



GE Energy

Functional Testing Specification

Parts & Repair Services
Louisville, KY

LOU-ATE1-DS200TCTS

Test procedure for a DS200TCTS card tested on the ATE1 Test System

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	Eric Rouse	10/25/2001
B	Transferred procedure from a general group to a specific single document. Also added asset numbers to section 5.	D. Bush	7/7/2010
C	Updated comments in section 6.1 about parts and burn-in time.	J. Barton	3/19/2014

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DATE 10/25/2001	DATE 7/7/2010	DATE 3/19/2014	DATE 7/7/2010

Functional test procedure for a DS200TCTS card tested on the ATE Test System.

1. SCOPE

1.1 This is a functional test procedure for cards that are developed to be tested on ATE1.

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	H033779	ATE1
1	H188592	Fixture Box
1	#37	Personality Module
		Bench power supplies for burn-in

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6. TESTING PROCESS

6.1 Setup

6.1.1 ALL RELAYS MUST BE REPLACED on Revitalization Program Boards ONLY. The following is a list of part numbers.

6.1.1.1 19 - 68A9663PDC24XN

6.1.1.2 4 - 104X166AA 082

6.1.2 All revitalization cards will be burn-in on the bench for 12 hours, prior to final testing.

6.1.3 As required by ATE instructions

6.2 Testing Procedure

6.2.1 Identify the test to be used on the ATE 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](#)