



GE Energy

Functional Testing Specification

*Parts & Repair Operations
Louisville, KY*

**LOU-GEF-IC600CB503
Series Six I/O Control Card**

Test Procedure for a Series Six I/O Control card

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1. SCOPE

- 1.1 This is a functional testing procedure for the IC600CB503 and IC600CB527 Series Six I/O Control cards.

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		Series Six CPU-2 <u>MAIN</u> rack
1		Series Six CPU-2 <u>LOCAL</u> rack

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6. SETUP

6.1 Ensure that the jumpers on the card are set to their factory default settings.

7. TEST PROCESS

7.1 Ensure power to the rack is off.

7.2 Insert card into slot 11.

7.3 Connect corresponding data cable to port 2 (the bottom port) of the card.

7.4 Turn on the power to the rack.

7.5 Press the master reset button “I-201”, which is located at the top left corner of the Series Six master panel.

7.6 Ensure that the I/O cards in the CPU-2 LOCAL rack, light in a scrolling fashion.

7.7 Turn off the power to the rack.

7.8 *****TEST COMPLETE*****

8. NOTES

9. ATTACHMENTS