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GE Energy

Functional Testing Specification

*Part & Repair Operations
Louisville, KY*

LOU-GE-PP2

Test Procedure for a Card tested on the PP2

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DATE 1/17/2008	DATE	DATE	DATE 1/17/2008

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Functional test procedure for a PP2 tested item.

1. SCOPE

1.1 This is a functional testing procedure for a card or unit on Pin Point Test System.

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.

2.1.1 **System documentation**

2.1.2 **Folder for unit or card being tested**

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 the local documented procedures 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		PP2
		Other items as required by PP2 test.

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6. TESTING PROCESS

6.1 Setup

6.1.1 As required by PP2 instructions

6.2 Testing Procedure

6.2.1 Identify the test to be used on the PP2 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 None at this time