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GE Energy

**Functional Testing Specification**

*Parts & Repair Services  
Louisville, KY*

**LOU-UTS-DS3800HCID**

**Test Procedure for DS3800HCID card tested on the UTS Test System**

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**Functional test procedure for a DS3800HCID card tested on the UTS Test System.**

**1. SCOPE**

**1.1** This is a functional testing procedure for aDS3800HCID 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	H188985	DS3800HCID Test Fixture

<p><b>LOU-UTS-DS3800HCID</b> <b>Rev A</b></p>	<p><b>g</b></p> <p><b>GE Energy</b> <i>Part &amp; Repair Services</i> <i>Louisville, KY</i></p>	<p><b>Page 3 of 3</b></p>
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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.