



***ADDENDUM NO. 1 TO LBI-38585B***

*(PCSC)*

This addendum incorporates updated information for the EDCAS MASTR II Station as used in simulcast applications and is to be applied to Appendix A. Updated information includes the Cable Connection Diagram (19D903880 REV. 9), the addition of sheets 10 of the Cable Assembly Guide, and the latest revision to the Application Assembly, Schematic and Interconnection and Block Diagrams.

CABLE FOR SYSTEM INTERCONNECTION  
CABLE # IS 19D903880P---

P01 MODULAR PLUG (RJ12) SIX POSITION FOUR LOADED  
P01-2 AND P01-3 ARE A PAIR  
P01-4 AND P01-5 ARE A PAIR  
CABLE HAS 2 TWISTED PAIRS (ROUND OR OVAL)

CABLE #10 STATION AUDIO (STN CAB)  
MODEM DATA (STN CAB)  
E/M KEYING (STN CAB SPECIAL)  
CTIS AUDIO (CTIS RIC CAB)

		LENGTH OF CABLES (INCHES)					
P01-2	SPADE LUG #6 SCREW (BLUE /WHITE)	CABLE 10	11	12	13	14	15
P01-3	SPADE LUG #6 SCREW (WHITE /BLUE)	36"	54"	60"	76"	87"	97"
P01-4	SPADE LUG #6 SCREW (ORANGE /WHITE)						
P01-5	SPADE LUG #6 SCREW (WHITE /ORANGE)						

CABLE #20 GETC DATA TO SITE CONTROLLER (STN CAB) CABLE 20 21 22 23 24 25  
GETC DATA TO SERIAL LINK (STN CAB) 20" 44" 60" 76" 87" 97"  
DOWNLINK TO SERIAL LINK (SITE CNTL CAB)  
DB-9 IS A MALE CONNECTOR

P01-2 DB-9 PIN 3  
P01-3 DB-9 PIN 1  
P01-4 DB-9 PIN 2  
P01-5 DB-9 PIN 1 (TWO WIRE TO PIN 1)

CABLE #30 POWER MONITOR TO SENSOR (STN CAB) CABLE 30 31 32 33  
PHONO CONNECTOR-- 20" 44" 60" 76"  
-- VOLTREX 5-005 (MATES WITH SWITCHCRAFT 3501FP)  
ONE JACKETED TWISTED PAIR

P01-2 PHONO CENTER PIN  
P01-3 PHONO CASE  
P01-4  
P01-5

CABLE #40 RIC TO LIX (STN CAB) CABLE 40 41 42 43  
CTIS RIC AUDIO TO LIX (CTIS CAB) 20" 44" 60" 76"  
DB-9 IS A MALE CONNECTOR

P01-2 DB-9 PIN 3  
P01-3 DB-9 PIN 2  
P01-4  
P01-5

CABLE #45 SITE CONTROLLER TO LIX (SITE CNTL CAB) CABLE 45  
P02 IS A PIN MOLEX CONNECTOR (FEMALE TIN PLATED) 54"  
HOUSING 22-01-3037  
CONTACTS 08-50-0113

P01-2 P02-1  
P01-3 P02-3  
P01-4  
P01-5

DO NOT USE REPLACE BY CABLE 210

CABLE #50 RIC TO SERIAL LINK (STN CAB) CABLE 50 51 52  
P02 IS A DB-9 CONNECTOR MALE 20" 44" 60"  
P03 IS A DB-9 CONNECTOR MALE  
CABLE HAS 8 WIRES WITH SHIELD

P02-1 P03-1 DRAIN  
P02-2 P03-2 A  
P02-3 P03-3 B  
P02-4 P03-4 C  
P02-5 P03-5 D  
P02-6 P03-6 E  
P02-7 P03-7 F  
P02-8 P03-8 G  
P02-9 P03-9 H

CABLE #60 SITE CONTROLLER GETC DATA (SITE CNTL CAB) CABLE 60  
DB-25 IS A FEMALE CONNECTOR 54"

P01-2 DB-25 PIN 3  
P01-3 DB-25 PIN 7  
P01-4 DB-25 PIN 2  
P01-5 DB-25 PIN 7

CABLE #61 SITE CONTROLLER GETC DATA (VAX SITE CNTL) CABLE 61  
P01 AND P02 ARE SHIELD 8 POSITION MODULAR CONNECTOR 54"  
AMP 5-555178-3 -----CABLE IS C&M 10217

THESE ARE SHIELDED CONNECTORS SHIELD CONNECTS TO CASE AT BOTH ENDS  
SHIELD OF MODULAR CONNECTOR CONNECTS TO FOIL OF CABLE

P01-1 P01-1 DRAIN  
P01-2 P01-2  
P01-3 P01-3  
P01-4 P01-4  
P01-5 P01-5  
P01-6 P01-6  
P01-7 P01-7  
P01-8 P01-8

CABLE #70 POWER MONITOR TO CC (SITE CNTL CAB) CABLE 70  
P02 IS A DB-37 CONNECTOR MALE 36"

HOUSING FOR P02 MUST NOT EXCEED THICKNESS OF .620 SIMILAR  
TO AMP PART 747100-1  
P03 IS A DB-37 CONNECTOR FEMALE  
CABLE HAS 9 TWISTED PAIRS WITH SHIELD  
(SHIELD CONNECTS TO CASE AT P03)

P02-01 P03-01 TX01 HI  
P03-02 A  
P02-03 P03-03 TX02 HI  
P03-04 B  
P02-05 P03-05 TX03 HI  
P03-06 C  
P02-07 P03-07 TX04 HI  
P03-08 D  
P02-09 P03-09 TX05 HI  
P03-10 E  
P02-11 P03-11 TX06 HI  
P03-12 F  
P02-13 P03-13 TX07 HI  
P03-14 G  
P02-15 P03-15 TX08 HI  
P03-16 H

**INTERCONNECT CABLES**

P02-17	P03-17	TX09 HI
	P03-18	I
P02-19		
	P03-19	
P02-20	P03-20	TX01 LO
	P03-21	A
P02-22	P03-22	TX02 LO
	P03-23	B
P02-24	P03-24	TX03 LO
	P03-25	C
P02-26	P03-26	TX04 LO
	P03-27	D
P02-28	P03-28	TX05 LO
	P03-29	E
P02-30	P03-30	TX06 LO
	P03-31	F
P02-32	P03-32	TX07 LO
	P03-33	G
P02-34	P03-34	TX08 LO
	P03-35	H
P02-36	P03-36	TX09 LO
	P03-37	I

P02-ALL OTHER PINS ARE NOT CONNECTED

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 CABLE #71 POWER MONITOR TO CC (SITE CNTRL CAB)      CABLE 71  
 P02 IS A DB-9 CONNECTOR MALE      36"  
 P03 IS A DB-15 CONNECTOR FEMALE  
 HOUSING FOR P02 MUST NOT EXCEED THICKNESS OF .620  
 CABLE HAS 4 TWISTED PAIRS WITH SHIELD  
 (SHIELD CONNECTS TO CASE AT P03)  
 JUMPER

P02-01	P03-01	ANT01F HI
P02-02	P03-02	ANT01R HI
P02-03	P03-03	ANT02F HI
P02-04	P03-04	ANT02R HI
	A P03-05	ANT03F HI
	B P03-06	ANT03R HI
	C P03-07	ANT04F HI
	D P03-08	ANT04R HI
P02-06	P03-09	ANT01F LO
P02-07	P03-10	ANT01R LO
P02-08	P03-11	ANT02F LO
P02-09	P03-12	ANT02R LO
	A P03-13	ANT03F LO
	B & D P03-14	ANT03R LO ANT04R LO
	C P03-15	ANT04F LO

P02-05

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 CABLE #72 POWER MONITOR TO CC (SITE CNTRL CAB)      CABLE 72  
 P02 IS A DB-9 CONNECTOR MALE      36"  
 P03 IS A DB-25 CONNECTOR FEMALE  
 HOUSING FOR P02 MUST NOT EXCEED THICKNESS OF .620  
 CABLE HAS 2 TWISTED PAIRS WITH SHIELD  
 (SHIELD CONNECTS TO CASE AT P03)

**INTERCONNECT CABLES**

(19D903880, Sh. 2, Rev. 8)

P02-01	P03-01	TX19	HI
	P03-02	AA	
P02-03	P03-03	TX20 HI	
	P03-04	BB	
P03-05			
P03-06			
P03-07			
P02-01	P03-01	TX19	HI
	P03-02	AA	
P02-03	P03-03	TX20 HI	
	P03-04	BB	
P03-08			
P03-09			
P03-10			
P03-11			
P03-12			
P03-13			
P02-06	P03-14	TX19 LO	
		AA	
P03-15			
P02-08	P03-16	TX20 LO	
		BB	
P03-17			
P03-18			
P03-19			
P03-20			
P03-21			
P03-22			
P03-23			
P03-24			
P03-25			

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 CABLE 80 LIX TO SITE CONTROLLER (SITE CNT CAB)      CABLE 80  
 P01 DB-9 MALE      54"  
 P02 DB-25 FEMALE

P01-01	P02-01	SHIELD
P01-02	P02-07	SIGNAL GND
P01-03		
P01-04		
P01-05		
P01-06		
P01-07	P02-02	RX DATA
P01-08		
P01-09	P02-03	TX DATA
	P02-04	
	P02-05	
	P02-06	
	P02-08	
	P02-09	
	P02-10	
	P02-11	
	P02-12	
	P02-13	
	P02-14	
	P02-15	
	P02-16	

P02-17  
 P02-18  
 P02-19  
 P02-20  
 P02-21  
 P02-22  
 P02-23  
 P02-24  
 P02-25

CABLE 81 LIX TO SITE CONTROLLER (VAX SITE CNT CAB) CABLE 81  
 P01 DB-9 MALE 54"  
 P02 IS A SHIELD 8 POSITION MODULAR CONNECTOR  
 AMP 5-555178-3 -----CABLE IS C&M 10217  
 SHIELD OF MODULAR CONNECTOR CONNECTS TO FOIL OF CABLE

P01-01	P02-01	SHIELD (DRAIN WIRE)
P01-07	P02-02	RX DATA
P01-09	P02-03	TX DATA
	P02-04	
	P02-05	
	P02-06	
P01-02	P02-07	SIGNAL GND
	P02-08	
P01-03		
P01-04		
P01-05		
P01-06		
P01-08		

CABLE #90 GETC TO EMULEX PANEL CABLE 90  
 P01 DB-9 MALE (SITE CNTL CAB) 54"  
 P02 DB-25 FEMALE

	P02-01	SHIELD
P01-01	P02-07	SIGNAL GND
P01-02	P02-02	RX DATA
P01-03	P02-03	TX DATA
P01-04		
P01-05		
P01-06		
P01-07		
P01-08		
P01-09		
	P02-04	
	P02-05	
	P02-06	
	P02-08	
	P02-09	
	P02-10	
	P02-11	
	P02-12	
	P02-13	
	P02-14	
	P02-15	
	P02-16	
	P02-17	
	P02-18	
	P02-19	
	P02-20	
	P02-21	
	P02-22	

P02-23  
 P02-24  
 P02-25

CABLE #91 GETC TO EMULEX PANEL CABLE 91  
 P01 DB-9 MALE (VAX SITE CNTL CAB) 54"  
 P02 IS A SHIELD 8 POSITION MODULAR CONNECTOR  
 AMP 5-555178-3 -----CABLE IS C&M 10217  
 SHIELD OF MODULAR CONNECTOR CONNECTS TO FOIL OF CABLE

	P02-01	SHIELD
P01-02	P02-02	RX DATA
P01-03	P02-03	TX DATA
	P02-04	
	P02-05	
	P02-06	
P01-01	P02-07	SIGNAL GND
	P02-08	
P01-04		
P01-05		
P01-06		
P01-07		
P01-08		
P01-09		

CABLE # 100 POWER MONITOR TO SITE CONTROLLER CABLE 100  
 TU TO SITE CONTROLLER (SITE CNTL CAB) 54"  
 ACU TO SITE CONTROLLER  
 P01 DB-25 MALE  
 P02 DB-25 FEMALE

P01-01	P02-01	SHIELD
P01-03	P02-02	TX DATA
P01-02	P02-03	RX DATA
P01-04		JUMPER A
P01-05		JUMPER A
P01-06		JUMPER B
P01-07	P02-07	SIGNAL GND
P01-08		
P01-09		
P01-10		
P01-11		
P01-12		
P01-13		
P01-14		
P01-15		
P01-16		
P01-17		
P01-18		
P01-19		
P01-20		JUMPER B
P01-21		
P01-22		
P01-23		
P01-24		
P01-25		

P02-04  
 P02-05  
 P02-06  
 P02-08  
 P02-09

**INTERCONNECT CABLES**

(19D903880, Sh. 3, Rev. 8)

P02-10  
 P02-11  
 P02-12  
 P02-13  
 P02-14  
 P02-15  
 P02-16  
 P02-17  
 P02-18  
 P02-19  
 P02-20  
 P02-21  
 P02-22  
 P02-23  
 P02-24  
 P02-25

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 CABLE # 101 POWER MONITOR TO SITE CONTROLLER CABLE 101  
 TU TO SITE CONTROLLER (VAX SITE CNTL CAB) 54"  
 ACU TO SITE CONTROLLER  
 P01 DB-25 MALE  
 P02 IS A SHIELD 8 POSITION MODULAR CONNECTOR  
 AMP 5-555178-3 -----CABLE IS C&M 10217  
 SHIELD OF MODULAR CONNECTOR CONNECTS TO FOIL OF CABLE

P01-01	P02-01	SHIELD
P01-03	P02-02	TX DATA
P01-02	P02-03	RX DATA
	P02-04	
	P02-05	
	P02-06	
P01-07	P02-07	SIGNAL GND
P02-08		
P01-04		JUMPER A
P01-05		JUMPER A
P01-06		JUMPER B
P01-08		
P01-09		
P01-10		
P01-11		
P01-12		
P01-13		
P01-14		
P01-15		
P01-16		
P01-17		
P01-18		
P01-19		
P01-20		JUMPER B
P01-21		
P01-22		
P01-23		
P01-24		
P01-25		

CABLE #110 MODEM TO SITE CONTROLLER (SITE CNTL CAB) CABLE 110  
 P01 DB-25 MALE 54"  
 P02 DB-25 FEMALE

P01-01	P02-01	SHIELD
P01-02	P02-02	TX DATA
P01-03	P02-03	RX DATA
P01-04	P02-04	RTS
P01-05	P02-05	CTS
P01-06	P02-06	DSR
P01-07	P02-07	SIGNAL GND
P01-08	P02-08	DCD
P01-09		
P01-10		
P01-11		
P01-12		
P01-13		
P01-14		
P01-15		
P01-16		
P01-17		
P01-18		
P01-19		
P01-20	P02-20	DTR
P01-21		
P01-22		
P01-23		
P01-24		
P01-25		
	P02-09	
	P02-10	
	P02-11	
	P02-12	
	P02-13	
	P02-14	
	P02-15	
	P02-16	
	P02-17	
	P02-18	
	P02-19	
	P02-21	
	P02-22	
	P02-23	
	P02-24	
	P02-25	

CABLE #120 CABINET TO CABINET CABLE 120 121 122 123 124 125 126  
 TELCO CONNECTOR 25 TWISTED PAIR SHIELDED 5FT 15FT 7FT 10FT 20FT 25FT 30FT  
 AMP # 5-555012-1 OR 5-555012-2  
 (RT ANGLE CASE, WITH BAIL LOCK MATING 127 128 129  
 CABLE TO EXIT ON PIN 1/26 END) 35FT 40FT 50FT  
 P01 AND P02 MALE CONNECTOR  
 WIRE SIZE #28 STRANDED  
 STRAIGHT THROUGH CONNECTION 1-1, 2-2 ETC.  
 SHIELD CONNECT TO CASE BOTH ENDS  
 CABLE TO MARKED WITH ERICSSON-GE NUMBER 19D903880P120 FOR 5' OR  
 19D903880P121 FOR 15' CABLE

**INTERCONNECT CABLES**

(19D903880, Sh. 4, Rev. 8)

CABLE #130 SERIAL LINK CABINET TO CABINET CABLE 130 131 132 133 134 135  
 P01 ABD P02 DB-15 MALE CONNECTOR 5FT 15 FT 20FT 25FT 30FT 35FT  
 STRAIGHT THROUGH CONNECTION 1-1, 2-2 ETC.  
 SHIELD CONNECT TO CASE BOTH ENDS 136 137 138  
 40FT 45FT 50FT

NOT USED ON NEW DESIGN CABLE 140  
 CABLE #140 RIC TO SITE CONTROLLER (SITE CNTL CAB) CABLE 140  
 P01 DB-9 MALE 54"  
 P02 DB-25 FEMALE

P01-01 P02-01 SHIELD  
 P01-02  
 P01-03  
 P01-04 P02-07 SIGNAL GND  
 P01-05  
 P01-06  
 P01-07 P02-02 RX DATA  
 P01-08  
 P01-09 P02-03 TX DATA  
 P02-04  
 P02-05  
 P02-06  
 P02-08  
 P02-09  
 P02-10  
 P02-11  
 P02-12  
 P02-13  
 P02-14  
 P02-15  
 P02-16  
 P02-17  
 P02-18  
 P02-19  
 P02-20  
 P02-21  
 P02-22  
 P02-23  
 P02-24  
 P02-25

CABLE #145 RIC TO SITE CONTROLLER (SITE CNTL CAB) CABLE 145  
 NEW SERIAL MODULE WITH RJ-11 REPLACING DB-9 54"  
 P01 RD-11 SIX CIRCUIT FOUR LOADED  
 P02 DB-25 FEMALE  
 P02-01  
 P01-04 P02-03 TX DATA  
 P01-05 P02-02 RX DATA  
 P01-03 P02-07 SIGNAL GND  
 P01-01  
 P01-02  
 P01-06 P02-04  
 P02-05  
 P02-06  
 P02-08  
 P02-09  
 P02-10  
 P02-11  
 P02-12  
 P02-13

