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GE Energy

Functional Testing Specification*Parts & Repair Services
Louisville, KY***LOU-GED-DS3800NATA****Test Procedure for an Attenuator board.****DOCUMENT REVISION STATUS:** Determined by the last entry in the "REV" and "DATE" column

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DATE 5-31-2011	DATE	DATE	DATE 6/10/2011

LOU-GED-DS3800NATA REV. A	g GE Energy <i>Parts & Repair Services</i> <i>Louisville, KY</i>	Page 2 of 3
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1. SCOPE

1.1 This is a functional testing procedure for a 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)

6. Testing Procedure

6.1 Test the following points, +/- 5%.

TO	FROM	Value +/- 5%		TO	FROM	Value +/- 5%
JA1	JG4	1.5M		JD4	E21	500K
JA1	E6	500K		JD4	E20	750K
JA1	E5	750K		JD4	E19	1M
JA1	E4	1M		JD4	E18	1.25M
JA1	E3	1.25M		JD4	E17	1.5M
JA1	E2	1.5M		JE1	JG7	1.5M
JB2	JG3	1.5M		JE1	E26	500K
JB2	E11	500K		JE1	E25	750K
JB2	E10	750K		JE1	E24	1M
JB2	E9	1M		JE1	E23	1.25M
JB2	E8	1.25M		JE1	E22	1.5M
JB2	E7	1.5M		JF2	JG5	1.5M
JC3	JG6	1.5M		JF2	E31	500K
JC3	E16	500K		JF2	E30	750K
JC3	E15	750K		JF2	E29	1M
JC3	E14	1M		JF2	E28	1.25M
JC3	E13	1.25M		JF2	E27	1.5M
JC3	E12	1.5M		E1	JG9	0
JD4	JG8	1.5M		E1	JG2	0

6.2 ***TEST COMPLETE***

7. NOTES

7.1 None at this time.

8. ATTACHMENTS

8.1 None at this time.