Extend	+7807.00	+7771.70	-35.30	200.00	P
15	4	Extend	+7807.00	+7780.37	-26.63	200.00	P
15	5	Extend	+7793.00	+7772.41	-20.59	200.00	P
15	6	Extend	+7694.00	+7713.46	+19.46	200.00	P
15	7	Extend	+7662.00	+7588.70	-73.30	200.00	P

Driver Differential Mode Section:

Pin	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
1	+0.00	+0.08	+0.077	0.50	P
3	+0.00	-0.09	-0.086	0.50	P
5	+0.00	+0.20	+0.198	0.50	P
7	+0.00	-0.08	-0.084	0.50	P
9	+0.00	+0.03	+0.026	0.50	P
11	+0.00	+0.07	+0.073	0.50	P
13	+0.00	+0.11	+0.108	0.50	P
15	+0.00	-0.07	-0.072	0.50	P

Driver VTT Differential Mode Section:

Pin	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
1	+0.00	+0.03	+0.028	0.50	P

3		+0.00	+0.04	+0.037	0.50 P
5		+0.00	+0.03	+0.028	0.50 P
7		+0.00	+0.02	+0.020	0.50 P
9		+0.00	+0.10	+0.100	0.50 P
11		+0.00	+0.08	+0.080	0.50 P
13		+0.00	-0.01	-0.013	0.50 P
15		+0.00	+0.04	+0.041	0.50 P

Cal Board driver deskew adjust from pin 0 = 58pS, at temp delta = 0.25(C), lim= 5.00 nSec P

Driver Timing Section:

Pin	TG	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	TCLK	+0.00	-0.00	-0.000	0.50	P
0	0	+0.00	-0.05	-0.047	0.50	P
0	1	+0.00	-0.00	-0.004	0.50	P
0	2	+0.00	+0.02	+0.015	0.50	P
0	3	+0.00	-0.07	-0.067	0.50	P
0	4	+0.00	-0.02	-0.018	0.50	P
0	5	+0.00	-0.00	-0.004	0.50	P
0	6	+0.00	+0.00	+0.003	0.50	P
0	7	+0.00	-0.03	-0.025	0.50	P
1	TCLK	+0.00	-0.02	-0.017	0.50	P
1	0	+0.00	-0.07	-0.065	0.50	P
1	1	+0.00	-0.04	-0.037	0.50	P
1	2	+0.00	-0.05	-0.053	0.50	P
1	3	+0.00	-0.00	-0.003	0.50	P
1	4	+0.00	-0.07	-0.071	0.50	P
1	5	+0.00	-0.10	-0.096	0.50	P
1	6	+0.00	-0.09	-0.087	0.50	P
1	7	+0.00	-0.03	-0.028	0.50	P
2	TCLK	+0.00	+0.03	+0.031	0.50	P
2	0	+0.00	+0.02	+0.020	0.50	P
2	1	+0.00	-0.02	-0.017	0.50	P
2	2	+0.00	+0.01	+0.014	0.50	P
2	3	+0.00	-0.03	-0.028	0.50	P
2	4	+0.00	-0.04	-0.042	0.50	P
2	5	+0.00	-0.07	-0.065	0.50	P
2	6	+0.00	-0.01	-0.005	0.50	P
2	7	+0.00	-0.09	-0.092	0.50	P
3	TCLK	+0.00	+0.03	+0.034	0.50	P
3	0	+0.00	-0.07	-0.066	0.50	P
3	1	+0.00	-0.04	-0.035	0.50	P
3	2	+0.00	-0.06	-0.056	0.50	P

3	3	+0.00	-0.02	-0.022	0.50	P
3	4	+0.00	-0.06	-0.059	0.50	P
3	5	+0.00	-0.08	-0.078	0.50	P
3	6	+0.00	-0.07	-0.069	0.50	P
3	7	+0.00	-0.01	-0.005	0.50	P
4	TCLK	+0.00	-0.05	-0.050	0.50	P
4	0	+0.00	-0.01	-0.008	0.50	P
4	1	+0.00	+0.01	+0.006	0.50	P
4	2	+0.00	-0.08	-0.083	0.50	P
4	3	+0.00	-0.08	-0.083	0.50	P
4	4	+0.00	-0.11	-0.110	0.50	P
4	5	+0.00	-0.06	-0.059	0.50	P
4	6	+0.00	-0.02	-0.021	0.50	P
4	7	+0.00	-0.05	-0.055	0.50	P
5	TCLK	+0.00	+0.05	+0.052	0.50	P
5	0	+0.00	+0.00	+0.002	0.50	P
5	1	+0.00	-0.00	-0.003	0.50	P
5	2	+0.00	+0.02	+0.017	0.50	P
5	3	+0.00	-0.07	-0.069	0.50	P
5	4	+0.00	-0.03	-0.029	0.50	P
5	5	+0.00	-0.07	-0.074	0.50	P
5	6	+0.00	-0.02	-0.024	0.50	P
5	7	+0.00	-0.05	-0.050	0.50	P
6	TCLK	+0.00	-0.05	-0.045	0.50	P
6	0	+0.00	-0.06	-0.055	0.50	P
6	1	+0.00	-0.09	-0.092	0.50	P
6	2	+0.00	-0.06	-0.059	0.50	P
6	3	+0.00	-0.07	-0.070	0.50	P
6	4	+0.00	-0.06	-0.063	0.50	P
6	5	+0.00	-0.03	-0.034	0.50	P
6	6	+0.00	-0.08	-0.083	0.50	P
6	7	+0.00	-0.04	-0.040	0.50	P
7	TCLK	+0.00	-0.02	-0.024	0.50	P
7	0	+0.00	-0.02	-0.023	0.50	P
7	1	+0.00	-0.06	-0.062	0.50	P
7	2	+0.00	-0.00	-0.003	0.50	P
7	3	+0.00	-0.05	-0.048	0.50	P
7	4	+0.00	-0.00	-0.004	0.50	P
7	5	+0.00	-0.05	-0.048	0.50	P
7	6	+0.00	-0.06	-0.057	0.50	P
7	7	+0.00	-0.01	-0.009	0.50	P
8	TCLK	+0.00	-0.05	-0.051	0.50	P
8	0	+0.00	-0.05	-0.051	0.50	P
8	1	+0.00	-0.02	-0.018	0.50	P

8	2	+0.00	-0.01	-0.010	0.50	P
8	3	+0.00	-0.15	-0.151	0.50	P
8	4	+0.00	-0.02	-0.021	0.50	P
8	5	+0.00	-0.01	-0.010	0.50	P
8	6	+0.00	-0.08	-0.080	0.50	P
8	7	+0.00	-0.05	-0.045	0.50	P
9	TCLK	+0.00	-0.03	-0.026	0.50	P
9	0	+0.00	-0.06	-0.063	0.50	P
9	1	+0.00	-0.03	-0.029	0.50	P
9	2	+0.00	-0.03	-0.028	0.50	P
9	3	+0.00	+0.02	+0.018	0.50	P
9	4	+0.00	-0.05	-0.053	0.50	P
9	5	+0.00	-0.03	-0.032	0.50	P
9	6	+0.00	-0.07	-0.066	0.50	P
9	7	+0.00	-0.06	-0.061	0.50	P
10	TCLK	+0.00	+0.06	+0.060	0.50	P
10	0	+0.00	-0.04	-0.038	0.50	P
10	1	+0.00	+0.03	+0.027	0.50	P
10	2	+0.00	+0.00	+0.004	0.50	P
10	3	+0.00	+0.02	+0.019	0.50	P
10	4	+0.00	-0.02	-0.022	0.50	P
10	5	+0.00	-0.09	-0.086	0.50	P
10	6	+0.00	-0.01	-0.013	0.50	P
10	7	+0.00	-0.06	-0.060	0.50	P
11	TCLK	+0.00	-0.01	-0.008	0.50	P
11	0	+0.00	+0.02	+0.015	0.50	P
11	1	+0.00	-0.06	-0.059	0.50	P
11	2	+0.00	-0.03	-0.028	0.50	P
11	3	+0.00	-0.07	-0.072	0.50	P
11	4	+0.00	-0.07	-0.069	0.50	P
11	5	+0.00	-0.03	-0.034	0.50	P
11	6	+0.00	-0.04	-0.044	0.50	P
11	7	+0.00	-0.07	-0.074	0.50	P
12	TCLK	+0.00	-0.02	-0.021	0.50	P
12	0	+0.00	-0.04	-0.037	0.50	P
12	1	+0.00	-0.08	-0.078	0.50	P
12	2	+0.00	-0.07	-0.069	0.50	P
12	3	+0.00	-0.12	-0.124	0.50	P
12	4	+0.00	-0.08	-0.076	0.50	P
12	5	+0.00	-0.07	-0.066	0.50	P
12	6	+0.00	-0.10	-0.096	0.50	P
12	7	+0.00	-0.04	-0.039	0.50	P
13	TCLK	+0.00	-0.02	-0.019	0.50	P
13	0	+0.00	-0.02	-0.023	0.50	P

