

MAINTENANCE MANUAL
SIMULCAST CABLE DRAWINGS
RS232 DATA VERSION AND MODEM DATA VERSION

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DESCRIPTION

This manual contains the system cable assembly drawings and system interrack connections list for the Control Point common equipment rack and Transmit Sites.

The flat and twisted ribbon cables (188D5916 for RS232 and 19D903985 for Modem Data) are used for intra-rack connections in the common equipment rack at the Control Point and the **EDACS®** Simulcast Transmit Rack at the Transmit Site. Flat ribbon cables 19C337513 are used for Alarm Shelf wiring. The drawings identify the point-to-point wiring within the cable, cable dimensions and color coding.

Power Cable 188D5610 is used to connect cabinet power at the RS232 Transmit Site .

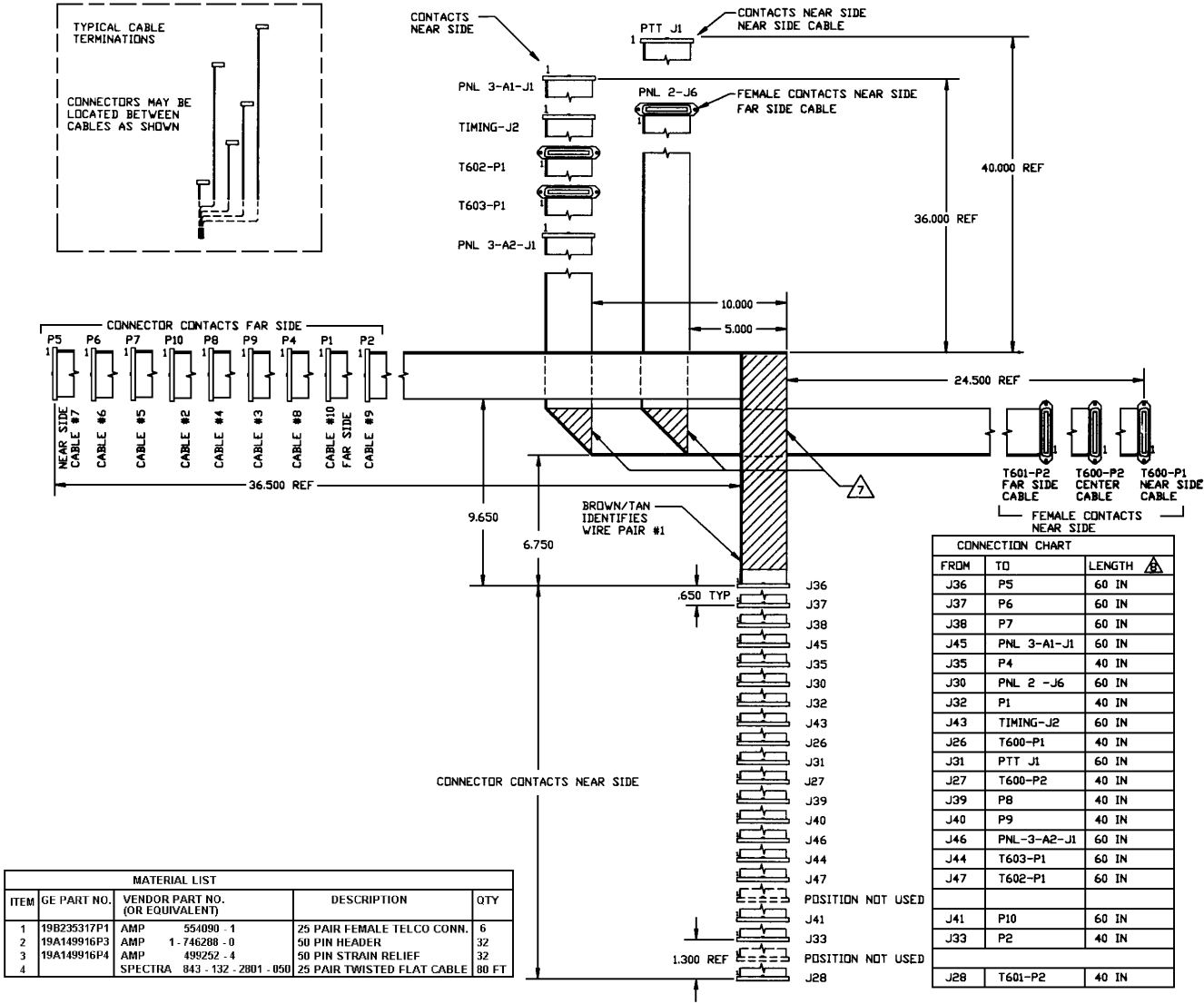
Power Cable 19D903986 is used to connect cabinet power at the Data Modem Transmit Site.

BNC-BNC cable 19B804122 is used to connect RF signals throughout the simulcast system.

System Interconnection Cable 19D903880 is used at the Control Point and Transmit Sites to complete the data and signal interconnect paths. At the Control Point the cables are used to interconnect the simulcast system with the site controller, telephone interconnect system, IMC switch, etc. At the Transmit Site the cables are used to interconnect the EDACS station to the simulcast transmit rack. The cable drawings identify the particulars of each cable including the connectors, cable dimensions and where the cable is used. It provides the electrical interconnections for data, signaling and dc power distribution.

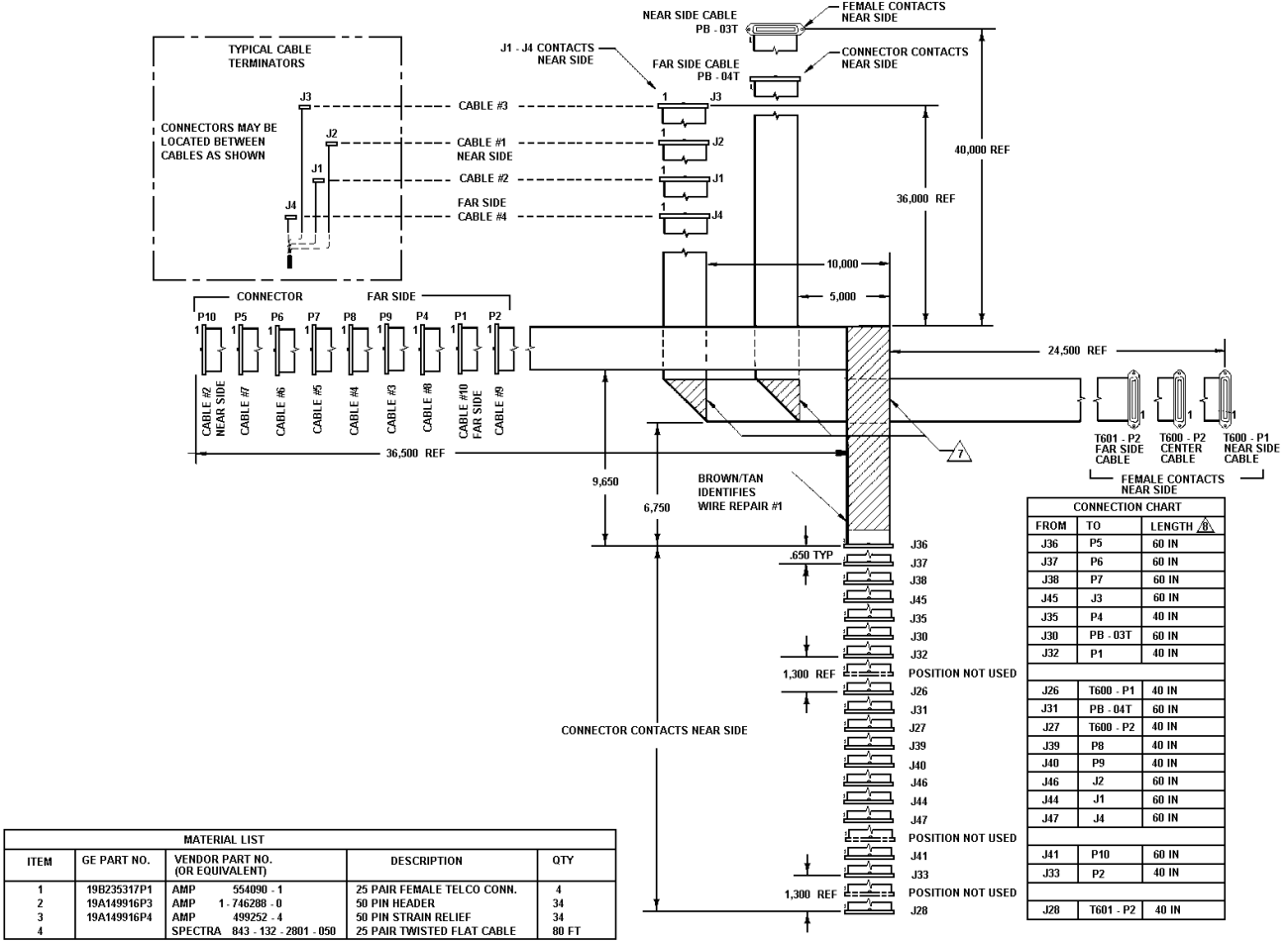


Ericsson Inc.
Private Radio Systems
Mountain View Road
Lynchburg, Virginia 24502
1-800-528-7711 (Outside USA, 804-528-7711)



