

RUNNING ETS-364 LEVEL 1 DIAGNOSTICS
Revision 2015A [2015.1.5.18], 05/05/17
USING ASM3606 R3.0(SW), ASM3606 R3.0(HW)

START OF TEST TIME: 07/06/22 12:37:38

37 - Smart Pin Unit-100 Test --- (2 SPU100s to Test)
Testing SPU-100 Serial#

37I VMeter-10V,1X w/SPU-1	EXP=-5.00000 V	ACT=-0.00137 V	SPU 00
37I VM Dig-10V,1X w/SPU-1	EXP=-5.00000 V	ACT=-0.00273 V	SPU 00
37I VMeter-10V,1X w/SPU-1	EXP= 5.00000 V	ACT=-0.00826 V	SPU 00
37I VM Dig-10V,1X w/SPU-1	EXP= 5.00000 V	ACT=-0.01025 V	SPU 00
37I VMeter-10V,10X w/SPU-1	EXP=-500.000mV	ACT= -2.050mV	SPU 00
37I VM Dig-10V,10X w/SPU-1	EXP=-500.000mV	ACT= -3.821mV	SPU 00
37I VMeter-10V,10X w/SPU-1	EXP= 500.000mV	ACT= -9.170mV	SPU 00
37I VM Dig-10V,10X w/SPU-1	EXP= 500.000mV	ACT= -11.208mV	SPU 00
37I VMeter-10V,100X w/SPU-1	EXP= -50.000mV	ACT= -1.999mV	SPU 00
37I VM Dig-10V,100X w/SPU-1	EXP= -50.000mV	ACT= -3.776mV	SPU 00
37I VMeter-10V,100X w/SPU-1	EXP= 50.000mV	ACT= -8.821mV	SPU 00
37I VM Dig-10V,100X w/SPU-1	EXP= 50.000mV	ACT= -10.663mV	SPU 00
37I VMeter-30V,1X w/SPU-1	EXP= -15.000 V	ACT= -0.002 V	SPU 00
37I VM Dig-30V,1X w/SPU-1	EXP= -15.000 V	ACT= -0.003 V	SPU 00
37I VMeter-30V,1X w/SPU-1	EXP= 15.000 V	ACT= -0.007 V	SPU 00
37I VM Dig-30V,1X w/SPU-1	EXP= 15.000 V	ACT= -0.010 V	SPU 00
37I VMeter-30V,10X w/SPU-1	EXP=-1.50000 V	ACT=-0.00192 V	SPU 00
37I VM Dig-30V,10X w/SPU-1	EXP=-1.50000 V	ACT=-0.00296 V	SPU 00
37I VMeter-30V,10X w/SPU-1	EXP= 1.50000 V	ACT=-0.00687 V	SPU 00
37I VM Dig-30V,10X w/SPU-1	EXP= 1.50000 V	ACT=-0.00857 V	SPU 00
37I VMeter-30V,100X w/SPU-1	EXP=-150.000mV	ACT= -1.733mV	SPU 00
37I VM Dig-30V,100X w/SPU-1	EXP=-150.000mV	ACT= -2.665mV	SPU 00
37I VMeter-30V,100X w/SPU-1	EXP= 150.000mV	ACT= -6.134mV	SPU 00
37I VM Dig-30V,100X w/SPU-1	EXP= 150.000mV	ACT= -7.837mV	SPU 00
37I VMeter-100V,1X w/SPU-1	EXP= -15.000 V	ACT= -0.001 V	SPU 00
37I VM Dig-100V,1X w/SPU-1	EXP= -15.000 V	ACT= -0.002 V	SPU 00
37I VMeter-100V,1X w/SPU-1	EXP= 15.000 V	ACT= -0.006 V	SPU 00
37I VM Dig-100V,1X w/SPU-1	EXP= 15.000 V	ACT= -0.006 V	SPU 00
37I VMeter-100V,10X w/SPU-1	EXP=-5.00000 V	ACT=-0.00093 V	SPU 00
37I VM Dig-100V,10X w/SPU-1	EXP=-5.00000 V	ACT=-0.00142 V	SPU 00
37I VMeter-100V,10X w/SPU-1	EXP= 5.00000 V	ACT=-0.00520 V	SPU 00
37I VM Dig-100V,10X w/SPU-1	EXP= 5.00000 V	ACT=-0.00577 V	SPU 00
37I VMeter-100V,100X w/SPU-1	EXP=-500.000mV	ACT= -0.915mV	SPU 00

