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GE Industrial Systems

## Functional Testing Specification

Renewal Services  
Louisville, KY

LOU-GEF-IC600PM502

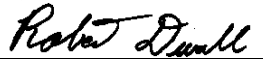
### Test Procedure for a Series Six I/O rack Power Supply

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	S. Pharris	1/23/03
B			
C			

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PREPARED BY Steve Pharris	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL 
DATE 1/23/03	DATE	DATE	DATE 02/10/03

## Functional test procedure for IC600PM502B

### 1. SCOPE

1.1 This is a functional testing procedure for a. IC600PM502B

### 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

### 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		Cheater Cable
1		Fluke DMM or Equivalent

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## 6. TESTING PROCESS

### 6.1 Setup

6.1.1 SEE NOTES

6.1.2 Connect cheater cable to 115V input on front of UUT.

### 6.2 Testing Procedure

6.2.1 Apply power verify output of 5VDC.

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

## 7. NOTES

Before testing unit replace power supply section with new one.