



GE Energy

Functional Testing Specification

Parts & Repair Services
Louisville, KY

LOU-ATE1-DS200TCQB

Test Procedure for DS200TCQB 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 TCQBG#A	Paul Kelley	9/19/2011
B	Added TCQBG#B version	Paul Kelley	12/30/2011
C			

© COPYRIGHT GENERAL ELECTRIC COMPANY

Hard copies are uncontrolled and are for reference only.

PROPRIETARY INFORMATION – THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GENERAL ELECTRIC COMPANY AND MAY NOT BE USED OR DISCLOSED TO OTHERS, EXCEPT WITH THE WRITTEN PERMISSION OF GENERAL ELECTRIC COMPANY.

PREPARED BY Paul Kelley	REVIEWED BY J. Barton	REVIEWED BY C. Wade	QUALITY APPROVAL <i>Charlie Wade</i>
DATE 9/19/2011	DATE 9/21/2011	DATE 1/4/2012	DATE 9/19/2011

Functional test procedure for a DS200TCQB card tested on the ATE1 Test System.

1. SCOPE

1.1 This is a functional testing procedure for aDS200TCQB card 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 Tester
1	H188988	DS200TCQB Test Fixture

<p>LOU-ATE1-DS200TCQB Rev B</p>	<p>g</p> <p>GE Energy <i>Part & Repair Services</i> <i>Louisville, KY</i></p>	<p>Page 3 of 3</p>
---	---	---------------------------

6. TESTING PROCESS

6.1 Setup

6.1.1 As required by ATE1 instructions.

6.2 Testing Procedure

6.2.1 Identify the test to be used on the ATE1 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](#)

7.2 The DS200TCQBG2B cards have not been validated at this time. 1/4/2012, C. Wade

8. Attachments

8.1 None at this time.