37I VM Dig-100V,100X w/SPU-1 EXP=-500.000mV ACT= -1.401mV SPU 00
37I VMeter-100V,100X w/SPU-1 EXP= 500.000mV ACT= -4.760mV SPU 00
37I VM Dig-100V,100X w/SPU-1 EXP= 500.000mV ACT= -5.238mV SPU 00
37I VMeter-1KV,1X w/SPU-1 EXP= -50.000 V ACT= -0.017 V SPU 00
37I VM Dig-1KV,1X w/SPU-1 EXP= -50.000 V ACT= -0.035 V SPU 00
37I VMeter-1KV,1X w/SPU-1 EXP= 50.000 V ACT= -0.040 V SPU 00
37I VM Dig-1KV,1X w/SPU-1 EXP= 50.000 V ACT= -0.042 V SPU 00
37I VMeter-1KV,10X w/SPU-1 EXP= -50.000 V ACT= 0.001 V SPU 00
37I VM Dig-1KV,10X w/SPU-1 EXP= -50.000 V ACT= -0.000 V SPU 00
37I VMeter-1KV,10X w/SPU-1 EXP= 50.000 V ACT= 0.001 V SPU 00
37I VM Dig-1KV,10X w/SPU-1 EXP= 50.000 V ACT= 0.001 V SPU 00
37I VMeter-1KV,100X w/SPU-1 EXP=-5.00000 V ACT= 0.00077 V SPU 00
37I VM Dig-1KV,100X w/SPU-1 EXP=-5.00000 V ACT=-0.00018 V SPU 00
37I VMeter-1KV,100X w/SPU-1 EXP= 5.00000 V ACT=-0.00022 V SPU 00
37I VM Dig-1KV,100X w/SPU-1 EXP= 5.00000 V ACT= 0.00041 V SPU 00
37I Pedstl-100V,1X w/SP-1 EXP= -20.000 V ACT= -0.287 V SPU 00
37I Pedstl-100V,1X w/SP-1 EXP= 20.000 V ACT= 0.267 V SPU 00
37I Pedstl-100V,10X w/SP-1 EXP= -20.000 V ACT= -9.528 V SPU 00
37I Pedstl-100V,10X w/SP-1 EXP= 20.000 V ACT= 9.649 V SPU 00
37I Pedstl-30V,1X w/SP-1 EXP=-6.00000 V ACT=-0.08839 V SPU 00
37I Pedstl-30V,1X w/SP-1 EXP= 6.00000 V ACT= 0.07360 V SPU 00
37I Pedstl-30V,10X w/SP-1 EXP=-6.00000 V ACT=-2.78195 V SPU 00
37I Pedstl-30V,10X w/SP-1 EXP= 6.00000 V ACT= 2.97792 V SPU 00
37I Pedstl-10V,1X w/SP-1 EXP=-2.00000 V ACT=-0.03097 V SPU 00
37I Pedstl-10V,1X w/SP-1 EXP= 2.00000 V ACT= 0.01933 V SPU 00
37I Pedstl-10V,10X w/SP-1 EXP=-2.00000 V ACT=-0.82982 V SPU 00
37I Pedstl-10V,10X w/SP-1 EXP= 2.00000 V ACT= 1.08993 V SPU 00
37I Pedstl-10V,100X w/SP-1 EXP=-2.00000 V ACT=-1.80015 V SPU 00

END OF TEST TIME: 07/06/22 12:38:17

ETS-364 LEVEL 1 DIAGNOSTICS TEST RESULTS

Test BOARD	RESULT	Test BOARD	RESULT
01 - PCIB	N/A	10 - ICOM 28->18	N/A
02 - Primary THIB	N/A	10 - ICOM 29->19	N/A
04 - First CBIT64	N/A	10 - ICOM 30	N/A
07 - Master Clock	N/A	10 - ICOM 31	N/A
10 - ICOM 00	N/A	10 - ICOM 48	N/A
10 - ICOM 01	N/A	10 - ICOM 49	N/A
10 - ICOM 02->00	N/A	10 - ICOM 50	N/A
10 - ICOM 03->01	N/A	10 - ICOM 51	N/A
10 - ICOM 04	N/A	10 - ICOM 52	N/A
10 - ICOM 05	N/A	10 - ICOM 53	N/A
10 - ICOM 06	N/A	10 - ICOM 54	N/A
10 - ICOM 07	N/A	10 - ICOM 55	N/A
10 - ICOM 08	N/A	10 - ICOM 56	N/A
10 - ICOM 09	N/A	10 - ICOM 57	N/A
10 - ICOM 10->06	N/A	10 - ICOM 58	N/A

