



GE Energy

Functional Testing Specification

*Parts & Repair Operations
Louisville, KY*

LOU-GED-IS200JPDH

Test Procedure for an IS200JPDH.

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DATE 3/6/2013	DATE	DATE	DATE 3/6/2013

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1. SCOPE

- 1.1 This is a functional testing procedure for an IS200JPDH or IS400JPDH 28VDC Power Distribution Card. IS400 is the ROHS complaint version of the card.

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 the local documented procedures 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
1		Fluke 87 DMM (or Equivalent)

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6. TEST PROCESS

6.1 Note that although they look like MOVs, TRR1 through TRR8, TRS1 through TRS8 and TRT1 through TRT8 are actually fuses.

6.1.1 Measure 0 ohms between the following points.

6.1.2 J1-1 to J1-2, J1-3, J1X-1, J1X-2, J1X-3 JRS-2, JSS-2 and JTS-2.

6.1.3 JRS-2 to JR1-2 through JR8-2.

6.1.4 JSS-2 to JS1-2 through JS8-2.

6.1.5 JTS-2 to JT1-2 through JT8-2.

6.1.6 J1-4 to J1X-4, JRS-1, JR1-1, JR2-1, through JR8-1.

6.1.7 J1-5 to J1X-5, JSS-1, JS1-1, JS2-1, through JS8-1.

6.1.8 J1-6 to J1X-6, JTS-1, JT1-1, JTR2-1, through JT8-1.

6.2 ****Test complete****.

7. NOTES

7.1 None at this time.

8. ATTACHMENTS

8.1 None at this time.