



GE Energy

## Functional Testing Specification

Parts & Repair Services  
Louisville, KY

LOU-GED-DS3800DTRB

### Test Procedure for a daughter board DS3800DTRB

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	S. Pharris	11/16/2012
B			
C			

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<b>DATE</b> 11/16/2012	<b>DATE</b>	<b>DATE</b>	<b>DATE</b> 11/16/2012

<b>LOU-GED-DS3800DTRB</b> <b>REV. A</b>	<b>g</b>  <b>GE Energy</b> <i>Parts &amp; Repair Services</i> <i>Louisville, KY</i>	<b>Page 2 of 6</b>
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## 1. SCOPE

1.1 This is a functional testing procedure for a DS3800DTRB 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 85 or equivalent

## 6. Modifications/Upgrades

6.1 Check Orange Book for any modifications or upgrades.

## 7. Testing Process

### 7.1 Setup

<p>9.1.0 <u>SCOPE</u></p> <p>This Printed Wiring Board is a Daughter Board and is identified as:</p> <p style="text-align: center;">DS3800DTRB</p> <p>It mounts on the TORQUE REGULATOR B CARD, NTRB.</p>					
<p>9.2.0 <u>TEST EQUIPMENT</u></p>					
<p>9.2.1 <u>Standard Equipment Required:</u></p> <p>Test equipment shall be provided which meet the requirements and accuracies prescribed in this specification. All test equipment is defined by Quality Control standards _____ except as noted in Section 9.2.2.</p>					
<p>9.2.2 <u>Special Equipment Required:</u></p> <p style="text-align: center;">None.</p>					
<p>9.3.0 <u>POWER SUPPLY REQUIREMENTS AND PIN CONNECTIONS</u></p> <p style="text-align: center;">N/A</p>					
<p>9.4.0 <u>SETUP AND INITIAL LOADING</u></p> <p style="text-align: center;">N/A</p>					
<p>9.5.0 <u>SIGNAL LEVELS</u></p> <p style="text-align: center;">N/A</p>					
REV. 1	REV. 2	REV. 3	REV. 4	REV. 5	REV. 6
			DL109	F.H.B.	
REV. 1	REV. 2	REV. 3	REV. 4	REV. 5	REV. 6
			Rev. 14.9.79		
REV. 3	REV. 4	REV. 5	REV. 6	REV. 7	REV. 8
			MADE BY N. L. Oney 790925		
DSO 0137 (Rev. 90)			GENERAL ELECTRIC TORQUE REGULATOR DAUGHTER BOARD DS3800DTRB SALEM, VA. U.S.A. MFG. NO. 9AA		