P02-14  
 P02-15  
 P02-16  
 P02-17  
 P02-18  
 P02-19  
 P02-20  
 P02-21  
 P02-22  
 P02-23  
 P02-24  
 P02-25

CABLE # 150 POWER CONNECTOR TO BACKUP DOWNLINK GETC CABLE 150  
 1 PAIR #16 RED/BLACK 60"  
 TERMINATED BOTH ENDS WITH SPADE LUGS FOR #6 SCREW

CABLE #160 SIMULCAST TX SITE RESET CABLE 160 161 162  
 P01/P02 MODULAR PLUG (RJ11) SIX POSITION FOUR LOADED 20" 72" 10FEET  
 P01-1 AND P01-6 ARE A PAIR  
 P01-2 AND P01-3 ARE A PAIR  
 P01-4 AND P01-5 ARE A PAIR  
 CABLE HAS 3 TWISTED PAIRS (ROUND OR OVAL)

P01-1 P02-1  
 P01-2 P02-2  
 P01-3 P02-3  
 P01-4 P02-4  
 P01-5 P02-5  
 P01-6 P02-6

CABLE #170 SIMULCAST TX SITE (TUAI GETC)  
 P01 MODULAR PLUG (RJ11) SIX POSITION SIX LOADED  
 P02 IS A DB-9 MALE  
 CABLE HAS 6 WIRES (ROUND OR OVAL)

P01-1 P02-1 CABLE 170  
 P01-2 P02-2 72"  
 P01-3 P02-3  
 P01-4 P02-4  
 P01-5 P02-5  
 P01-6 P02-9

CABLE #180 SITE CONTROLLER (DOWNLINK TO DIST PANEL)  
 P01 DB-9 MALE(OLD SYSTEM)  
 P02 DB-9 MALE (MARK THIS CONNECTOR P02)  
 CABLE HAS 2 PAIR CABLE (ROUND OR OVAL)  
 DRAIN WIRE P02-1

P01-2 P02-2 CABLE 180  
 P01-3 P02-3 48"  
 P02-4  
 P02-5  
 P02-6  
 P01-1 P02-7  
 P02-8  
 P02-9  
 P01-4  
 P01-5  
 P01-6  
 P01-7  
 P01-8  
 P01-9

**INTERCONNECT CABLES**

CABLE #190 SIMULCAT TX SITE (TEST UNIT) CABLE 190  
 P01 19A700041P29 CONNECTOR HOUSING (MOLEX 22-01-2035) 24"  
 19A704779P25 CONTACT (MOLEX 08-55-0102)  
 19B209260P103 TERMINAL (#6 SCREW SPADE LUG) (AMP 60445-2)  
 CABLE 1 TWISTED PAIR (19A115377P5)  
 P1-01 ORANGE TERMINATED WITH SPADE LUG  
 P1-03 BROWN or BLACK TERMINATED WITH SPADE LUG

CABLE #200 SIMULCAT TX SITE (CONTROL CHANNEL MONITOR) CABLE 200  
 P01 19A700041P29 CONNECTOR HOUSING (MOLEX 22-01-2035) 60"  
 19A704779P25 CONTACT (MOLEX 08-55-0102)  
 P02 RJ-11 SIX CIRCUIT FOUR LOADED  
 CABLE 1 TWISTED PAIR (19A115377P5)  
 P1-01 P2-03 SIGNAL GND  
 P1-03 P2-02 BACK-UP LINK  
 P1-02 NOT USED  
 P2-04 NOT USED  
 P2-05 NOT USED

CABLE #210 CTIS RIC SERIAL LINK (CTIS CAB) CABLE 210 211  
 STN RIC TO SERIAL LINK (STN CAB) 48" 76"  
 P01 IS A RJ-11 SIX CIRCUIT ALL LOADED  
 P02 IS A DB-9 CONNECTOR MALE  
 CABLE HAS 3 TWISTED PAIRS  
 1/2 3/4 5/6 ARE PAIRS  
 P02-1  
 P02-2  
 P02-3  
 P01-3 P02-4 SIG GND MASTER  
 P01-1 P02-5 SIG GND BACKUP  
 P01-6 P02-6 REC BACKUP  
 P01-5 P02-7 REC MASTER  
 P01-2 P02-8 XMIT BACKUP  
 P01-4 P02-9 XMIT MASTER

CABLE #220 EURO CABINET CABLE 220  
 (SPADE LUG TO BE 4" BEYOND JACKET) LENGTH OF CABLES (INCHES)  
 P01 IS A DB-9 MALE CABLE 220  
 CABLE HAS 4 TWISTED PAIRS 48"  
 1-2, 3-4, 5-6, 7-8 ARE PAIRS  
 P01-1 SPADE LUG #6 SCREW (BLUE /WHITE)  
 P01-2 SPADE LUG #6 SCREW (WHITE /BLUE)  
 P01-3 SPADE LUG #6 SCREW (ORANGE /WHITE)  
 P01-4 SPADE LUG #6 SCREW (WHITE /ORANGE)  
 P01-5 SPADE LUG #6 SCREW  
 P01-6 SPADE LUG #6 SCREW VENDOR TO SPECIFY COLOR  
 P01-7 SPADE LUG #6 SCREW THEN DRAWING WILL BE CHANGED  
 P01-8 SPADE LUG #6 SCREW  
 P01-9 NOT USED

CABLE # 230 TUAI JUMPER CABLE CABLE 230 231 232 233  
 1 WIRE #22 SUPER FLEX ORANGE 6" 40" 53" 72"  
 TERMINATE BOTH ENDS WITH SPADE LUGS FOR #6 SCREW

CABLE #240 TUAI RESET CABLE CABLE 240  
 P01 DB-15 MALE 60"  
 P01-8 TERMINATED WITH A #6 SPADE LUG  
 ALL OTHER PINS NOT USED

CABLE # 300 POWER SUPPLY TO FUSE PANEL (CTIS) CABLE 300 301  
 4 WIRE #14 STRANDED 36" 36"  
 TERMINATE ONE ENDS WITH SPADE LUGS FOR #6 SCREW  
 TERMINATE ONE WITH CONNECTOR PIN 344A3805P1 (AMP 350650-1) NO HOUSING  
 PART 300 RED (4 SPADE LUGS - 1 CONNECTOR PIN)  
 SPADE LUG WIRE #1 ALL 4 WIRES CONNECT TO SINGLE  
 SPADE LUG WIRE #2 CONNECTOR PIN  
 SPADE LUG WIRE #3  
 SPADE LUG WIRE #4  
 PART 301 BLACK (4 SPADE LUGS - 1 CONNECTOR PIN)  
 SPADE LUG WIRE #1 ALL 4 WIRES CONNECT TO SINGLE  
 SPADE LUG WIRE #2 CONNECTOR PIN  
 SPADE LUG WIRE #3  
 SPADE LUG WIRE #4

CABLE #400 DOWNLINK GETC TO SERIAL LINK (STN CAB) CABLE 400  
 (ONLY USED ON BASIC EDACS) 24"  
 P01 DB-15 MALE  
 P02 DB-9 MALE

P01-01 P02-3  
 P01-09 P02-1  
 P01-02 P02-2  
 P01-10 P02-1 PIN 1 (TWO WIRE TO PIN 1)  
 ALL OTHER PINS NOT USED

CABLE #500 GSC MONITOR CABLE CABLE 500  
 P01 DB-9 MALE 72"  
 P02 DB-9 FEMALE

P01-02 P02-3  
 P01-03 P02-2  
 P01-05 P02-5  
 ALL OTHER PINS NOT USED

CABLE #600 AUX RECEIVERS CABLE 600 601 602 603 604  
 P01 19A700041P29 CONN H (MOLEX 22-01-2035) 36" 54" 60" 76" 87"  
 19A704779P25 CONTACT FEMALE (MOLEX 08-55-0102)

SEE FIGURE 1 OF 344A4278  
 CABLE 2 TWISTED PAIR (CUT OFF WHITE/BLUE)  
 P01-1 SPADE LUG #6 SCREW (BLUE /WHITE)  
 P01-2 SPADE LUG #6 SCREW (ORANGE/WHITE)  
 P01-3 SPADE LUG #6 SCREW (WHITE/ORANGE)

INTERCONNECT CABLES

CABLE #650 AUX RECEIVERS (BUFFER #1 TO BUFFER #2) CABLE 650  
 P01 & P02 19A700041P29 CONN H (MOLEX 22-01-2035) 72"  
 19A704779P25 CONTACT FEMALE (MOLEX 08-55-0102)  
 CABLE 2 TWISTED PAIR (CUT OFF WHITE/BLUE)  
 P01-1 P02-1 (BLUE/WHITE)  
 P01-2 P02-20 (ORANGE/WHITE)  
 P01-3 P02-30 (WHITE/ORANGE)

POWER CABLES FOR CONTROL POINT SIMULCAST--DIGITAL RACKS

P710 P711 P712 P713 P714 P715 P716 P717 P718 P719  
 9" 18" 24" 30" 36" 42" 48" 54" 60" 120"

CABLE FOR MODEM SHELF

P710 AMP 350735-1 PLUG - CONNECT TO TERMINAL BOARD TB1  
 MALE PIN 350873-3 OR 350918-3  
 MALE PIN 350654-1 OR 350669-1 (GND PIN)  
 STRIPPED END TO BE .250 INCHES  
 WIRES CONNECTED TO +5 AND GND ARE #14 STRANDED--ALL OTHERS #16  
 P01-01 YELLOW +5 - TB1-01 STRIP AND TIN LEADS 1/2"  
 P01-0 4YELLOW +5 - TB1-02 STRIP AND TIN LEADS 1/2"  
 P01-07 YELLOW +5 - TB1-03 STRIP AND TIN LEADS 1/2"  
 P01-10 YELLOW +5 - TB1-04 STRIP AND TIN LEADS 1/2"  
 P01-02 BLACK GND - TB1-05 STRIP AND TIN LEADS 1/2"  
 P01-05 BLACK GND - TB1-06 STRIP AND TIN LEADS 1/2"  
 P01-08 BLACK GND - TB1-09 STRIP AND TIN LEADS 1/2"  
 P01-11 BLACK GND - TB1-12 STRIP AND TIN LEADS 1/2"  
 P01-03 ORANGE +12 - TB1-07 STRIP AND TIN LEADS 1/2"  
 P01-06 ORANGE +12 - TB1-08 STRIP AND TIN LEADS 1/2"  
 P01-09 BLUE -12 - TB1-10 STRIP AND TIN LEADS 1/2"  
 P01-12 BLUE -12 - TB1-11 STRIP AND TIN LEADS 1/2"

P720 P721 P722 P723 P724 P725 P726 P727 P728 P729  
 20 FEET 18" 24" 30" 36" 42" 48" 54" 60" 15FEET

CABLE FOR ANALOG DELAY--DIGITAL DELAY SHELF

P720 AMP PLUG 350779-1 P01-- 19A116659P21--MOLEX 03-50-312  
 MALE PIN 350873-3 OR 350918-3 FEMALE PIN --19A116781P13--MOLEX 08-50-0105  
 MALE PIN 350654-1 OR 350669-1 (GND PIN)  
 ALL WIRES #16  
 P05-01 YELLOW +5 - P01-1  
 P05-02 YELLOW +5 - P01-2  
 P05-03 BLACK GND - P01-5  
 P05-04 BLACK GND - P01-6  
 P01-OTHER PINS NOT USED

P730 P731 P732 P733 P734 P735 P736 P737 P738 P739  
 9" 18" 24" 30" 36" 42" 48" 54" 60" 120"

CABLE FOR ANALOG SHELF #2

P730 AMP PLUG 350766-1 - J16/J17- 19A116659P21--MOLEX 03-50-312  
 MALE PIN 350873-3 OR 350918-3 FEMALE PIN --19A116781P13--MOLEX 08-50-0105  
 MALE PIN 350654-1 OR 350669-1 (GND PIN)  
 P08-01 YELLOW +5 - P16-06 WIRE SIZE #16  
 P08-02 GREEN -24 - P16-01 WIRE SIZE #16  
 P08-03 BLACK GND - P17-02\* WIRE SIZE #16  
 P17-02 GND - P17-01 WIRE SIZE #20  
 \* NOTE PIN 02 ALSO TIES TO PIN 01

P740

CABLE FOR MASTER ALARM SHELF

P740 AMP PLUG 350720-1 (9 CIRCUIT) P01 -19B209288P38--MOLEX 03-09-1094  
 MALE PIN 350873-3 OR 350918-3 MALE PINS 19B209288P1--MOLEX 02-09-1101  
 MALE PIN 350654-1 OR 350669-1 (GND PIN) J16/J17-- 19A116659P21--MOLEX 03-50-312  
 ALL WIRES #16 FEMALE PIN --19A116781P3--MOLEX 08-50-0105  
 P09-01 YELLOW +5 - P01-01  
 P09-02 BLACK GND - P01-02  
 P09-03 BLUE -12 - P01-04  
 P09-04 ORANGE +12 - P01-07  
 P09-05 BLACK GND - P01-09  
 P01-3/5/6/8 NOT USED  
 P09-07 ORANGE +12 - J16-01  
 J16-01 +12 - J16-02 #24 RED WIRE  
 J16-02 +12 - J16-03 #24 RED WIRE  
 J16-03 +12 - J16-04 #24 RED WIRE  
 J16-04 +12 - J16-05 #24 RED WIRE  
 J16-05 +12 - J16-06 #24 RED WIRE  
 J16-06 +12 - J16-07 #24 RED WIRE  
 J16-07 +12 - J16-08 #24 RED WIRE  
 J16-08 +12 - J16-09 #24 RED WIRE  
 J16-09 +12 - J16-10 #24 RED WIRE  
 J16-10 +12 - J16-11 #24 RED WIRE  
 J16-11 +12 - J16-12 #24 RED WIRE  
 P09-06 BLACK GND - J17-01  
 J17-01 GND - J17-02 #24 BLACK WIRE  
 J17-02 GND - J17-03 #24 BLACK WIRE  
 J17-03 GND - J17-04 #24 BLACK WIRE  
 J17-04 GND - J17-05 #24 BLACK WIRE  
 J17-05 GND - J17-06 #24 BLACK WIRE  
 J17-06 GND - J17-07 #24 BLACK WIRE  
 J17-07 GND - J17-08 #24 BLACK WIRE  
 J17-08 GND - J17-09 #24 BLACK WIRE  
 J17-09 GND - J17-10 #24 BLACK WIRE  
 J17-10 GND - J17-11 #24 BLACK WIRE  
 J17-11 GND - J17-12 #24 BLACK WIRE  
 P09-08/9 NOT USED

\* TWO WIRES IN ONE TERMINAL

P750 P751  
 12 FEET 15 FEET

CABLE TO -12/-24 VOLT POWER SUPPLY PANEL

CABLE TO DIGITAL POWER PANEL/ OTHER ANALOG RACKS ANALOG POWER PANEL--  
 P750 AMP PLUG 350715-1 P14 AMP PLUG 350715-1  
 FEMALE PIN 350874-3 OR 350919-3 MALE PIN 350873-1 OR 350918-3  
 ALL WIRES #16  
 P10-01 BLUE -12 - P14-01  
 P10-02 BLUE -12 - P14-02  
 P10-03 BLACK GND - P14-03  
 P10-04 BLACK GND - P14-04  
 P10-05 GREEN -24 - P14-05  
 P10-06 GREEN -24 - P14-06

INTERCONNECT CABLES



P760 P761 P762 P763 P764 P765 P766 P767 P768 P769  
 9" 18" 24" 30" 36" 42" 48" 54" 60" 120"  
 CABLE FROM 5/ -12/ +12 POWER SUPPLY TO DIST. PANEL

P760  
 ALL SPADE LUGS 1-18 FOR #8 SCREW  
 ALL SPADE RING 19-22 FOR 1/4 BOLT  
 ALL SPADE RING 23-26 FOR 8 SCREW  
 WIRES CONNECTED TO +5 AND GND ARE #14 STRANDED--ALL OTHERS #16  
 SPADE RING #19 YELLOW +5 TB1-01 SPADE LUG 1 BUS+5  
 SPADE RING #19 YELLOW +5 TB1-02 SPADE LUG 2 BUS+5  
 SPADE RING #19 YELLOW +5 TB1-03 SPADE LUG 3 BUS+5  
 SPADE RING #20 YELLOW +5 TB1-04 SPADE LUG 4 BUS+5  
 SPADE RING #20 YELLOW +5 TB1-05 SPADE LUG 5 BUS+5  
 SPADE RING #20 YELLOW +5 TB1-06 SPADE LUG 6 BUS+5  
 SPADE RING #21 BLACK GND TB1-07 SPADE LUG 7 BUSGD  
 SPADE RING #21 BLACK GND TB1-08 SPADE LUG 8 BUSGD  
 SPADE RING #21 BLACK GND TB1-09 SPADE LUG 9 BUSGD  
 SPADE RING #22 BLACK GND TB1-10 SPADE LUG 10 BUSGD  
 SPADE RING #22 BLACK GND TB1-11 SPADE LUG 11 BUSGD  
 SPADE RING #22 BLACK GND TB1-12 SPADE LUG 12 BUSGD  
 SPADE RING #25 ORANGE +12 TB1-13 SPADE LUG 13  
 SPADE RING #26 BLUE -12 TB1-14 SPADE LUG 14  
 SPADE RING #27 BLUE -12 TB1-14 SPADE LUG 15  
 SPADE RING #28 BLACK GND TB1-15 SPADE LUG 16  
 SPADE RING #23 BROWN +5 SENS TB1-16 SPADE LUG 17 BUS+5  
 SPADE RING #24 WHITE -5 SENS TB1-17 SPADE LUG 18 BUSGD

