



GE Energy

Functional Testing Specification

Parts & Repair Services
Louisville, KY

LOU-GED-DS200TBQD

Test Procedure for a Transition Module

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DATE 07/07/09	DATE	DATE	DATE 7/8/2009

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1. SCOPE

1.1 This is a functional testing procedure for a DS200TBQDG1A.

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 **DS200TBQDG#AE SH 4AA-4DA**

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)
1		DC Power Supply

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6. TESTING PROCESS

6.1 Setup

- 6.1.1 Set power supply to 24VDC
- 6.1.2 Connect (-) from power supply to C1 (-)
- 6.1.3 Connect (+) from PS to C1 (+)
- 6.1.4 Connect common from DMM to (+) of PS

6.2 Testing Procedure

- 6.2.1 Apply power to card
- 6.2.2 Check for -22VDC at the following points. TB3, TB4, TB9, TB10, TB15, TB16, TB21, TB22, TB27, TB28, TB33, TB34, TB39, TB40, TB45, TB46, TB51, TB52, TB57, TB58, TB63, TB64, TB69, TB70, TB75, TB76, TB81, TB82, TB87, and TB88.
- 6.2.3 Component check remainder of card

6.3 ***TEST COMPLETE***

7. NOTES

- 7.1 None at this time

8. ATTACHMENTS

- 8.1 None at this time