g GE Energy	**Functional Testing Specification**
Parts & Repair Services ***Louisville, KY***	**LOU-GED-IS200ITBA**

Test Procedure for a DC Drive Terminal Board IS200ITBA

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A	Initial release	Cristyn Edlin	5/6/2013
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Cristyn Edlin			Charlie Wade
DATE	**DATE**	**DATE**	**DATE**
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1. SCOPE

1.1 This is a functional testing procedure for an IS200ITBA.

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** Check board's electronic folder for more information**.**
- **3.1.2** Schematic IS200ITBAG#AA**.**

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)

6. TEST PROCESS

6.1 Ensure less than 1 ohm between each of the following points. You are checking for continuity between these points.

6.1.1 TB1-1 to TBP1-20.

6.1.2 TB1-2 to TBP1-10.

6.1.3 TB1-3 to TBP1-19.

6.1.4 TB1-4 to TBP1-9.

6.1.5 TB1-5 to TBP1-18.

6.1.6 TB1-6 to TBP1-8.

6.1.7 TB1-7 to TBP2-16.

6.1.8 TB1-8 to TBP1-17.

6.1.9 TB1-9 to TBP2-8.

6.1.10 TB1-10 to TBP1-7.

6.1.11 TB1-11 to TBP1-16.

6.1.12 TB1-12 to TBP1-6.

6.1.13 TB1-13 to TBP1-15.

6.1.14 TB1-14 to TBP2-15.

6.1.15 TB1-15 to TBP1-5.

6.1.16 TB1-16 to TBP2-7.

6.1.17 TB1-17 to TBP1-14.

6.1.18 TB1-18 to TBP2-14.

6.1.19 TB1-19 to TBP1-4.

6.1.20 TB1-20 to TBP2-6.

6.1.21 TB1-21 to TBP1-13.

6.1.22 TB1-22 to TBP2-13.

6.1.23 TB1-23 to TBP1-3.

6.1.24 TB1-24 to TBP2-5.

6.1.25 TB1-25 to TBP1-12.

6.1.26 TB1-26 to TBP2-12.

6.1.27 TB1-27 to TBP1-2

6.1.28 TB1-28 to TBP2-4.

6.1.29 TB1-29 to TBP1-11.

6.1.30 TB1-30 to TBP2-11.

6.1.31 TB1-31 to TBP1-1.

6.1.32 TB1-32 to TBP2-3.

6.1.33 TB1-33 to TBP2-10.

6.1.34 TB1-34 to TBP2-9.

6.1.35 TB1-35 to TBP2-2.

6.1.36 TB1-36 to TBP2-1.

6.1.37 TB1-37 to TBP3-24.

6.1.38 TB1-38 to TBP3-23.

6.1.39 TB1-39 to TBP3-12.

6.1.40 TB1-40 to TBP3-11.

6.1.41 TB1-41 to TBP3-22.

6.1.42 TB1-43 to TBP3-10.

6.1.43 TB1-44 to TBP3-20.

6.1.44 TB1-46 to TBP3-8.

6.1.45 TB1-47 to TBP3-19.

6.1.46 TB1-48 to TBP3-18.

6.1.47 TB1-49 to TBP3-7.

6.1.48 TB1-50 to TBP3-6.

6.1.49 TB1-51 to TBP3-17.

6.1.50 TB1-52 to TBP3-16.

6.1.51 TB1-53 to TBP3-5.

6.1.52 TB1-54 to TBP3-4.

6.1.53 TB1-57 to TBP3-13.

6.1.54 TB1-58 to TBP3-14.

6.1.55 TB1-59 to TBP3-1.

6.1.56 TB1-60 to TBP3-2.

6.1.57 TB1-42 to TB1-45 to TB1-55 to TB1-56 to E1 to E2.

6.1.58 TB2-1 to ECPL-1.

6.1.59 TB2-3 to ECPL-2.

6.1.60 TB2-9 to 4PL-1.

6.1.61 TB2-10 to 4PL-2.

6.1.62 TB2-11 to 4PL-3.

6.1.63 TB2-13 to 4PL-4 to OPTPL-2.

6.1.64 TB2-14 to 4PL-5 to OPTPL-1.

6.2 ******End of test******

7. NOTES

7.1 None at this time.

8. ATTACHMENTS

8.1 None at this time.