g		GE Industri	ial Systems	Functional Testing Specification		
	Renewal Servi Louisville,KY	ices		LOU	-GED-193X701	AR
	Test Procedure for a Card					
DOCUM	MENT REVISION STATUS:	Determined by the last e	ntry in the "REV" a	nd "DATE" column		
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DATE 07/16/	/02	DATE	DATE		DATE 08/09/02	

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LOU-GED-193X701AR REV. A

GE Industrial Systems Renewal Services Louisville, KY

Page 2 of 6

Functional test procedure for a Discriminator Card

1. SCOPE

1.1 This is a functional testing procedure for a 193X701AR Discriminator 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 193X701AR Documentation Folder
 - 3.1.2 QSI # 2150, Factory Test instruction
 - 3.1.3 36C759242AA, Schematic

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.

	g	
LOU-GED-193X701AR	GE Industrial Systems	Page 3 of 6
REV. A	Renewal Services	
	Louisville, KY	

Qty	Reference #	Description	
1		Fluke 85 DMM (or Equivalent)	
1	H033960	193X701AR Test Fixture	

LOU-GED-193X701AR
REV. A

GE Industrial Systems
Renewal Services
Louisville, KY

Page 4 of 6

6. <u>TESTING PROCESS</u>

6.1 Setup

6.1.1

Note:

6.2 Testing Procedure

6.2.1 See Following Sheets

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LOU-GED-193X701AR REV. A

GE Industrial Systems Renewal Services Louisville, KY

Page 5 of 6

			ARIATOR DEP.		#2150
556755666000000000000000000000000000000	Hereal Lectoic	TITLE / DISCRIM	INATOR - 193X701ARC	301	REVISION
	l.0 Applicable D Diagram 36C7	<u>ócuments</u> 59242AA and Parts	List		The second secon
		nd Program Board		-	
	Place the Place the America 4.0 Test Procedu	on voc , all	suitches on test.	fixture should	be in apposite
		in test fixtu	test stand.	operate grand pp 35	
	snould	change by at least			
	down an	to supplied and supplied	neter should change adjust pot, it shoul	By placing	SV up and have the
	S2. 🚅			FU6 V	its. Organ
	4.5 Place S	3 and S4 down. The	voltmeter should s	show approximately	0
=	en it.		e steps, place the	component accepts	nce stamps
	5.0 <u>Scope of tes</u> 5.1 Step 4.	I sets the supply	yolrage.	, ,	(-\6^0¢
	5.2 Step 4.	2 checks the range	e of the zero adjust		Mgr. Meg.
		3 reverses the photo support.	ese of the 6.3 vac	input and adjusts	Mgr. Prod. Eng. Mgr. Mat. Mgr. Sys. Eng.
		4 changes the inputer places for proper pl	at trom 6.3 vac no lansing.	110 VAC input.	Foreman-Fest Foreman-Test
		5 changes from 4-5 see diagram) check	5-6 secondary of TX ophosing	386 and TX388 to	NorDev Eng
1	*Change or Ad	dition			
1	5/-100 (2)	fails check	PREPARED BY W.R. Laurenson 1/14/69 W.P.P.	J. D. Campbell	PAGE 1
© COPYRIG S / E #	THE TWO	black wire		10:43AM;GE INDSYS	· :Z0-6 -8

	g	
LOU-GED-193X701AR	GE Industrial Systems	Page 6 of 6
REV. A	Renewal Services	_
	Louisville, KY	

6.3 ***TEST COMPLETE ***

- 7. NOTES
- 8. Oscilloscope Verification Examples:

Fig. 1

Fig. 2