

ABB

Parts & Repair Services
Louisville, KY

Functional Testing Specification

LOU-GED-151X1219CK10SA02

Test Procedure for a 151X1219CK10SA02

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	Dan Waddy	05/15/2019
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QUALITY APPROVAL
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DATE
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DATE

DATE
5/15/2019

1. SCOPE

1.1 This is a functional testing procedure for a 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, cracked, or loosely connected

4.2.1.2 Terminal strips / connectors - broken or cracked

4.2.1.3 Components - visually damaged

4.2.1.4 Capacitors - bloated or leaking

4.2.1.5 Solder joints - damaged or cold

4.2.1.6 Circuit board - burned or de-laminated

4.2.1.7 Printed wire runs / Traces - 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		Fluke 87 DMM (or Equivalent)
1	H188912	GENRAD Geneva Test System
1	H188756	Geneva Test Fixture EDEX #40

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6. Testing Procedure

- 6.1** Disconnect both IS200EDEXG1xxx cards from the unit.
- 6.2** Test each using test procedures LOU-GENEVA-IS200EDEX.
- 6.3** Isolate and verify functionality of SCRs, capacitor, and resistors remaining in the assembly.
- 6.4** Verify continuity of all cables.
- 6.5** Clean and reassemble the unit.
- 6.6** Follow the prints listed in N:\Design Folders\1xx\151X\151X1219CK to verify all cabling is present and that all connections have been made correctly.

6.6.1 Post Testing Burn-in Required ☐ Yes ☒ No



Note:

6.7 *TEST COMPLETE *****

7. Notes

7.1 None at this time?

8. Attachments

8.1 None at this time?