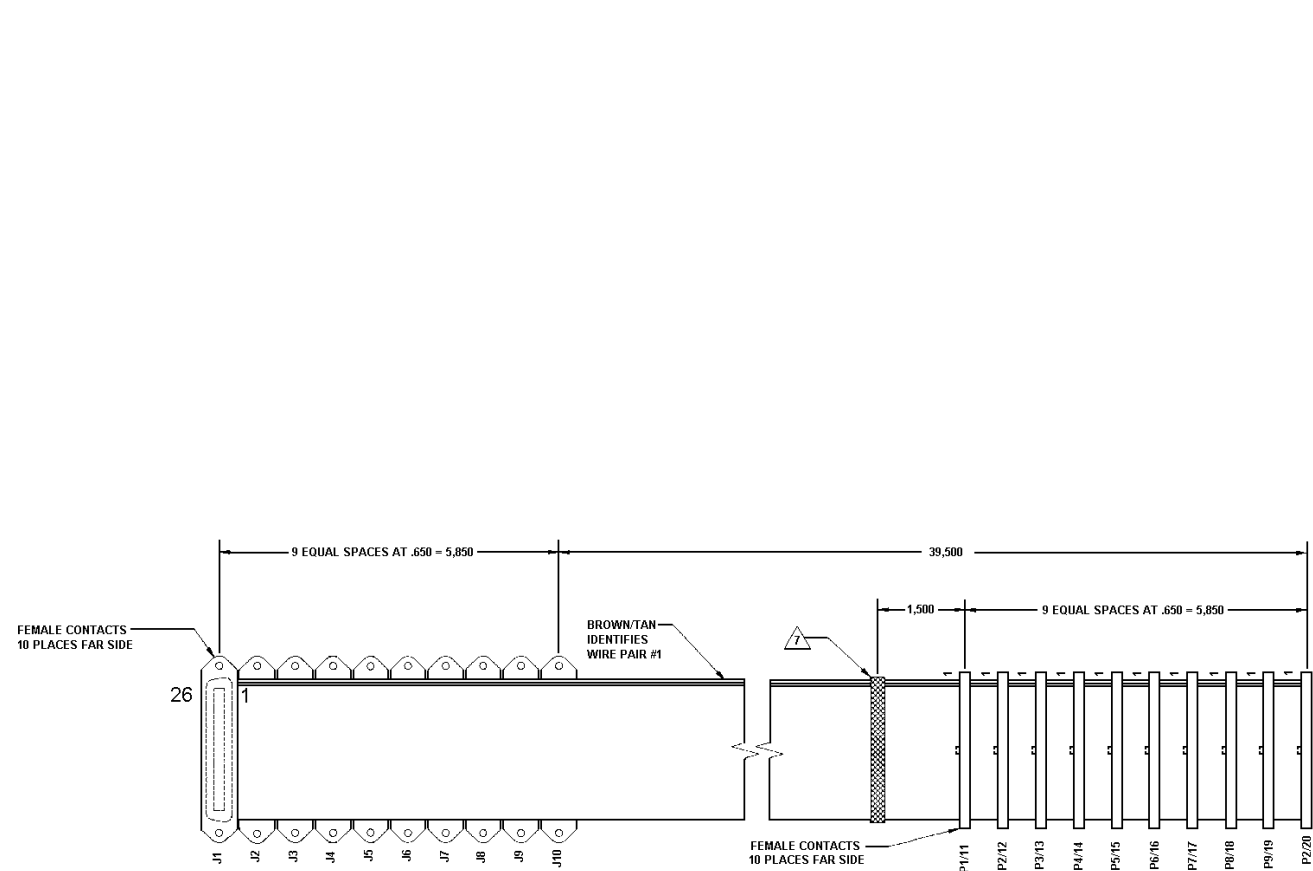
RIBBON CABLES, TWIST & FLAT
RS-232

(188D5916, Rev. 2)



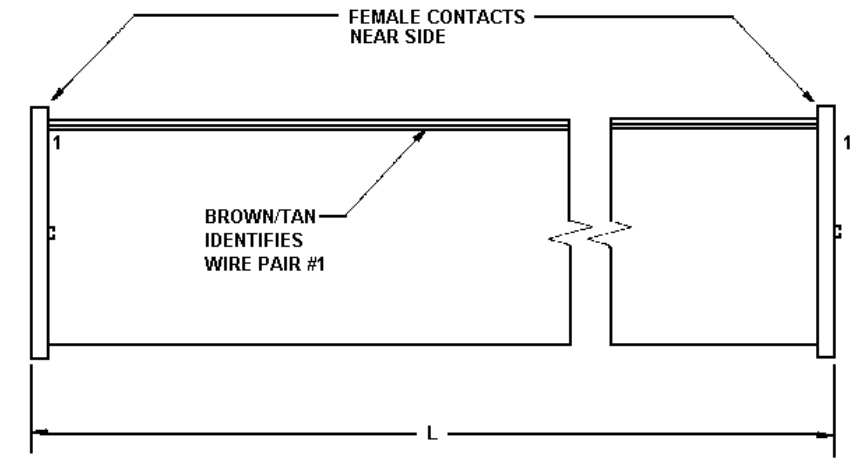
RIBBON CABLES, TWIST & FLAT
Modem Data

(19D903985, Sh. 1, Rev. 9A)



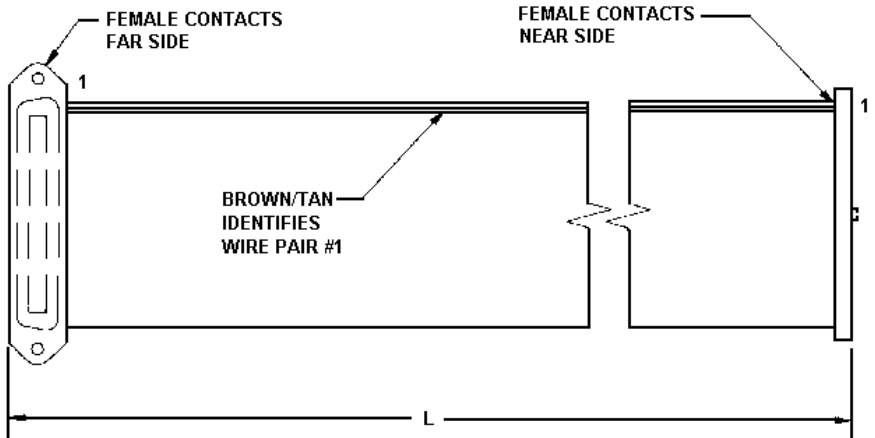
MATERIAL LIST				
ITEM	GE PART NO.	VENDOR PART NO. (OR EQUIVALENT)	DESCRIPTION	QTY
1	19B235317P1	AMP 554090 - 1	25 PAIR FEMALE TELCO CONN.	10
2	19A149916P3	AMP 1 - 746288 - 0	50 PIN HEADER	10
3	19A149916P4	AMP 499252 - 4	50 PIN STRAIN RELIEF	10
4		SPECTRA 843 - 132 - 2801 - 050	25 PAIR TWISTED FLAT CABLE	34 FT