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10 - ICOM   11->07       N/A   |   10 - ICOM   59          N/A   |
10 - ICOM   12           N/A   |   10 - ICOM   60          N/A   |
10 - ICOM   13           N/A   |   10 - ICOM   61          N/A   |
10 - ICOM   14           N/A   |   10 - ICOM   62          N/A   |
10 - ICOM   15           N/A   |   10 - ICOM   63          N/A   |
10 - ICOM   16->12       N/A   |   30 - QMS 18             N/A   |
10 - ICOM   17->13       N/A   |   30 - QMS 19             N/A   |
10 - ICOM   18           N/A   |   30 - QMS 24             N/A   |
10 - ICOM   19           N/A   |   30 - QMS 25             N/A   |
10 - ICOM   20           N/A   |   37 - SPU100 00          ????  |
10 - ICOM   21           N/A   |   37 - SPU100 01          P     |
10 - ICOM   22->24       N/A   |   40 - QTMU 0             N/A   |
10 - ICOM   23->25       N/A   |   44 - APU12 06           N/A   |
10 - ICOM   24           N/A   |   44 - APU12 07           N/A   |
10 - ICOM   25           N/A   |   44 - APU12 12           N/A   |
10 - ICOM   26           N/A   |   44 - APU12 13           N/A   |
10 - ICOM   27           N/A   |
            Lap Count   = 1
            Start Time  = 07/06/22  12:37:38
            Finish Time = 07/06/22  12:38:17
                 RUNNING ETS-364 LEVEL 1 DIAGNOSTICS
                Revision 2015A [2015.1.5.18], 05/05/17
                USING ASM3606 R3.0(SW), ASM3606 R3.0(HW)

START OF TEST TIME:     07/06/22  12:38:39

 1 - PC Interface Board Test --- (1 PCIB to Test)
 2 - Testhead Interface Board Test --- (1 THIB to Test)
 4 - Control Bits Test --- (64 CBITs to Test)
 7 - Master Clock Unit Test --- (1 MCU to Test)
Testing MCU Serial#
10 - Isolated Communication Board Test --- (48 ICOMs to Test)
30 - Quad Measurement System Test --- (4 QMSs to Test)
Testing QMS Serial#
Testing QMS Serial#
Testing QMS Serial#
Testing QMS Serial#

END OF TEST TIME:       07/06/22  12:40:33
                ETS-364 LEVEL 1 DIAGNOSTICS TEST RESULTS


Test BOARD              RESULT   |   Test BOARD            RESULT
01 - PCIB               P    |   10 - ICOM   28->18       P    |
02 - Primary THIB       P    |   10 - ICOM   29->19       P    |
04 - First CBIT64       P    |   10 - ICOM   30           P    |
07 - Master Clock       P    |   10 - ICOM   31           P    |
10 - ICOM   00          P    |   10 - ICOM   48           P    |
10 - ICOM   01          P    |   10 - ICOM   49           P    |
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10 - ICOM   02->00       P   |  10 - ICOM   50          P   |
10 - ICOM   03->01       P   |  10 - ICOM   51          P   |
10 - ICOM   04          P   |  10 - ICOM   52          P   |
10 - ICOM   05          P   |  10 - ICOM   53          P   |
10 - ICOM   06          P   |  10 - ICOM   54          P   |
10 - ICOM   07          P   |  10 - ICOM   55          P   |
10 - ICOM   08          P   |  10 - ICOM   56          P   |
10 - ICOM   09          P   |  10 - ICOM   57          P   |
10 - ICOM   10->06       P   |  10 - ICOM   58          P   |
10 - ICOM   11->07       P   |  10 - ICOM   59          P   |
10 - ICOM   12          P   |  10 - ICOM   60          P   |
10 - ICOM   13          P   |  10 - ICOM   61          P   |
10 - ICOM   14          P   |  10 - ICOM   62          P   |
10 - ICOM   15          P   |  10 - ICOM   63          P   |
10 - ICOM   16->12       P   |  30 - QMS 18            P   |
10 - ICOM   17->13       P   |  30 - QMS 19            P   |
10 - ICOM   18          P   |  30 - QMS 24            P   |
10 - ICOM   19          P   |  30 - QMS 25            P   |
10 - ICOM   20          P   |  37 - SPU100 00         N/A   |
10 - ICOM   21          P   |  37 - SPU100 01         N/A   |
10 - ICOM   22->24       P   |  40 - QTMU 0            N/A   |
10 - ICOM   23->25       P   |  44 - APU12 06          N/A   |
10 - ICOM   24          P   |  44 - APU12 07          N/A   |
10 - ICOM   25          P   |  44 - APU12 12          N/A   |
10 - ICOM   26          P   |  44 - APU12 13          N/A   |
10 - ICOM   27          P   |
          Lap Count   = 1
          Start Time  = 07/06/22  12:38:39
          Finish Time = 07/06/22  12:40:33
               RUNNING ETS-364 LEVEL 1 DIAGNOSTICS
              Revision 2015A [2015.1.5.18], 05/05/17
              USING ASM3606 R3.0(SW), ASM3606 R3.0(HW)