P770 P771 P772 P773 P774 P775 P776 P777 P778 P779  
 9" 18" 24" 30" 36" 42" 48" 54" 60" 120"

CABLE FOR ANALOG PROCESSING SHELF #1  
 P770 AMP 350766-1 PLUG 3 CIRCUITS P01-- 19A116659P21--MOLEX 03-50-3121  
 MALE PIN 350873-3 OR 350918-3 FEMALE PIN --19A116781P13--MOLEX 08-50-0105  
 MALE PIN 350654-1 OR 350669-1 (GND PIN)  
 ALL WIRES #16  
 P01-01 GREEN -24 - P01-11  
 P01-03 BLACK GND - P01-07  
 P01-02 NOT USED  
 P01-OTHER PINS NOT USED

P780 P781 P782 P783 P784 P785 P786 P787 P788 P789  
 9" 18" 24 "30 "36" 42" 48" 54" 60" 15FEET

CABLE FOR UNIV SYN SHELF  
 P780 AMP PLUG 350779-1 P01-- 19A116659P21--MOLEX 03-50-312  
 MALE PIN 350873-3 OR 350918-3 FEMALE PIN --19A116781P13--MOLEX 08-50-0105  
 MALE PIN 350654-1 OR 350669-1 (GND PIN)  
 ALL WIRES #16  
 P05-01 YELLOW +5 - P01-9  
 P05-03 BLACK GND - P01-10

INTERCONNECT CABLES

(19D903880, Sh. 8, Rev. 8)

P790  
 16 FEET

P790 TO ANALOG RACKS #3--POWER PANELS  
 AMP PLUG 350715-1 P16 AMP PLUG 350715-1  
 MALE PIN 350873-3 OR 350918-3 FEMALE PIN 350873-1 OR 350918-3  
 MALE PIN 350654-1 OR 350669-1 (GND PIN)  
 ALL WIRES #16  
 P16-01 BLUE -12 - P16-01  
 P16-02 BLUE -12 - P16-02  
 P16-03 BLACK GND - P16-03  
 P16-04 BLACK GND - P16-04  
 P16-05 GREEN -24 - P16-05  
 P16-06 GREEN -24 - P16-06

P800 P801 P802 P803 P804 P805 P806 P807 P808 P809  
 9" 18" 24" 30" 36" 42" 48" 54" 60" 120"

CABLE TO -12/-24 VOLT POWER SUPPLY  
 P800 AMP PLUG 350715-1 6 CIRCUITS - ALL SPADE LUG FOR #8 SCREW  
 FEMALE PIN 350874-3 OR 350919-3 -  
 ALL WIRES #16  
 P13-01 BLUE -12 - SPADE LUG #1  
 P13-02 BLUE -12 - SPADE LUG #2  
 P13-03 BLACK GND - SPADE LUG #3  
 P13-04 BLACK GND - SPADE LUG #4  
 P13-05 GREEN -24 - SPADE LUG #5  
 P13-06 GREEN -24 - SPADE LUG #6

P810 P811 P812 P813 P814 P815 P816 P817 P818 P819  
 9" 18" 24" 30" 36" 42" 48" 54" 60" 120"

CABLE -12/-24 VOLT POWER SUPPLY TO REDUNDANT -12/-24 VOLT POWER SUPPLY  
 P810 - ALL SPADE LUG FOR #8 SCREW  
 ALL WIRES #16 -PACKAGE 6 WIRES--DO NOT TIE  
 SPADE LUG #1 BLUE -12 - SPADE LUG #1  
 SPADE LUG #2 BLUE -12 - SPADE LUG #2  
 SPADE LUG #3 BLACK GND - SPADE LUG #3  
 SPADE LUG #4 BLACK GND - SPADE LUG #4  
 SPADE LUG #5 GREEN -24 - SPADE LUG #5  
 SPADE LUG #6 GREEN -24 - SPADE LUG #6

P820 P821 P822 P823  
 9" 18" 24" 30"

CONNECTION TO EURO CABINET WITH FILTER  
 P820 P1-- RJ-45 (8 PINS)  
 P2-- DB-9 (MALE PINS)  
 FLAT OR ROUND CABLE-WIRE DO NOT HAVE TO BE PAIRED  
 P01-01 P02-01  
 P01-02 P02-06  
 P01-03 P02-02  
 P01-04 P02-07  
 P01-05 P02-03  
 P01-06 P02-08  
 P01-07 P02-04  
 P01-08 P02-09  
 P02-05 NOT USED

P830  
3"

CTIS TELEPHONE INTERCONNECT ADAPTER

P830 P1-- FEMALE RJ-45 (SIMILAR TO STEWART CONNECTOR #SS-800810-040-250)  
 P2-- FEMALE RJ-45 (SIMILAR TO STEWART CONNECTOR #SS-800810-040-250)  
 CABLE BELDEN 9538  
 MARK CABLE ENDS (P1--P2)

P01-01	P02-01
P01-02	P02-03
P01-03	P02-02
P01-04	P02-04
P01-05	P02-05
P01-06	P02-06
P01-07	P02-07
P01-08	P02-08

ALL OTHER PIN UNUSED

P900  
12FEET

P900 TO ANALOG RACKS #3--POWER PANELS  
 AMP PLUG 350715-1 6 CIRCUIT  
 MALE PIN 350873-3 OR 350918-3  
 MALE PIN 350654-1 OR 350669-1 (GND PIN)  
 ALL WIRES #16

P16-01				
P16-02				
P16-03				
P16-04	BLACK	GND	-	SPADE LUG #6
P16-05	GREEN	-24	-	SPADE LUG #6
P16-06				

CABLE 901 POWER SUPPLY TO FUSE PANEL (CTIS) 901  
 4 WIRE #14 STRANDED -RED 48"  
 TERMINATE ONE ENDS WITH SPADE LUGS FOR #6 SCREW  
 TERMINATE ONE WITH CONNECTOR PIN 344A3805P1 (AMP 350650-1) NO HOUSING

CABLE 902 POWER SUPPLY TO FUSE PANEL (CTIS) 902  
 4 WIRE #14 STRANDED -BLACK 48"  
 TERMINATE ONE ENDS WITH SPADE LUGS FOR #6 SCREW  
 TERMINATE ONE WITH CONNECTOR PIN 344A3805P1 (AMP 350650-1) NO HOUSING

CABLE 903 DEC VAX SITE CONTROLLER APAPTOR CABLE (SEE 344A4278 FIGURE 6) 903  
 P01 IS A 8 POSITION SHIELDED MODULAR CONNECTOR-AMP 5-555178-3 30"  
 SHIELDED OF MODULAR CONNECTOR CONNECTS TO FOIL OF CABLE  
 P02 DB-25 MALE CONNECTOR HOUSING WITH FEMALE SCREW LOCKS (AMP 745563-1)  
 HOUSING AMP 750078-2 OR MOLDED BY VENDOR  
 (ALL PINS LOADED IN DB-25)

P02-01	P01-01	SHIELD (DRAIN WIRE)
P02-02	P01-02	RX DATA
P02-03	P01-03	TX DATA
	P01-04	
	P01-05	
	P01-06	
P02-07	P01-07	SIGNAL GND
	P01-08	

P02-ALL OTHER PINS ARE UNUSED

CABLE 905 DEC VAX SITE CONTROLLER MODEM (SEE 344A4278 FIGURE 7) 905--54"  
 906 DEC VAX SITE CONTROLLER TO STATION ONE ADAPTER CABLE 906--30"  
 P01 DB-25 CONNECTOR -MALE CONTACTS-HOUSING AMP 750078-2 OR MOLDED BY VENDOR  
 PART 905 HAS SCREW LOCKS--PART 906 HAS FEMALE SCREW LOCKS (AMP 745563-1)  
 P02 DB-25 RIGHT ANGLE FEMALE CONTACTS-HOUSING AMP 745653-5 (SLIDE LOCK)  
 PINS 01 & 14 ARE NEXT TO THE CABLE EXIT

P01-01	P02-01	SHIELD
P01-02	P02-02	TX DATA
P01-03	P02-03	RX DATA
P01-04	P02-04	RTS
P01-05	P02-05	CTS
P01-06	P02-06	DSR
P01-07	P02-07	SIGNAL GND
P01-08	P02-08	DCD
P01-09		
P01-10		
P01-11		
P01-12		
P01-13		
P01-14		
P01-15		
P01-16		
P01-17		
P01-18		
P01-19		
P01-20	P02-20	DTR
P01-21		
P01-22	P02-22	RING INDICATOR
P01-23		
P01-24		
P01-25		

P02-09  
 P02-10  
 P02-11  
 P02-12  
 P02-13  
 P02-14  
 P02-15  
 P02-16  
 P02-17  
 P02-18  
 P02-19  
 P02-21  
 P02-23  
 P02-24  
 P02-25

INTERCONNECT CABLES

CABLE 907 DEC VAX SITE CONTROLLER FIRST STATION GETC (SEE 344A4278 FIGURE 8) 907  
P01 IS A8 POSITION MODULAR CONNECTOR AMP 5-554739-2 54"  
UNSHIELDED MODULAR CONNECTOR  
P02 DB-25 RIGHT ANGLE FEMALE CONTACTS-HOUSING AMP 745653-5-SLIDE LOCK  
PINS 01 & 14 ARE NEXT TO THE CABLE EXIT  
P02-01 P01-01 SHIELD (DRAIN WIRE)  
P02-02 P01-02 RX DATA  
P02-03 P01-03 TX DATA  
P01-04  
P01-05  
P01-06  
P02-07 P01-07 SIGNAL GND  
P01-08  
P02-ALL OTHER PINS ARE UNUSED

**INTERCONNECT CABLES**

(19D903880, Sh. 10, Rev. 8)

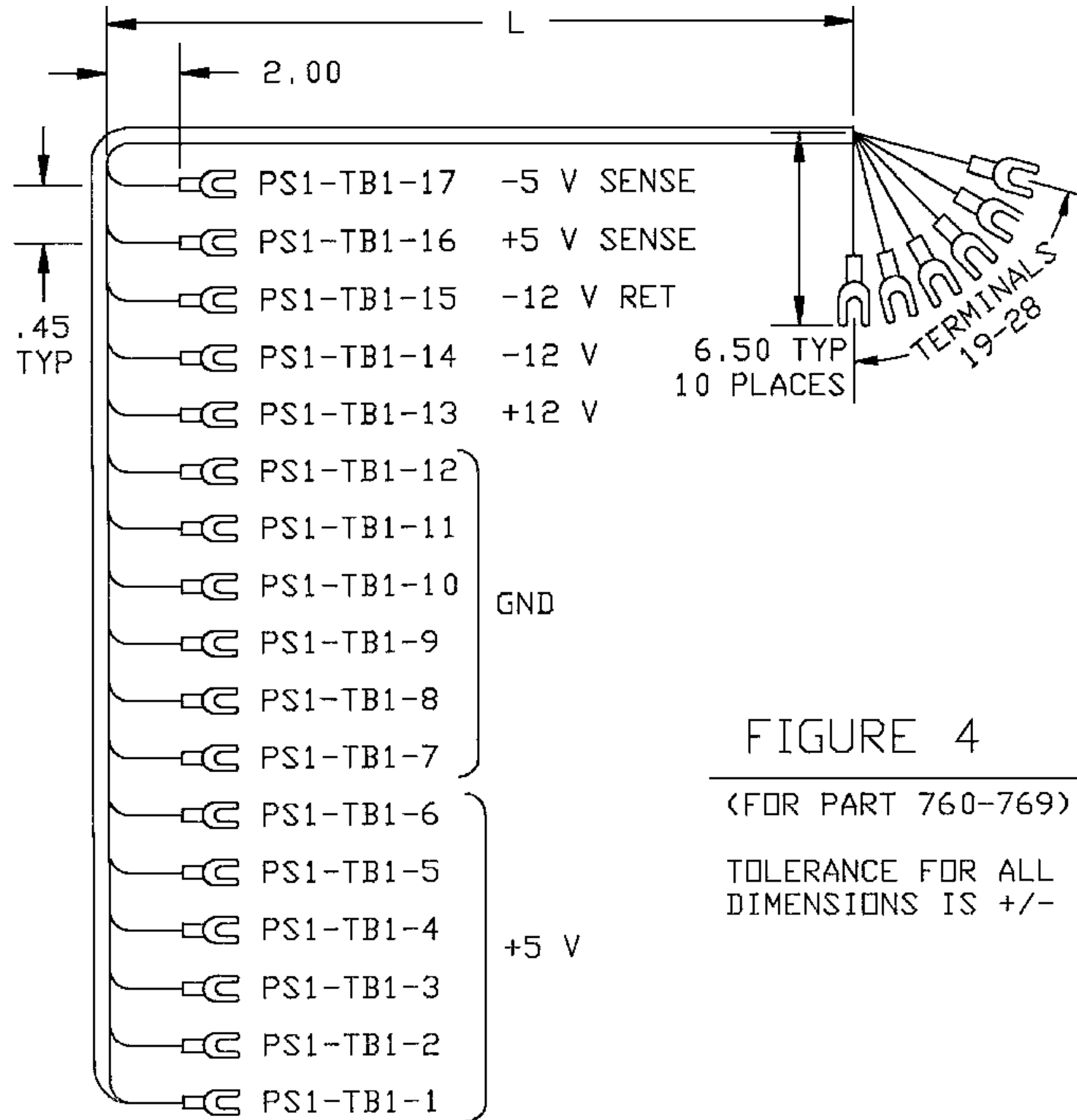
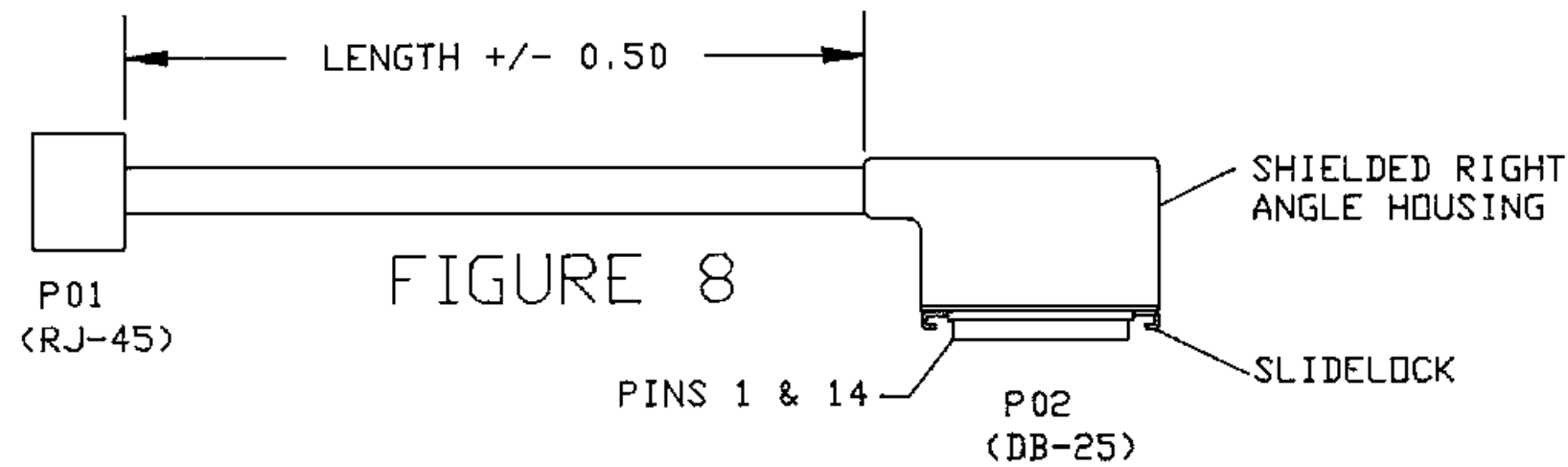
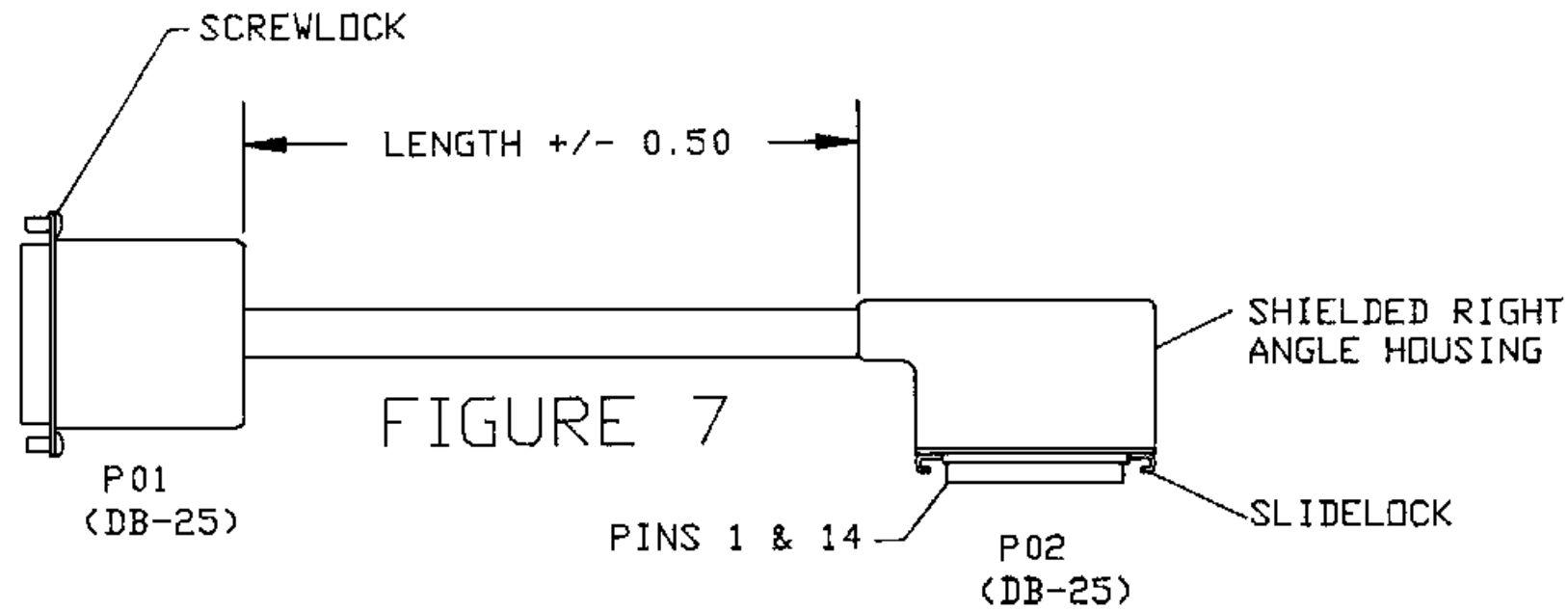
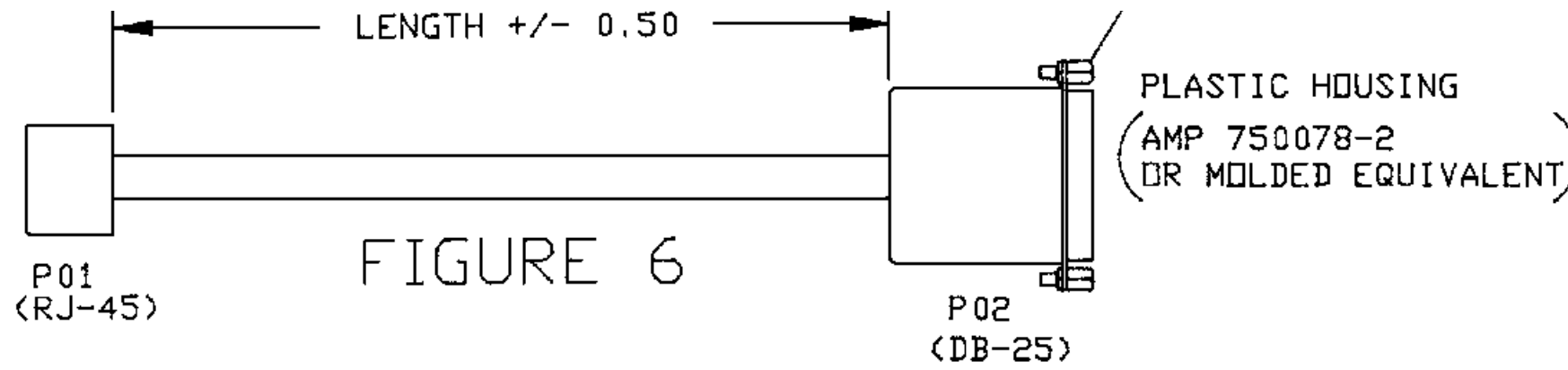