CONNECTION CHART		
FROM	TO	LENGTH 
P1/11	J1	40 IN
P2/12	J2	40 IN
P3/13	J3	40 IN
P4/14	J4	40 IN
P5/15	J5	40 IN
P6/16	J6	40 IN
P7/17	J7	40 IN
P8/18	J8	40 IN
P9/19	J9	40 IN
P2/20	J10	40 IN



- PART 3 L = 19.50
- PART 4 L = 39.50
- PART 12 L = 19.50
- PART 14 L = 39.50
- PART 16 L = 59.50
- PART 18 L = 79.50

MATERIAL LIST				
ITEM	GE PART NO.	VENDOR PART NO. (OR EQUIVALENT)	DESCRIPTION	QTY
1	19A149916P3	AMP 1 - 746288 - 0	50 PIN HEADER	2
2	19A149916P4	AMP 499252 - 4	50 PIN STRAIN RELIEF	2
3		SPECTRA 843 - 132 - 2801 - 050	25 PAIR TWISTED FLAT CABLE	AR



- PART 5 L = 39.50
- PART 22 L = 19.50
- PART 24 L = 39.50
- PART 26 L = 59.50
- PART 28 L = 79.50
- PART 29 L = 99.50

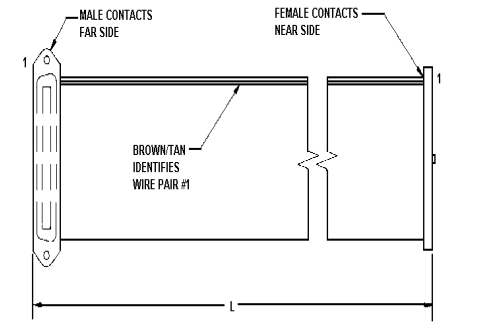
MATERIAL LIST				
ITEM	GE PART NO.	VENDOR PART NO. (OR EQUIVALENT)	DESCRIPTION	QTY
1	19B235317P1	AMP 554090 - 1	25 PAIR FEMALE TELCO CONN.	1
2	19A149916P3	AMP 1 - 746288 - 0	50 PIN HEADER	1
3	19A149916P4	AMP 499252 - 4	50 PIN STRAIN RELIEF	1
4		SPECTRA 843 - 132 - 2801 - 050	25 PAIR TWISTED FLAT CABLE	AR

RIBBON CABLES, TWIST & FLAT

(19D903985, Sh. 2, Rev. 9A)

RIBBON CABLES, TWIST & FLAT

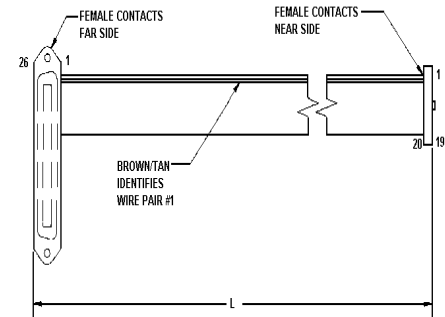
(19D903985, Sh. 2, Rev. 9A)



- PART 6 L = 39.75
PART 30 L = 19.75

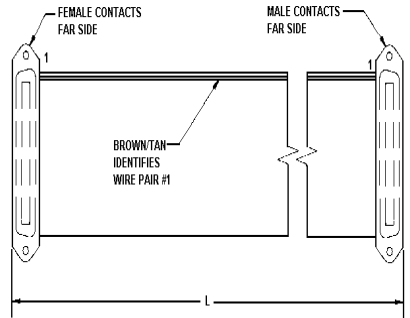
PART 32 L = 19.75
PART 34 L = 39.75
PART 36 L = 59.75
PART 38 L = 79.75

MATERIAL LIST				
ITEM	GE PART NO.	VENDOR PART NO. (OR EQUIVALENT)	DESCRIPTION	QTY
1	19B235317P4	AMP 554085 - 1	25 PAIR MALE TELCO CONN.	1
2	19A149916P3	AMP 1 - 746288 - 0	50 PIN HEADER	1
3	19A149916P4	AMP 499252 - 4	50 PIN STRAIN RELIEF	1
4		SPECTRA 843 - 132 - 2801 - 050	25 PAIR TWISTED FLAT CABLE	AR
5	19B000935P6	AMP 552723 - 1	LATCH - ASSEMBLE TO ITEM 1	1



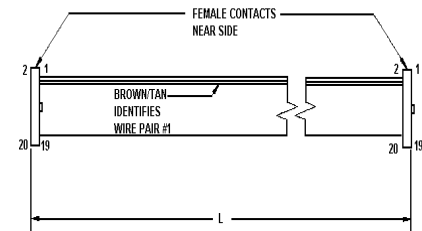
- PART 42 L = 19.75
PART 44 L = 39.75
PART 46 L = 59.75
PART 48 L = 79.75
PART 49 L = 99.75

MATERIAL LIST				
ITEM	GE PART NO.	VENDOR PART NO. (OR EQUIVALENT)	DESCRIPTION	QTY
1	19B235317P1	AMP 554090 - 1	25 PAIR FEMALE TELCO CONN.	1
2		AMP 746288 - 4	20 PIN HEADER	1
3		AMP 499252 - 2	20 PIN STRAIN RELIEF	1
4		SPECTRA 843 - 132 - 2801 - 020	10 PAIR TWISTED FLAT CABLE	AR



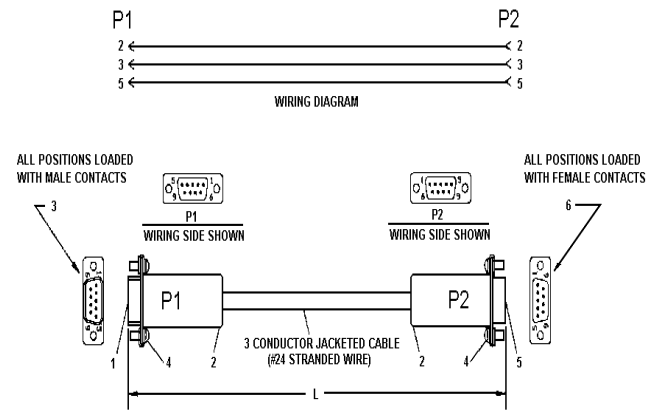
- PART 52 L = 20
PART 54 L = 40
PART 56 L = 60
PART 58 L = 80

MATERIAL LIST				
ITEM	GE PART NO.	VENDOR PART NO. (OR EQUIVALENT)	DESCRIPTION	QTY
1	19B235317P1	AMP 554090 - 1	25 PAIR FEMALE TELCO CONN.	1
2	19B235317P4	AMP 554085 - 1	25 PAIR MALE TELCO CONN.	1
3		SPECTRA 843 - 132 - 2801 - 050	25 PAIR TWISTED FLAT CABLE	AR



- PART 62 L = 19.50
PART 64 L = 39.50
PART 66 L = 59.50
PART 68 L = 79.50

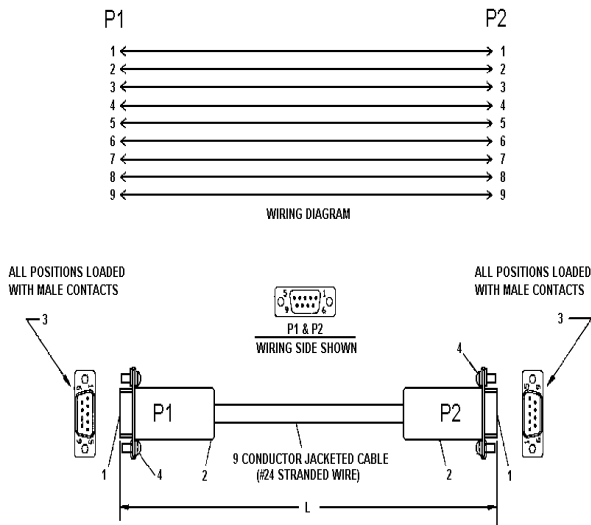
MATERIAL LIST				
ITEM	GE PART NO.	VENDOR PART NO. (OR EQUIVALENT)	DESCRIPTION	QTY
1		AMP 746288 - 4	20 PIN HEADER	2
2		AMP 499252 - 2	20 PIN STRAIN RELIEF	2
3		SPECTRA 843 - 132 - 2801 - 020	10 PAIR TWISTED FLAT CABLE	AR