13	1	+0.00	-0.04	-0.039	0.50	P
13	2	+0.00	-0.03	-0.031	0.50	P
13	3	+0.00	-0.11	-0.110	0.50	P
13	4	+0.00	-0.02	-0.015	0.50	P
13	5	+0.00	-0.06	-0.065	0.50	P
13	6	+0.00	-0.08	-0.082	0.50	P
13	7	+0.00	-0.07	-0.069	0.50	P
14	TCLK	+0.00	-0.09	-0.091	0.50	P
14	0	+0.00	-0.06	-0.063	0.50	P
14	1	+0.00	-0.05	-0.049	0.50	P
14	2	+0.00	-0.06	-0.057	0.50	P
14	3	+0.00	-0.08	-0.083	0.50	P
14	4	+0.00	-0.06	-0.063	0.50	P
14	5	+0.00	-0.08	-0.077	0.50	P
14	6	+0.00	-0.08	-0.076	0.50	P
14	7	+0.00	-0.03	-0.028	0.50	P
15	TCLK	+0.00	+0.02	+0.021	0.50	P
15	0	+0.00	-0.01	-0.013	0.50	P
15	1	+0.00	+0.00	+0.001	0.50	P
15	2	+0.00	-0.03	-0.031	0.50	P
15	3	+0.00	-0.08	-0.075	0.50	P
15	4	+0.00	-0.02	-0.024	0.50	P
15	5	+0.00	-0.06	-0.057	0.50	P
15	6	+0.00	-0.01	-0.005	0.50	P
15	7	+0.00	-0.07	-0.075	0.50	P

VTT Timing Section:

Pin	TG	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	ZCLK	+0.00	+0.09	+0.089	0.50	P
1	ZCLK	+0.00	+0.02	+0.016	0.50	P
2	ZCLK	+0.00	-0.02	-0.015	0.50	P
3	ZCLK	+0.00	+0.00	+0.003	0.50	P
4	ZCLK	+0.00	+0.03	+0.031	0.50	P
5	ZCLK	+0.00	+0.01	+0.013	0.50	P
6	ZCLK	+0.00	+0.13	+0.127	0.50	P
7	ZCLK	+0.00	-0.04	-0.040	0.50	P
8	ZCLK	+0.00	-0.02	-0.022	0.50	P
9	ZCLK	+0.00	+0.04	+0.041	0.50	P
10	ZCLK	+0.00	+0.00	+0.004	0.50	P
11	ZCLK	+0.00	+0.05	+0.052	0.50	P
12	ZCLK	+0.00	-0.04	-0.037	0.50	P
13	ZCLK	+0.00	-0.05	-0.050	0.50	P
14	ZCLK	+0.00	+0.05	+0.045	0.50	P

15 ZCLK +0.00 +0.01 +0.007 0.50 P

Driver DDR Timing Section:

Pin	TG	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	DCLK	+0.00	+0.08	+0.077	0.50	P
1	DCLK	+0.00	-0.01	-0.012	0.50	P
2	DCLK	+0.00	+0.04	+0.038	0.50	P
3	DCLK	+0.00	+0.04	+0.038	0.50	P
4	DCLK	+0.00	-0.03	-0.028	0.50	P
5	DCLK	+0.00	+0.05	+0.049	0.50	P
6	DCLK	+0.00	+0.00	+0.003	0.50	P
7	DCLK	+0.00	-0.02	-0.019	0.50	P
8	DCLK	+0.00	+0.04	+0.043	0.50	P
9	DCLK	+0.00	+0.02	+0.016	0.50	P
10	DCLK	+0.00	+0.00	+0.001	0.50	P
11	DCLK	+0.00	+0.04	+0.043	0.50	P
12	DCLK	+0.00	-0.05	-0.047	0.50	P
13	DCLK	+0.00	-0.03	-0.029	0.50	P
14	DCLK	+0.00	+0.00	+0.004	0.50	P
15	DCLK	+0.00	+0.01	+0.014	0.50	P

Cal Board receiver deskew adjust from pin 0 = 86pS, at temp delta = 0.19(C), lim= 5.00 nSec P

Receiver Timing Section:

Pin	TG	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	1	+0.00	-0.04	-0.045	0.50	P
0	3	+0.00	-0.01	-0.011	0.50	P
0	5	+0.00	-0.02	-0.020	0.50	P
0	7	+0.00	-0.02	-0.019	0.50	P
1	1	+0.00	-0.00	-0.001	0.50	P
1	3	+0.00	-0.01	-0.006	0.50	P
1	5	+0.00	+0.01	+0.014	0.50	P
1	7	+0.00	+0.05	+0.045	0.50	P
2	1	+0.00	-0.01	-0.007	0.50	P
2	3	+0.00	-0.03	-0.032	0.50	P
2	5	+0.00	-0.05	-0.046	0.50	P
2	7	+0.00	-0.03	-0.033	0.50	P
3	1	+0.00	+0.02	+0.021	0.50	P
3	3	+0.00	-0.02	-0.015	0.50	P
3	5	+0.00	-0.08	-0.077	0.50	P
3	7	+0.00	+0.01	+0.013	0.50	P
4	1	+0.00	-0.01	-0.008	0.50	P

4	3	+0.00	-0.08	-0.077	0.50	P
4	5	+0.00	-0.06	-0.056	0.50	P
4	7	+0.00	-0.05	-0.054	0.50	P
5	1	+0.00	-0.06	-0.058	0.50	P
5	3	+0.00	-0.06	-0.056	0.50	P
5	5	+0.00	-0.02	-0.024	0.50	P
5	7	+0.00	-0.01	-0.009	0.50	P
6	1	+0.00	-0.03	-0.029	0.50	P
6	3	+0.00	-0.03	-0.025	0.50	P
6	5	+0.00	-0.01	-0.015	0.50	P
6	7	+0.00	-0.07	-0.068	0.50	P
7	1	+0.00	-0.02	-0.024	0.50	P
7	3	+0.00	-0.06	-0.058	0.50	P
7	5	+0.00	-0.05	-0.048	0.50	P
7	7	+0.00	-0.05	-0.051	0.50	P
8	1	+0.00	-0.04	-0.037	0.50	P
8	3	+0.00	-0.06	-0.058	0.50	P
8	5	+0.00	-0.02	-0.025	0.50	P
8	7	+0.00	-0.01	-0.013	0.50	P
9	1	+0.00	-0.03	-0.028	0.50	P
9	3	+0.00	-0.04	-0.035	0.50	P
9	5	+0.00	-0.02	-0.022	0.50	P
9	7	+0.00	-0.04	-0.035	0.50	P
10	1	+0.00	-0.03	-0.028	0.50	P
10	3	+0.00	-0.05	-0.046	0.50	P
10	5	+0.00	-0.05	-0.046	0.50	P
10	7	+0.00	-0.07	-0.066	0.50	P
11	1	+0.00	-0.09	-0.090	0.50	P
11	3	+0.00	-0.03	-0.027	0.50	P
11	5	+0.00	+0.01	+0.012	0.50	P
11	7	+0.00	+0.00	+0.003	0.50	P
12	1	+0.00	-0.03	-0.026	0.50	P
12	3	+0.00	-0.03	-0.028	0.50	P
12	5	+0.00	-0.02	-0.018	0.50	P
12	7	+0.00	-0.00	-0.003	0.50	P
13	1	+0.00	-0.02	-0.024	0.50	P
13	3	+0.00	-0.07	-0.066	0.50	P
13	5	+0.00	-0.05	-0.047	0.50	P
13	7	+0.00	-0.03	-0.033	0.50	P
14	1	+0.00	-0.03	-0.032	0.50	P
14	3	+0.00	-0.02	-0.019	0.50	P
14	5	+0.00	-0.01	-0.012	0.50	P
14	7	+0.00	-0.05	-0.052	0.50	P
15	1	+0.00	-0.02	-0.018	0.50	P