FIGURE 4

(FOR PART 760-769)

TOLERANCE FOR ALL DIMENSIONS IS +/- .50



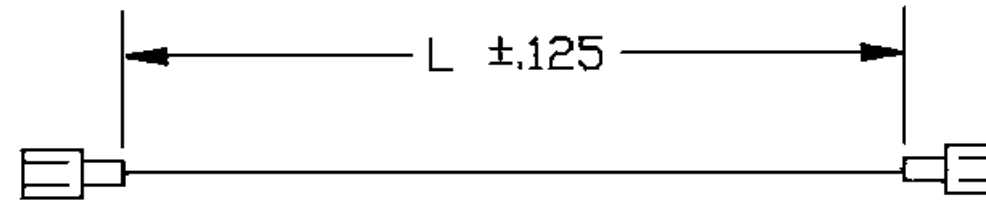


FIGURE 9  
(FOR 344A4285P9)

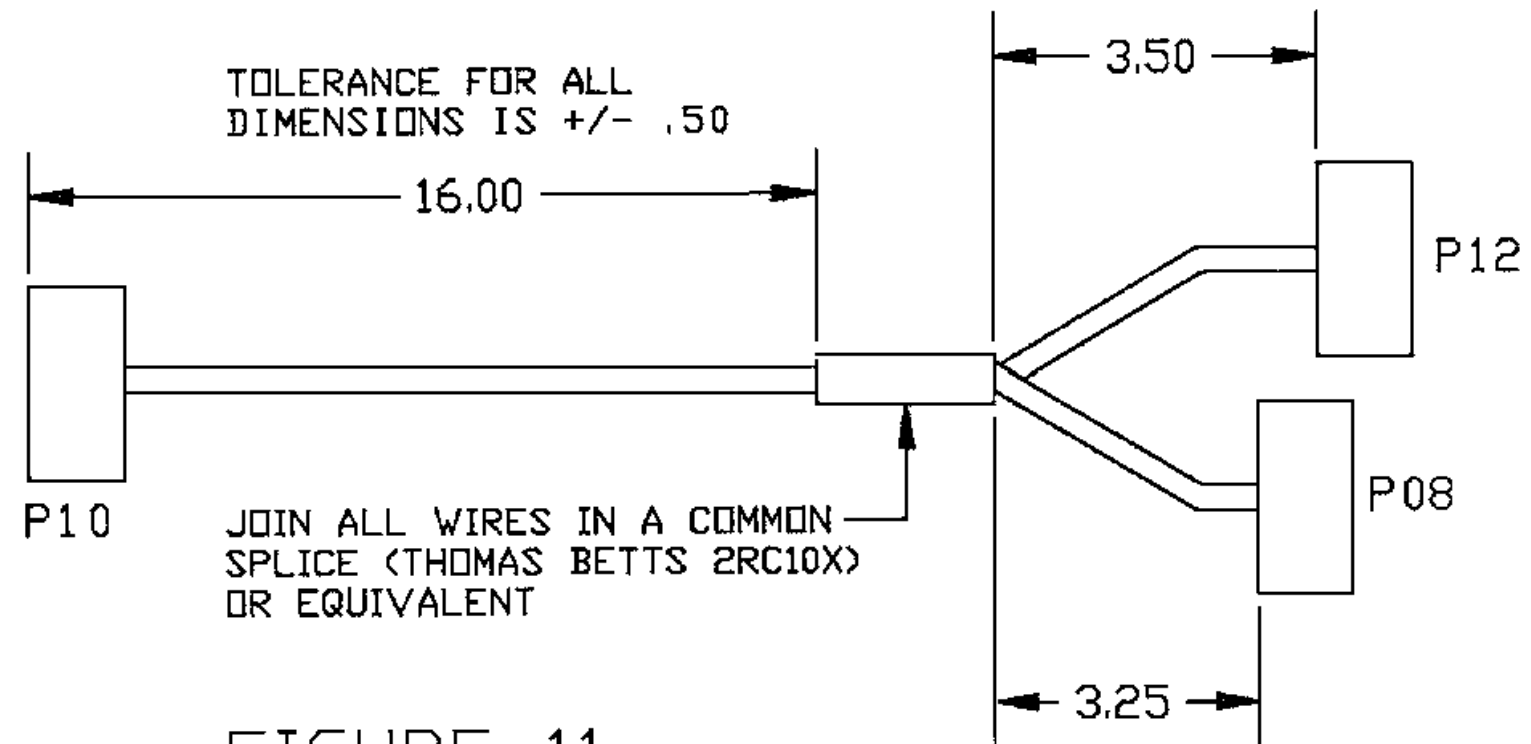


FIGURE 11  
(FOR 344A4285P12)

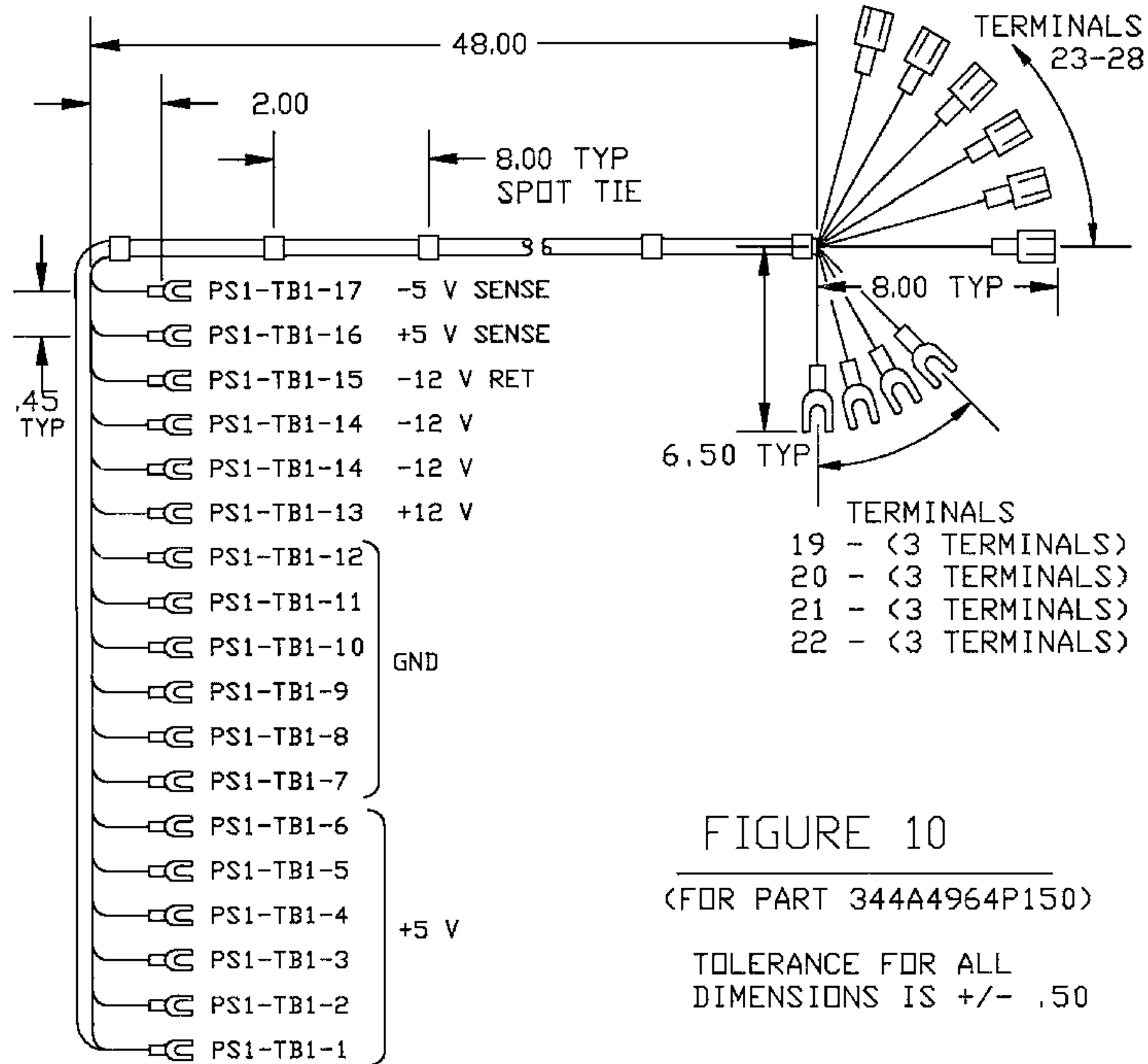
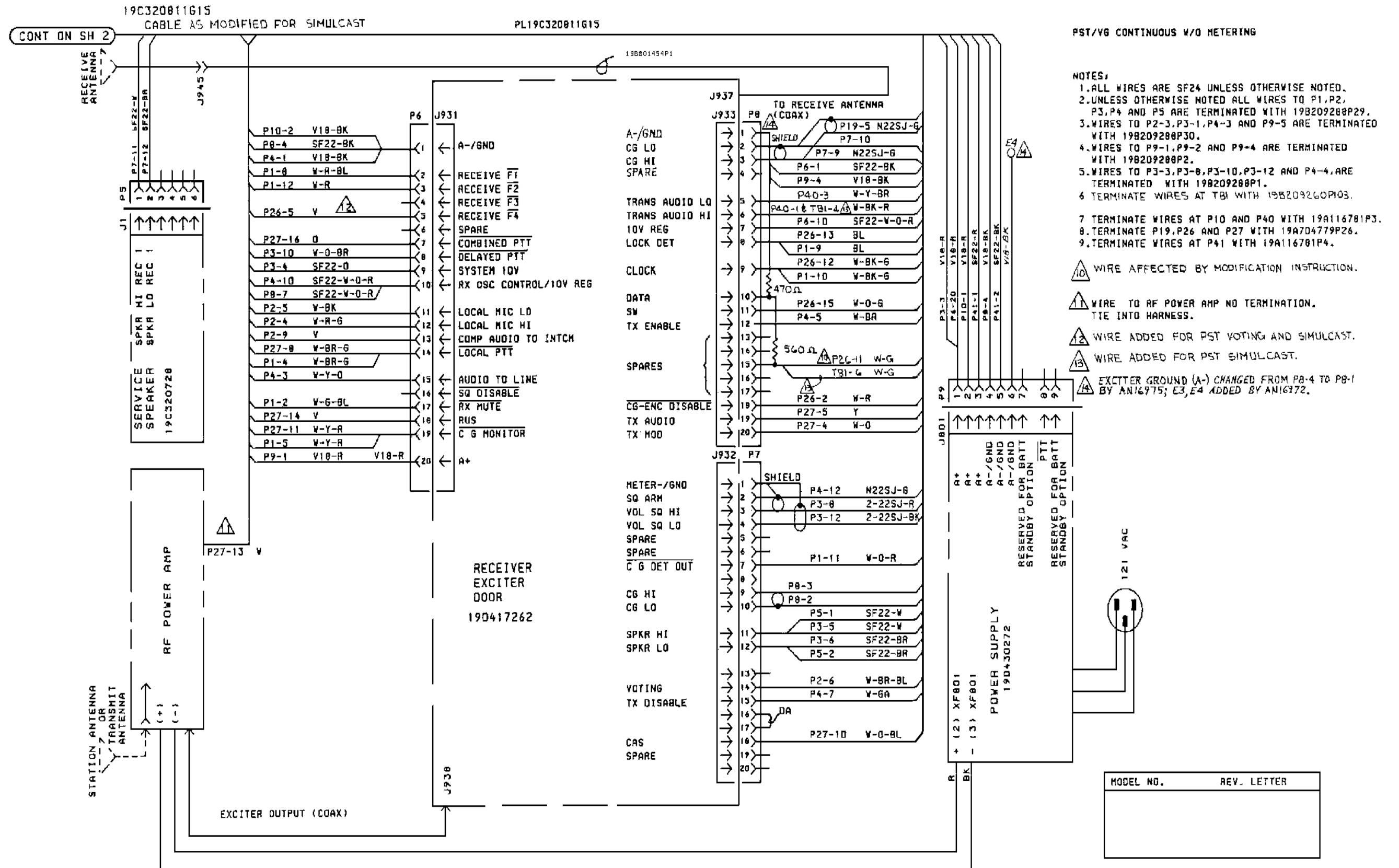
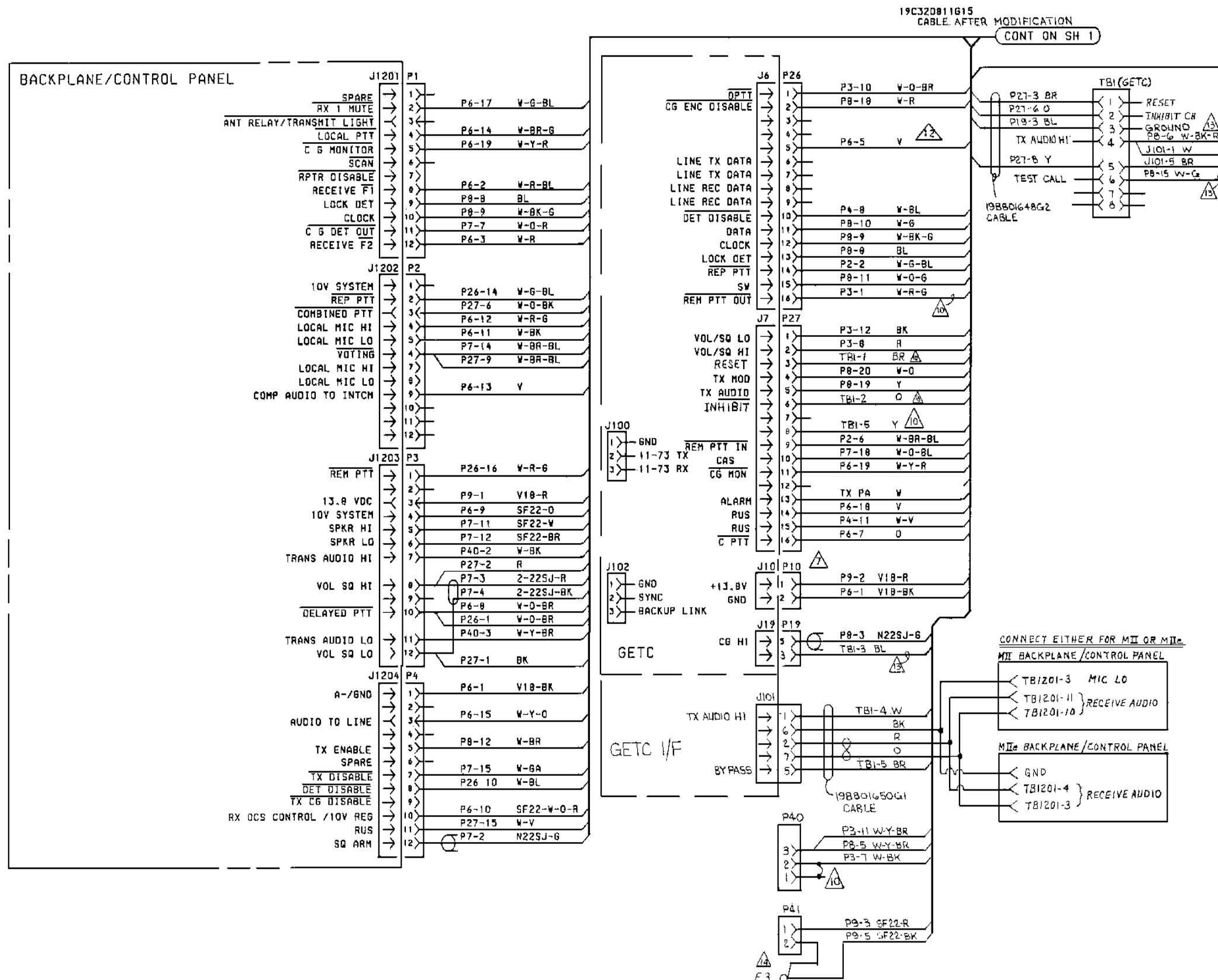


