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GE Industrial Systems

Functional Testing Specification

Renewal Services
Louisville, KY

LOU-GED-193X717xx-A

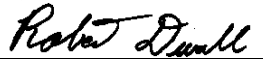
Test Procedure for a Card

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Functional test procedure for a Card

1. SCOPE

1.1 This is a functional testing procedure for a Card.193X717xxG0x

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 **192X966 Engineering Spec's**

3.1.2 **GEI-92011B Factory Operation Manual**

3.1.3 **36C759094BD Schematic**

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.

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Qty	Reference #	Description
1		Fluke 85 DMM (or Equivalent)
1		193X Thick Card pin out box (red jacks)

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6. TESTING PROCESS

6.1 Setup

6.1.1 Plug card in to box as label says.

6.1.2 Connect power and test leads.



Note:

6.2 Testing Procedure

6.2.1 Turn power on.

6.2.2 Measure output according to schematic. Power out should be 20Vdc +/- 5%
(19-21Vdc)

6.3 *TEST COMPLETE *****

7. NOTES

8. Oscilloscope Verification Examples:

Fig. 1

Fig. 2