g	G	E Energy	Functional Testing Specification
	Parts & Repair Services		LOU-GED-189A6383

Test Procedure for a 189A6383G1 & G2 cards

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
А	Transfer of information to L-Ville format	G. Chandler	11/16/2012
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С			

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PREPARED BY G. Chandler	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL Charlie Wade
DATE 11/16/2012	DATE	DATE	DATE 11/16/2012

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1. SCOPE

1.1 This is a functional testing procedure for 189A6383G1 & G2 cards

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		15VDC Power Supply
1		Voltage Calibrator
1		Function Generator
1		Frequency Counter
1		Oscilloscope
1		Fluke 85 or equivalent
3		1K ohm ½ watt resistors

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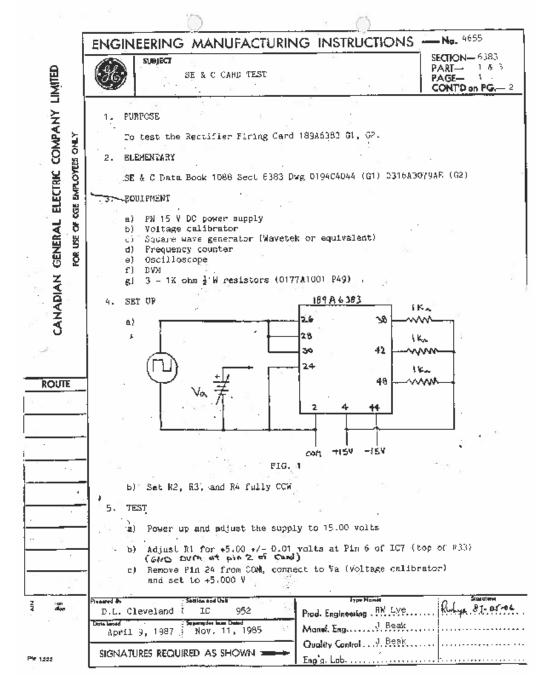
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6. Modifications/Upgrades

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6.1 Check Orange Book for any modifications or upgrades.

7. Testing Process



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	ENGINEERING MANUFACTURING INSTRUCTIONS	No. 4655
MITED	SZ & C CARD TEST	SECTION—6383 PART— 1 & 3 PAGE— 2 CONTID on PG.—3
. ⊐ Ž	5. Test - cont'a	
MPA	d) Check the voltage at Pin 6 of 107 (top of M33) is 0.0	#Val.
ECTRIC CÓMPA EMILOYEES ONLY	 a) Adjust the signal generator for a 60.00 Hz 18V square NOTE: use the frequency counter to keep the generator 60.00 Hz during test. 	
CANADIAN GENERAL ELECTRIC COMPANY LIMITED FOR USE OF CGF EMPLOYEES CHLY	1,04	, INBUT
SENERAL FOR USE OF	8333 ms	
. 45 g	В ————————————————————————————————————	
- ADIA	first pulse ezems 15 to zone	
୍ଷ		√ 10/15
	0V L L L L L L L L	g ²
ROUTE	fl Check the waveform at Pin 56 is as in FIG 28.	
<u>×</u>	g) Adjust R5 for a pulse width (W) of 5.6 +/- 0.2 ms h) Repeat f) and g) for Pin 40/R6 and Fin 46/R?	
20	1) Check the waveform on Pins 35, 42 and 46 is as in FI	g 2g (* '
9.1	j) Connect Pin 24 to COM and adjust H2 CW until the wav is within 10 us of the falling edge of 8 نام المالية	
· <u>.</u>	(k) Repeat j) for Pin 46/R3 and Pin 46/R4	Dies 26 - 60
	1) Connect Pin 24 to +5.300 volts and note the waveform 46 is within 10 us of the rising edge of A	
V	m) Dumper Pin 32 to P15V and note all pulses on Pins 36 and 48 stop	, 38, 40, 42, 46
- 100	Proposed By Section and Unit Type Name:	Stanotone
Z Jdillon Z Jdillon	D.L. Cleveland IC 952 Prod. Engineering PM. LVS	Kenlyn #7-05-01
	April 9, 1987 Nov. 11, 1985 Quality Control . J. Beak.	•
PW 1222 .	SIGNATURES REQUIRED AS SHOWN Eng g. Lab.	i

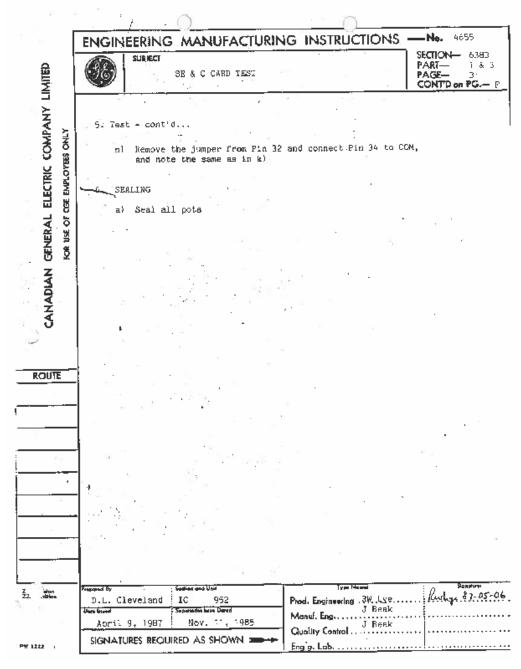
7.2

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7.3

7.4 ***TEST COMPLETE ***

8. Notes

8.1 None at this time.

9. Attachments

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9.1 None at this time.