FIGURE 10  
 (FOR PART 344A4964P150)  
 TOLERANCE FOR ALL  
 DIMENSIONS IS +/- .50



MASTR II EDACS  
TRUNKED SIMULCAST STATION

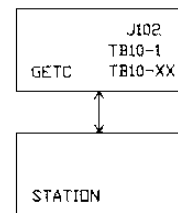




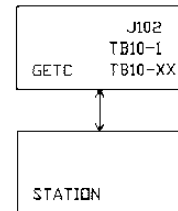
STATION INTRA CABINET WIRING  
SIMULCAST  
(344A4662)

\* CHANNEL #1 & #2 USED IN 69" CABINET  
CHANNEL #1, #2 & #3 USED IN 83" CABINET  
AND 86" OPEN RACK

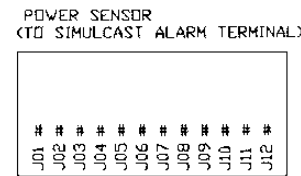
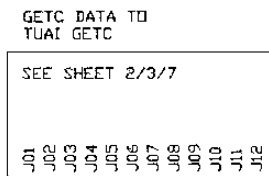
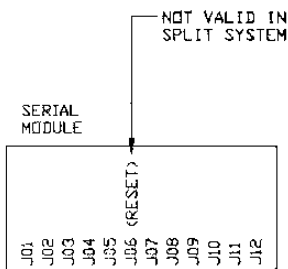
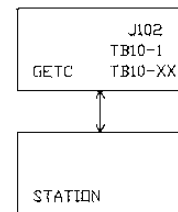
\* CHANNEL #1



\* CHANNEL #2



CHANNEL #3



CONNECTIONS TO POWER SENSOR MODULE  
CHANNEL NUMBERING START IS CABINET 1 BOTTOM OF THE CABINET  
J# CONNECTION TO CONCENTRATOR MODULES ARE AS SHOWN BELOW  
FOR EXAMPLE  
STATION 1 CHANNEL ONE CONNECTS TO J1 ON ALL MODULES

PART 2	69" CABINET	CHANNEL 1-24
STN CABINET #1	J1 STATION #1	STN CABINET #11
J2 STATION #2	J2 STATION #2	J1 STATION #21
STN CABINET #2	J3 STATION #3	J2 STATION #22
J4 STATION #4	J4 STATION #4	STN CABINET #12
STN CABINET #3	J5 STATION #5	J3 STATION #23
J6 STATION #6	J6 STATION #6	J4 STATION #24
STN CABINET #4	J7 STATION #7	STN CABINET #8
J8 STATION #8	J8 STATION #8	J5 STATION #15
STN CABINET #5	J9 STATION #9	J6 STATION #16
J10 STATION #10	J10 STATION #10	J7 STATION #17
		J8 STATION #18
		J9 STATION #19
		J10 STATION #20

PART 1	83" CABINET OR 86" OPEN RACK	CHANNEL 1-20
STN CABINET #1	J1 STATION #1	STN CABINET #5
J2 STATION #2	J2 STATION #2	J3 STATION #13
J3 STATION #3	J3 STATION #3	J4 STATION #14
STN CABINET #2	J4 STATION #4	J5 STATION #15
J5 STATION #5	J5 STATION #5	STN CABINET #6
J6 STATION #6	J6 STATION #6	J6 STATION #16
STN CABINET #3	J7 STATION #7	J7 STATION #17
J8 STATION #8	J8 STATION #8	J8 STATION #18
J9 STATION #9	J9 STATION #9	J9 STATION #19
STN CABINET #4	J10 STATION #10	J10 STATION #20
J11 STATION #11	J11 STATION #11	
J12 STATION #12	J12 STATION #12	

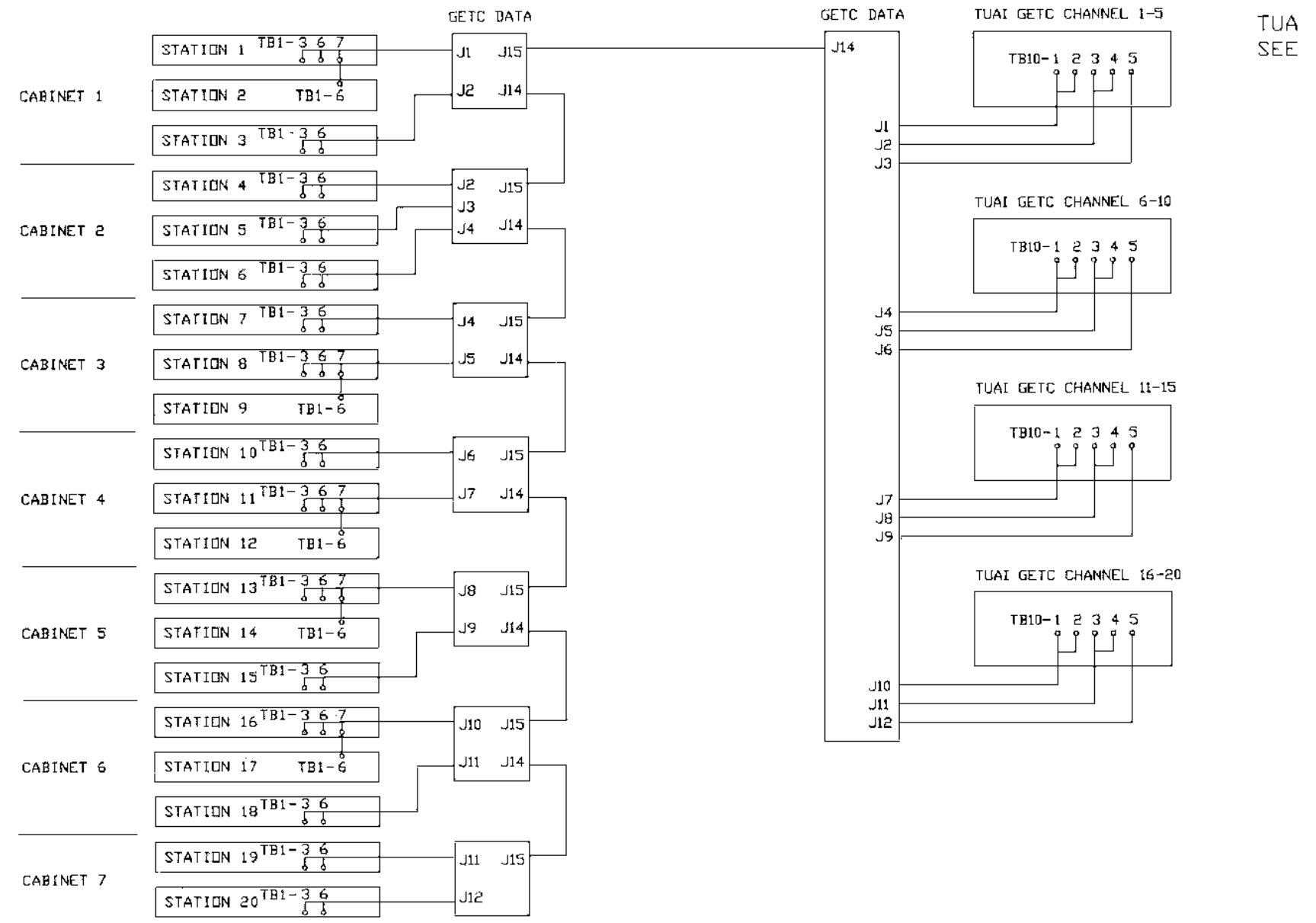
  

PART 3	83" CABINET OR 86" OPEN RACK	CHANNEL 1-24
STN CABINET #1	J1 STATION #1	STN CABINET #5
J2 STATION #2	J2 STATION #2	J1 STATION #13
J3 STATION #3	J3 STATION #3	J2 STATION #14
STN CABINET #2	J4 STATION #4	J3 STATION #15
J5 STATION #5	J5 STATION #5	STN CABINET #6
J6 STATION #6	J6 STATION #6	J4 STATION #16
STN CABINET #3	J7 STATION #7	J5 STATION #17
J8 STATION #8	J8 STATION #8	J6 STATION #18
J9 STATION #9	J9 STATION #9	J7 STATION #19
STN CABINET #4	J10 STATION #10	J8 STATION #20
J11 STATION #11	J11 STATION #11	J9 STATION #21
J12 STATION #12	J12 STATION #12	STN CABINET #8
		J10 STATION #22
		J11 STATION #23
		J12 STATION #24

STATION INTRA CABINET WIRING, SIMULCAST

19D904013P2

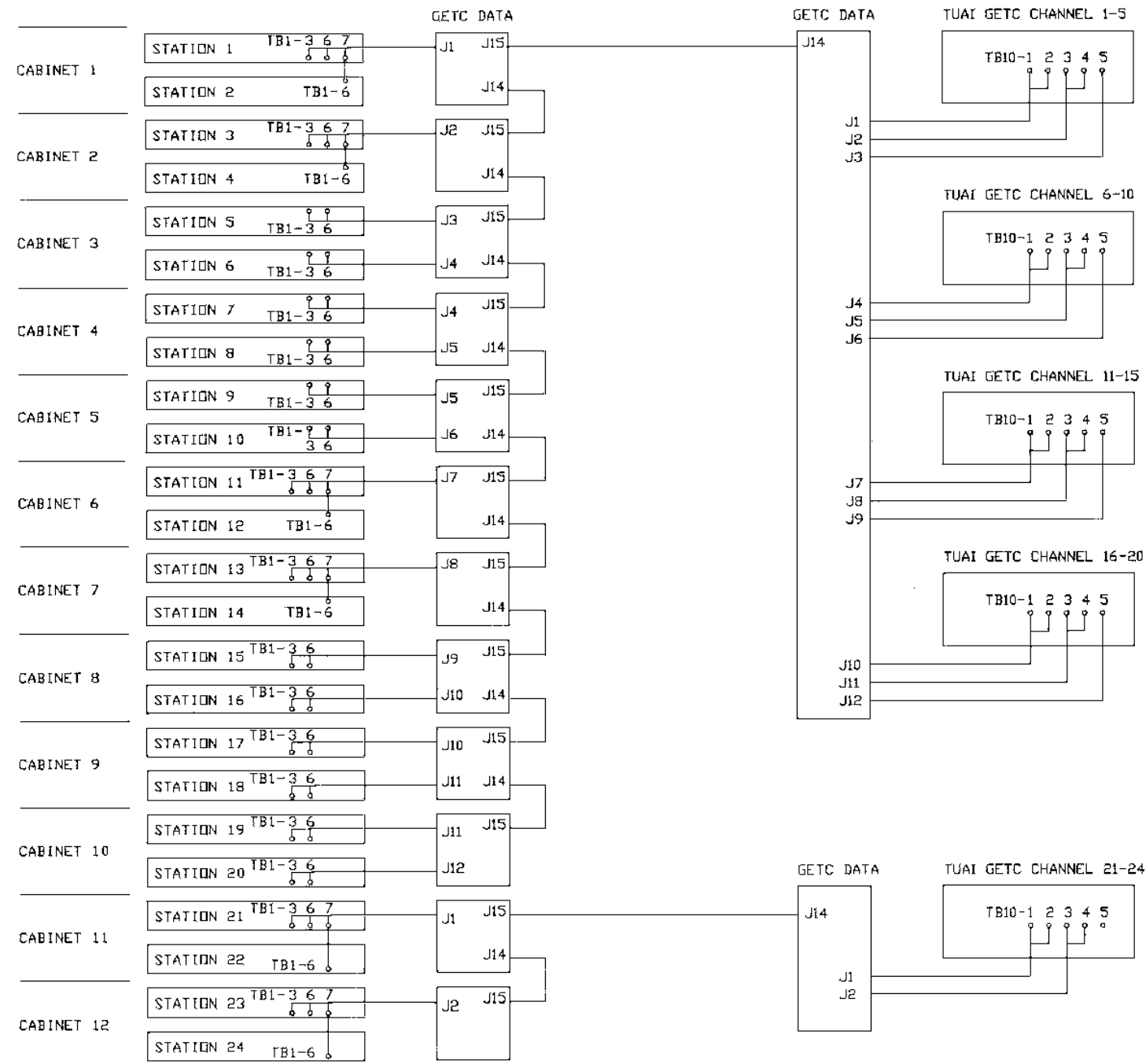
STATION INTRA CABINET WIRING  
 (83" CABINET & 86" OPEN RACK)  
 SIMULCAST  
 GETC DATA TO TUA I GETC  
 (344A4662)



**STATION INTRA CABINET WIRING, SIMULCAST (24 Channels)**  
**GETC DATA TO TUA I GETC, 69" RACK**  
 19D904013P2

STATION INTRA CABINET WIRING  
(69" CABINET)

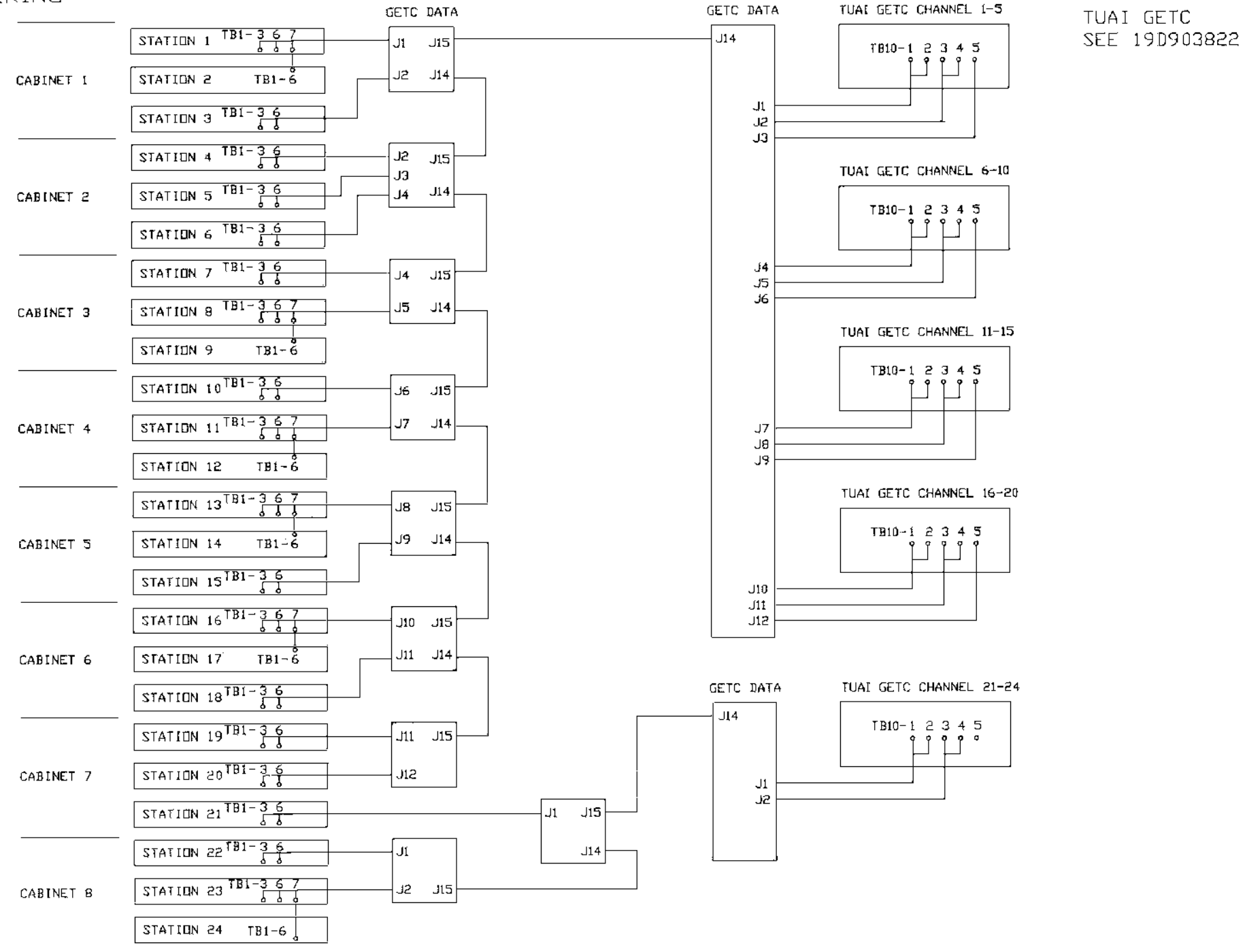
SIMULCAST  
GETC DATA TO TUIAI GETC  
(344A4662)



TUIAI GETC  
SEE 19D903822

STATION INTRA CABINET WIRING, SIMULCAST (24 Channels)  
GETC DATA TO TUIAI GETC, 69" RACK  
19D904013P2

SIMULCAST STATION INTRA CABINET WIRING  
 (83" CABINET & 86" OPEN RACK)  
 GETC DATA TO TUAI GETC  
 (344A4662)



TUAI GETC  
 SEE 19D903822

**STATION INTRA CABINET WIRING, SIMULAST (20 Channels)**  
**GETC DATA TO TUAI GETC, 83: CABINET/86" OPEN RACK**  
 19D904013P2

PART 1 CABLE CONNECTION TO EDACS STATION

Table with columns: FROM POWER MODULE, TO, CABLE. Includes sections for 83" CABINET OR 86 OPEN RACK, GETC DATA MODULE, SERIAL MODULE, RIC AUDIO, STATION AUDIO, GETC DATA-MODEM, and GETC DATA-RS232.

