



GE Energy

## Functional Testing Specification

Parts & Repair Services  
Louisville, KY

LOU-UTS-DS3800NGRD

### Test Procedure for cards tested on the UTS-3000 Tester


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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release on the UTS System	Steve Pharris	5/26/2011
B			
C			

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<b>PREPARED BY</b> Steve Pharris	<b>REVIEWED BY</b> Eric Rouse	<b>REVIEWED BY</b>	<b>QUALITY APPROVAL</b> 
<b>DATE</b> 5/26/2011	<b>DATE</b> 5/26/2011	<b>DATE</b>	<b>DATE</b> 5/26/2011

**Functional test procedure for a DS3800NGRD card tested on the UTS Test System.**

**1. SCOPE**

- 1.1 This is a functional testing procedure for the UTS3000 Tester. This fixture will test the DS3800NGRD card.

**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		UTS3000 Tester
1	H188981	DS3800NGRC Fixture

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## 6. TESTING PROCESS

### 6.1 Setup

6.1.1 Install test fixture H188981.

6.1.2 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 None at this time.

## 8. Attachments

8.1 None at this time.