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GE Energy

**Functional Testing Specification**

*Parts & Repair Services  
Louisville, KY*

**LOU-ATE1-DS200GGIA**

**Test procedure for a card tested on the ATE1 System**

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	Eric Rouse	10/25/2001
B	Transferred procedure from a general group to a specific single document. Also added asset numbers to section 5.	D. Bush	8/13/2010

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<b>DATE</b> 10/25/2001	<b>DATE</b> 8/13/2010	<b>DATE</b>	<b>DATE</b> 8/13/2010

**Functional test procedure for an ATE tested item.**

**1. SCOPE**

1.1 This is a functional test procedure for cards that are developed to be tested on ATE1.

**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 or cracked

4.2.1.2 Terminal strips / connectors broken or cracked

4.2.1.3 Loose wires

4.2.1.4 Components visually damaged

4.2.1.5 Capacitors leaking

4.2.1.6 Solder joints damaged or cold

4.2.1.7 Circuit board burned or de-laminated

4.2.1.8 Printed wire runs 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	H033779	ATE1
1	H033997	Fixture Box
1	#51	Personality Module

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## 6. TESTING PROCESS

### 6.1 Setup

**6.1.1** As required by ATE instructions

### 6.2 Testing Procedure

**6.2.1** Identify the test to be used on the ATE by matching the model number with the ones on the system and follow the instructions given after execution.

**6.3 \*\*\*TEST COMPLETE \*\*\***

## 7. NOTES

**7.1** Changes to the electronic ATE test are recorded in the [Software Control Database](#)