MATERIAL LIST				
ITEM	GE PART NO.	VENDOR PART NO. (OR EQUIVALENT)	DESCRIPTION	QTY
1	19209727P21	AMP 205204 - 1	CONNECTOR HOUSING (DB9-M)	1
2	19209727P30	AMP 206478 - 1	CONNECTOR HOOD (DB9)	2
3	19209727P12	AMP 1 - 66506 - 0	CONTACT (MALE)	9
4	19209727P9	AMP 205980 - 1	SCREWLOCK	2
5	19209727P18	AMP 205203 - 1	CONNECTOR HOUSING (DB9-F)	1
6	19209727P11	AMP 1 - 66504 - 9	CONTACT (FEMALE)	9

- PART 71 L = 36
PART 72 L = 120

PART 73 L = 48



MATERIAL LIST				
ITEM	GE PART NO.	VENDOR PART NO. (OR EQUIVALENT)	DESCRIPTION	QTY
1	19209727P21	AMP 205204 - 1	CONNECTOR HOUSING (DB9-M)	2
2	19209727P30	AMP 206478 - 1	CONNECTOR HOOD (DB9)	2
3	19209727P12	AMP 1 - 66506 - 0	CONTACT (MALE)	18
4	19209727P9	AMP 205980 - 1	SCREWLOCK	2

- PART 82 L = 120
PART 84 L = 240

PART 86 L = 360
PART 88 L = 480

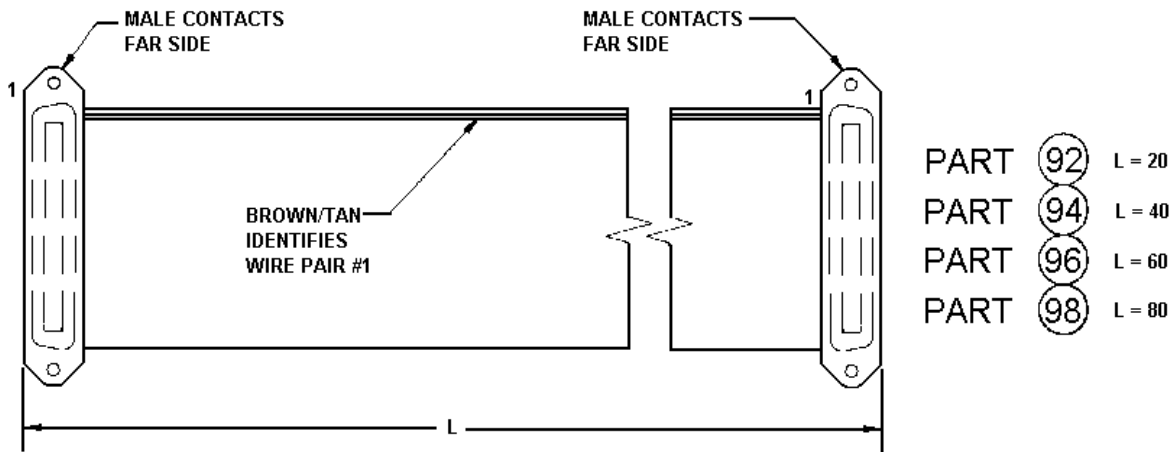
PART 90 L = 600

RIBBON CABLES, TWIST & FLAT

(19D903985, Sh. 4, Rev. 9A)

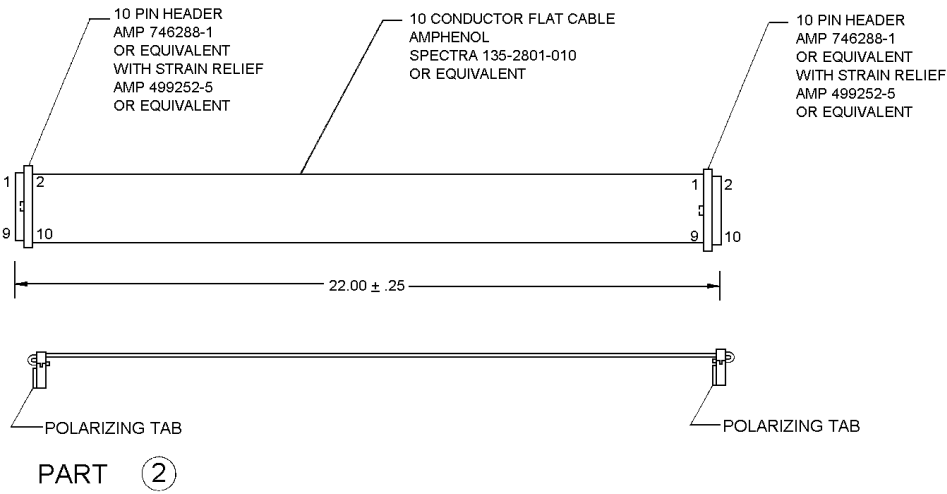
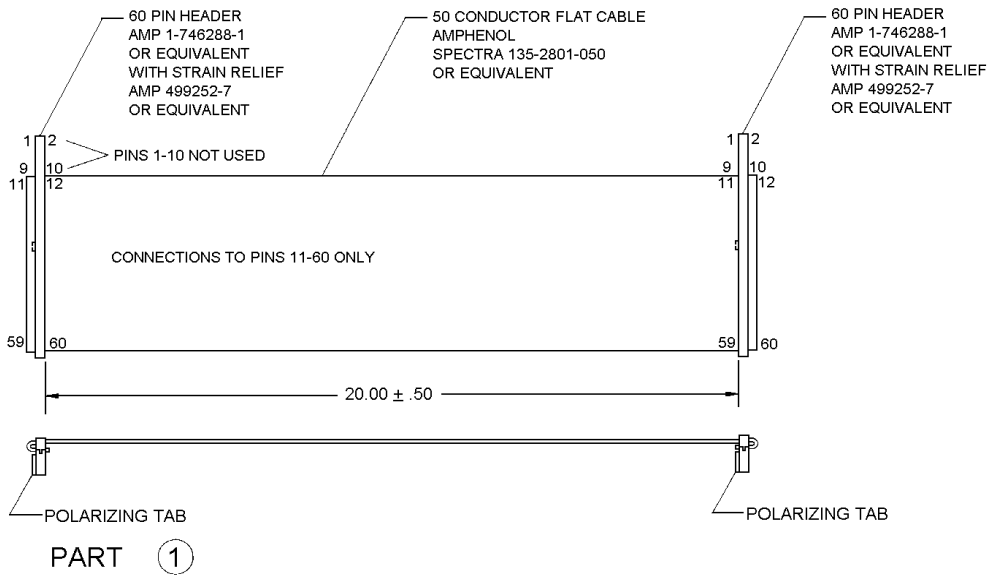
RIBBON CABLES, TWIST & FLAT

(19D903985, Sh. 5, Rev. 9A)



MATERIAL LIST				
ITEM	GE PART NO.	VENDOR PART NO. (OR EQUIVALENT)	DESCRIPTION	QTY
1	19B235317P4	AMP 554085 - 1	25 PAIR MALE TELCO CONN.	2
2		SPECTRA 843 - 132 - 2801 - 050	25 PAIR TWISTED FLAT CABLE	2 AR

