



GE Energy

Functional Testing Specification

*Parts & Repair Services
Louisville, KY*

LOU-UTS-531X187VCTA

Test Procedure for 531X187VCTA card tested on the UTS Test System

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Functional test procedure for a 531X187VCTA card tested on the UTS Test System.

1. SCOPE

1.1 This is a functional testing procedure for a 531X187VCTA card on UTS3000.

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

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 site specific SRA's 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	H188701	UTS3000 Tester
1	H188932	531X187VCTA Fixture

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6. TESTING PROCESS

6.1 Setup

6.1.1 As required by UTS3000 instructions.

6.2 Testing Procedure

6.2.1 Identify the test to be used on the UTS3000 by matching the model number with the ones on the system and follow the instructions given after execution.

6.3 *****TEST COMPLETE *****

7. NOTES

7.1 Changes to the electronic ATE test are recorded in the [Software Control Database](#)

8. Attachments

8.1 None at this time.