15	3	+0.00	-0.03	-0.027	0.50	P
15	5	+0.00	-0.02	-0.016	0.50	P
15	7	+0.00	-0.12	-0.124	0.50	P

LoopBack Timing Section:

Pin	TS	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	0	+0.00	-0.06	-0.06	1.00	P
0	1	+0.00	-0.08	-0.08	1.00	P
1	0	+0.00	+0.03	+0.03	1.00	P
1	1	+0.00	+0.00	+0.00	1.00	P
2	0	+0.00	+0.09	+0.09	1.00	P
2	1	+0.00	+0.08	+0.08	1.00	P
3	0	+0.00	+0.06	+0.06	1.00	P
3	1	+0.00	+0.10	+0.10	1.00	P
4	0	+0.00	+0.02	+0.02	1.00	P
4	1	+0.00	+0.00	+0.00	1.00	P
5	0	+0.00	+0.00	+0.00	1.00	P
5	1	+0.00	-0.06	-0.06	1.00	P
6	0	+0.00	+0.00	+0.00	1.00	P
6	1	+0.00	-0.01	-0.01	1.00	P
7	0	+0.00	+0.00	+0.00	1.00	P
7	1	+0.00	+0.02	+0.02	1.00	P
8	0	+0.00	+0.02	+0.02	1.00	P
8	1	+0.00	+0.00	+0.00	1.00	P
9	0	+0.00	+0.02	+0.02	1.00	P
9	1	+0.00	+0.03	+0.03	1.00	P
10	0	+0.00	-0.02	-0.02	1.00	P
10	1	+0.00	+0.00	+0.00	1.00	P
11	0	+0.00	+0.02	+0.02	1.00	P
11	1	+0.00	+0.00	+0.00	1.00	P
12	0	+0.00	-0.01	-0.01	1.00	P
12	1	+0.00	-0.01	-0.01	1.00	P
13	0	+0.00	+0.02	+0.02	1.00	P
13	1	+0.00	+0.00	+0.00	1.00	P
14	0	+0.00	+0.00	+0.00	1.00	P
14	1	+0.00	-0.02	-0.02	1.00	P
15	0	+0.00	-0.05	-0.05	1.00	P
15	1	+0.00	+0.09	+0.09	1.00	P

OTA Timing Section:

Pin	TS	FMT	Prog(ns)	Meas(ns)	Error(ns)	Limit(ns)	P/F
0	0	KN	+400.00	+400.00	+0.00	1.00	P

0	0	KT	+100.00	+100.00	+0.00	1.00	P
0	1	KN	+400.00	+400.00	+0.00	1.00	P
0	1	KT	+100.00	+100.05	+0.05	1.00	P
1	0	KN	+400.00	+400.00	+0.00	1.00	P
1	0	KT	+100.00	+100.00	+0.00	1.00	P
1	1	KN	+400.00	+400.00	+0.00	1.00	P
1	1	KT	+100.00	+100.05	+0.05	1.00	P
2	0	KN	+400.00	+400.00	+0.00	1.00	P
2	0	KT	+100.00	+100.00	+0.00	1.00	P
2	1	KN	+400.00	+400.00	+0.00	1.00	P
2	1	KT	+100.00	+100.00	+0.00	1.00	P
3	0	KN	+400.00	+400.00	+0.00	1.00	P
3	0	KT	+100.00	+100.00	+0.00	1.00	P
3	1	KN	+400.00	+399.91	-0.09	1.00	P
3	1	KT	+100.00	+100.00	+0.00	1.00	P
4	0	KN	+400.00	+400.00	+0.00	1.00	P
4	0	KT	+100.00	+100.00	+0.00	1.00	P
4	1	KN	+400.00	+400.00	+0.00	1.00	P
4	1	KT	+100.00	+100.00	+0.00	1.00	P
5	0	KN	+400.00	+400.00	+0.00	1.00	P
5	0	KT	+100.00	+100.00	+0.00	1.00	P
5	1	KN	+400.00	+400.00	+0.00	1.00	P
5	1	KT	+100.00	+100.00	+0.00	1.00	P
6	0	KN	+400.00	+400.00	+0.00	1.00	P
6	0	KT	+100.00	+100.00	+0.00	1.00	P
6	1	KN	+400.00	+400.00	+0.00	1.00	P
6	1	KT	+100.00	+100.00	+0.00	1.00	P
7	0	KN	+400.00	+400.00	+0.00	1.00	P
7	0	KT	+100.00	+99.91	-0.09	1.00	P
7	1	KN	+400.00	+400.09	+0.09	1.00	P
7	1	KT	+100.00	+100.09	+0.09	1.00	P
8	0	KN	+400.00	+400.00	+0.00	1.00	P
8	0	KT	+100.00	+100.00	+0.00	1.00	P
8	1	KN	+400.00	+400.00	+0.00	1.00	P
8	1	KT	+100.00	+100.00	+0.00	1.00	P
9	0	KN	+400.00	+400.00	+0.00	1.00	P
9	0	KT	+100.00	+100.00	+0.00	1.00	P
9	1	KN	+400.00	+400.00	+0.00	1.00	P
9	1	KT	+100.00	+100.00	+0.00	1.00	P
10	0	KN	+400.00	+400.00	+0.00	1.00	P
10	0	KT	+100.00	+100.00	+0.00	1.00	P
10	1	KN	+400.00	+400.00	+0.00	1.00	P
10	1	KT	+100.00	+100.00	+0.00	1.00	P
11	0	KN	+400.00	+400.00	+0.00	1.00	P

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11   0   KT    +100.00    +100.00       +0.00        1.00    P
11   1   KN    +400.00    +400.00       +0.00        1.00    P
11   1   KT    +100.00    +100.00       +0.00        1.00    P
12   0   KN    +400.00    +400.00       +0.00        1.00    P
12   0   KT    +100.00    +100.00       +0.00        1.00    P
12   1   KN    +400.00    +400.00       +0.00        1.00    P
12   1   KT    +100.00    +100.00       +0.00        1.00    P
13   0   KN    +400.00    +400.00       +0.00        1.00    P
13   0   KT    +100.00    +100.00       +0.00        1.00    P
13   1   KN    +400.00    +400.00       +0.00        1.00    P
13   1   KT    +100.00    +100.00       +0.00        1.00    P
14   0   KN    +400.00    +400.00       +0.00        1.00    P
14   0   KT    +100.00    +100.00       +0.00        1.00    P
14   1   KN    +400.00    +400.00       +0.00        1.00    P
14   1   KT    +100.00    +100.00       +0.00        1.00    P
15   0   KN    +400.00    +399.91       -0.09        1.00    P
15   0   KT    +100.00     +99.91       -0.09        1.00    P
15   1   KN    +400.00    +400.00       +0.00        1.00    P
15   1   KT    +100.00    +100.00       +0.00        1.00    P
Last Calibration Date: 10/26/22 14:48.55
(10/26/22 15:03.49 - CAL REV:2015)  CHK STATUS: FAIL

  Cal Digital Integration:  SN    REV 25

Measuring Cal Board DG271 Offset:
Cal Board DG271 Offset measured =  28.59  lim= 100.0 nSec   P

