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GE Industrial Systems

Functional Testing Specification

*Renewal Services
Louisville, KY*

LOU-GED-531X207LCS

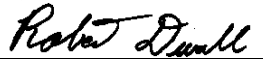
Test Procedure for a LAN power Supply Card

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A	Initial release	K. Greenwell	7/1/02
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PREPARED BY K. Greenwell	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL 
DATE 07/01/02	DATE	DATE	DATE 08/09/02

Functional test procedure for

1. SCOPE

1.1 This is a functional testing procedure for a LAN 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 531X207LCSx Documentation Folder

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		Fluke 85 DMM (or Equivalent)
1		50 Ohm resistor
1		115VAC Line Cord

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6. TESTING PROCESS

6.1 Setup

6.1.1 Set JP1 to position 2-3 for +15VDC setting.



Note:

6.2 Testing Procedure

6.2.1 Apply 115VAC to TB1 pins 1 & 3.

6.2.2 Verify +15VDC at TB1 pins 7 (Neg.) & 8 (Pos.).

6.2.3 Remove 115VAC power.

6.2.4 Change JP1 from 2-3 to 1-2 for +5VDC operation.

6.2.5 Apply 115VAC power.

6.2.6 Verify +5VDC at TB1 pins 7 (Neg.) & 8 (Pos.).

6.2.6.1 Adjust +5VDC at P1 if necessary.

6.2.7 Remove 115VAC power.

6.2.8 Return JP1 to the 2-3 position.

6.2.9 Install a 50 ohm resistor in series with an ammeter across TB1 pins 11 & 12.

6.2.10 Apply 115VAC power.

6.2.11 Verify Ammeter reading of 0.255 Amps.

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

7. NOTES