



GE Energy

Functional Testing Specification

Parts & Repair Services
Louisville, KY

LOU-GED-IS200TCATH1A

Test Procedure for an IS230TCATH1A Mark VIe Terminal Board Assembly.

DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	J. Francis	11/20/2012
B			
C			

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DATE 11/20/2012	DATE	DATE	DATE 12/5/2012

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1. **SCOPE**

- 1.1 This is a functional testing procedure for an **IS230TCATH1Ax** MARK VIe Terminal board assembly.

2. **STANDARDS OF QUALITY**

- 2.1 Refer to the current revision of the IPC-A-610 standard for workmanship standards.

3. **APPLICABLE DOCUMENTS**

- 3.1 The following document(s) shall form part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue shall apply.
- 3.1.1 Check board's electronic folder for more information.


4. **ENGINEERING REQUIREMENTS**

- 4.1 Equipment Cleaning
- 4.1.1 Equipment should be clean and free of debris prior to applying power unless performing an initial check. Refer to site specific SRA's for cleaning guidelines.
- 4.2 Equipment Inspection
- 4.2.1 Equipment should be visually inspected for any defects prior to applying power. This inspection should include the following as a minimum:
- 4.2.1.1 Wires - broken, cracked, or loosely connected
 - 4.2.1.2 Terminal strips / connectors - broken or cracked
 - 4.2.1.3 Components - visually damaged
 - 4.2.1.4 Capacitors - bloated or leaking
 - 4.2.1.5 Solder joints - damaged or cold
 - 4.2.1.6 Circuit board - burned or de-laminated
 - 4.2.1.7 Printed wire runs / Traces - burned or damaged

5. **EQUIPMENT REQUIRED**

- 5.1 The following equipment is required to perform the process requirements. Equipment may be substituted provided that all accuracy's and test ratios are equivalent or better.

Qty	Reference #	Description
3		Fluke 87 DMM (or Equivalent)
1		Tenma Dual Output Power Supply (or Equivalent)

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6. TESTING PROCESS

6.1 Testing Procedure



Note: This procedure will be for an entire *IS230TCATH1A* assembly. Since we do NOT have a fully functional assembly test, the assembly will be broken down to individually test each sub-assembly separately using its assigned test. The test procedure will be listed for each sub-assembly.

6.1.1 Remove the **IS200TCAT** card and test using test procedure LOU-GED-IS200TCAT, referring to Models Database for latest revision of test procedure.

6.1.2 Remove the **IS200JGPA** card and test using test procedure LOU-GED-IS200JGPA, referring to Models Database for latest revision of test procedure.

6.2 *TEST COMPLETE *****

7. NOTES

7.1 None at this time.

8. ATTACHMENTS

8.1 None at this time.