Table with columns: FROM POWER MODULE, TO, CABLE. Includes sections for 69" CABINET, GETC DATA MODULE, SERIAL MODULE, RIC AUDIO, STATION AUDIO, GETC DATA-MODEM, and GETC DATA-RS232.

CHANNEL XX --ALL CHANNELS IN A CABINET MUST CONNECT TO EITHER J7/J8/J9 FOR GETC (SERIAL BUS) AND J3/J4/J5 FOR GETC

SEE BLOCK DIAGRAM 19D904229

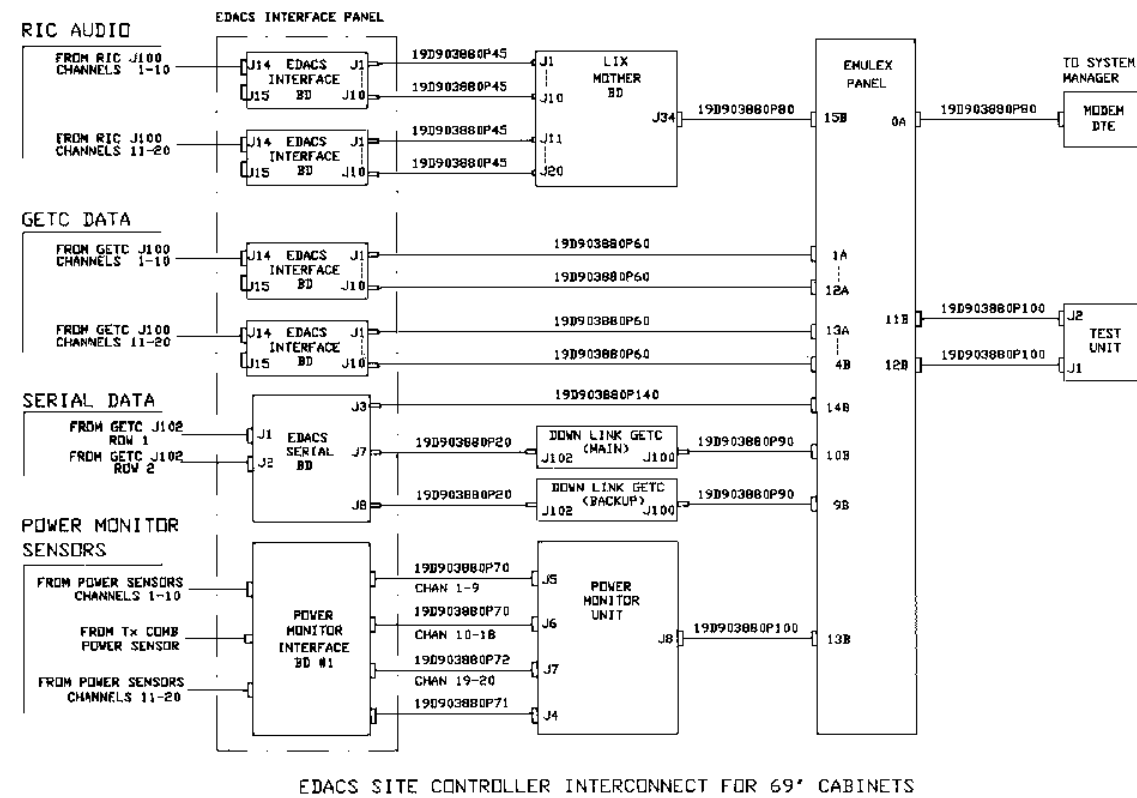
PART 2 CABLE CONNECTION TO SIMULCAST EDACS STATION

Table with columns: FROM POWER MODULE, TO, CABLE. Includes sections for 83" CABINET OR 86 OPEN RACK, SERIAL MODULE, STATION GETC TO TUAI GETC, CONNECTION TO GETC'S, and CUT-OFF UNUSED LEADS.

Table with columns: FROM POWER MODULE, TO, CABLE. Includes sections for 69" CABINET, SERIAL MODULE, STATION GETC TO TUAI GETC, CONNECTION TO GETC'S, and CUT-OFF UNUSED LEADS.

SEE BLOCK DIAGRAM 19D904230 & 19D903997

CABLE CONNECTIONS EDACS STATION



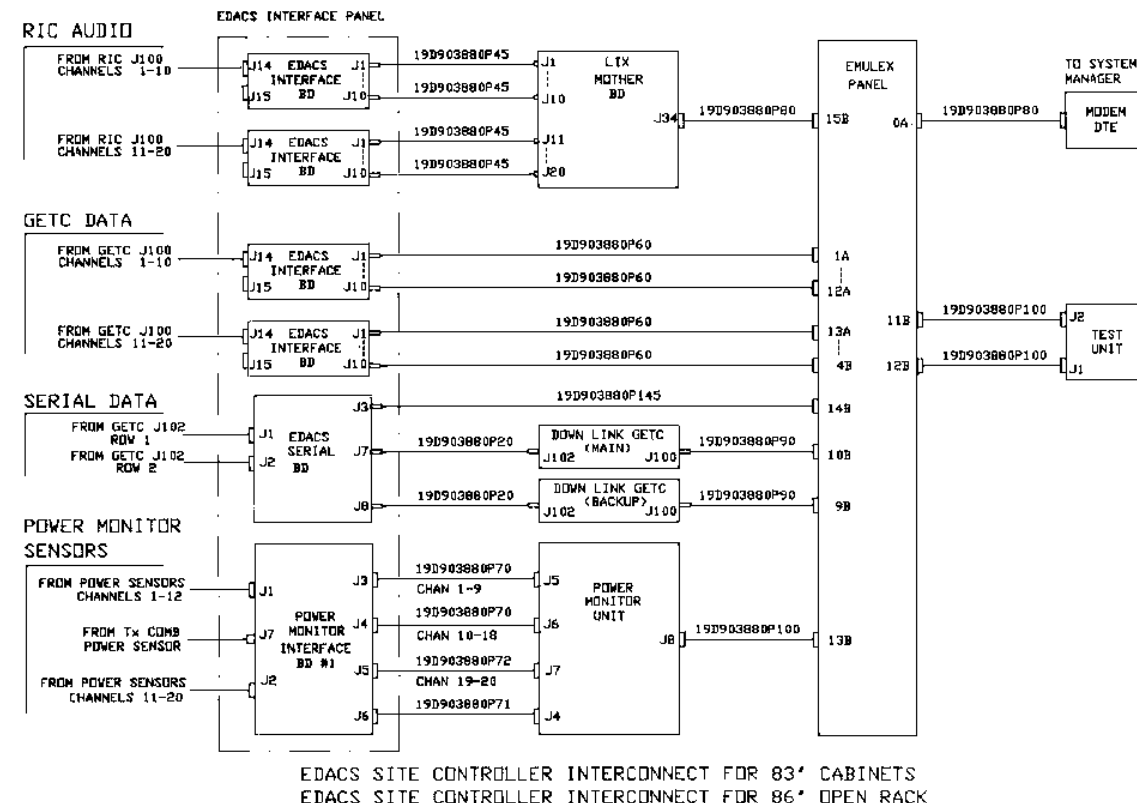
**PART 3** CABLE CONNECTION TO EDACS SITE CONTROLLER

SITE CONTROLLER CONNECT TO STATION WITH 3 IN A CABINET

FROM	TO	CABLE
POWER MODULE J03	POWER MONITOR P5	19D903880P70
POWER MODULE J04	POWER MONITOR P6	19D903880P70
POWER MODULE J05	POWER MONITOR P7	19D903880P72
POWER MODULE J06	POWER MONITOR P4	19D903880P71
<b>GETC DATA MODULE #1</b>		
CHANNEL 01 J01	EMULEX 1A	19D903880P60
CHANNEL 02 J02	EMULEX 2A	19D903880P60
CHANNEL 03 J03	EMULEX 3A	19D903880P60
CHANNEL 04 J04	EMULEX 4A	19D903880P60
CHANNEL 05 J05	EMULEX 5A	19D903880P60
CHANNEL 06 J06	EMULEX 6A	19D903880P60
CHANNEL 07 J07	EMULEX 7A	19D903880P60
CHANNEL 08 J08	EMULEX 8A	19D903880P60
CHANNEL 09 J09	EMULEX 9A	19D903880P60
CHANNEL 10 J10	EMULEX 10A	19D903880P60
CHANNEL 11 J11	EMULEX 11A	19D903880P60
CHANNEL 12 J12	EMULEX 12A	19D903880P60
<b>GETC DATA MODULE #2</b>		
CHANNEL 13 J01	EMULEX 13A	19D903880P60
CHANNEL 14 J02	EMULEX 14A	19D903880P60
CHANNEL 15 J03	EMULEX 15A	19D903880P60
CHANNEL 16 J04	EMULEX 08	19D903880P60
CHANNEL 17 J05	EMULEX 19	19D903880P60
CHANNEL 18 J06	EMULEX 28	19D903880P60
CHANNEL 19 J07	EMULEX 38	19D903880P60
CHANNEL 20 J08	EMULEX 48	19D903880P60
<b>SERIAL MODULE</b>		
RIC SERIAL J03	EMULEX 14B	19D903880P145
GETC SERIAL J07	DOWN LINK GETC J102	19D903880P21
GETC SERIAL J08	RDN DWN LINK GETC J102	19D903880P21
<b>RIC AUDIO MODULE #1</b>		
CHANNEL 01 J01	RIC LIX J01	19D903880P45
CHANNEL 02 J02	RIC LIX J02	19D903880P45
CHANNEL 03 J03	RIC LIX J03	19D903880P45
CHANNEL 04 J04	RIC LIX J04	19D903880P45
CHANNEL 05 J05	RIC LIX J05	19D903880P45
CHANNEL 06 J06	RIC LIX J06	19D903880P45
CHANNEL 07 J07	RIC LIX J07	19D903880P45
CHANNEL 08 J08	RIC LIX J08	19D903880P45
CHANNEL 09 J09	RIC LIX J09	19D903880P45
CHANNEL 10 J10	RIC LIX J10	19D903880P45
CHANNEL 11 J11	RIC LIX J11	19D903880P45
CHANNEL 12 J12	RIC LIX J12	19D903880P45
<b>RIC AUDIO MODULE #2</b>		
CHANNEL 13 J01	RIC LIX J13	19D903880P45
CHANNEL 14 J02	RIC LIX J14	19D903880P45
CHANNEL 15 J03	RIC LIX J15	19D903880P45
CHANNEL 16 J04	RIC LIX J16	19D903880P45
CHANNEL 17 J05	RIC LIX J17	19D903880P45
CHANNEL 18 J06	RIC LIX J18	19D903880P45
CHANNEL 19 J07	RIC LIX J19	19D903880P45
CHANNEL 20 J08	RIC LIX J20	19D903880P45

SITE CONTROLLER CONNECT TO STATION WITH 2 IN A CABINET (69 IN CABLE)

FROM	TO	CABLE
POWER MODULE J03	POWER MONITOR P5	19D903880P70
POWER MODULE J04	POWER MONITOR P6	19D903880P70
POWER MODULE J05	POWER MONITOR P7	19D903880P72
POWER MODULE J06	POWER MONITOR P4	19D903880P71
<b>GETC DATA MODULE #1</b>		
CHANNEL 01 J01	EMULEX 1A	19D903880P60
CHANNEL 02 J02	EMULEX 2A	19D903880P60
CHANNEL 03 J03	EMULEX 3A	19D903880P60
CHANNEL 04 J04	EMULEX 4A	19D903880P60
CHANNEL 05 J05	EMULEX 5A	19D903880P60
CHANNEL 06 J06	EMULEX 6A	19D903880P60
CHANNEL 07 J07	EMULEX 7A	19D903880P60
CHANNEL 08 J08	EMULEX 8A	19D903880P60
CHANNEL 09 J09	EMULEX 9A	19D903880P60
CHANNEL 10 J10	EMULEX 10A	19D903880P60
<b>GETC DATA MODULE #2</b>		
CHANNEL 11 J01	EMULEX 11A	19D903880P60
CHANNEL 12 J02	EMULEX 12A	19D903880P60
CHANNEL 13 J03	EMULEX 13A	19D903880P60
CHANNEL 14 J04	EMULEX 14A	19D903880P60
CHANNEL 15 J05	EMULEX 15A	19D903880P60
CHANNEL 16 J06	EMULEX 08	19D903880P60
CHANNEL 17 J07	EMULEX 18	19D903880P60
CHANNEL 18 J08	EMULEX 28	19D903880P60
CHANNEL 19 J09	EMULEX 38	19D903880P60
CHANNEL 20 J10	EMULEX 48	19D903880P60
<b>SERIAL MODULE</b>		
RIC SERIAL J03	EMULEX 14B	19D903880P145
GETC SERIAL J07	DOWN LINK GETC J102	19D903880P21
GETC SERIAL J08	RDN DWN LINK GETC J102	19D903880P21
<b>RIC AUDIO MODULE #1</b>		
CHANNEL 01 J01	RIC LIX J01	19D903880P45
CHANNEL 02 J02	RIC LIX J02	19D903880P45
CHANNEL 03 J03	RIC LIX J03	19D903880P45
CHANNEL 04 J04	RIC LIX J04	19D903880P45
CHANNEL 05 J05	RIC LIX J05	19D903880P45
CHANNEL 06 J06	RIC LIX J06	19D903880P45
CHANNEL 07 J07	RIC LIX J07	19D903880P45
CHANNEL 08 J08	RIC LIX J08	19D903880P45
CHANNEL 09 J09	RIC LIX J09	19D903880P45
CHANNEL 10 J10	RIC LIX J10	19D903880P45
<b>RIC AUDIO MODULE #2</b>		
CHANNEL 11 J01	RIC LIX J11	19D903880P45
CHANNEL 12 J02	RIC LIX J12	19D903880P45
CHANNEL 13 J03	RIC LIX J13	19D903880P45
CHANNEL 14 J04	RIC LIX J14	19D903880P45
CHANNEL 15 J05	RIC LIX J15	19D903880P45
CHANNEL 16 J06	RIC LIX J16	19D903880P45
CHANNEL 17 J07	RIC LIX J17	19D903880P45
CHANNEL 18 J08	RIC LIX J18	19D903880P45
CHANNEL 19 J09	RIC LIX J19	19D903880P45
CHANNEL 20 J10	RIC LIX J20	19D903880P45



**CABLE CONNECTIONS  
EDACS STATION**

CHANNEL 06	J06	RIC LIX J06	19D903880P45
CHANNEL 07	J07	RIC LIX J07	19D903880P45
CHANNEL 08	J08	RIC LIX J08	19D903880P45
CHANNEL 09	J09	RIC LIX J09	19D903880P45
CHANNEL 10	J10	RIC LIX J10	19D903880P45
CHANNEL 11	J11	RIC LIX J11	19D903880P45
CHANNEL 12	J12	RIC LIX J12	19D903880P45
RIC AUDIO MODULE #2			
CHANNEL 13	J01	RIC LIX J13	19D903880P45
CHANNEL 14	J02	RIC LIX J14	19D903880P45
CHANNEL 15	J03	RIC LIX J15	19D903880P45
CHANNEL 16	J04	RIC LIX J16	19D903880P45
CHANNEL 17	J05	RIC LIX J17	19D903880P45
CHANNEL 18	J06	RIC LIX J18	19D903880P45
CHANNEL 19	J07	RIC LIX J19	19D903880P45
CHANNEL 20	J08	RIC LIX J20	19D903880P45
SERIAL MODULE			
RIC SERIAL	J03	EMULEX PANEL 14B	19D903880P145
DATA LINK MODULE (MSCII CONTROLLER TO CTIS COMPUTER)			
DATA LINK (MAIN)	J01	EMULEX PANEL 16B	19D903880P60
DATA LINK (RDW)	J02	EMULEX PANEL 15B	19D903880P60

EXTERNAL CONNECTION TO CTIS CABINET AND RIC CABINET

FROM CTIS CABINET (SERIAL MODULE J4) TO RIC CABINET (SERIAL MODULE 'B'--J24)  
USE CABLE 19D903880P161

FROM CTIS CABINET (RIC MODULE #1 J14) TO RIC CABINET (RIC MODULE #1--J124)  
USE CABLE 19D903880P120

FROM CTIS CABINET (RIC MODULE #2 J14) TO RIC CABINET (RIC MODULE #2--J124)  
USE CABLE 19D903880P120

FROM RIC CABINET (AUDIO IN #1 J14) CONNECT TO MSCII SWITCH  
USE CABLE 19D903880P120

FROM RIC CABINET (AUDIO IN #2 J14) CONNECT TO MSCII SWITCH  
USE CABLE 19D903880P120

PART 5

INSTALLATION INSTRUCTION FOR DOWNLINK GETC FOR BASIC EDACS  
(CONNECTION OF A BASIC EDACS SYSTEM TO MSCII)

MOUNT GETC IN TOP OF STATION CABINET

CONNECT CABLE 19D903880P150 (POWER CABLE)  
DOWNLINK GETC FIRST GETC OR RIC MOUNTING BELOW UNIT

T810-7 RED LEAD  
T810-6 BLACK LEAD

CONNECT CABLE 19D903880P400 (SERIAL LINK) SERIAL INTERFACE MODULE J1  
J102

SLOT 04			
SLOT 05	A/D #2		
SLOT 06			
SLOT 07	A/D #3		
SLOT 08			
SLOT 09	A/D #4		
SLOT 10			
SLOT 11	2400 BAUD MODEM		
SLOT 12	DIGITAL OUTPUT MODULE		
HORZ POSITION	HYBRID		
MODULE	FROM	TO	CABLE
DIGITAL INPUT MODULE	P01	ALARM CC J14	PART OF CARD CAGE
	P02	ALARM CC J15	PART OF CARD CAGE
CPU	P03	ALARM CC J22	19C337513P2
	P04	ALARM CC J21	19C337513P2
A/D #1	P01	ALARM CC J16	19C336513P3
A/D #2	P01	ALARM CC J17	19C336513P3
A/D #3	P01	ALARM CC J18	19C336513P3
A/D #4	P01	ALARM CC J19	19C336513P3
2400 BAUD MODEM	P01	ALARM CC J23	19D903880P160
DIGITAL OUTPUT MODULE	P01	ALARM CC J20	PART OF CARD CAGE
HYBRID	PXX	ALARM CC J44	PART OF CARD CAGE