START OF TEST TIME:     07/06/22  13:04:25

25 - Medium Power Unit Test --- (1 MPU Channel to Test)
Testing MPU Serial#
25U HC Normal FI to diag. Id=10K                    EXP= 500.000uA       ACT=   5.715uA          MPU 36
25U HC Normal FI to diag. Id=10K KelvinLO Alarm      EXP= 0000            ACT= 0001             MPU 36
25U HC Normal FI to diag. Id=10K KelvinHI Alarm      EXP= 0000            ACT= 0001             MPU 36
25U HC FH output K1..K11 shorted? KelvinLO Alarm     EXP= 0000            ACT= 0001             MPU 36
25U HC SoftFH output K11 opened?                    EXP= 500.000uA       ACT=   5.718uA        MPU 36
25U HC SoftFH output K11 opened?   KelvinLO Alarm    EXP= 0000            ACT= 0001             MPU 36
25U HC FH output K1..K10 opened?                    EXP= 500.000uA       ACT=   5.701uA        MPU 36
25U HC FH output K1..K10 opened?   KelvinLO Alarm    EXP= 0000            ACT= 0001             MPU 36
25U HC FH output K1..K10 opened?   KelvinHI Alarm    EXP= 0000            ACT= 0001             MPU 36
25U HC SH output K12 shorted?      KelvinLO Alarm    EXP= 0000            ACT= 0001             MPU 36
25U HC FL output K1..K11 shorted?  KelvinHI Alarm    EXP= 0000            ACT= 0001             MPU 36
25U HC FL output K1..K10 opened?                    EXP= 500.000uA       ACT=   5.692uA        MPU 36
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25U HC FL output K1..K10 opened?   KelvinHI Alarm      EXP= 0000            ACT= 0001          MPU 36
25U HC SoftFL output K11 opened?                      EXP= 500.000uA       ACT=   5.692uA     MPU 36
25U HC SoftFL output K11 opened?   KelvinLO Alarm      EXP= 0000            ACT= 0001          MPU 36
25U HC SoftFL output K11 opened?   KelvinHI Alarm      EXP= 0000            ACT= 0001          MPU 36
25U HC SL output K12 shorted?      KelvinHI Alarm      EXP= 0000            ACT= 0001          MPU 36
25U HC Diag. FH/SH opened. FH/SH short? KelvinLO Alarm EXP= 0000      ACT= 0001          MPU 36
25U HC Diag. FL/SL opened. FL/SH short? KelvinHI Alarm EXP= 0000      ACT= 0001          MPU 36

