# Functional Testing Specification Parts & Repair Services Louisville, KY Functional Testing Specification LOU-ATE1-DS3820EXC

# Test procedure for a card tested on the ATE1 System

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REV.	DESCRIPTION	SIGNATURE	REV. DATE
Α	Initial release	Eric Rouse	10/25/2001
В	Transferred procedure from a general group to a specific single document. Also added asset numbers to section 5.	D. Bush	8/12/2010

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<b>DATE</b> 10/25/2001	<b>DATE</b> 8/12/2010	DATE	<b>DATE</b> 8/12/2010

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#### Functional test procedure for an ATE tested item.

#### 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	H188522	Fixture Box

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# 6. TESTING PROCESS

- 6.1 Setup
  - **6.1.1** 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

#### 8. Attachments

8.1 None at this time.