g GE Industrial Systems	**Functional Testing Specification**
Renewal Services ***Louisville,KY***	**LOU–GED-193X191xx**

Test Procedure for a Card 193X191ABG01

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	S. Pharris	10/22/02
B			
C			

PREPARED BY	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL
Steve Pharris			Robert Durell
DATE	**DATE**	**DATE**	**DATE**
10/22/02			10/24/02

Functional test procedure for 193x191ABG01

1. SCOPE

1.1 This is a functional testing procedure for a. 193X191ABG01

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		Variable AC Transformer
1		2.7 Ohm Resistor
1		193X Interface Box

6. TESTING PROCESS

6.1 Setup

6.1.1 Insert UUT into 193X interface box.

6.1.2 Set variable AC transformer for 7VAC.

6.1.3 Connect transformer output to tab 18 and 19.

6.1.4 Connect tab 3 to 2.7 ohm load resistor.

6.1.5 From other side of resistor to + on DMM.

6.1.6 Connect tab 29 to common on DMM.

6.2 Testing Procedure

6.2.1 Set DMM for VDC.

6.2.2 Energize transformer

6.2.3 Verify output on DMM is +5 VDC @ 5%.

6.2.4 Increase voltage on transformer to 10 VAC.

6.2.5 Verify output on DMM is 5.5 VDC @ 5%.

6.2.6 Let run for minimum of 5 minutes.

6.2.7 Verify output on DMM is still within tolerance.

6.3 ***TEST COMPLETE ***

7. NOTES