



GE Energy

Functional Testing Specification

*Parts & Repair Services
Louisville, KY*

LOU-GED-IC3600SPRA1

Test Procedure for a IC3600SPRA1

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial Release	Jeffrey Barton	10/19/09
B			
C			

© COPYRIGHT GENERAL ELECTRIC COMPANY

Hard copies are uncontrolled and are for reference only.

PROPRIETARY INFORMATION – THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GENERAL ELECTRIC COMPANY AND MAY NOT BE USED OR DISCLOSED TO OTHERS, EXCEPT WITH THE WRITTEN PERMISSION OF GENERAL ELECTRIC COMPANY.

PREPARED BY Jeffrey Barton	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL Charlie Wade
DATE 10/19/09	DATE	DATE	DATE 10/20/2009

LOU-GED-IC3600SPRA1 REV. A	g GE Energy Parts & Repair Services Louisville, KY	Page 2 of 3
-------------------------------	--	-------------

1. SCOPE

1.1 This is a functional testing procedure for a Pulse Rate Analog (IC3600SPRA1) 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 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 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, 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
2		Freq. Generator
1		Oscilloscope
1		IC3600 Gen. Purpose Conn. Box

6. TESTING PROCESS

6.1 Setup

6.1.1 Pulse Rate / Analog circuits are a digital input with an analog output.

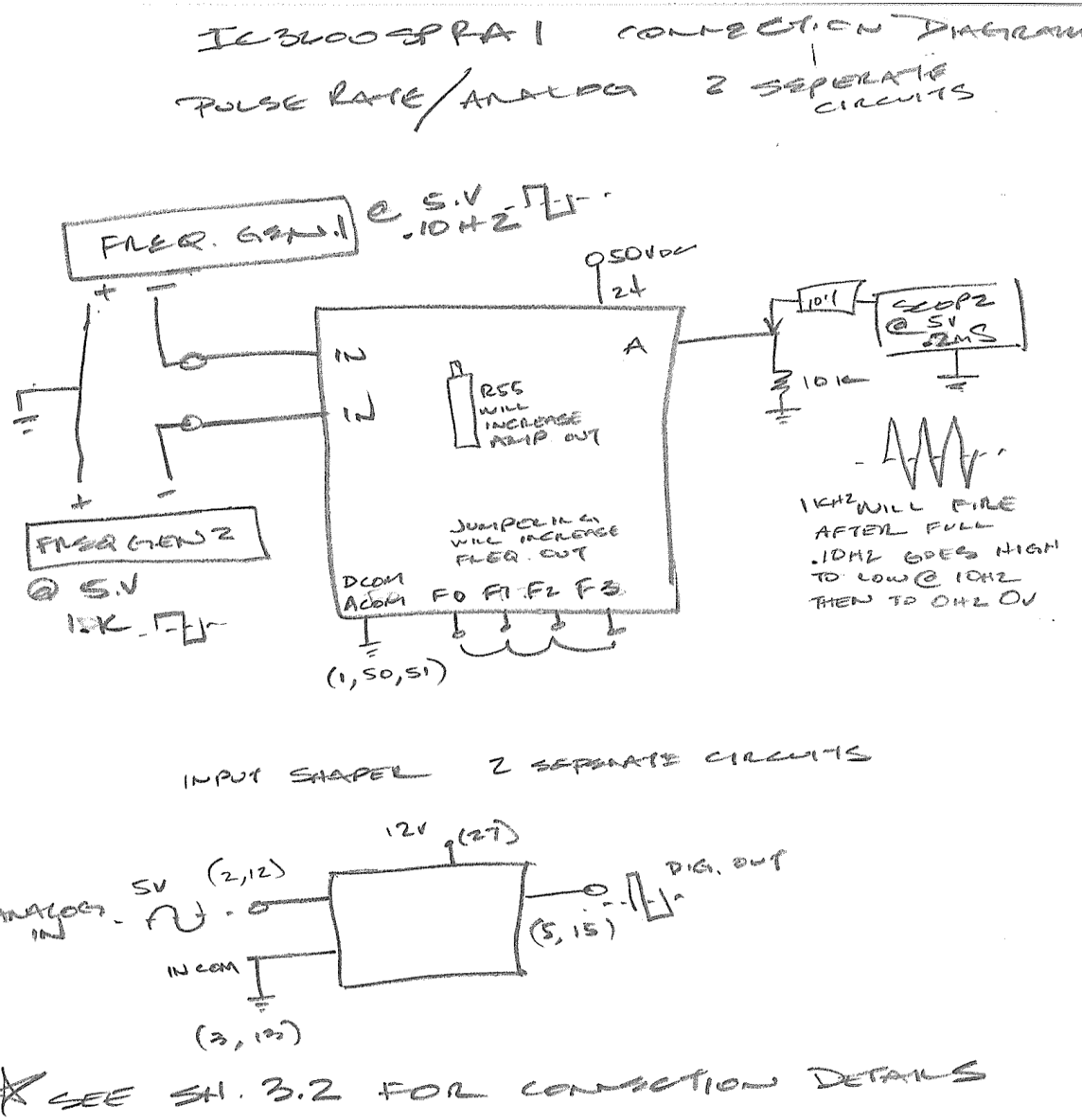
6.1.2 Input Shaper circuits are a analog input with a digital output.

6.1.3 Connect as described on connection diagram sheet.



Note: This card has 4 separate circuits, 2 each of the same circuit and must be tested as per Sh. 3.0

6.2 Testing Procedure



6.2.1 ***TEST COMPLETE

7. NOTES

7.1 None at this time