- PART 92 L = 20
- PART 94 L = 40
- PART 96 L = 60
- PART 98 L = 80



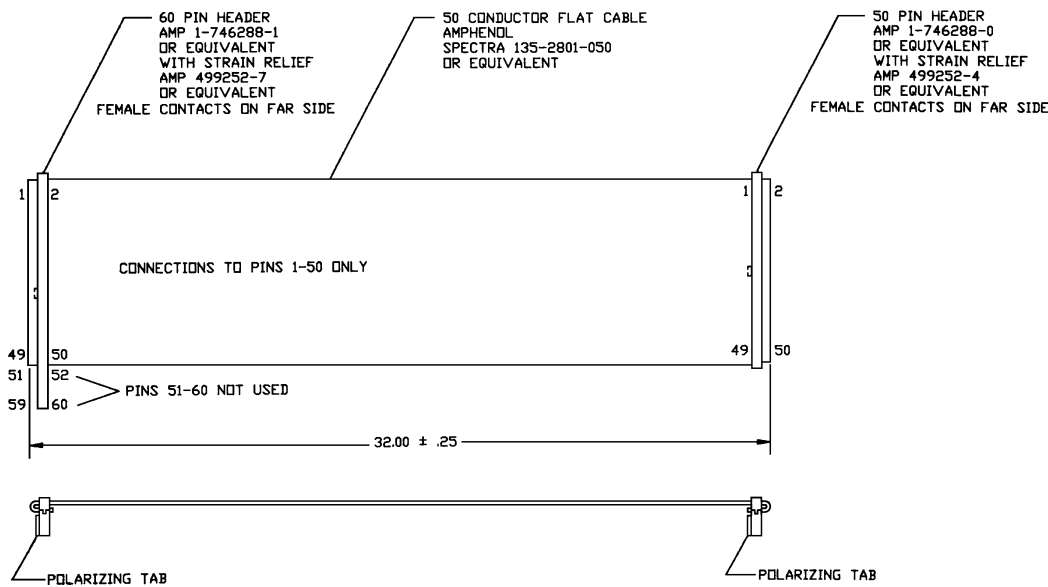
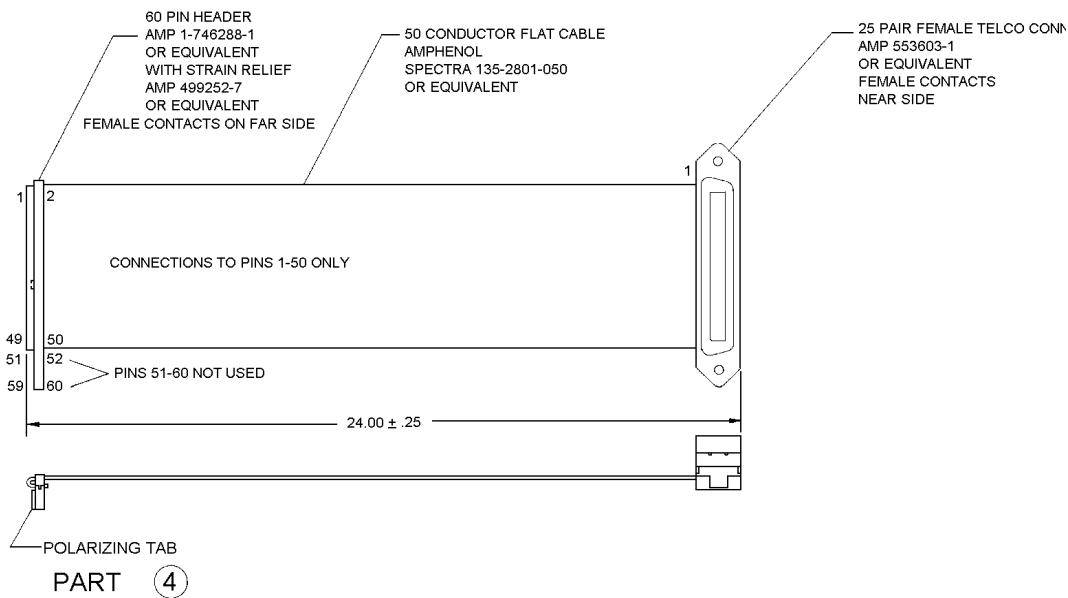
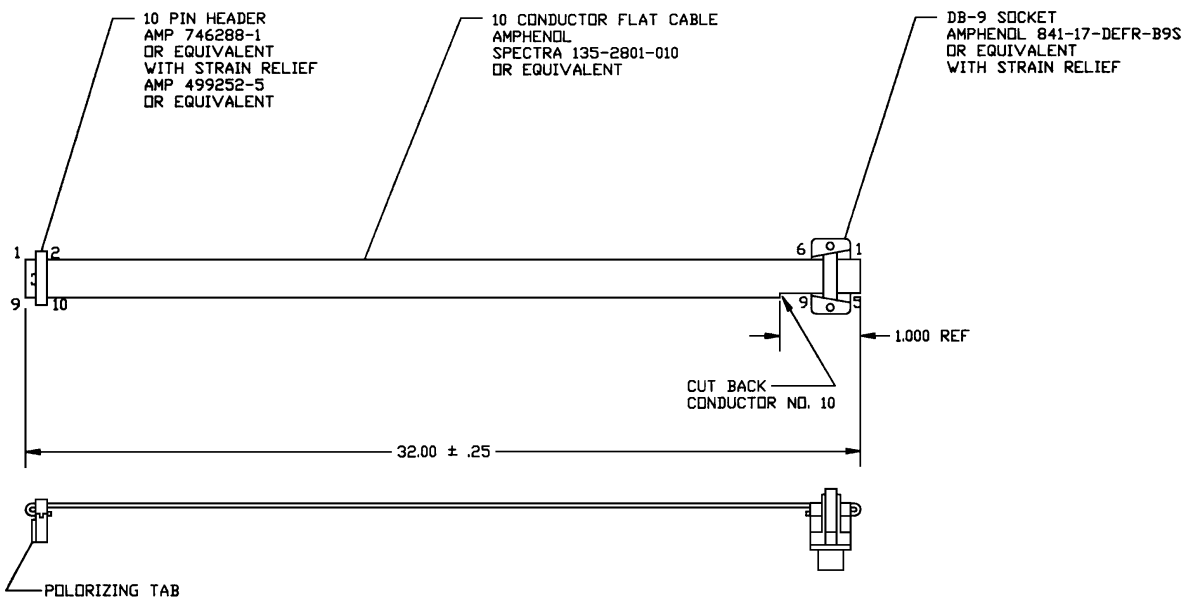
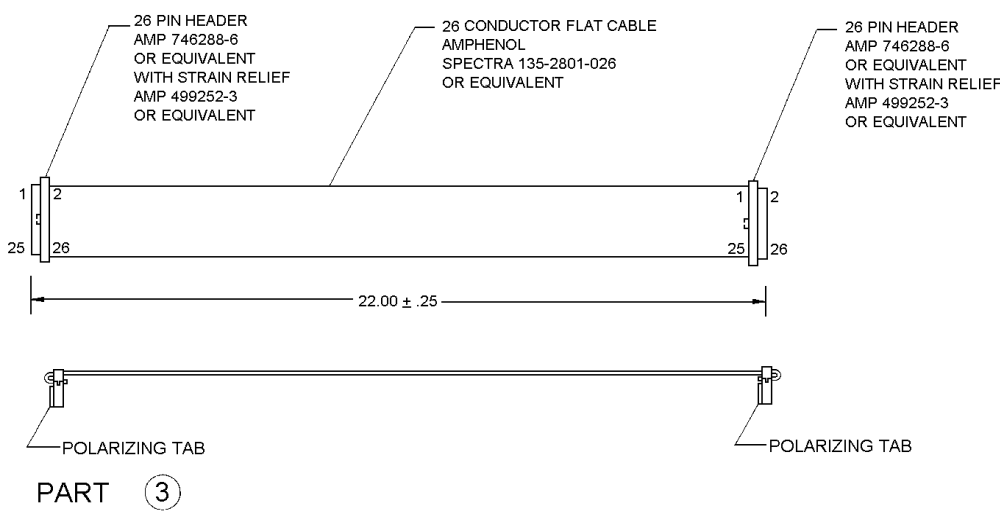
RIBBON CABLES, TWIST & FLAT

(19D903985, Sh. 6, Rev. 9A)

RIBBON CABLES, TWIST & FLAT
Alarm Shelf Wiring

(19C337513, Sh. 1, Rev. 3B)

(19C337513, Sh. 2, Rev. 3B)

