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GE Industrial Systems

Functional Testing Specification

*Renewal Services
Louisville, KY*

LOU-GED-193X710xx

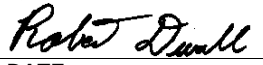
Test Procedure for a 193X710 Power Supply Card

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A	Initial release	D. Johnson	6/28/02
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DATE 06-28-02	DATE	DATE	DATE 06/28/02

Functional test procedure for a 193X710 Power Supply card.

1. SCOPE

1.1 This is a functional testing procedure for a 193X710 power Supply card.

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 **GEI-92013D**

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		Digital MULTIMETER
1		193X INTERFACE BOX
1		100 OHM RESISTOR

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6. TESTING PROCESS

6.1 Setup

6.1.1

6.2 Testing Procedure

6.2.1 Connect 100 ohm resistor across tabs 2 and 28(use a high wattage resistor if you are going to test for a while)

6.2.2 Connect 115VAC on tabs 7 and 11

6.2.3 Check for +\ -20VDC +/- 0.4VDC output on tabs 2 and 28

6.2.4 Check for 6.3VAC +1.0 /-0.1VAC output on tabs 9 and 10

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

7. NOTES