g GE Energy	**Functional Testing Specification**
Parts and & Repair Services ***Louisville, KY***	**LOU-GED-DS3820DE1x**

Test Procedure for a DS3820DE1x Drive Extender Module

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	C. Wade	7/15/2009
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C. Wade			C. Wade
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Functional test procedure for a DS3820PS1 Power Supply

1. SCOPE

1.1 This is a functional testing procedure for a.

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 DS3820PS1 Documentation Folder

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 the local documented procedures 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		Fluke 85 DMM (or Equivalent)
1		

6. TESTING PROCESS

6.1 Setup

6.1.1 Be watchful of loose hardware on assembly, if loose hardware is found replace. Hardware on heat sinks needs to be tight, add washer and nut to bolt on heat sinks to secure unit better.

6.2 Testing Procedure

6.2.1 See following pages.

6.2.2

6.2.3

6.2.4

6.2.5

6.3 ***TEST COMPLETE ***

7. NOTES

7.1 None at this time

8. Oscilloscope Verification Examples:

8.1 None at this time