SET DIP SWITCH (S1) ON ALARM CC TO SITE NUMBER

CONTROL POINT 0000000

SITE #01 10000000

SITE #02 01000000

SITE #03 11000000

SITE #04 00100000

SITE #05 10100000

SITE #06 01100000

SITE #07 11100000

SITE #08 00010000

SITE #09 10010000

SITE #10 01010000

MODIFICATION TO MODULE IN ALARM SYSTEM -- SEE APPLICATION ASM 19D902831

SET JUMPERS ON ALL MODULES

19C337513P1 CPU MODULE ----- INSTALL U11 & U12

19C337513P2 A/D MODULE ----- INSTALL R15 & R16

19C337513P3 DIGITAL INPUT MODULE

19C337513P4 DIGITAL OUTPUT MODULE

19C337513P6 2400 MODEM ----- INSTALL U4E

19C337513P7 HYBRID MODULE

PART 7

SIMULCAST MASTER ALARM SYSTEM --- 19D902021P2 --- (CONTROL POINT)

SEE SCHEMATIC 19D902831

MODULE LOCATION IN CARD CAGE

SLOT 01 DIGITAL INPUT MODULE

SLOT 02 CPU

SLOT 03

SLOT 04 DIGITAL OUTPUT MODULE #4

SLOT 05

SLOT 06 DIGITAL OUTPUT MODULE #3

SLOT 07

SLOT 08 DIGITAL OUTPUT MODULE #2

SLOT 09

SLOT 10

SLOT 11 MODEM SITE #01

SLOT 12 MODEM SITE #02

SLOT 13 MODEM SITE #03

SLOT 14 MODEM SITE #04

SLOT 15 MODEM SITE #05

SLOT 16 MODEM SITE #06

SLOT 17 MODEM SITE #07

SLOT 18 MODEM SITE #08

SLOT 19 MODEM SITE #09

SLOT 20 MODEM SITE #10

SLOT 21 DIGITAL OUTPUT MODULE #1

MODULE	FROM	TO	CABLE
DIGITAL INPUT MODULE	P01	ALARM CC J14	PART OF CARD CAGE
	P02	ALARM CC J15	PART OF CARD CAGE
CPU	P03	ALARM CC J22	19C337513P3
	P04	ALARM CC J21	19C337513P3
DIGITAL OUTPUT MODULE #4	P01	CONNECTOR PANEL P04	19D337513P4
DIGITAL OUTPUT MODULE #3	P01	CONNECTOR PANEL P03	19D337513P4
DIGITAL OUTPUT MODULE #2	P01	CONNECTOR PANEL P02	19D337513P4
MODEM SITE #01	P01	ALARM CC J23	19D903880P160
MODEM SITE #02	P01	ALARM CC J24	19D903880P160
MODEM SITE #03	P01	ALARM CC J25	19D903880P160
MODEM SITE #04	P01	ALARM CC J26	19D903880P160
MODEM SITE #05	P01	ALARM CC J27	19D903880P160
MODEM SITE #06	P01	ALARM CC J28	19D903880P160
MODEM SITE #07	P01	ALARM CC J29	19D903880P160
MODEM SITE #08	P01	ALARM CC J30	19D903880P160
MODEM SITE #09	P01	ALARM CC J31	19D903880P160
MODEM SITE #10	P01	ALARM CC J32	19D903880P160
DIGITAL OUTPUT MODULE #1	P01	ALARM CC J20	PART OF CARD CAGE

SET DIP SWITCH (S1) ON ALARM CC TO SITE NUMBER

CONTROL POINT 000000

MODIFICATION TO MODULE IN ALARM SYSTEM -- SEE APPLICATION ASM 19D902831

SET JUMPERS ON ALL MODULES

19C337513P1 CPU MODULE ----- INSTALL U11 & U12

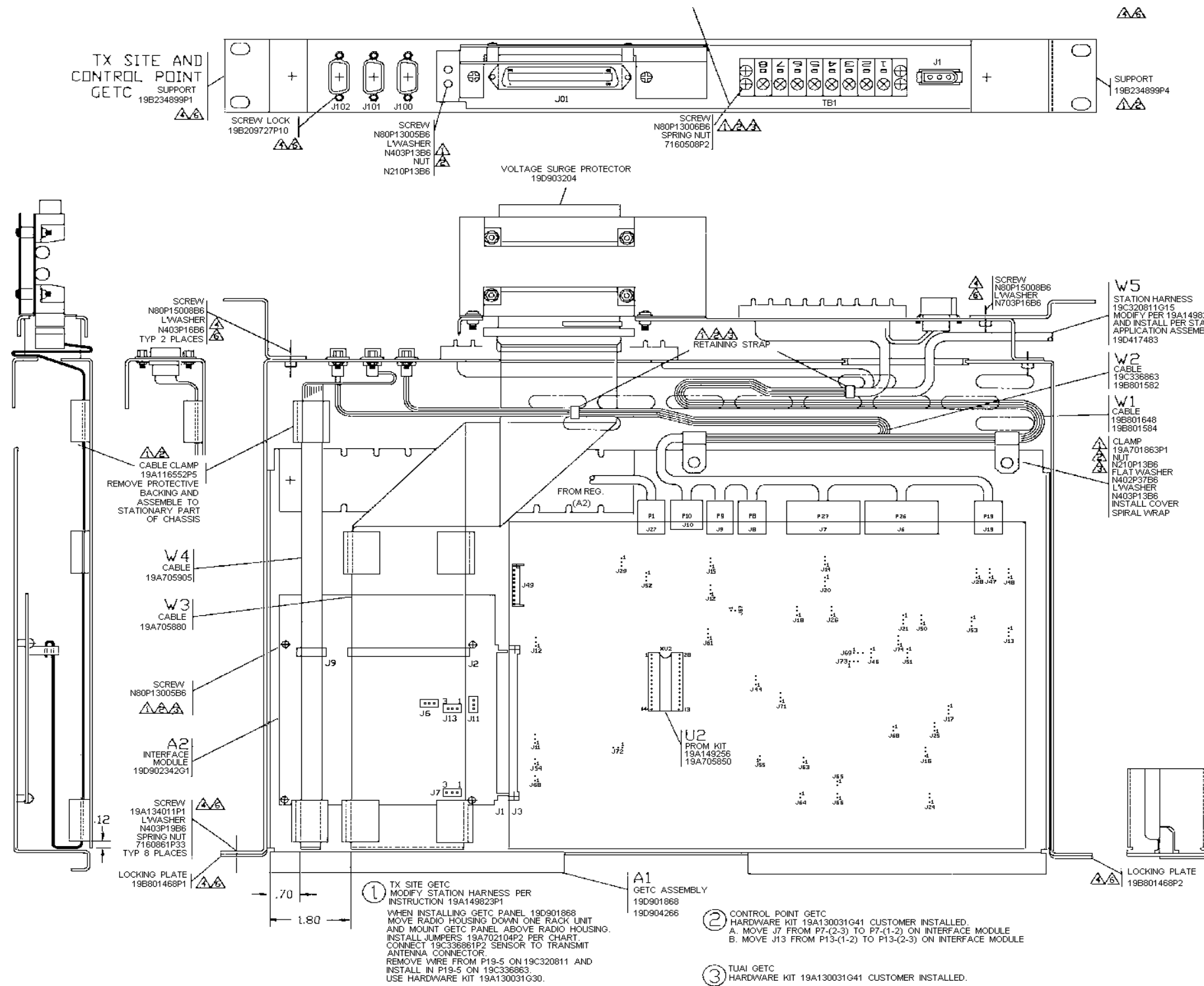
19C337513P3 DIGITAL INPUT MODULE

19C337513P4 DIGITAL OUTPUT MODULE

19C337513P6 2400 MODEM ----- INSTALL U4E

ON ALARM CC INSTALL JUMPER FROM SV01-6 TO HOLE H02





NOTES:

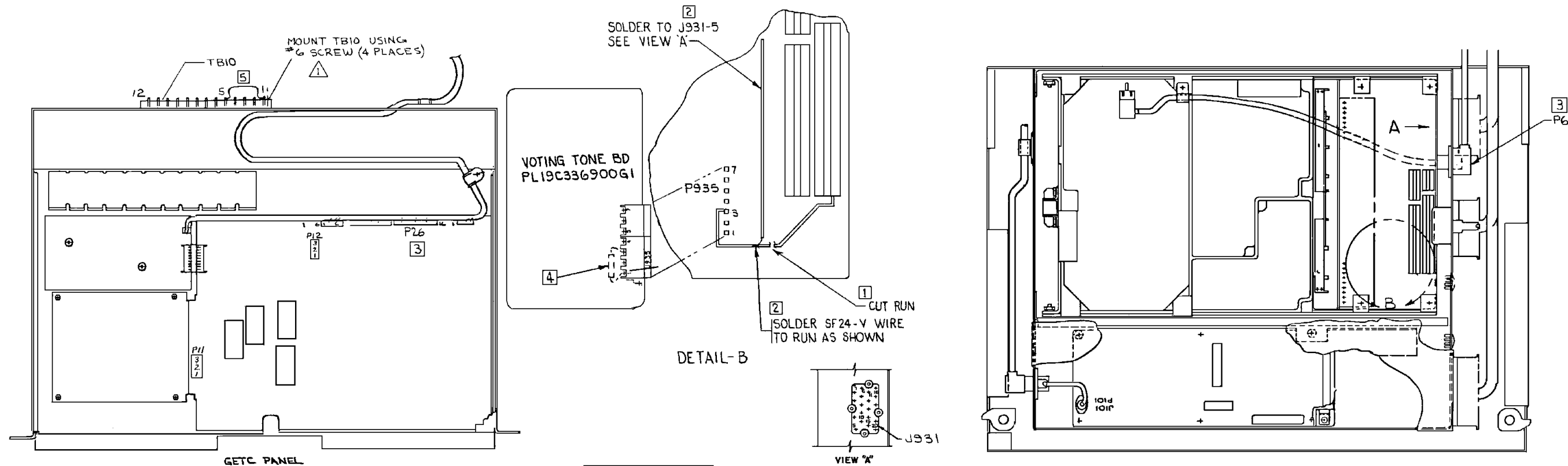
- ① PART OF HARDWARE KIT PL19A149821G1
- ② PART OF HARDWARE KIT PL19A149821G2
- ③ PART OF HARDWARE KIT PL19A149821G3
- ④ PART OF HARDWARE KIT PL19A130031G30
- ⑤ PART OF HARDWARE KIT PL19A130031G40
- ⑥ PART OF HARDWARE KIT PL19A130031G41
- ⑦ INSTALL JUMPERS P11-P73 PER TABLE

JUMPER	PST SIMULCAST REMOTE ①	PST SIMULCAST CONTROL ②	PST SIMULCAST TUAI ③
P11	1-2	1-2	1-2
P12	1-2	1-2	1-2
P13	1-2	1-2	OMIT
P14	1-2	1-2	1-2
P15	1-2	1-2	1-2
P16	1-2	1-2	2-3
P17	OMIT	1-2	1-2
P18	1-2	1-2	1-2
P20	OMIT	OMIT	OMIT
P21	1-2	1-2	2-3
P24	1-2	1-2	2-3
P25	1-2	1-2	2-3
P26	1-2	1-2	1-2
P28	1-2	1-2	2-3
P29	1-2	1-2	1-2
P44	1-2	1-2	1-2
P46	1-2	1-2	1-2
P47	1-2	1-2	1-2
P48	1-2	1-2	1-2
P50	1-2	1-2	1-2
P51	OMIT	OMIT	1-2
P52	2-3	2-3	2-3
P53	1-2	1-2	1-2
P54	OMIT	OMIT	1-2
P55	1-2	OMIT	1-2
P60	OMIT	OMIT	1-2
P61	2-3	2-3	2-3
P62	1-2	OMIT	1-2
P63	OMIT	OMIT	OMIT
P64	OMIT	OMIT	OMIT
P65	OMIT	OMIT	OMIT
P66	OMIT	OMIT	OMIT
P67	1-2	1-2	1-2
P68	OMIT	1-2	OMIT
P69	1-2	1-2	OMIT
P71	1-2	1-2	1-2
P72	1-2	1-2	1-2
P73	2-3	2-3	1-2
P74	2-3	2-3	2-3

8. THESE INSTRUCTIONS SUPERCEDE GETC ASSEMBLY INSTRUCTIONS SHOWN ON APPLICATION ASSEMBLY 19D417483

EDACS SIMULCAST GETC'S

19D902587P1-P3



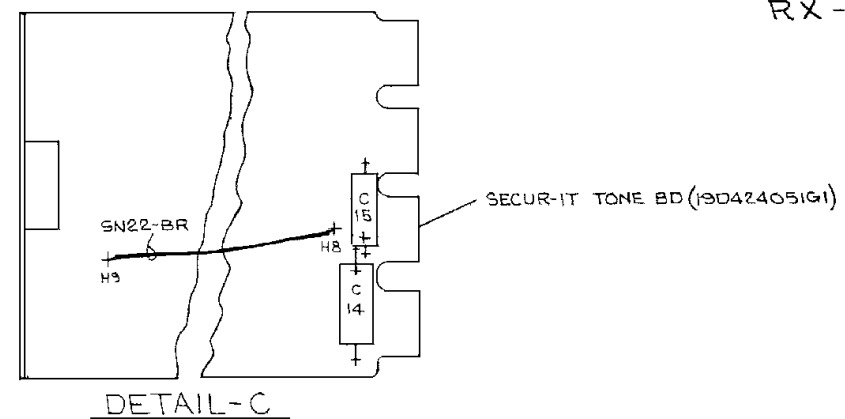
① MOD. PST STATION RECEIVER FOR VOTING (RS232)

1. CUT RUN ON STATION CONTROL BOARD 19D417213 (SEE DETAIL B)
2. SOLDER VIOLET WIRE TO RUN (SEE DETAIL B) & OTHER END TO J931-5 (SEE VIEW A).
3. SOLDER VIOLET WIRE TO P6-5. INSERT TERMINATED END INTO P26-5 ON GETC SHELF, LACING WIRE INTO EXISTING HARNESS.
4. SOLDER A 5.6K, 1/4W RESISTOR BETWEEN J935-1 & J935-3 ON SOLDER SIDE OF VOTING TONE BOARD 19C336900G1 AS SHOWN IN DETAIL B. J935 (TONE BD.) PLUGS INTO P935 AS SHOWN IN DETAIL B.
5. CONNECT WHITE JUMPER FROM TB10-1 TO TB10-5 OR REAR OF GETC.
6. REMOVE SN22-BR WIRE FROM H8-H9 ON 19D424051G1 SECUR-IT BOARD (SEE DETAIL-C).
7. CONNECT J11 TO P11-2 & 3, AND J12 TO P12-2 & 3.

CONNECTION CHART	
O TO	TB10-10
R TO	TB10-9
O TO	TB10-8
BK TO	TB10-7

② MOD. PST STATION RECEIVER FOR VOTING (9600 BAUD MODEM)

1. MOUNT TB10 AS SHOWN. INSTALL 2 SCREWS & L'WASHERS IN EACH TB10-7,8,9 & 10.
2. PERFORM STEPS 1 THRU 4 OF PART 1.
3. CLIP WIRE TIES AS NECESSARY IN 19C320811 HARNESS TO REMOVE R-O AND O-BK TWISTED PAIRS BACK FAR ENOUGH TO NEATLY DRESS TO TB10. RETIE 3C320811 HARNESS WITH TIES PROVIDED. CONNECT TWISTED PAIR PER CONNECTION CHART.
4. REMOVE SN22-BR WIRE FROM H8-H9 ON 19D424051G1 SECUR-IT BOARD (SEE DETAIL-C).