END OF TEST TIME:       07/06/22  13:05:09
              ETS-364 LEVEL 1 DIAGNOSTICS TEST RESULTS


Test BOARD            RESULT   |   Test BOARD           RESULT
01 - PCIB             N/A   |   10 - ICOM   28->18       N/A   |
02 - Primary THIB       N/A   |   10 - ICOM   29->19       N/A   |
04 - First CBIT64       N/A   |   10 - ICOM   30           N/A   |
07 - Master Clock       N/A   |   10 - ICOM   31           N/A   |
10 - ICOM   00          N/A   |   10 - ICOM   48           N/A   |
10 - ICOM   01          N/A   |   10 - ICOM   49           N/A   |
10 - ICOM   02->00        N/A   |   10 - ICOM   50           N/A   |
10 - ICOM   03->01        N/A   |   10 - ICOM   51           N/A   |
10 - ICOM   04          N/A   |   10 - ICOM   52->36       N/A   |
10 - ICOM   05          N/A   |   10 - ICOM   53           N/A   |
10 - ICOM   06          N/A   |   10 - ICOM   54           N/A   |
10 - ICOM   07          N/A   |   10 - ICOM   55           N/A   |
10 - ICOM   08          N/A   |   10 - ICOM   56           N/A   |
10 - ICOM   09          N/A   |   10 - ICOM   57           N/A   |
10 - ICOM   10->06        N/A   |   10 - ICOM   58           N/A   |
10 - ICOM   11->07        N/A   |   10 - ICOM   59           N/A   |
10 - ICOM   12          N/A   |   10 - ICOM   60           N/A   |
10 - ICOM   13          N/A   |   10 - ICOM   61           N/A   |
10 - ICOM   14          N/A   |   10 - ICOM   62           N/A   |
10 - ICOM   15          N/A   |   10 - ICOM   63           N/A   |
10 - ICOM   16->12        N/A   |   25 - MPU 36            ????   |
10 - ICOM   17->13        N/A   |   30 - QMS 18              N/A   |
10 - ICOM   18          N/A   |   30 - QMS 19            N/A   |
10 - ICOM   19          N/A   |   30 - QMS 24            N/A   |
10 - ICOM   20          N/A   |   30 - QMS 25            N/A   |
10 - ICOM   21          N/A   |   37 - SPU100 00           N/A   |
10 - ICOM   22->24        N/A   |   37 - SPU100 01           N/A   |
10 - ICOM   23->25        N/A   |   40 - QTMU 0              N/A   |
10 - ICOM   24          N/A   |   44 - APU12 06          N/A   |
10 - ICOM   25          N/A   |   44 - APU12 07          N/A   |
10 - ICOM   26          N/A   |   44 - APU12 12          N/A   |
10 - ICOM   27          N/A   |   44 - APU12 13          N/A   |
          Lap Count   = 1
          Start Time  = 07/06/22  13:04:25
          Finish Time = 07/06/22  13:05:09
               RUNNING ETS-364 LEVEL 1 DIAGNOSTICS
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Revision 2015A [2015.1.5.18], 05/05/17
USING ASM3606 R3.0(SW), ASM3606 R3.0(HW)

START OF TEST TIME: 07/06/22 13:06:55

25 - Medium Power Unit Test --- (1 MPU Channel to Test)
Testing MPU Serial#

END OF TEST TIME: 07/06/22 13:07:39

ETS-364 LEVEL 1 DIAGNOSTICS TEST RESULTS

Test BOARD	RESULT	Test BOARD	RESULT
01 - PCIB	N/A	10 - ICOM 28->18	N/A
02 - Primary THIB	N/A	10 - ICOM 29->19	N/A
04 - First CBIT64	N/A	10 - ICOM 30	N/A
07 - Master Clock	N/A	10 - ICOM 31	N/A
10 - ICOM 00	N/A	10 - ICOM 48	N/A
10 - ICOM 01	N/A	10 - ICOM 49	N/A
10 - ICOM 02->00	N/A	10 - ICOM 50	N/A
10 - ICOM 03->01	N/A	10 - ICOM 51	N/A
10 - ICOM 04	N/A	10 - ICOM 52->36	N/A
10 - ICOM 05	N/A	10 - ICOM 53	N/A
10 - ICOM 06	N/A	10 - ICOM 54	N/A
10 - ICOM 07	N/A	10 - ICOM 55	N/A
10 - ICOM 08	N/A	10 - ICOM 56	N/A
10 - ICOM 09	N/A	10 - ICOM 57	N/A
10 - ICOM 10->06	N/A	10 - ICOM 58	N/A
10 - ICOM 11->07	N/A	10 - ICOM 59	N/A
10 - ICOM 12	N/A	10 - ICOM 60	N/A
10 - ICOM 13	N/A	10 - ICOM 61	N/A
10 - ICOM 14	N/A	10 - ICOM 62	N/A
10 - ICOM 15	N/A	10 - ICOM 63	N/A
10 - ICOM 16->12	N/A	25 - MPU 36	P
10 - ICOM 17->13	N/A	30 - QMS 18	N/A
10 - ICOM 18	N/A	30 - QMS 19	N/A
10 - ICOM 19	N/A	30 - QMS 24	N/A
10 - ICOM 20	N/A	30 - QMS 25	N/A
10 - ICOM 21	N/A	37 - SPU100 00	N/A
10 - ICOM 22->24	N/A	37 - SPU100 01	N/A
10 - ICOM 23->25	N/A	40 - QTMU 0	N/A
10 - ICOM 24	N/A	44 - APU12 06	N/A
10 - ICOM 25	N/A	44 - APU12 07	N/A
10 - ICOM 26	N/A	44 - APU12 12	N/A
10 - ICOM 27	N/A	44 - APU12 13	N/A

