g GE Energy	**Functional Testing Specification**
Inspection & Repair Services ***Louisville, KY***	**LOU-GED-DS200CPCA**

Test Procedure for a Contactor Pilot Card

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	John Madden	8/25/2006
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C			

PREPARED BY	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL
John Madden	J. Wychulis		Charlie Wade
DATE	**DATE**	**DATE**	**DATE**
8/25/2006	6/25/2009		8/26/2006

1. SCOPE

1.1 This is a functional testing procedure for a DS200CPCA Card.

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 K:\DS\DS200\DS200C\CPCA\DS200CPCAG_ABSH4AA.tif
3.1.2 K:\DS\DS200\DS200C\CPCA\DS200CPCAG_ABSH4BA.tif
3.1.3 K:\DS\DS200\DS200C\CPCA\200CPCA.DOC
3.1.4 K:\DS\DS200\DS200C\CPCA\Bill of Materials.pdf

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		120VAC Variac
1		24Vdc power supply

6. TESTING PROCESS

6.1 Testing Procedure

6.1.1 Connect variac between terminal CPH and terminal CPN and set for 10 VAC.

6.1.2 Connect a 100K resistor (68A7035P100G) across MPL-1 and MPL-3.

6.1.3 Using DVM verify less than 0.1 VDC between MPL-1 (+ lead) and MPL-3 (- lead).

6.1.4 Apply 24 VDC between terminal PSP (+ lead) and terminal PSN (- lead).

6.1.5 Verify 10.4 to 11.4 VDC between MPL-1 (+ lead) and MPL-3 (- lead).

6.1.6 Remove 24vdc source, DVM should return to less than 0.1 VDC.

6.2 ***TEST COMPLETE ***

7. NOTES

7.1 None at this time

8. ATTACHMENTS

8.1 None at this time