### 7.2

9.6.0 TEST PROCEDURE

9.6.1 Check all components as to value and tolerance per M. and Purchase Part drawing.

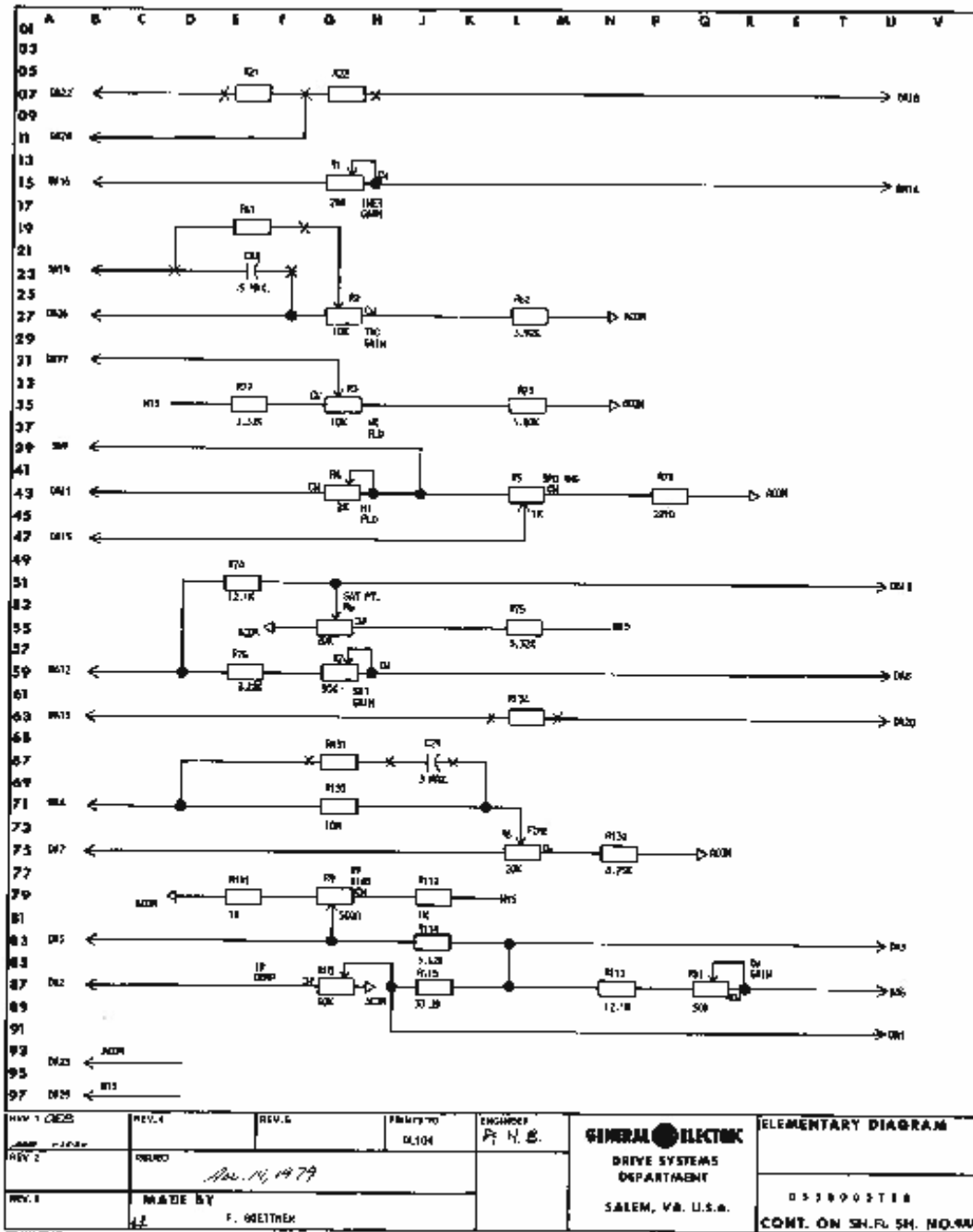
9.6.2 Check all Pots CW first.

9.6.3 Check and leave all Pots CCW.

REV. 1	REV. 2	REV. 3	PRINTED TO DL109	REVISION F.H.B.	GENERAL ELECTRIC ESD SALEM, VA. U.S.A.	Test Specifications TORQUE REGULATOR DAUGHTER BOARD DS3800DTRB REV. A FL. MAISON
REV. 4	REV. 5	REV. 6 Rev. 14, 1979				
REV. 7	REV. 8	MADE BY M.L. Grey 790923				

DS3800DTRB 00-70

7.3



LOU-GED-DS3800DTRB  
REV. A

g

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PARENT PART #	DESCRIPTION	COMPONENT PART #	QTY
DS3800DTRB	SAD-CLMP	68A997050P1	12
DS3800DTRB	SADDLE CLAMP - TCF	68A7601P1	12
DS3800DTRB	POT 1K 10% .75W 20T	68A7125P102	1
DS3800DTRB	POT 15K 10% .75W 20T	68A7125P103	2
DS3800DTRB	POT 2K 10% .75W 20T	68A7125P202	1
DS3800DTRB	POT 23K 10% .75W 20T	68A7125P203	2
DS3800DTRB	POT 530 10% .75W 20T	68A7125P501	1
DS3800DTRB	POT 50K 10% .75W 20T	68A7125P503	3
DS3800DTRB	RES 825 1% .5W MFILM	68A7035P625D	1
DS3800DTRB	RES 3.82K 1% .5W MFILM	68A7035P622E	1
DS3800DTRB	RES 5.42K 1% .5W MFILM	68A7035P622E	1
DS3800DTRB	RES 4.75K 1% .5W MFILM	68A7035P475C	1
DS3800DTRB	RES 221 1% .5W MFILM	68A7035P221D	1
DS3800DTRB	RES 2.21K 1% .5W MFILM	68A7035P221E	1
DS3800DTRB	RES 3.32K 1% .5W MFILM	68A7035P332E	2
DS3800DTRB	RES 33.2K 1% .5W MFILM	68A7035P332F	1
DS3800DTRB	RES 1K 1% .5W MFILM	68A7035P100E	2
DS3800DTRB	RES 10M 1% .5W MFILM	68A7035P100J	1
DS3800DTRB	RES 12.1K 1% .5W MFILM	68A7035P121F	2

#### 7.4

#### 7.5 \*\*\*TEST COMPLETE\*\*\*

### 8. Notes

8.1 None at this time.