



GE Energy

Functional Testing Specification

*Parts & Repair Services
Louisville, KY*

LOU-GED-193X701CC

Test Procedure for a

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A	Initial release	Glenn Chandler	01/09/2009
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PREPARED BY Glenn Chandler	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL
DATE 01/09/2009	DATE	DATE	DATE

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1. SCOPE

1.1 This is a functional testing procedure for 193X701CCG01

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

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, cracked, or loosely connected

4.2.1.2 Terminal strips / connectors - broken or cracked

4.2.1.3 Components - visually damaged

4.2.1.4 Capacitors - bloated or leaking

4.2.1.5 Solder joints - damaged or cold

4.2.1.6 Circuit board - burned or de-laminated

4.2.1.7 Printed wire runs / Traces - 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 87 DMM (or Equivalent)
1		General Purpose Testing Interface
1		General Purpose Testing Computer with data acquisition cards
1		Personality Module # 15

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6. TESTING PROCESS

6.1 Testing Procedure

6.1.1 Remove and test the 193X701CAG01 daughter card using the following procedure.

6.1.1.1 Using the General Purpose Testing Computer with data acquisition cards.

6.1.1.2 Assure that the GPTC and GPTI are connected and operational.

6.1.1.3 Power up the computer and select board testing programs from the menu.

6.1.1.4 Follow the instructions on the screen for testing of the card.

6.1.2 Component test the main card.

6.2 *****TEST COMPLETE *****

7. NOTES

7.1 None at this time

8. ATTACHMENTS

8.1 None at this time.