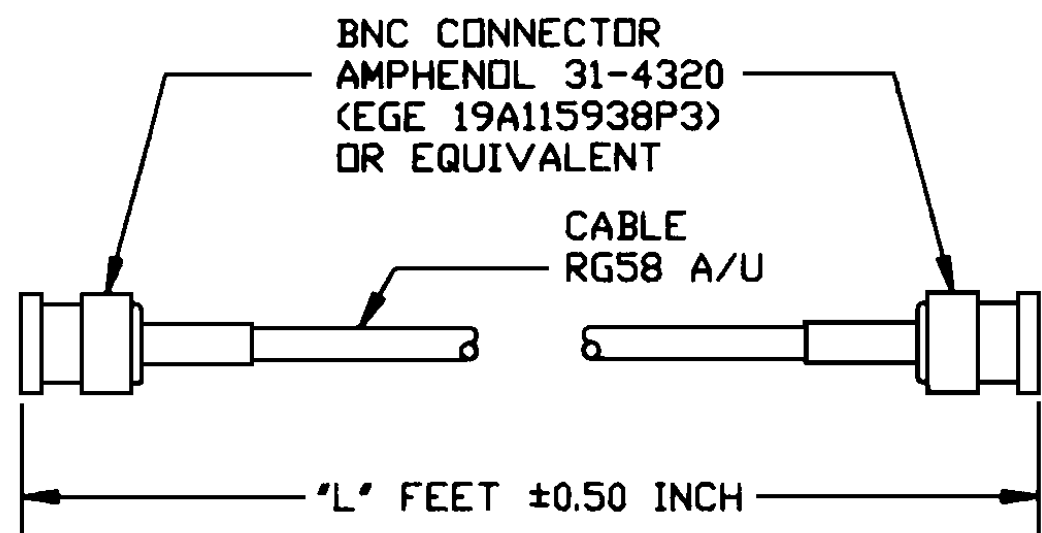


RIBBON CABLES, TWIST & FLAT
Alarm Shelf Wiring

(19C337513, Sh. 3, Rev. 3B)
(19C337513, Sh. 4, Rev. 3B)

RIBBON CABLES, TWIST & FLAT
Alarm Shelf Wiring

(19C337513, Sh. 5, Rev. 3B)
(19C337513, Sh. 6, Rev. 3B)

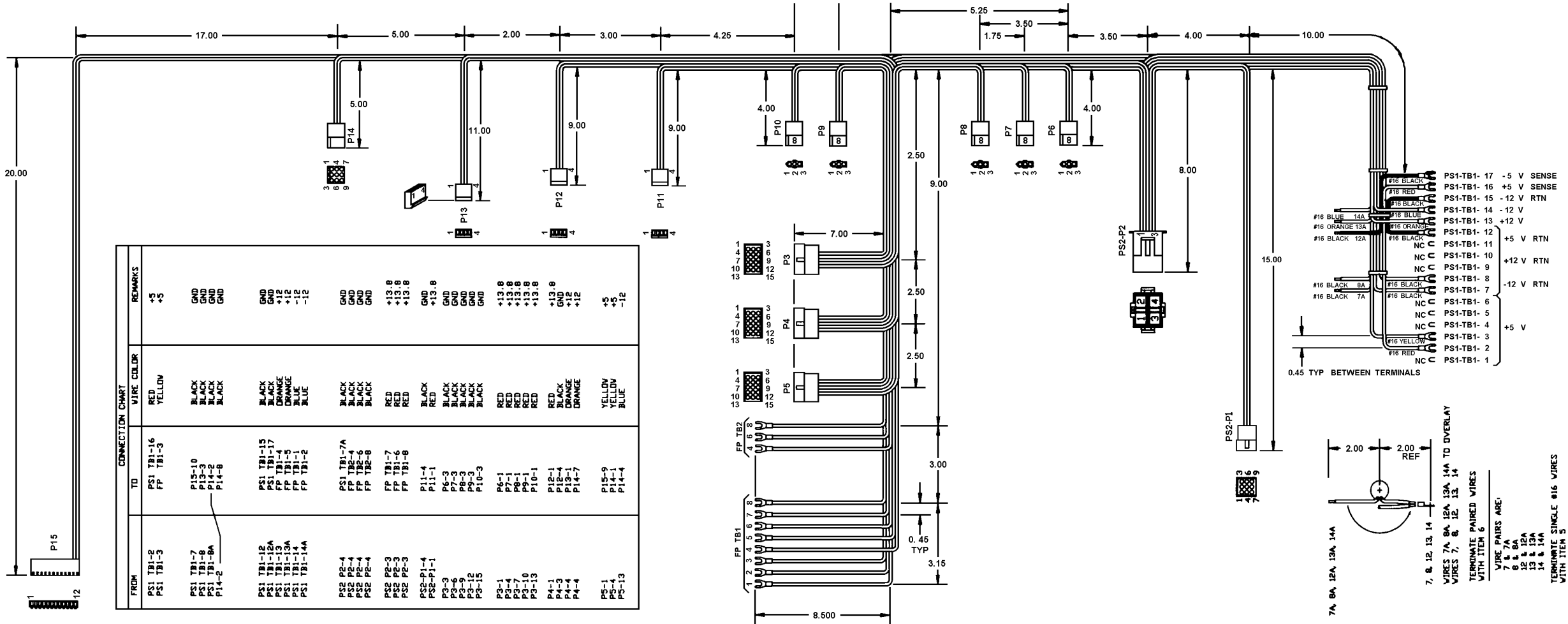


PART	' L '
1	2
2	4
3	6
4	8
5	10
6	12
7	14
8	16
9	18
10	20
11	22
12	24
13	26
14	28
15	30
16	1

BNC-TO-BNC

(19B804122, Rev. 1A)

MATERIAL LIST				
ITEM	EGE PART NO.	VENDOR PART NO.	DESCRIPTION	QTY
P1	198209288P4	MOLEX 03-09-2092	9 PIN PLUG	1
P2	344A3804P1	AMP 643267-1	4 PIN PLUG	1
P3	198209288P6	MOLEX 03-09-2154	15 PIN PLUG	1
P4	198209288P6	MOLEX 03-09-2154	15 PIN PLUG	1
P5	198209288P6	MOLEX 03-09-2154	15 PIN PLUG	1
P6	198209288P8	MOLEX 03-09-1032	3 PIN RECEPTACLE	1
P7	198209288P8	MOLEX 03-09-1032	3 PIN RECEPTACLE	1
P8	198209288P8	MOLEX 03-09-1032	3 PIN RECEPTACLE	1
P9	198209288P8	MOLEX 03-09-1032	3 PIN RECEPTACLE	1
P10	198209288P8	MOLEX 03-09-1032	3 PIN RECEPTACLE	1
P11	19A116659P17	MOLEX 09-03-3041	4 PIN RECEPTACLE	1
P12	19A116659P17	MOLEX 09-03-3041	4 PIN RECEPTACLE	1
P13	19A116659P17	MOLEX 09-03-3041	4 PIN RECEPTACLE	1
P14	198209288P21	MOLEX 03-09-1093	9 PIN RECEPTACLE	1
P15	19A116659P21	MOLEX 09-50-3121	12 PIN RECEPTACLE	1
1	198209288P2	MOLEX 02-09-2101	MALE CONTACT	17
2	198209288P1	MOLEX 02-09-1101	FEMALE CONTACT	15
3	344A3805P1	AMP 350650-1	CONTACT	2
4	19A116781P3	MOLEX 08-50-0105	FEMALE CONTACT	8
5		AMP 52935-1	TERMINAL, FORK	16
5		AMP 52941-1	TERMINAL, FORK	5



POWER CABLE
RS232 Transmit Site

(188D5910, Rev. 2)

Diagram illustrating the wiring connections for a system, showing modules, power supplies, and terminal blocks.