 ------------------------------
 - - - CALIBRATING TMU0  - - -
 ------------------------------

 ------------------------------
 - - - CALIBRATING TMU1  - - -
 ------------------------------

 ------------------------------
 - - - CALIBRATING TMU2  - - -
 ------------------------------

 ------------------------------
 - - - CALIBRATING TMU3  - - -
 ------------------------------
(10/26/22 15:13.17 - CAL REV:2015) *** CAL RAM UPDATED ***
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Check Digital Integration: SN   REV 25

Measuring Cal Board DG271 Offset:
Cal Board DG271 Offset expect = 28.59 measured = 28.71 lim= 20.0 nSec   P

- - - CHECKING TMU0 - - -

Measuring CalRef-CalRef Skew:
tmu= 0 start= CalRef-Pos stop= CalRef-Pos meas= -0.00 P lim= 2.0 nSec

Measuring CalRef-Direct Path Delay:
tmu= 0 start= CalRef stop= Direct meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= Direct stop= CalRef meas= -0.01 P lim= 2.0 nSec

Measuring CalRef - Receiver Path Delays:

tmu= 0 start= CalRef stop= IO0-S0-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO0-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO0-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO0-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO0-S2-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO0-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO0-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO0-S3-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO1-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO1-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO1-S1-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO1-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO1-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO1-S2-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO1-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO1-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO2-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO2-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO2-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO2-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO2-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO2-S2-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO2-S3-RCVL meas= -0.01 P lim= 2.0 nSec

tmu= 0 start= CalRef stop= IO2-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO3-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO3-S0-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO3-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO3-S1-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO3-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO3-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO3-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO3-S3-RCVH meas= 0.04 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO4-S0-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO4-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO4-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO4-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO4-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO4-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO4-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO4-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO5-S0-RCVL meas= 0.04 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO5-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO5-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO5-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO5-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO5-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO5-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO5-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO6-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO6-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO6-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO6-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO6-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO6-S2-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO6-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO6-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO7-S0-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO7-S0-RCVH meas= 0.04 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO7-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO7-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO7-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO7-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO7-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO7-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO8-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO8-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO8-S1-RCVL meas= -0.00 P lim= 2.0 nSec

tmu= 0 start= CalRef stop= IO8-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO8-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO8-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO8-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO8-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO9-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO9-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO9-S1-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO9-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO9-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO9-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO9-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO9-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO10-S0-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO10-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO10-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO10-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO10-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO10-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO10-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO10-S3-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO11-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO11-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO11-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO11-S1-RCVH meas= 0.06 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO11-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO11-S2-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO11-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO11-S3-RCVH meas= 0.04 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO12-S0-RCVL meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO12-S0-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO12-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO12-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO12-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO12-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO12-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO12-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO13-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO13-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO13-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO13-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO13-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO13-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO13-S3-RCVL meas= 0.00 P lim= 2.0 nSec

tmu= 0 start= CalRef stop= IO13-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO14-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO14-S0-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO14-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO14-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO14-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO14-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO14-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO14-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO15-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO15-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO15-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO15-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO15-S2-RCVL meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO15-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO15-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO15-S3-RCVH meas= -0.02 P lim= 2.0 nSec

tmu= 0 start= CalRef stop= IO16-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO16-S0-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO16-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO16-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO16-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO16-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO16-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO16-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO17-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO17-S0-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO17-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO17-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO17-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO17-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO17-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO17-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO18-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO18-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO18-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO18-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO18-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO18-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO18-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO18-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO19-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO19-S0-RCVH meas= 0.01 P lim= 2.0 nSec

tmu= 0 start= CalRef stop= IO19-S1-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO19-S1-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO19-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO19-S2-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO19-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO19-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO20-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO20-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO20-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO20-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO20-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO20-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO20-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO20-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO21-S0-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO21-S0-RCVH meas= 0.04 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO21-S1-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO21-S1-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO21-S2-RCVL meas= 0.04 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO21-S2-RCVH meas= 0.04 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO21-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO21-S3-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO22-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO22-S0-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO22-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO22-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO22-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO22-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO22-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO22-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO23-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO23-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO23-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO23-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO23-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO23-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO23-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO23-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO24-S0-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO24-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO24-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO24-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO24-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO24-S2-RCVH meas= 0.02 P lim= 2.0 nSec

tmu= 0 start= CalRef stop= IO24-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO24-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO25-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO25-S0-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO25-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO25-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO25-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO25-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO25-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO25-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO26-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO26-S0-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO26-S1-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO26-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO26-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO26-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO26-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO26-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO27-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO27-S0-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO27-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO27-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO27-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO27-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO27-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO27-S3-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO28-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO28-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO28-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO28-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO28-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO28-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO28-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO28-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO29-S0-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO29-S0-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO29-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO29-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO29-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO29-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO29-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO29-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO30-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO30-S0-RCVH meas= -0.00 P lim= 2.0 nSec

tmu= 0 start= CalRef stop= IO30-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO30-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO30-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO30-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO30-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO30-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO31-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO31-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO31-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO31-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO31-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO31-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO31-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO31-S3-RCVH meas= 0.02 P lim= 2.0 nSec

tmu= 0 start= IO0-S0-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= IO0-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO0-S1-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO0-S1-RCVH stop= CalRef meas= -0.04 P lim= 2.0 nSec
tmu= 0 start= IO0-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO0-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO0-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO0-S3-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO1-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO1-S0-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO1-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO1-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO1-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO1-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO1-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO1-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO2-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO2-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO2-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO2-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO2-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO2-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO2-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO2-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO3-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO3-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO3-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO3-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO3-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec

tmu= 0 start= IO3-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO3-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO3-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO4-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO4-S0-RCVH stop= CalRef meas= 0.04 P lim= 2.0 nSec
tmu= 0 start= IO4-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO4-S1-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= IO4-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO4-S2-RCVH stop= CalRef meas= 0.04 P lim= 2.0 nSec
tmu= 0 start= IO4-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO4-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO5-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO5-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO5-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO5-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO5-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO5-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO5-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO5-S3-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= IO6-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO6-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO6-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO6-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO6-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO6-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO6-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO6-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO7-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO7-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO7-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO7-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO7-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO7-S2-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= IO7-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO7-S3-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= IO8-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO8-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO8-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO8-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO8-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO8-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO8-S3-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= IO8-S3-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO9-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec

tmu= 0 start= IO9-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO9-S1-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO9-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO9-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO9-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO9-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO9-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO10-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO10-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO10-S1-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= IO10-S1-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO10-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO10-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO10-S3-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= IO10-S3-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO11-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO11-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO11-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO11-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO11-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO11-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO11-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO11-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO12-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO12-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO12-S1-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= IO12-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO12-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO12-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO12-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO12-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO13-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO13-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO13-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO13-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO13-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO13-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO13-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO13-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO14-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO14-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO14-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO14-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO14-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec

tmu= 0 start= IO14-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO14-S3-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= IO14-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO15-S0-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO15-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO15-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO15-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO15-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO15-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO15-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO15-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec

tmu= 0 start= IO16-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO16-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO16-S1-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO16-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO16-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO16-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO16-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO16-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO17-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO17-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO17-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO17-S1-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO17-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO17-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO17-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO17-S3-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO18-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO18-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO18-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO18-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO18-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO18-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO18-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO18-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO19-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO19-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= IO19-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO19-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO19-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO19-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO19-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO19-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec

tmu= 0 start= IO20-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO20-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO20-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO20-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO20-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO20-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO20-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO20-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO21-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO21-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO21-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO21-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO21-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO21-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO21-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO21-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO22-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO22-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO22-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO22-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO22-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO22-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO22-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO22-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO23-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO23-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO23-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO23-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO23-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO23-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO23-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO23-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO24-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO24-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO24-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO24-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO24-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO24-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO24-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO24-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO25-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO25-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO25-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO25-S1-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec

tmu= 0 start= IO25-S2-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= IO25-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO25-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO25-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO26-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO26-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO26-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO26-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO26-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO26-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO26-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO26-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO27-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO27-S0-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO27-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO27-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO27-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO27-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO27-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO27-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO28-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO28-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO28-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO28-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO28-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO28-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO28-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO28-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO29-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO29-S0-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO29-S1-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO29-S1-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO29-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO29-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO29-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO29-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO30-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO30-S0-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO30-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO30-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO30-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO30-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO30-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO30-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec

tmu= 0 start= IO31-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= IO31-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO31-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= IO31-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO31-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= IO31-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= IO31-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= IO31-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec

