



GE Energy

Functional Testing Specification

*Parts & Repair Services
Louisville, KY*

LOU-GED-DS200NATO

Test Procedure for a DS200NATO card

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REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	G. Chandler	9/6/2013
B	Added note pertaining to Ohmite resistors.	WG Chandler	6/14/2017
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PREPARED BY G. Chandler	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL <i>Charlie Wade</i>
DATE 9/6/2013	DATE	DATE	DATE 9/6/2013

1. **SCOPE**

1.1 This is a functional testing procedure for a DS200NATO 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 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
1		Fluke 87 DMM (or Equivalent)

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6. Testing Process

6.1 Testing Procedure

6.1.1 Using the schematic diagram, verify all resistors are within 1% tolerance.

6.1.2 Visually inspect all MOV for defects. Using an ohm meter verify MOV are > 10 MEG ohms.

6.1.3 Carefully inspect and verify all circuit board traces for continuity.

6.2 ***TEST COMPLETE***

7. Notes

7.1 Must change out EBG and Caddock resistors. EBG resistors can be identified by EBG, SSP32/F, 1M245B, XXXXX. **Use only Ohmite resistors.**

8. Attachments

8.1 None at this time.