Wiring Connections:

- MOD TBI-1 to MOD TBI-10: Yellow, Yellow, Black, Black, Orange, Orange, Blue.
- STRIP AND TIN .312 +/- .062 (6 PLACES)
- PS1 TBI-2 to PS1 TBI-14: Yellow, Yellow, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS1 TBI-15 to PS1 TBI-20: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS1 TBI-21 to PS1 TBI-30: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS1 TBI-31 to PS1 TBI-40: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS1 TBI-41 to PS1 TBI-50: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS1 TBI-51 to PS1 TBI-60: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS1 TBI-61 to PS1 TBI-70: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS1 TBI-71 to PS1 TBI-80: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS1 TBI-81 to PS1 TBI-90: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS1 TBI-91 to PS1 TBI-100: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-4 to PS2 P2-4: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-3 to PS2 P2-3: Red, Red, Red, Red, Red, Red, Red, Red, Red, Red, Red, Red, Red, Red.
- PS2 P2-2 to PS2 P2-2: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
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- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
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- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
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- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
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- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-1 to PS2 P2-1: Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black, Black.
- PS2 P2-

(19D903986, Rev. 0)

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)								
	(SPADE LUG TO BE 4" BEYOND JACKET)	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	26	27	
GETC DATA TO SERIAL LINK (STN CAB)	20"	44"	60"	76"	87"	97"	132"	180"	
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	34	35			
PHONO CONNECTOR--	20"	44"	60"	76"	87"	97"			
-- 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	
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			

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			

(19D903880, Sh. 5, Rev. 12A)

(19D903880, Sh. 6, Rev. 12A)

CABLE #72 POWER MONITOR TO CC (SITE CNTL CAB)

CABLE 72
36"

P02 IS A DB-9 CONNECTOR MALE
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)

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

P02-ALL OTHER PINS ARE NOT USED

CABLE #73 POWER MONITOR TO CHANNEL (SITE CNTL CAB)

CABLE 73
36"

P02 IS A DB-09 CONNECTOR MALE
P03 IS A DB-25 CONNECTOR FEMALE
HOUSING FOR P02 MUST NOT EXCEED THICKNESS OF .620
(SHIELD CONNECTS TO CASE AT P03)

	P03-01	
	P03-02	
	P03-03	
	P03-04	
	P03-05	
	P03-06	
	P03-07	
	P03-08	
	P03-09	
P02-02	P03-10	TX01 HI
P02-03	P03-11	TX02 HI
P02-04	P03-12	TX03 HI
P02-05	P03-13	TX04 HI
	P03-14	
	P03-15	
	P03-16	
	P03-17	
	P03-18	
	P03-19	
	P03-20	
	P03-21	
P02-06	P03-22	TX01 LO
P02-07	P03-23	TX02 LO
P02-08	P03-24	TX03 LO
P02-09	P03-25	TX04 LO
P02-01	NOT USED	

CABLE #74 POWER MONITOR TO ANTENNA (SITE CNTL CAB)

CABLE 74
36"

P02 IS A DB-09 CONNECTOR MALE		
P03 IS A DB-25 CONNECTOR FEMALE		
HOUSING FOR P02 MUST NOT EXCEED THICKNESS OF .620		
(SHIELD CONNECTS TO CASE AT P03)		
P03-01		
P03-02		
P03-03		
P03-04		
P03-05		
P03-06		
P03-07		
P03-08		
P03-09		
P02-04	P03-10	ANT02R HI
P02-03	P03-11	ANT02F HI
P02-02	P03-12	ANT01R HI
P02-01	P03-13	ANT01F HI
P03-14		
P03-15		
P03-16		
P03-17		
P03-18		
P03-19		
P03-20		
P03-21		
P02-09	P03-22	ANT02R LO
P02-08	P03-23	ANT02F LO
P02-07	P03-24	ANT01R LO
P02-06	P03-25	ANT01F LO

CABLE 80 LIX TO SITE CONTROLLER (SITE CNT CAB)

CABLE 80
54"

P01 DB-9 MALE		
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
54"

P01 DB-9 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 (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	CABLE #91 GETC TO EMULEX PANEL				CABLE 91
	P01 DB-9	MALE	(SITE CNTL CAB)	54"		P01 DB-9	MALE	(VAX SITE CNTL CAB)	54"
	P02 DB-25 FEMALE					P02 IS A SHIELD 8 POSITION MODULAR CONNECTOR			
	P02-01	SHIELD				AMP 5-555178-3 -----CABLE IS C&M 10217			
P01-01	P02-07	SIGNAL GND				SHIELD OF MODULAR CONNECTOR CONNECTS TO FOIL OF CABLE			
P01-02	P02-02	RX DATA				P02-01	SHIELD		
P01-03	P02-03	TX DATA			P01-02	P02-02	RX DATA		
P01-04					P01-03	P02-03	TX DATA		
P01-05						P02-04			
P01-06						P02-05			
P01-07						P02-06			
P01-08					P01-01	P02-07	SIGNAL GND		
P01-09						P02-08			
	P02-04				P01-04				
	P02-05				P01-05				
	P02-06				P01-06				
	P02-08				P01-07				
	P02-09				P01-08				
	P02-10				P01-09				
	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 # 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		
	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 # 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			

(19D903880, Sh. 13, Rev. 12A)
(19D903880, Sh. 14, Rev. 12A)

CABLE #110 MODEM TO SITE CONTROLLER (SITE CNTL CAB)			CABLE 110	CABLE #120 CABINET TO CABINET			CABLE 120	121	122	123	124	125	126
	P01 DB-25 MALE		54"	TELCO CONNECTOR 25 TWISTED PAIR SHIELDED			5FT	15FT	7FT	10FT	20FT	25FT	30FT
	P02 DB-25 FEMALE			AMP # 5-555012-1 OR 5-555012-2									
P01-01	P02-01	SHIELD		(RT ANGLE CASE, WITH BAIL LOCK MATING			127	128	129				
P01-02	P02-02	TX DATA		CABLE TO EXIT ON PIN 1/26 END)			35FT	40FT	50FT				
P01-03	P02-03	RX DATA		P01 AND P02 MALE CONNECTOR									
P01-04	P02-04	RTS		WIRE SIZE #28 STRANDED									
P01-05	P02-05	CTS		STRAIGHT THROUGH CONNECTION 1-1, 2-2 ETC.									
P01-06	P02-06	DSR		SHIELD CONNECT TO CASE BOTH ENDS									
P01-07	P02-07	SIGNAL GND		CABLE TO MARKED WITH ERICSSON-GE NUMBER 19D903880P120 FOR 5' OR									
P01-08	P02-08	DCD		19D903880P121 FOR 15' CABLE									
P01-09				CABLE #130 SERIAL LINK CABINET TO CABINET			CABLE 130	131	132	133	134	135	
P01-10				P01 ABD P02 DB-15 MALE CONNECTOR			5FT	15 FT	20FT	25FT	30FT	35FT	
P01-11				STRAIGHT THROUGH CONNECTION 1-1, 2-2 ETC.									
P01-12				SHIELD CONNECT TO CASE BOTH ENDS			136	137	138				
P01-13							40FT	45FT	50FT				
P01-14				NOT USED ON NEW DESIGN CABLE 140									
P01-15				CABLE #140 RIC TO SITE CONTROLLER (SITE CNTL CAB)			CABLE 140						
P01-16				P01 DB-9									
P01-17				MALE			54"						
P01-18				P02 DB-25 FEMALE									
P01-19				P02-01 SHIELD									
P01-20	P02-20	DTR		P01-01									
P01-21				P01-02									
P01-22				P01-03									
P01-23				P01-04	P02-07 SIGNAL GND								
P01-24				P01-05									
P01-25				P01-06									
	P02-09			P01-07	P02-02 RX DATA								
	P02-10			P01-08									
	P02-11			P01-09	P02-03 TX DATA								
	P02-12				P02-04								
	P02-13				P02-05								
	P02-14				P02-06								
	P02-15				P02-08								
	P02-16				P02-09								
	P02-17				P02-10								
	P02-18				P02-11								
	P02-19				P02-12								
	P02-21				P02-13								
	P02-22				P02-14								
	P02-23				P02-15								
	P02-24				P02-16								
	P02-25				P02-17								
					P02-18								
					P02-19								
					P02-20								
					P02-21								
					P02-22								
					P02-23								
					P02-24								
					P02-25								

(19D903880, Sh. 15, Rev. 12A)
(19D903880, Sh. 16, Rev. 12A)

CABLE #145 RIC TO SITE CONTROLLER (SITE CNTL CAB)

NEW SERIAL MODULE WITH RJ-11 REPLACING DB-9
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 145
54"

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
P01-2 P02-2
P01-3 P02-3
P01-4 P02-4
P01-5 P02-5
P01-6 P02-9

CABLE 170
72"

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
P01-3 P02-3
P02-4
P02-5
P01-1 P02-6
P02-7
P02-8
P02-9
P01-4
P01-5
P01-6
P01-7

CABLE 180
48"

CABLE # 150 POWER CONNECTOR TO BACKUP DOWNLINK GETC

1 PAIR #16 RED/BLACK
TERMINATED BOTH ENDS WITH SPADE LUGS FOR #6 SCREW
RED CONDUCTOR 7 INCHES FROM ONE END, SPLICE IN 19A142950P35 IN-LINE FUSE HOLDER OR
EQUIVALENT AND 250V 3 AMP FUSE.

