g GE Energy	**Functional Testing Specification**
Parts & Repair Services ***Louisville, KY***	**LOU-GED-DS3800NFLA**

Test Procedure for a DS3800NFLA card

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1. SCOPE

1.1 This is a functional testing procedure for a DS3800NFLA 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)
1		115VAC Muffin fan
1		Variac

6. TESTING PROCESS

6.1 Setup

6.1.1 AC 115V line to JA1 and JA-3.

6.1.2 Connect 115VAC muffin fan to JB-1 and JB-4.

6.2 Testing Procedure

6.2.1 Apply power. Fan should be on and the relay should pick up.

6.2.2 Relay contacts are JA-5 & JA-8 NC and JA-4 & JA-7 are NO, check resistance values on contacts with circuit on and off. NC contact should read less then one ohm.

6.2.3 Turn back the variac until the relay drops out, should be about 40% of the power.

6.2.4 Make sure the relay contacts are operational.

6.3 ***TEST COMPLETE ***

7. Attachments

7.1 None at this time

8. Notes

8.1 None at this time