STATION RECEIVER, VOTING

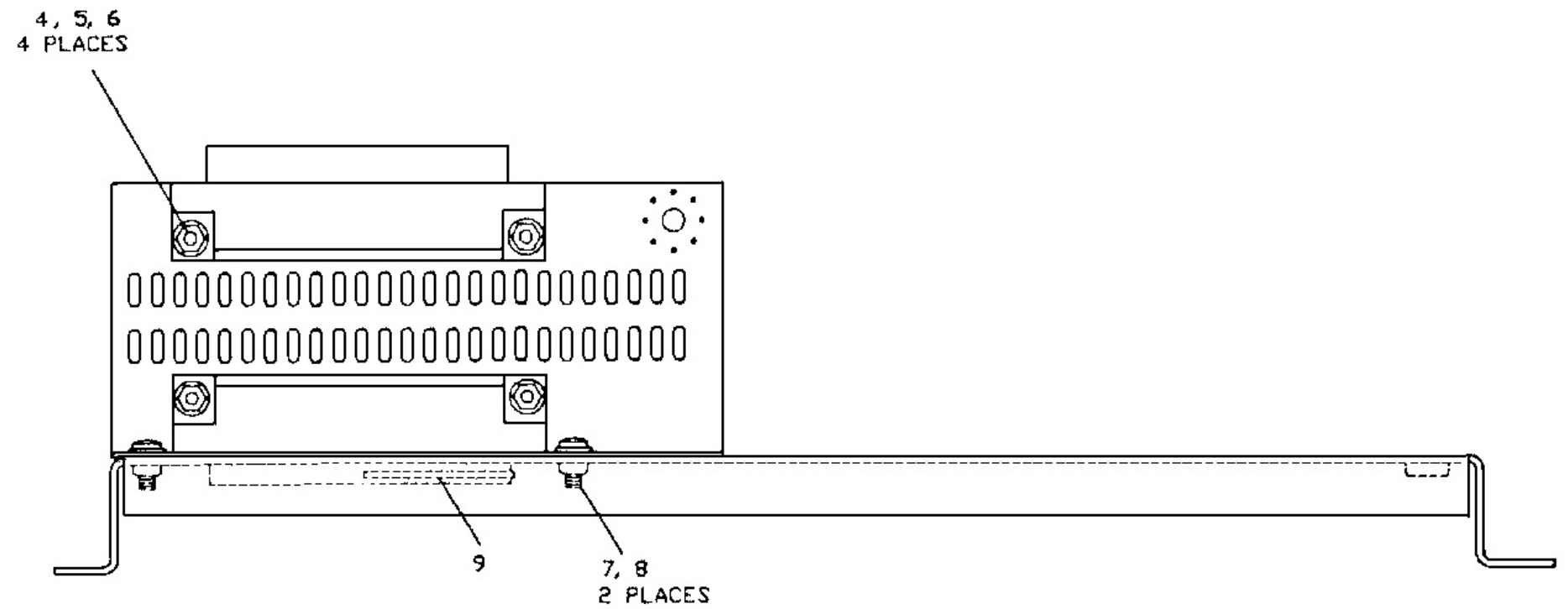
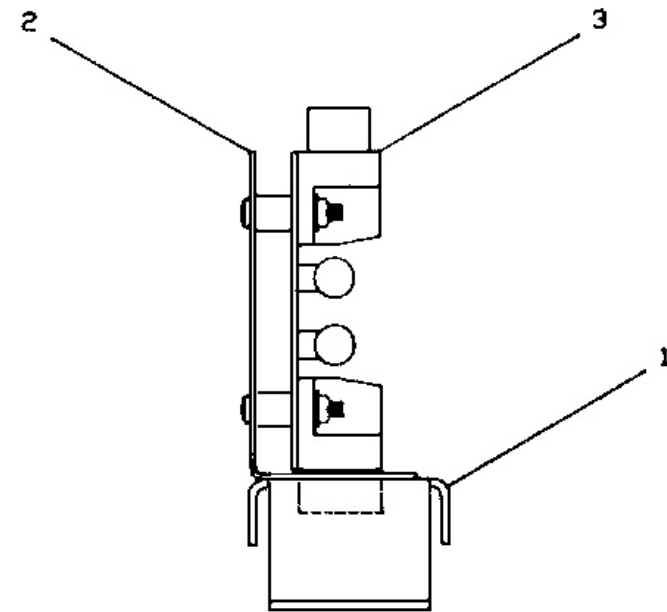
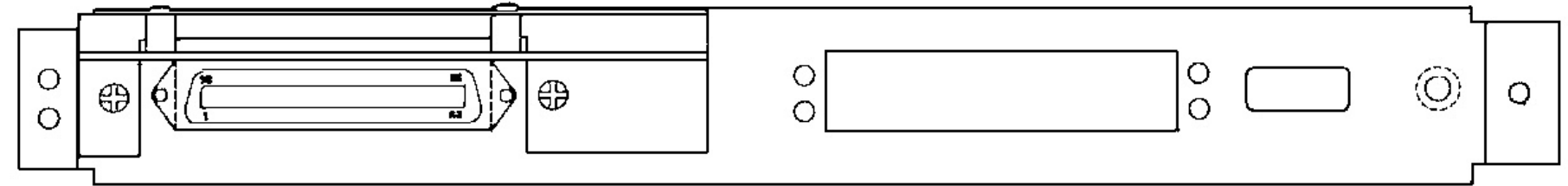


**ADDENDUM NO. 2 TO LBI-38585B**

This addendum adds the voltage surge protector 19D903204G1 and the field installation hardware kit as page A-60A-C to the manual. The surge protector provides surge protection for all voltages and signals passing through the control and station GETC modules. Except for four surge protectors, all protectors are the same. Due to the unique requirements of some multiplexer systems AR11-AR14 have a higher voltage protection rating. These protectors are associated with the PTT and A/D signal lines. This addendum includes the Parts List, Outline Diagram and Schematic Diagram.

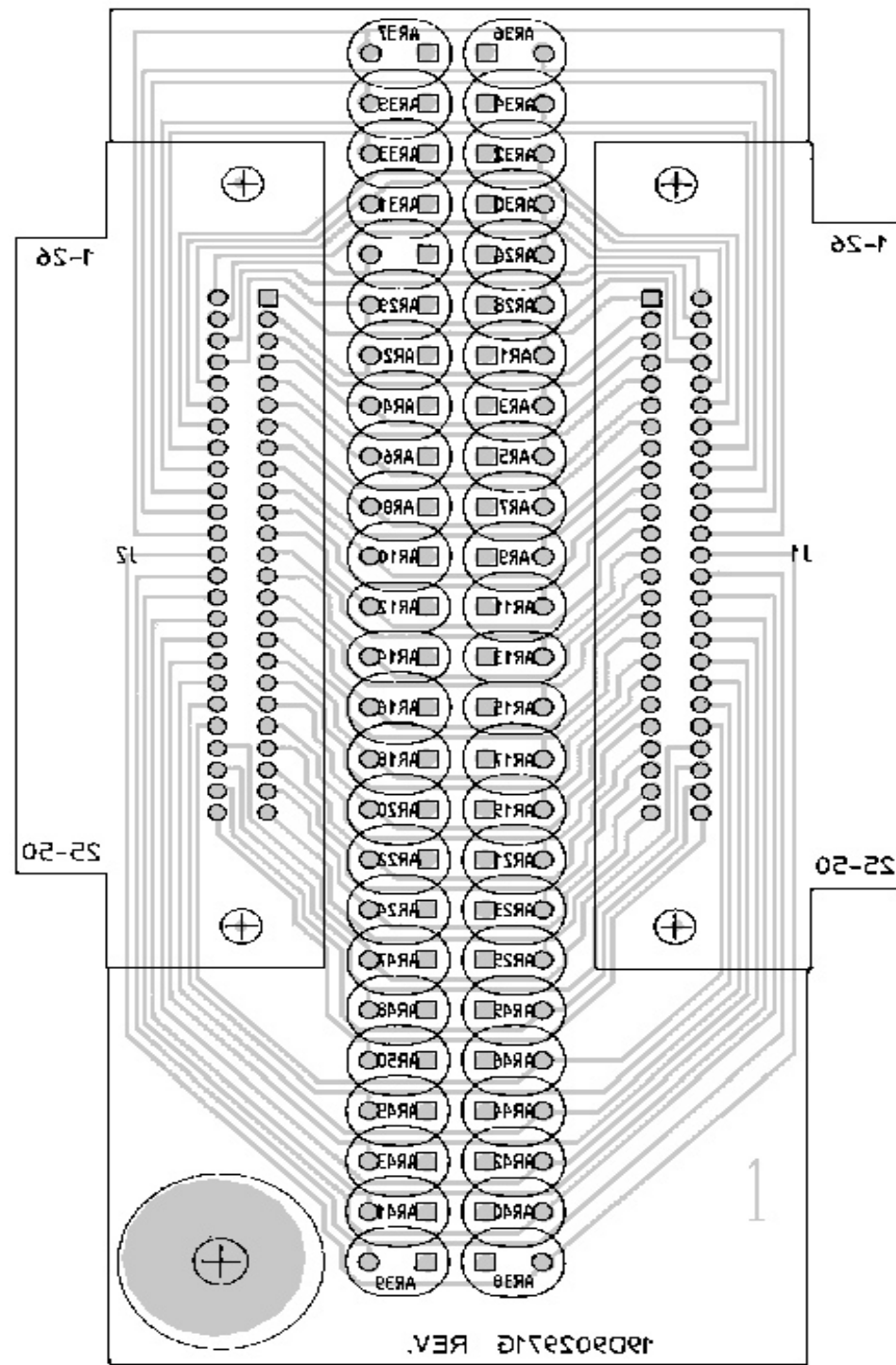
**PARTS LIST  
VOLTAGE SURGE PROTECTOR  
19D903204G1**

<b>SYMBOL</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
1	19D903205P1	Support
2	19D903205P2	Support
4	N80P9012B6	4-40 X 0.75 Machine screw
5	7141225P2	4-40 Hex nut
6	N404P11B6	#4 Lock washer
7	N80P13005B6	#6 X 32 X 0.312 Machine screw
8	N404P13B6	#6 Lock washer
9	19B800935P6	Locking latch; sim to AMP 552723-1
<p>--- FIELD INSTALLATION KIT --- (Supplied)</p>		
11		Cable splice: #4/8 wire; sim to Blackburn # 4H3
12	19B209260P6	Terminal # 8 wire - # 8 stud
13	19A701460P10	# 8 Black stranded wire, 2 ft.
14	N80P15004B6	# 8 X 32 X 0.25 Machine screw.
15	N210P15B6	# 8 X 32 Nut
16	N403P16B6	# 8 Lock washer
17	19B800935P6	Locking latch
AR1-AR10	19A705677P3	Arrester, electrical surge; sim to Harris 39Z1
AR11-AR14	19A705677P4	Arrester, electrical surge; sim to Harris 68Z2
AR15-AR50	19A705677P3	Arrester, electrical surge; sim to Harris 39Z1
J1	19B800935P11	Connector, 50 position, right angle; sim to Amp 552726-1
J2	19B800935P10	Connector, 50 position, right angle; sim to Amp 552725-1
J2	19B800935P14	Connector, 50 position, plug assembly; sim to Amp 554216-3

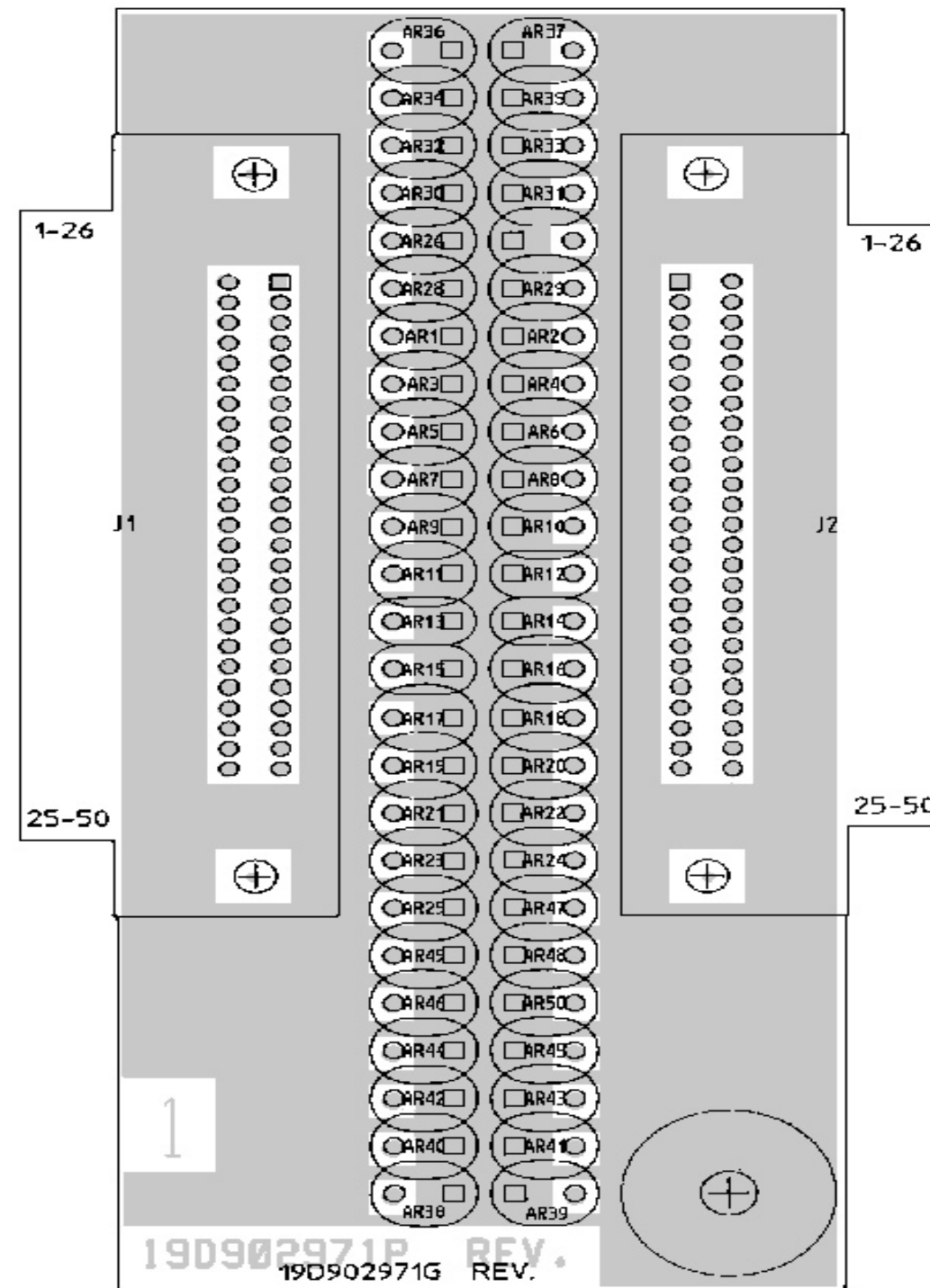


**VOLTAGE SURGE PROTECTOR**  
19D903204G1

(19D903204, Sh.1, Rev. 1)



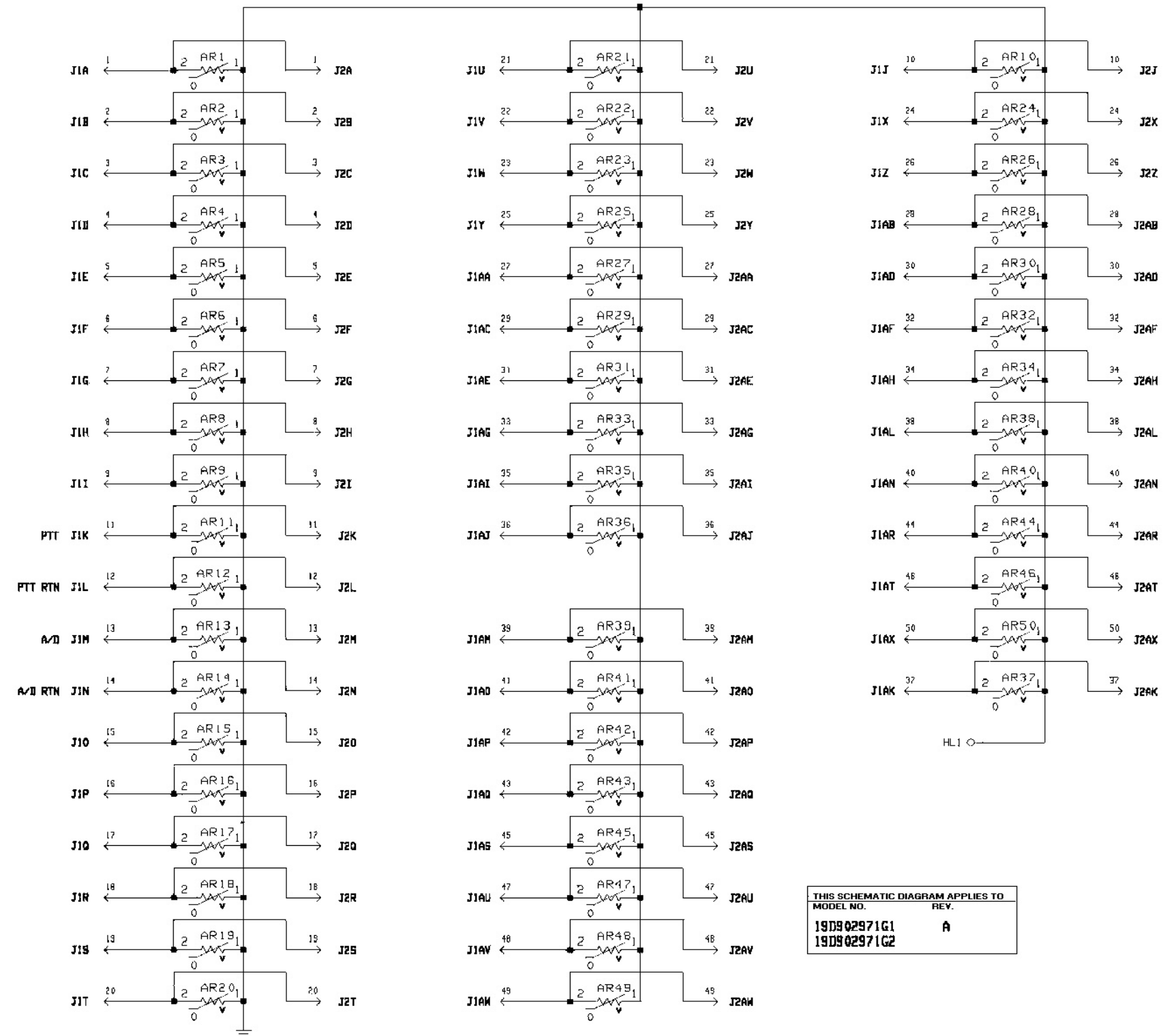
(19D902971, Rev. 3)  
(19D902972, Solder Side, Rev. 1)



(19D902971, Rev. 3)  
(19D902972, Component Side, Rev. 1)

**VOLTAGE SURGE PROTECTOR**  
19D903204G1

(19D902971, Sh.1, Rev.2)



THIS SCHEMATIC DIAGRAM APPLIES TO  
 MODEL NO. REV.  
 19D902971G1 A  
 19D902971G2

VOLTAGE SURGE PROTECTOR  
 19D903204G1