Measuring CalRef - Attenuated Receiver Path Delays:

tmu= 0 start= CalRef stop= IO0-S0-RCVLATTN meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO1-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO2-S0-RCVLATTN meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO3-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO4-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO5-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO6-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO7-S0-RCVLATTN meas= -0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO8-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO9-S0-RCVLATTN meas= 0.03 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO10-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO11-S0-RCVLATTN meas= -0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO12-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO13-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO14-S0-RCVLATTN meas= 0.04 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO15-S0-RCVLATTN meas= -0.02 P lim= 2.0 nSec

tmu= 0 start= CalRef stop= IO16-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO17-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO18-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO19-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO20-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO21-S0-RCVLATTN meas= -0.10 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO22-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO23-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO24-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO25-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO26-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO27-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO28-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO29-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO30-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec
tmu= 0 start= CalRef stop= IO31-S0-RCVLATTN meas= -0.02 P lim= 2.0 nSec

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 - - - CHECKING TMU1  - - -
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Measuring CalRef-CalRef Skew:
tmu= 1  start= CalRef-Pos          stop= CalRef-Pos          meas=  -0.01   P  lim=   2.0 nSec


Measuring CalRef-Direct Path Delay:
tmu= 1  start= CalRef              stop= Direct              meas=   0.00   P  lim=   2.0 nSec
tmu= 1  start= Direct              stop= CalRef              meas=  -0.00   P  lim=   2.0 nSec

Measuring CalRef - Receiver Path Delays:

