



GE Energy

## Functional Testing Specification

Parts & Repair Services  
Louisville, KY

LOU-GED-IS200TTPW

### Test Procedure for an IS200TTPW Mark VI Terminal Board Assembly.

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A	Initial release	J. Francis	03/22/2013
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DATE 03/22/2013	DATE	DATE	DATE 3/22/2013

<b>LOU-GED-IS200TTPW</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 3</b>
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## 1. SCOPE

1.1 This is a functional testing procedure for an IS200TTPW Mark VI Terminal Board Assembly.

## 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		Multimeter
1		28 VDC Power Supply

## 6. TESTING PROCESS

**6.1** Apply +28 VDC to P1-1 and 28 VDC Return to P1-2.

**6.2** Apply +28 VDC to P2-1 and 28 VDC Return to P2-2.

**6.3** Apply +28 VDC to P3-1 and 28 VDC Return to P3-2.

**6.4** Using Multimeter set to check DC Volts, check the following points for the listed voltages:

(+) Lead	(-) Lead	Voltage	Model
TB2-25	TB2-26	27.4 VDC -/+ 0.5 VDC	All
TB2-27	TB2-28	27.4 VDC -/+ 0.5 VDC	All
TB2-31	TB2-32	27.4 VDC -/+ 0.5 VDC	All
TB2-33	TB2-34	27.4 VDC -/+ 0.5 VDC	All
TB2-35	TB2-36	27.4 VDC -/+ 0.5 VDC	All
TB2-37	TB2-38	27.4 VDC -/+ 0.5 VDC	All
TB2-29	TB2-30	27.4 VDC -/+ 0.5 VDC	x1A Models only
TB2-39	TB2-40	27.4 VDC -/+ 0.5 VDC	x1A Models only
TB2-41	TB2-42	27.4 VDC -/+ 0.5 VDC	x1A Models only
JA1-1	JA1-2	27.4 VDC -/+ 0.5 VDC	x1B Models only
TB1-3	TB1-4	1.25 VDC -/+ 0.3 VDC	All
TB1-7	TB1-8	1.29 VDC -/+ 0.3 VDC	All
TB1-11	TB1-12	1.29 VDC -/+ 0.3 VDC	All
TB1-15	TB1-16	1.29 VDC -/+ 0.3 VDC	All
TB1-19	TB1-20	1.29 VDC -/+ 0.3 VDC	All

**6.5 \*\*\*TEST COMPLETE \*\*\***

## 7. NOTES

**7.1** None at this time.

## 8. ATTACHMENTS

**8.1** None at this time.