



GE Energy

## Functional Testing Specification

*Parts & Repair Services  
Louisville, KY*

**LOU-GED-151X1213PE07SA01**

### Test Procedure for a 151X1213PE07SA01 ECTB/EPCT EX2100 Regulator Assembly.

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

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<b>DATE</b> 08/05/2015	<b>DATE</b>	<b>DATE</b>	<b>DATE</b> 8/5/2015

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## 1. SCOPE

- 1.1 This is a functional testing procedure for a 151X1213PE07SA01 ECTB/EPCT EX2100 Regulator 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
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## 6. TESTING PROCESS

### 6.1 Testing Procedure



**Note:** This procedure will be for an entire *151X1213PE07SA01* assembly. The assembly will be broken down to individually test each sub-assembly separately using its assigned test. The test procedure will be listed for each sub-assembly.

**6.1.1** Remove the **IS200ECTB** card and test using test procedure LOU-GED-IS200ECTBG1, referring to Models Database for latest revision of test procedure.

**6.1.2** Remove the **IS200EPCT** and test using test procedure LOU-TOFFEE-IS2EPCT-F, referring to Models Database for latest revision of test procedure.

### **6.2 \*\*\*TEST COMPLETE \*\*\***

## 7. NOTES

**7.1** None at this time.

## 8. ATTACHMENTS

**8.1** None at this time.