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GE Industrial Systems

Functional Testing Specification

*Renewal Services
Louisville, KY*

LOU-GEF-IC3622GIBB

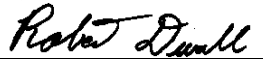
Test Procedure for a Card IC3622GIBB2x

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A	Initial release	S. Pharris	11/19/02
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DATE 11/19/02	DATE	DATE	DATE 03/19/03

Functional test procedure for IC3622GIBBx

1. SCOPE

1.1 This is a functional testing procedure for a. IC3622GIBB2x

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		Fluke DMM or Equivalent
1		Isolation Box
1		Variable AC Transformer (PS1)
1		IC3600 Interface Box
1		Tenma Power Supply (PS2)

6. TESTING PROCESS

6.1 Setup

- 6.1.1 Set PS1 for 75VAC.
- 6.1.2 Set PS2 for +15VDC.
- 6.1.3 Connect PS1 to isolation box.
- 6.1.4 Connect (-) from PS2 to pin 1 on interface box.
- 6.1.5 Connect neutral from PS1 to pin 1 on interface box.
- 6.1.6 Connect common from DMM to pin 1 on interface box.
- 6.1.7 Connect (+) from PS2 to pin 27 on interface box.
- 6.1.8 Connect hot from PS1 to pin 34 on interface box.

6.2 Testing Procedure

- 6.2.1 Apply power from PS2 only at this time.
- 6.2.2 Connect (+) from DMM to pin 2 on interface box.
- 6.2.3 Verify that DMM reads less than +1VDC.
- 6.2.4 Switch on power from PS1.
- 6.2.5 Verify DMM reads +15VDC.
- 6.2.6 Move wire from pin 2 to pin 3.
- 6.2.7 Verify DMM reads less than +1VDC.
- 6.2.8 Switch off power from PS1.
- 6.2.9 Verify DMM reads +15VDC.
- 6.2.10 Continue test using information in table below.

6.3 ***TEST COMPLETE***

7. NOTES

Hot AC input	(+) lead from DMM
34	2, 3
36	4, 5
38	6, 7
40	8, 9
42	10, 11
44	12, 13
46	14, 15
48	16, 17