



GE Energy

Functional Testing Specification

Parts & Repair Services
Louisville, KY

LOU-UTS-DS200DCFBG1B

Test Procedure for DS200DCFB card tested on the UTS Test System


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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	E. Rouse	1/2/2008
B	Transferred procedure from a general group to a specific single document. Also added asset numbers to section 5. Added part number to note section.	J. Hardin	7/1/2010
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PREPARED BY Eric Rouse	REVIEWED BY J. Hardin	REVIEWED BY	QUALITY APPROVAL 
DATE 1/2/2008	DATE 7/1/2010	DATE	DATE 1/2/2008

Functional test procedure for a DS200DCFB card tested on the UTS Test System.

1. SCOPE

1.1 This is a functional testing procedure for a DS200DCFB 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	H188809	DCFB Fixture

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 Please replace the capacitors if over 5 years old, C44, C87-C89, C91, C92. Replaced both positive and negative voltage regulators U32, & U43, Relay K2, and Opto Couplers U19, U20, U26, & U27, if they have not been replaced within the last 18 months.

Location	Part Number
C44	104X122AA372
C87	104X122AA362
C88	104X122AA362
C89	104X122AA362
C91	68A7188P330X
C92	104X122AA362
U32	PDUR1000NN15M15
U43	PDUR1000PN15M15
K2	104X166AA075
U19	PDUO1001HP2611
U20	PDUO1001HP2611
U26	PDUO1001HP2611
U27	PDUO1001HP2611

8. Attachments

8.1 None at this time.