g GE Energy	**Functional Testing Specification**
Parts & Repair Services ***Louisville, KY***	**LOU-GED-DS200SVAA**

Test Procedure for a DS200SVAA card

DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release, transferred from GEDS Salem procedure	C. Wade	3/30/2012
B			
C			

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PREPARED BY	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL
C. Wade			Charlie Wade
DATE	**DATE**	**DATE**	**DATE**
3/30/2012			3/30/2012

1. SCOPE

1.1 This is a functional testing procedure for a DS200SVAA voltage attenuator 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		10.0VDC Power Supply

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6. Modifications/Upgrades

6.1 Fill out if applicable.

7. Testing Process

7.1 Setup

7.1.1 Verify that no shorts exist between adjacent traces.

7.1.2 Verify that all parts shown on the silk-screen are present.

7.1.3 Verify that all leads are properly soldered and connections are properly filleted and clipped.

7.1.4 Verify all saddle clamp (qty. 8) screws are tightly screwed down.

7.1.5 Connect +10.000 VDC to PT-11 and connect common (or -) to PT-17 Verify the voltage is between minimum and maximum listed below:

From	To	Minimum	Maximum
SC1	SC2	10.0V	10.0V
PT-12	PT-18	10.0V	10.0V
PT-13	PT-19	7.95V	8.143V
PT-14	PT-20	6.1V	6.284V
PT-15	PT-21	4.3V	4.424V
SC3	SC4	4.3V	4.424V

7.1.6 Connect +10.000 VDC to PT-31 connect common (or -) to PT-37. Verify the voltage is between minimum and maximum listed below:

From	To	Minimum	Maximum
SC5	SC6	10.0V	10.0V
PT-32	PT-38	10.0V	10.0V
PT-33	PT-39	7.95V	8.143V
PT-34	PT-40	6.1V	6.284V
PT-35	PT-41	4.3V	4.424V
SC7	SC8	4.3V	4.424V

7.2 ***TEST COMPLETE ***

8. Notes

8.1 None at this time.

9. Attachments

9.1 None at this time.

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