g		GE Energy		Functional Testing Specification								
	Parts & Repai Louisville, KY		LOU-GED-DS3800DVIA									
Test Procedure for a DS3800DVIA card												
DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column												
REV.		DESCRIPTION			SIGNATURE REV. DATE							
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1. SCOPE

1.1 This is a static testing procedure for a DS3800DVIA voltage isolator daughterboard.

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 Check all components as to the values and tolerances set in the material list (sheet 7AA), the connections runs (sheet 4AA), and daughter board pin-outs (sheet 4AA).Sheet are attached to this procedure.
- **6.1.2** Check all potentiometers CW first.
- **6.1.3** Check and leave all potentiometers CCW.
- 6.2 ***TEST COMPLETE ***

7. NOTES

7.1 None at this time.

8. ATTACHMENTS

		,				MATERIAL LIST							DS3800DVIA SH 7AA-01			
	1 2 3 5 7 9 10	DESCRIPTION PRINTED CARD ASSEMBLY SPE FSM CONT LOO R1/4W1%39.2K R1/4W1%6.81K SADDLE CLAMP SADDLE CLAMP SADDLE CLAMP RV3/4W100PM5	S PC			6 2 6 6 6	ATALOG / \$38000V \$8947174 18845518 88703596 88703596 88871259 8871259	(A6AA 4 71 392F 581E 0P1 1		-	8 C	D	E	F	G	
8.1	RINTS EV NO EV=DATE BSUED ADE BY	DL107 01 E 11/79/ 08/26/77 R E HANNAH	ENG MFG				ELECTRI Va. USA	c	PROTEC		FINA		380: H 7:		_	

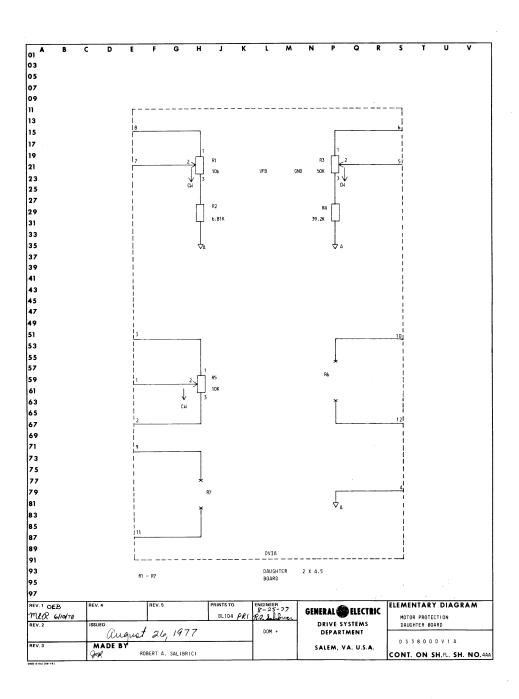
Material List - Sheet 7AA

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8.2

Drawing - Sheet 4AA