

<div><div>g</div><div>GE Energy</div></div>		Functional Testing Specification	
Part & Repair Operations Louisville, KY		LOU-GE-PP2-MAN	
Test Procedure for a Card tested on the PP2			
DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column			
REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	R. Johnson	
C			
<p>© COPYRIGHT GENERAL ELECTRIC COMPANY Hard copies are uncontrolled and are for reference only. PROPRIETARY INFORMATION – THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GENERAL ELECTRIC COMPANY AND MAY NOT BE USED OR DISCLOSED TO OTHERS, EXCEPT WITH THE WRITTEN PERMISSION OF GENERAL ELECTRIC COMPANY.</p>			
PREPARED BY R. Johnson	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL Charlie Wade
DATE	DATE	DATE	DATE

<p><b>LOU-GE-PP2-MAN REV. A</b></p>	<p><b>g</b></p> <p><b>GE Energy</b> Parts &amp; Repair Operations Louisville, KY</p>	<p><b>Page 2 of 3</b></p>
---	--	---------------------------

## 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.
		Comparison or Master Board

<p><b>LOU-GE-PP2-MAN REV. A</b></p>	<p><b>g</b></p> <p><b>GE Energy</b> <i>Parts &amp; Repair Operations Louisville, KY</i></p>	<p><b>Page 3 of 3</b></p>
---	---	---------------------------

## 6. TESTING PROCESS

### 6.1 Setup

**6.1.1** This is best done when you have another card to compare to or to use as a master unit.

**6.1.2** Provide voltages as required by board.

### 6.2 Testing Procedure

**6.2.1** Test one chip at a time. Compare results with master unit. If varies, repair Unit Under Test (UUT) or master as required.

**6.2.2** If pots are part of card, be sure they calibrated as needed.

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

## 7. NOTES

**7.1** None at this time