Lap Count = 1
Start Time = 07/06/22 13:06:55
Finish Time = 07/06/22 13:07:39

RUNNING ETS-364 LEVEL 1 DIAGNOSTICS

Revision 2015A [2015.1.5.18], 05/05/17
USING ASM3606 R3.0(SW), ASM3606 R3.0(HW)

START OF TEST TIME: 07/06/22 13:31:43

26 - Analog Pin Unit Test --- (7 APU Boards to Test)
Testing APU Serial#
Testing APU Serial#
26D PIN TO VI OPEN EXP= 15.000 V ACT= 4.483 V AP9 /15-1
26D Force & Sense K4,30 or 31 EXP= 1.50000mA ACT= 0.87840mA AP9 /15-1
Testing APU Serial#
Testing APU Serial#
26D PIN TO VI OPEN EXP= 15.000 V ACT= -30.692 V AP24/23-0
26D Force & Sense K1,28 or 29 EXP= 1.500mA ACT= -10.268mA AP24/23-0
26D PIN CONNECT Force Short K28 EXP= 0.000mA ACT= -10.165mA AP24/23-0
26D OUTMUX Force Short K1 EXP= 0.000mA ACT= -10.165mA AP24/23-0
26D OPEN F/S Short EXP= 25.000 V ACT= -30.692 V AP24/23-0
26D PIN CONNECT Sense K29 EXP= 0.00000mA ACT=-9.96052mA AP24/23-0
26D OUTMUX Sense K1 EXP= 0.000mA ACT= -10.071mA AP24/23-0
26D PIN TO VI OPEN EXP= 15.000 V ACT= -30.690 V AP25/23-1
26D Force & Sense K4,30 or 31 EXP= 1.500mA ACT= -10.215mA AP25/23-1
26D PIN CONNECT Force Short K30 EXP= 0.000mA ACT= -10.266mA AP25/23-1
26D OUTMUX Force Short K4 EXP= 0.000mA ACT= -10.164mA AP25/23-1
26D OPEN F/S Short EXP= 25.000 V ACT= -30.690 V AP25/23-1
26D PIN CONNECT Sense K31 EXP= 0.000mA ACT= -10.266mA AP25/23-1
26D OUTMUX Sense K4 EXP= 0.000mA ACT= -10.266mA AP25/23-1
26D PIN TO VI OPEN EXP= 15.000 V ACT= -30.684 V AP26/23-2
26D Force & Sense K7,32 or 33 EXP= 1.500mA ACT= -10.110mA AP26/23-2
26D PIN CONNECT Force Short K32 EXP= 0.000mA ACT= -10.064mA AP26/23-2
26D OUTMUX Force Short K7 EXP= 0.000mA ACT= -10.162mA AP26/23-2
26D OPEN F/S Short EXP= 25.000 V ACT= -30.684 V AP26/23-2
26D PIN CONNECT Sense K33 EXP= 0.000mA ACT= -10.265mA AP26/23-2
26D OUTMUX Sense K7 EXP= 0.000mA ACT= -10.265mA AP26/23-2
26D PIN TO VI OPEN EXP= 15.000 V ACT= -30.695 V AP27/23-3
26D Force & Sense K10,34 or 35 EXP= 1.500mA ACT= -10.061mA AP27/23-3
26D PIN CONNECT Force Short K34 EXP= 0.000mA ACT= -10.061mA AP27/23-3
26D OUTMUX Force Short K10 EXP= 0.000mA ACT= -10.266mA AP27/23-3
26D OPEN F/S Short EXP= 25.000 V ACT= -30.695 V AP27/23-3
26D PIN CONNECT Sense K35 EXP= 0.000mA ACT= -10.267mA AP27/23-3
26D OUTMUX Sense K10 EXP= 0.000mA ACT= -10.062mA AP27/23-3
26D PIN TO VI OPEN EXP= 15.000 V ACT= -30.684 V AP28/23-4
26D Force & Sense K13,36 or 37 EXP= 1.500mA ACT= -10.099mA AP28/23-4
26D PIN CONNECT Force Short K36 EXP= 0.00000mA ACT=-9.95784mA AP28/23-4
26D OUTMUX Force Short K13 EXP= 0.000mA ACT= -10.266mA AP28/23-4
26D OPEN F/S Short EXP= 25.000 V ACT= -30.684 V AP28/23-4
26D PIN CONNECT Sense K37 EXP= 0.000mA ACT= -10.173mA AP28/23-4
26D OUTMUX Sense K13 EXP= 0.000mA ACT= -10.112mA AP28/23-4
26D PIN TO VI OPEN EXP= 15.000 V ACT= -30.691 V AP29/23-5
26D Force & Sense K16,38 or 39 EXP= 1.500mA ACT= -10.265mA AP29/23-5