tmu= 1  start= CalRef              stop= IO0-S0-RCVL         meas=   0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO0-S0-RCVH         meas=  -0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO0-S1-RCVL         meas=  -0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO0-S1-RCVH         meas=  -0.02   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO0-S2-RCVL         meas=   0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO0-S2-RCVH         meas=  -0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO0-S3-RCVL         meas=   0.00   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO0-S3-RCVH         meas=  -0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO1-S0-RCVL         meas=   0.00   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO1-S0-RCVH         meas=  -0.00   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO1-S1-RCVL         meas=   0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO1-S1-RCVH         meas=   0.00   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO1-S2-RCVL         meas=   0.02   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO1-S2-RCVH         meas=  -0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO1-S3-RCVL         meas=  -0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO1-S3-RCVH         meas=   0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO2-S0-RCVL         meas=   0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO2-S0-RCVH         meas=  -0.00   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO2-S1-RCVL         meas=  -0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO2-S1-RCVH         meas=  -0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO2-S2-RCVL         meas=  -0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO2-S2-RCVH         meas=   0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO2-S3-RCVL         meas=  -0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO2-S3-RCVH         meas=   0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO3-S0-RCVL         meas=  -0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO3-S0-RCVH         meas=   0.01   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO3-S1-RCVL         meas=  -0.00   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO3-S1-RCVH         meas=   0.03   P  lim=   2.0 nSec
tmu= 1  start= CalRef              stop= IO3-S2-RCVL         meas=  -0.01   P  lim=   2.0 nSec
```

tmu= 1 start= CalRef stop= IO3-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO3-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO3-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO4-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO4-S0-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO4-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO4-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO4-S2-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO4-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO4-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO4-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO5-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO5-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO5-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO5-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO5-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO5-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO5-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO5-S3-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO6-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO6-S0-RCVH meas= -0.04 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO6-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO6-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO6-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO6-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO6-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO6-S3-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO7-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO7-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO7-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO7-S1-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO7-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO7-S2-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO7-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO7-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO8-S0-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO8-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO8-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO8-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO8-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO8-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO8-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO8-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO9-S0-RCVL meas= -0.02 P lim= 2.0 nSec

tmu= 1 start= CalRef stop= IO9-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO9-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO9-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO9-S2-RCVL meas= -0.04 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO9-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO9-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO9-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO10-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO10-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO10-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO10-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO10-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO10-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO10-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO10-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO11-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO11-S0-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO11-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO11-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO11-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO11-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO11-S3-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO11-S3-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO12-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO12-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO12-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO12-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO12-S2-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO12-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO12-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO12-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO13-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO13-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO13-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO13-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO13-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO13-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO13-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO13-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO14-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO14-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO14-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO14-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO14-S2-RCVL meas= -0.02 P lim= 2.0 nSec

tmu= 1 start= CalRef stop= IO14-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO14-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO14-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO15-S0-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO15-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO15-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO15-S1-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO15-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO15-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO15-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO15-S3-RCVH meas= 0.01 P lim= 2.0 nSec

tmu= 1 start= CalRef stop= IO16-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO16-S0-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO16-S1-RCVL meas= 0.00 P lim= 2.0 nSec
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tmu= 1 start= CalRef stop= IO16-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO16-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO16-S3-RCVH meas= -0.00 P lim= 2.0 nSec
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tmu= 1 start= CalRef stop= IO17-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO17-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO17-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO17-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO17-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO17-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO17-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO18-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO18-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO18-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO18-S1-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO18-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO18-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO18-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO18-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO19-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO19-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO19-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO19-S1-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO19-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO19-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO19-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO19-S3-RCVH meas= -0.00 P lim= 2.0 nSec

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tmu= 1 start= CalRef stop= IO20-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO20-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO20-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO20-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO20-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO20-S3-RCVH meas= 0.01 P lim= 2.0 nSec
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tmu= 1 start= CalRef stop= IO21-S0-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO21-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO21-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO21-S2-RCVL meas= -0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO21-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO21-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO21-S3-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO22-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO22-S0-RCVH meas= 0.01 P lim= 2.0 nSec
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tmu= 1 start= CalRef stop= IO22-S2-RCVH meas= -0.01 P lim= 2.0 nSec
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tmu= 1 start= CalRef stop= IO22-S3-RCVH meas= 0.02 P lim= 2.0 nSec
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tmu= 1 start= CalRef stop= IO23-S0-RCVH meas= 0.01 P lim= 2.0 nSec
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tmu= 1 start= CalRef stop= IO23-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO23-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO23-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO23-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO24-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO24-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO24-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO24-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO24-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO24-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO24-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO24-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO25-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO25-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO25-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO25-S1-RCVH meas= 0.00 P lim= 2.0 nSec

tmu= 1 start= CalRef stop= IO25-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO25-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO25-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO25-S3-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO26-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO26-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO26-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO26-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO26-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO26-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO26-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO26-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO27-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO27-S0-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO27-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO27-S1-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO27-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO27-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO27-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO27-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO28-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO28-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO28-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO28-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO28-S2-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO28-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO28-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO28-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO29-S0-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO29-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO29-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO29-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO29-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO29-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO29-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO29-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO30-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO30-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO30-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO30-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO30-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO30-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO30-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO30-S3-RCVH meas= 0.00 P lim= 2.0 nSec

tmu= 1 start= CalRef stop= IO31-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO31-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO31-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO31-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO31-S2-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO31-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO31-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO31-S3-RCVH meas= -0.01 P lim= 2.0 nSec

tmu= 1 start= IO0-S0-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO0-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO0-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO0-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO0-S2-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO0-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO0-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO0-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO1-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO1-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO1-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO1-S1-RCVH stop= CalRef meas= -0.04 P lim= 2.0 nSec
tmu= 1 start= IO1-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO1-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO1-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO1-S3-RCVH stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 1 start= IO2-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO2-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO2-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO2-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO2-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO2-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO2-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO2-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO3-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO3-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO3-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO3-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO3-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO3-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO3-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO3-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO4-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO4-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO4-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec

tmu= 1 start= IO4-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO4-S2-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO4-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO4-S3-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO4-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO5-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO5-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO5-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO5-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO5-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO5-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO5-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO5-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO6-S0-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO6-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO6-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO6-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO6-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO6-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO6-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO6-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO7-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO7-S0-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= IO7-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO7-S1-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= IO7-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO7-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO7-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO7-S3-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= IO8-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO8-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO8-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO8-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO8-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO8-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO8-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO8-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO9-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO9-S0-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= IO9-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO9-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO9-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO9-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO9-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec

tmu= 1 start= IO9-S3-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= IO10-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO10-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO10-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO10-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO10-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO10-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO10-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO10-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO11-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO11-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO11-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO11-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO11-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO11-S2-RCVH stop= CalRef meas= 0.04 P lim= 2.0 nSec
tmu= 1 start= IO11-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO11-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO12-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO12-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO12-S1-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO12-S1-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 1 start= IO12-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO12-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO12-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO12-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO13-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO13-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO13-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO13-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO13-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO13-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO13-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO13-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO14-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO14-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO14-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO14-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO14-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO14-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO14-S3-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO14-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO15-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO15-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO15-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec

tmu= 1 start= IO15-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO15-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO15-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO15-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO15-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec

tmu= 1 start= IO16-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO16-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO16-S1-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO16-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO16-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO16-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO16-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO16-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO17-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO17-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO17-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO17-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO17-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO17-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO17-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO17-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO18-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO18-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO18-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO18-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO18-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO18-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO18-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO18-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO19-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO19-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO19-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO19-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO19-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO19-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO19-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO19-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO20-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO20-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO20-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO20-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO20-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO20-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec

tmu= 1 start= IO20-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO20-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO21-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO21-S0-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO21-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO21-S1-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO21-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO21-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO21-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO21-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO22-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO22-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO22-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO22-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO22-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO22-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO22-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO22-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO23-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO23-S0-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO23-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO23-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO23-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO23-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO23-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO23-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO24-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO24-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO24-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO24-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO24-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO24-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO24-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO24-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO25-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO25-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO25-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO25-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO25-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO25-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO25-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO25-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO26-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO26-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec

tmu= 1 start= IO26-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO26-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO26-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO26-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO26-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO26-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO27-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO27-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO27-S1-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO27-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO27-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO27-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO27-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO27-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO28-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO28-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO28-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO28-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO28-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO28-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO28-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO28-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO29-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO29-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO29-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO29-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO29-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO29-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= IO29-S3-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= IO29-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO30-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO30-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO30-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO30-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO30-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO30-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO30-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= IO30-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= IO31-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO31-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO31-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO31-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO31-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= IO31-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec

tmu= 1 start= IO31-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= IO31-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec

Measuring CalRef - Attenuated Receiver Path Delays:

tmu= 1 start= CalRef stop= IO0-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO1-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO2-S0-RCVLATTN meas= 0.06 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO3-S0-RCVLATTN meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO4-S0-RCVLATTN meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO5-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO6-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO7-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO8-S0-RCVLATTN meas= -0.05 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO9-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO10-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO11-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO12-S0-RCVLATTN meas= -0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO13-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO14-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO15-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec

tmu= 1 start= CalRef stop= IO16-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO17-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO18-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO19-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO20-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO21-S0-RCVLATTN meas= -0.09 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO22-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO23-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO24-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO25-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO26-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO27-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO28-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO29-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO30-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 1 start= CalRef stop= IO31-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec

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- - - CHECKING TMU2 - - -

Measuring CalRef-CalRef Skew:

tmu= 2 start= CalRef-Pos stop= CalRef-Pos meas= -0.00 P lim= 2.0 nSec

Measuring CalRef-Direct Path Delay:

tmu= 2 start= CalRef stop= Direct meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= Direct stop= CalRef meas= 0.00 P lim= 2.0 nSec

Measuring CalRef - Receiver Path Delays:

tmu= 2 start= CalRef stop= IO0-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO0-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO0-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO0-S1-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO0-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO0-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO0-S3-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO0-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO1-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO1-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO1-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO1-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO1-S2-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO1-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO1-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO1-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO2-S0-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO2-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO2-S1-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO2-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO2-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO2-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO2-S3-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO2-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO3-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO3-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO3-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO3-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO3-S2-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO3-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO3-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO3-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO4-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO4-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO4-S1-RCVL meas= 0.01 P lim= 2.0 nSec

tmu= 2 start= CalRef stop= IO4-S1-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO4-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO4-S2-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO4-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO4-S3-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO5-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO5-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO5-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO5-S1-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO5-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO5-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO5-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO5-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO6-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO6-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO6-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO6-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO6-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO6-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO6-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO6-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO7-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO7-S0-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO7-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO7-S1-RCVH meas= -0.04 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO7-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO7-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO7-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO7-S3-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO8-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO8-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO8-S1-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO8-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO8-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO8-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO8-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO8-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO9-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO9-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO9-S1-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO9-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO9-S2-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO9-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO9-S3-RCVL meas= -0.01 P lim= 2.0 nSec

tmu= 2 start= CalRef stop= IO9-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO10-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO10-S0-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO10-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO10-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO10-S2-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO10-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO10-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO10-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO11-S0-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO11-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO11-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO11-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO11-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO11-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO11-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO11-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO12-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO12-S0-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO12-S1-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO12-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO12-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO12-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO12-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO12-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO13-S0-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO13-S0-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO13-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO13-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO13-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO13-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO13-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO13-S3-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO14-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO14-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO14-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO14-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO14-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO14-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO14-S3-RCVL meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO14-S3-RCVH meas= 0.04 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO15-S0-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO15-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO15-S1-RCVL meas= 0.01 P lim= 2.0 nSec

tmu= 2 start= CalRef stop= IO15-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO15-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO15-S2-RCVH meas= 0.04 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO15-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO15-S3-RCVH meas= -0.00 P lim= 2.0 nSec

tmu= 2 start= CalRef stop= IO16-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO16-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO16-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO16-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO16-S2-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO16-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO16-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO16-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO17-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO17-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO17-S1-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO17-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO17-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO17-S2-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO17-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO17-S3-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO18-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO18-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO18-S1-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO18-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO18-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO18-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO18-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO18-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO19-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO19-S0-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO19-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO19-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO19-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO19-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO19-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO19-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO20-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO20-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO20-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO20-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO20-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO20-S2-RCVH meas= -0.00 P lim= 2.0 nSec

tmu= 2 start= CalRef stop= IO20-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO20-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO21-S0-RCVL meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO21-S0-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO21-S1-RCVL meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO21-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO21-S2-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO21-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO21-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO21-S3-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO22-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO22-S0-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO22-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO22-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO22-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO22-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO22-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO22-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO23-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO23-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO23-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO23-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO23-S2-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO23-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO23-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO23-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO24-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO24-S0-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO24-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO24-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO24-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO24-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO24-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO24-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO25-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO25-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO25-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO25-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO25-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO25-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO25-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO25-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO26-S0-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO26-S0-RCVH meas= -0.00 P lim= 2.0 nSec

tmu= 2 start= CalRef stop= IO26-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO26-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO26-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO26-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO26-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO26-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO27-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO27-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO27-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO27-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO27-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO27-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO27-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO27-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO28-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO28-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO28-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO28-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO28-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO28-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO28-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO28-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO29-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO29-S0-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO29-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO29-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO29-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO29-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO29-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO29-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO30-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO30-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO30-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO30-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO30-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO30-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO30-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO30-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO31-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO31-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO31-S1-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO31-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO31-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO31-S2-RCVH meas= 0.02 P lim= 2.0 nSec

tmu= 2 start= CalRef stop= IO31-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO31-S3-RCVH meas= 0.01 P lim= 2.0 nSec

tmu= 2 start= IO0-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO0-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO0-S1-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO0-S1-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO0-S2-RCVL stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= IO0-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO0-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO0-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO1-S0-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO1-S0-RCVH stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= IO1-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO1-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO1-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO1-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO1-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO1-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO2-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO2-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO2-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO2-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO2-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO2-S2-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= IO2-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO2-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO3-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO3-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO3-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO3-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO3-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO3-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO3-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO3-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO4-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO4-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO4-S1-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO4-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO4-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO4-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO4-S3-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= IO4-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO5-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec

tmu= 2 start= IO5-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO5-S1-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO5-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO5-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO5-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO5-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO5-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO6-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO6-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO6-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO6-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO6-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO6-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO6-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO6-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO7-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO7-S0-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO7-S1-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO7-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO7-S2-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= IO7-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO7-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO7-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO8-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO8-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO8-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO8-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO8-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO8-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO8-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO8-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO9-S0-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= IO9-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO9-S1-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO9-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO9-S2-RCVL stop= CalRef meas= -0.04 P lim= 2.0 nSec
tmu= 2 start= IO9-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO9-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO9-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO10-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO10-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO10-S1-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= IO10-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO10-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec

tmu= 2 start= IO10-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO10-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO10-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO11-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO11-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO11-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO11-S1-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= IO11-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO11-S2-RCVH stop= CalRef meas= 0.04 P lim= 2.0 nSec
tmu= 2 start= IO11-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO11-S3-RCVH stop= CalRef meas= 0.04 P lim= 2.0 nSec
tmu= 2 start= IO12-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO12-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO12-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO12-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO12-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO12-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO12-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO12-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO13-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO13-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO13-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO13-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO13-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO13-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO13-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO13-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO14-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO14-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO14-S1-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= IO14-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO14-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO14-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO14-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO14-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO15-S0-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= IO15-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO15-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO15-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO15-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO15-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO15-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO15-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec

tmu= 2 start= IO16-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO16-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO16-S1-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO16-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO16-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO16-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO16-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO16-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO17-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO17-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO17-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO17-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO17-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO17-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO17-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO17-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO18-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO18-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO18-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO18-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO18-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO18-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO18-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO18-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO19-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO19-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO19-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO19-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO19-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO19-S2-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= IO19-S3-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO19-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO20-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO20-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO20-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO20-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO20-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO20-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO20-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO20-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO21-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO21-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO21-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO21-S1-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec

tmu= 2 start= IO21-S2-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO21-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO21-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO21-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO22-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO22-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO22-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO22-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO22-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO22-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO22-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO22-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO23-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO23-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO23-S1-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO23-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO23-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO23-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO23-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO23-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO24-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO24-S0-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO24-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO24-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO24-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO24-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO24-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO24-S3-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO25-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO25-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO25-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO25-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO25-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO25-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO25-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO25-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO26-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO26-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO26-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO26-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO26-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO26-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO26-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO26-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec

tmu= 2 start= IO27-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO27-S0-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO27-S1-RCVL stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= IO27-S1-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO27-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO27-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= IO27-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO27-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO28-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO28-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO28-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO28-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO28-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO28-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO28-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO28-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO29-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO29-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO29-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO29-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO29-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO29-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO29-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO29-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO30-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= IO30-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO30-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO30-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO30-S2-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= IO30-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO30-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO30-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO31-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO31-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO31-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= IO31-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO31-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO31-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= IO31-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= IO31-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec

Measuring CalRef - Attenuated Receiver Path Delays:

tmu= 2 start= CalRef stop= IO0-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec

tmu= 2 start= CalRef stop= IO1-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO2-S0-RCVLATTN meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO3-S0-RCVLATTN meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO4-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO5-S0-RCVLATTN meas= 0.04 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO6-S0-RCVLATTN meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO7-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO8-S0-RCVLATTN meas= -0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO9-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO10-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO11-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO12-S0-RCVLATTN meas= -0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO13-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO14-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO15-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec

tmu= 2 start= CalRef stop= IO16-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO17-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO18-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO19-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO20-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO21-S0-RCVLATTN meas= -0.10 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO22-S0-RCVLATTN meas= 0.03 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO23-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO24-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO25-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO26-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO27-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO28-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO29-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO30-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 2 start= CalRef stop= IO31-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec

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- - - CHECKING TMU3 - - -

Measuring CalRef-CalRef Skew:
tmu= 3 start= CalRef-Pos stop= CalRef-Pos meas= -0.01 P lim= 2.0 nSec

Measuring CalRef-Direct Path Delay:
tmu= 3 start= CalRef stop= Direct meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= Direct stop= CalRef meas= 0.01 P lim= 2.0 nSec

Measuring CalRef - Receiver Path Delays:

tmu= 3	start= CalRef	stop= IO0-S0-RCVL	meas=	-0.02	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO0-S0-RCVH	meas=	0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO0-S1-RCVL	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO0-S1-RCVH	meas=	0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO0-S2-RCVL	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO0-S2-RCVH	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO0-S3-RCVL	meas=	0.03	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO0-S3-RCVH	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO1-S0-RCVL	meas=	0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO1-S0-RCVH	meas=	0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO1-S1-RCVL	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO1-S1-RCVH	meas=	-0.00	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO1-S2-RCVL	meas=	0.03	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO1-S2-RCVH	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO1-S3-RCVL	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO1-S3-RCVH	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO2-S0-RCVL	meas=	0.00	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO2-S0-RCVH	meas=	-0.02	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO2-S1-RCVL	meas=	0.04	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO2-S1-RCVH	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO2-S2-RCVL	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO2-S2-RCVH	meas=	-0.00	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO2-S3-RCVL	meas=	0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO2-S3-RCVH	meas=	0.02	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO3-S0-RCVL	meas=	0.03	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO3-S0-RCVH	meas=	0.02	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO3-S1-RCVL	meas=	-0.00	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO3-S1-RCVH	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO3-S2-RCVL	meas=	0.02	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO3-S2-RCVH	meas=	0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO3-S3-RCVL	meas=	0.00	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO3-S3-RCVH	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO4-S0-RCVL	meas=	0.00	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO4-S0-RCVH	meas=	-0.02	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO4-S1-RCVL	meas=	-0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO4-S1-RCVH	meas=	0.03	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO4-S2-RCVL	meas=	-0.02	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO4-S2-RCVH	meas=	-0.00	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO4-S3-RCVL	meas=	0.01	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO4-S3-RCVH	meas=	0.02	P lim=	2.0 nSec
tmu= 3	start= CalRef	stop= IO5-S0-RCVL	meas=	0.01	P lim=	2.0 nSec

tmu= 3 start= CalRef stop= IO5-S0-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO5-S1-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO5-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO5-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO5-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO5-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO5-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO6-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO6-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO6-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO6-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO6-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO6-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO6-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO6-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO7-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO7-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO7-S1-RCVL meas= 0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO7-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO7-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO7-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO7-S3-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO7-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO8-S0-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO8-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO8-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO8-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO8-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO8-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO8-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO8-S3-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO9-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO9-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO9-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO9-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO9-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO9-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO9-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO9-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO10-S0-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO10-S0-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO10-S1-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO10-S1-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO10-S2-RCVL meas= -0.00 P lim= 2.0 nSec

tmu= 3 start= CalRef stop= IO10-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO10-S3-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO10-S3-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO11-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO11-S0-RCVH meas= -0.04 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO11-S1-RCVL meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO11-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO11-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO11-S2-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO11-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO11-S3-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO12-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO12-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO12-S1-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO12-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO12-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO12-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO12-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO12-S3-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO13-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO13-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO13-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO13-S1-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO13-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO13-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO13-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO13-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO14-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO14-S0-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO14-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO14-S1-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO14-S2-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO14-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO14-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO14-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO15-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO15-S0-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO15-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO15-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO15-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO15-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO15-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO15-S3-RCVH meas= 0.01 P lim= 2.0 nSec

tmu= 3 start= CalRef stop= IO16-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO16-S0-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO16-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO16-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO16-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO16-S2-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO16-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO16-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO17-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO17-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO17-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO17-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO17-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO17-S2-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO17-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO17-S3-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO18-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO18-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO18-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO18-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO18-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO18-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO18-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO18-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO19-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO19-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO19-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO19-S1-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO19-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO19-S2-RCVH meas= 0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO19-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO19-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO20-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO20-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO20-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO20-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO20-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO20-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO20-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO20-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO21-S0-RCVL meas= -0.04 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO21-S0-RCVH meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO21-S1-RCVL meas= -0.05 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO21-S1-RCVH meas= -0.03 P lim= 2.0 nSec

tmu= 3 start= CalRef stop= IO21-S2-RCVL meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO21-S2-RCVH meas= -0.05 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO21-S3-RCVL meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO21-S3-RCVH meas= -0.04 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO22-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO22-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO22-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO22-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO22-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO22-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO22-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO22-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO23-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO23-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO23-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO23-S1-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO23-S2-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO23-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO23-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO23-S3-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO24-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO24-S0-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO24-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO24-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO24-S2-RCVL meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO24-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO24-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO24-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO25-S0-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO25-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO25-S1-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO25-S1-RCVH meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO25-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO25-S2-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO25-S3-RCVL meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO25-S3-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO26-S0-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO26-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO26-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO26-S1-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO26-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO26-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO26-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO26-S3-RCVH meas= 0.00 P lim= 2.0 nSec

tmu= 3 start= CalRef stop= IO27-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO27-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO27-S1-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO27-S1-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO27-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO27-S2-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO27-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO27-S3-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO28-S0-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO28-S0-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO28-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO28-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO28-S2-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO28-S2-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO28-S3-RCVL meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO28-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO29-S0-RCVL meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO29-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO29-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO29-S1-RCVH meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO29-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO29-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO29-S3-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO29-S3-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO30-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO30-S0-RCVH meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO30-S1-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO30-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO30-S2-RCVL meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO30-S2-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO30-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO30-S3-RCVH meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO31-S0-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO31-S0-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO31-S1-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO31-S1-RCVH meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO31-S2-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO31-S2-RCVH meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO31-S3-RCVL meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO31-S3-RCVH meas= 0.01 P lim= 2.0 nSec

tmu= 3 start= IO0-S0-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO0-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO0-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec

tmu= 3 start= IO0-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO0-S2-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO0-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO0-S3-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO0-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO1-S0-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO1-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO1-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO1-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO1-S2-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO1-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO1-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO1-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO2-S0-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO2-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO2-S1-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO2-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO2-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO2-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO2-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO2-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO3-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO3-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO3-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO3-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO3-S2-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO3-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO3-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO3-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO4-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO4-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO4-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO4-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO4-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO4-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO4-S3-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO4-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO5-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO5-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO5-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO5-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO5-S2-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO5-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO5-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec

tmu= 3 start= IO5-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO6-S0-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO6-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO6-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO6-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO6-S2-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO6-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO6-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO6-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO7-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO7-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO7-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO7-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO7-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO7-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO7-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO7-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO8-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO8-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO8-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO8-S1-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO8-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO8-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO8-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO8-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO9-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO9-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO9-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO9-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO9-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO9-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO9-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO9-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO10-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO10-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO10-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO10-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO10-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO10-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO10-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO10-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO11-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO11-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO11-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec

tmu= 3 start= IO11-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO11-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO11-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO11-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO11-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO12-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO12-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO12-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO12-S1-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO12-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO12-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO12-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO12-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO13-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO13-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO13-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO13-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO13-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO13-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO13-S3-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO13-S3-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO14-S0-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO14-S0-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 3 start= IO14-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO14-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO14-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO14-S2-RCVH stop= CalRef meas= 0.03 P lim= 2.0 nSec
tmu= 3 start= IO14-S3-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO14-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO15-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO15-S0-RCVH stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= IO15-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO15-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO15-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO15-S2-RCVH stop= CalRef meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= IO15-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO15-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec

tmu= 3 start= IO16-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO16-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO16-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO16-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO16-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO16-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec

tmu= 3 start= IO16-S3-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO16-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO17-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO17-S0-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO17-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO17-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO17-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO17-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO17-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO17-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO18-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO18-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO18-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO18-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO18-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO18-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO18-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO18-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO19-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO19-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO19-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO19-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO19-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO19-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO19-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO19-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO20-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO20-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO20-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO20-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO20-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO20-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO20-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO20-S3-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO21-S0-RCVL stop= CalRef meas= -0.09 P lim= 2.0 nSec
tmu= 3 start= IO21-S0-RCVH stop= CalRef meas= -0.08 P lim= 2.0 nSec
tmu= 3 start= IO21-S1-RCVL stop= CalRef meas= -0.08 P lim= 2.0 nSec
tmu= 3 start= IO21-S1-RCVH stop= CalRef meas= -0.07 P lim= 2.0 nSec
tmu= 3 start= IO21-S2-RCVL stop= CalRef meas= -0.08 P lim= 2.0 nSec
tmu= 3 start= IO21-S2-RCVH stop= CalRef meas= -0.07 P lim= 2.0 nSec
tmu= 3 start= IO21-S3-RCVL stop= CalRef meas= -0.08 P lim= 2.0 nSec
tmu= 3 start= IO21-S3-RCVH stop= CalRef meas= -0.07 P lim= 2.0 nSec
tmu= 3 start= IO22-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO22-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec

tmu= 3 start= IO22-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO22-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO22-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO22-S2-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO22-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO22-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO23-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO23-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO23-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO23-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO23-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO23-S2-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO23-S3-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO23-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO24-S0-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO24-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO24-S1-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO24-S1-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO24-S2-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO24-S2-RCVH stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO24-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO24-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO25-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO25-S0-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO25-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO25-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO25-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO25-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO25-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO25-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO26-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO26-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO26-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO26-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO26-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO26-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO26-S3-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO26-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO27-S0-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO27-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO27-S1-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO27-S1-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO27-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO27-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec

tmu= 3 start= IO27-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO27-S3-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO28-S0-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO28-S0-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO28-S1-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO28-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO28-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO28-S2-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO28-S3-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO28-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO29-S0-RCVL stop= CalRef meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= IO29-S0-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO29-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO29-S1-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO29-S2-RCVL stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO29-S2-RCVH stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO29-S3-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO29-S3-RCVH stop= CalRef meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= IO30-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO30-S0-RCVH stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO30-S1-RCVL stop= CalRef meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= IO30-S1-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO30-S2-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO30-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO30-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO30-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO31-S0-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO31-S0-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO31-S1-RCVL stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO31-S1-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO31-S2-RCVL stop= CalRef meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= IO31-S2-RCVH stop= CalRef meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= IO31-S3-RCVL stop= CalRef meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= IO31-S3-RCVH stop= CalRef meas= 0.01 P lim= 2.0 nSec

Measuring CalRef - Attenuated Receiver Path Delays:

tmu= 3 start= CalRef stop= IO0-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO1-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO2-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO3-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO4-S0-RCVLATTN meas= -0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO5-S0-RCVLATTN meas= 0.03 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO6-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec

tmu= 3 start= CalRef stop= IO7-S0-RCVLATTN meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO8-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO9-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO10-S0-RCVLATTN meas= -0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO11-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO12-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO13-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO14-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO15-S0-RCVLATTN meas= -0.03 P lim= 2.0 nSec

tmu= 3 start= CalRef stop= IO16-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO17-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO18-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO19-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO20-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO21-S0-RCVLATTN meas= -0.12 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO22-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO23-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO24-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO25-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO26-S0-RCVLATTN meas= -0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO27-S0-RCVLATTN meas= 0.00 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO28-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO29-S0-RCVLATTN meas= 0.02 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO30-S0-RCVLATTN meas= -0.01 P lim= 2.0 nSec
tmu= 3 start= CalRef stop= IO31-S0-RCVLATTN meas= 0.01 P lim= 2.0 nSec
Last Calibration Date: 10/26/22 15:13.17
(10/26/22 15:14.45 - CAL REV:2015) CHK STATUS: PASS
END OF LAP TIME: 10/26/22 15:16:51

ETS-364 CALIBRATION TEST RESULTS

SLOT	BOARD	RESULT CAL	RESULT CHK	SLOT	BOARD	RESULT CAL	RESULT CHK
0	SPU100	P	P	19	QMS	P	P
1	SPU100	P	P	24	QMS	P	P
2	SPU100	P	P	25	QMS	P	P
3	SPU100	P	P	36	MPU	P	P
6	APU12	P	P	134	MCU	P	P
7	APU12	P	P	0	QTMU	P	P
12	APU12	P	P	0	DPU_16	P	P
13	APU12	P	P	1	DPU_16	P	FAIL
18	QMS	P	P	169	DIG INTEG	P	P

Lap Count = 1
Start Time = 10/26/22 11:56:31
Finish Time = 10/26/22 15:16:51