26D PIN CONNECT Force Short K38 EXP= 0.000mA ACT= -10.265mA AP29/23-5
26D OUTMUX Force Short K16 EXP= 0.000mA ACT= -10.163mA AP29/23-5
26D OPEN F/S Short EXP= 25.000 V ACT= -30.691 V AP29/23-5
26D PIN CONNECT Sense K39 EXP= 0.000mA ACT= -10.112mA AP29/23-5
26D OUTMUX Sense K16 EXP= 0.000mA ACT= -10.266mA AP29/23-5
26D PIN TO VI OPEN EXP= 15.000 V ACT= -30.686 V AP30/23-6
26D Force & Sense K19,40 or 41 EXP= 1.500mA ACT= -10.266mA AP30/23-6
26D PIN CONNECT Force Short K40 EXP= 0.000mA ACT= -10.266mA AP30/23-6
26D OUTMUX Force Short K19 EXP= 0.000mA ACT= -10.164mA AP30/23-6
26D OPEN F/S Short EXP= 25.000 V ACT= -30.686 V AP30/23-6
26D PIN CONNECT Sense K41 EXP= 0.000mA ACT= -10.164mA AP30/23-6
26D OUTMUX Sense K19 EXP= 0.00000mA ACT=-9.99712mA AP30/23-6
26D PIN TO VI OPEN EXP= 15.000 V ACT= -30.691 V AP31/23-7
26D Force & Sense K22,42 or 43 EXP= 1.500mA ACT= -10.269mA AP31/23-7
26D PIN CONNECT Force Short K42 EXP= 0.000mA ACT= -10.269mA AP31/23-7
26D OUTMUX Force Short K22 EXP= 0.000mA ACT= -10.115mA AP31/23-7
26D OPEN F/S Short EXP= 25.000 V ACT= -30.691 V AP31/23-7
26D PIN CONNECT Sense K43 EXP= 0.00000mA ACT=-9.94888mA AP31/23-7
26D OUTMUX Sense K22 EXP= 0.00000mA ACT=-9.96216mA AP31/23-7
Testing APU Serial#
Testing APU Serial#
Testing APU Serial#

END OF TEST TIME: 07/06/22 13:33:53
ETS-364 LEVEL 1 DIAGNOSTICS TEST RESULTS

Test BOARD	RESULT	Test BOARD	RESULT
01 - PCIB	N/A	10 - ICOM 30	N/A
02 - Primary THIB	N/A	10 - ICOM 31->23	N/A
04 - First CBIT64	N/A	10 - ICOM 48	N/A
07 - Master Clock	N/A	10 - ICOM 49->29	N/A
10 - ICOM 00	N/A	10 - ICOM 50	N/A
10 - ICOM 01	N/A	10 - ICOM 51->33	N/A
10 - ICOM 02->00	N/A	10 - ICOM 52->36	N/A
10 - ICOM 03->01	N/A	10 - ICOM 53	N/A
10 - ICOM 04	N/A	10 - ICOM 54	N/A
10 - ICOM 05	N/A	10 - ICOM 55	N/A
10 - ICOM 06	N/A	10 - ICOM 56	N/A
10 - ICOM 07	N/A	10 - ICOM 57	N/A
10 - ICOM 08	N/A	10 - ICOM 58	N/A
10 - ICOM 09	N/A	10 - ICOM 59->31	N/A
10 - ICOM 10	N/A	10 - ICOM 60	N/A
10 - ICOM 11	N/A	10 - ICOM 61	N/A
10 - ICOM 12	N/A	10 - ICOM 62	N/A
10 - ICOM 13->11	N/A	10 - ICOM 63	N/A
10 - ICOM 14	N/A	12 - FR Bus Loading	N/A
10 - ICOM 15	N/A	25 - MPU 36	N/A
10 - ICOM 16	N/A	26 - APU 11	P

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10 - ICOM   17          N/A   |   26 - APU 15          ????   |
10 - ICOM   18          N/A   |   26 - APU 21           P     |
10 - ICOM   19          N/A   |   26 - APU 23          ????   |
10 - ICOM   20          N/A   |   26 - APU 29           P     |
10 - ICOM   21          N/A   |   26 - APU 31           P     |
10 - ICOM   22->24       N/A  |   26 - APU 33             P   |
10 - ICOM   23->25       N/A  |   30 - QMS 18           N/A   |
10 - ICOM   24          N/A   |   30 - QMS 19          N/A   |
10 - ICOM   25          N/A   |   30 - QMS 24          N/A   |
10 - ICOM   26          N/A   |   30 - QMS 25          N/A   |
10 - ICOM   27          N/A   |   37 - SPU100 00         N/A   |
10 - ICOM   28->18       N/A  |   37 - SPU100 01           N/A   |
10 - ICOM   29->19       N/A  |   40 - QTMU 0            N/A   |
          Lap Count   = 1
          Start Time  = 07/06/22  13:31:43
          Finish Time = 07/06/22  13:33:53
               RUNNING ETS-364 LEVEL 1 DIAGNOSTICS
              Revision 2015A [2015.1.5.18], 05/05/17
              USING ASM3606 R3.0(SW), ASM3606 R3.0(HW)

START OF TEST TIME:     07/06/22  13:44:34

 1 - PC Interface Board Test --- (1 PCIB to Test)
 2 - Testhead Interface Board Test --- (1 THIB to Test)
 4 - Control Bits Test --- (64 CBITs to Test)
 7 - Master Clock Unit Test --- (1 MCU to Test)
Testing MCU Serial#
10 - Isolated Communication Board Test --- (48 ICOMs to Test)
12 - FR Bus Loading Test --- (1 FRBUS to Test)
*** ETS Utility Error - Invalid SPU numsamples
12B*Prim, Output Rly Chk Shorted output relays detected on multiple res on Prim side
25 - Medium Power Unit Test --- (1 MPU Channel to Test)
Testing MPU Serial#
26 - Analog Pin Unit Test --- (5 APU Boards to Test)
Testing APU Serial#
Testing APU Serial#
Testing APU Serial#
Testing APU Serial#
Testing APU Serial#
30 - Quad Measurement System Test --- (4 QMSs to Test)
Testing QMS Serial#
Testing QMS Serial#
Testing QMS Serial#
Testing QMS Serial#

END OF TEST TIME:       07/06/22  13:49:06
```

ETS-364 LEVEL 1 DIAGNOSTICS TEST RESULTS

Test BOARD	RESULT	Test BOARD	RESULT
01 - PCIB	P	10 - ICOM 29->19	P
02 - Primary THIB	P	10 - ICOM 30	P
04 - First CBIT64	P	10 - ICOM 31	P
07 - Master Clock	P	10 - ICOM 48	P
10 - ICOM 00	P	10 - ICOM 49->29	P
10 - ICOM 01	P	10 - ICOM 50	P
10 - ICOM 02->00	P	10 - ICOM 51->33	P
10 - ICOM 03->01	P	10 - ICOM 52->36	P
10 - ICOM 04	P	10 - ICOM 53	P
10 - ICOM 05	P	10 - ICOM 54	P
10 - ICOM 06	P	10 - ICOM 55	P
10 - ICOM 07	P	10 - ICOM 56	P
10 - ICOM 08	P	10 - ICOM 57	P
10 - ICOM 09	P	10 - ICOM 58	P
10 - ICOM 10	P	10 - ICOM 59->31	P
10 - ICOM 11	P	10 - ICOM 60	P
10 - ICOM 12	P	10 - ICOM 61	P
10 - ICOM 13->11	P	10 - ICOM 62	P
10 - ICOM 14	P	10 - ICOM 63	P
10 - ICOM 15	P	12 - FR Bus Loading	FAIL
10 - ICOM 16	P	25 - MPU 36	P
10 - ICOM 17	P	26 - APU 11	P
10 - ICOM 18	P	26 - APU 21	P
10 - ICOM 19	P	26 - APU 29	P
10 - ICOM 20	P	26 - APU 31	P
10 - ICOM 21	P	26 - APU 33	P
10 - ICOM 22->24	P	30 - QMS 18	P
10 - ICOM 23->25	P	30 - QMS 19	P
10 - ICOM 24	P	30 - QMS 24	P
10 - ICOM 25	P	30 - QMS 25	P
10 - ICOM 26	P	37 - SPU100 00	N/A
10 - ICOM 27	P	37 - SPU100 01	N/A
10 - ICOM 28->18	P	40 - QTMU 0	N/A

Lap Count = 1
Start Time = 07/06/22 13:44:34
Finish Time = 07/06/22 13:49:06