CABLE 150
84"

CABLE #160 SIMULCAST TX SITE RESET

P01/P02 MODULAR PLUG (RJ11) SIX POSITION FOUR LOADED
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 160 161 162 163 164 165 166
20" 72" 10FT 20FT 30FT 40FT 50FT

CABLE #190 SIMULCAT TX SITE (TEST UNIT)

P01 19A700041P29 CONNECTOR HOUSING (MOLEX 22-01-2035)
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 190
24"

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 (C & M PART NO. 19523 OR EQUIVALENT)		
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			LENGTH OF CABLES (INCHES)	
	(SPADE LUG TO BE 4" BEYOND JACKET)		CABLE 220	
	P01 IS A DB-9 MALE		48"	
	CABLE HAS 4 TWISTED PAIRS			
	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 # 250 SIMULCAST, MIII AUDIO TO GETC			
P01 IS A RJ12 SIX CIRCUIT ALL LOADED		LENGTH OF CABLE (IN INCHES)	
P02 IS A DB9 CONNECTOR (MALE)		CABLE #250	36"
SPADE LUG TO EXTEND 18" FROM HOUSING			
P01-02	P02-01	TX TIP	(BLACK)
P01-03	P02-02	RX TIP	(RED)
P01-04	P02-07	RX RING	(GREEN)
P01-05	P02-06	TX RING	(YELLOW)
SPADE LUG #6 SCREW P02-05 BYPASS			

CABLE # 260 TUAI JUMPER CABLE	260	261	262	263
1 WIRE #22 SUPER FLEX WHITE	6"	40"	53"	72"
TERMINATE BOTH ENDS WITH SPADE LUGS FOR #6 SCREW				

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					
	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)							
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				

(19D903880, Sh. 21, Rev. 12A)

(19D903880, Sh. 22, Rev. 12A)

ASSEMBLE PER 344A4278 FIGURE 3 -- 'L' DIMENSION = 10FT

P740 20FT

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			FEMALE PINS 19B209288P1--MOLEX 02-09-1101
	MALE PIN 350654-1 OR 350669-1 (GND PIN)			PWR/GND-- 19A116659P21--MOLEX 03-50-312
	ALL WIRES #16			FEMALE PIN --19A116781P3--MOLEX08-50-0105
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	-	P01-08
				P01-3/5/6/9 NOT USED
P09-07	ORANGE	+12	-	PWR-01
PWR-01	*	+12	-	PWR-02 #24 RED WIRE
PWR-02	*	+12	-	PWR-03 #24 RED WIRE
PWR-03	*	+12	-	PWR-04 #24 RED WIRE
PWR-04	*	+12	-	PWR-05 #24 RED WIRE
PWR-05	*	+12	-	PWR-06 #24 RED WIRE
PWR-06	*	+12	-	PWR-07 #24 RED WIRE
PWR-07	*	+12	-	PWR-08 #24 RED WIRE
PWR-08	*	+12	-	PWR-09 #24 RED WIRE
PWR-09	*	+12	-	PWR-10 #24 RED WIRE
PWR-10	*	+12	-	PWR-11 #24 RED WIRE
PWR-11	*	+12	-	PWR-12 #24 RED WIRE
P09-06	BLACK	GND	-	GND-01
GND-01	*	GND	-	GND-02 #24 BLACK WIRE
GND-02	*	GND	-	GND-03 #24 BLACK WIRE
GND-03	*	GND	-	GND-04 #24 BLACK WIRE
GND-04	*	GND	-	GND-05 #24 BLACK WIRE
GND-05	*	GND	-	GND-06 #24 BLACK WIRE
GND-06	*	GND	-	GND-07 #24 BLACK WIRE
GND-07	*	GND	-	GND-08 #24 BLACK WIRE
GND-08	*	GND	-	GND-09 #24 BLACK WIRE
GND-09	*	GND	-	GND-10 #24 BLACK WIRE
GND-10	*	GND	-	GND-11 #24 BLACK WIRE
GND-11	*	GND	-	GND-12 #24 BLACK WIRE
	P09-08/9 NOT USED			

* TWO WIRES IN ONE TERMINAL

CABLE TO -12/-24 VOLT POWER SUPPLY PANEL

CABLE TO DIGITAL POWER PANEL/ OTHER ANALOG RACKS

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

ANALOG POWER PANEL--

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-OTHER PINS NOT USED
	P01-02 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

P790	P791
16 FT	20FT

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 SCREWS
	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	

(19D903880, Sh. 25, Rev. 12A)

(19D903880, Sh. 26, Rev. 12A)

					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				

CABLE 907 DEC VAX SITE CONTROLLER FIRST STATION GETC (SEE 344A4278 FIGURE 8)		907
P01 IS A 8 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		

- FOR ALL PARTS UNLESS OTHERWISE SPECIFIED IN FIGURE DETAIL
OR ON PURCHASE DRAWING.
- 1. CABLE LENGTH IS IN INCHES.
 - 2. LENGTH IS MEASURED OVER CONNECTORS
 - 3. ALL CONNECTORS SHALL PROVIDE STRAIN RELIEF.
 - 4. ALL "DB" CONNECTORS SHALL BE FULLY LOADED WITH PINS.
 - 5. CABLE SHALL BE MARKED WITH EGE DRAWING AND PART NUMBER.
 - 6. ALL CONNECTORS SHALL HAVE GOLD FLASH OVER NICKEL ON ENTIRE CONTACT WITH AN ADDITIONAL .000030 ON MATING END.
 - 7. CABLE ASSEMBLY OPERATING TEMPERATURE RENG -20 TO +80 DEG C.
 - 8. ALL CONDUCTORS SHALL BE #24 STRANDED WIRE, EXCEPT WHERE NOTED

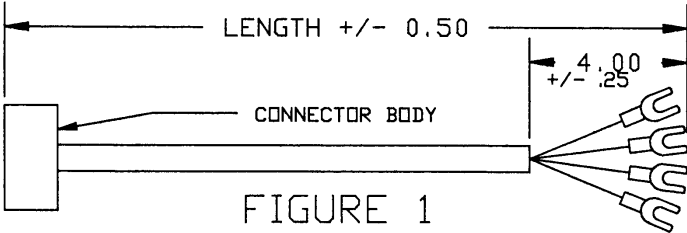


FIGURE 1

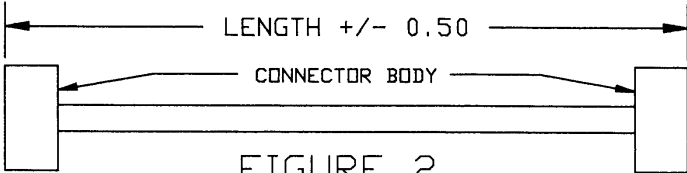


FIGURE 2

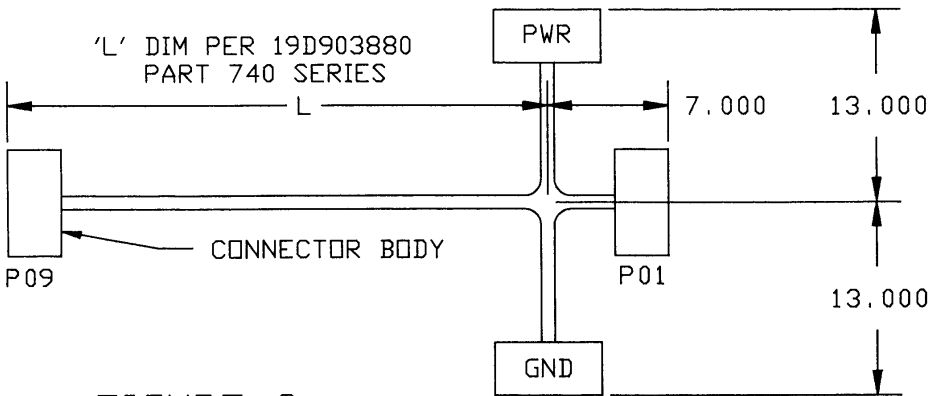


FIGURE 3

(FOR PART 740 SERIES)

TOLERANCE FOR ALL
DIMENSIONS IS $\pm .50$

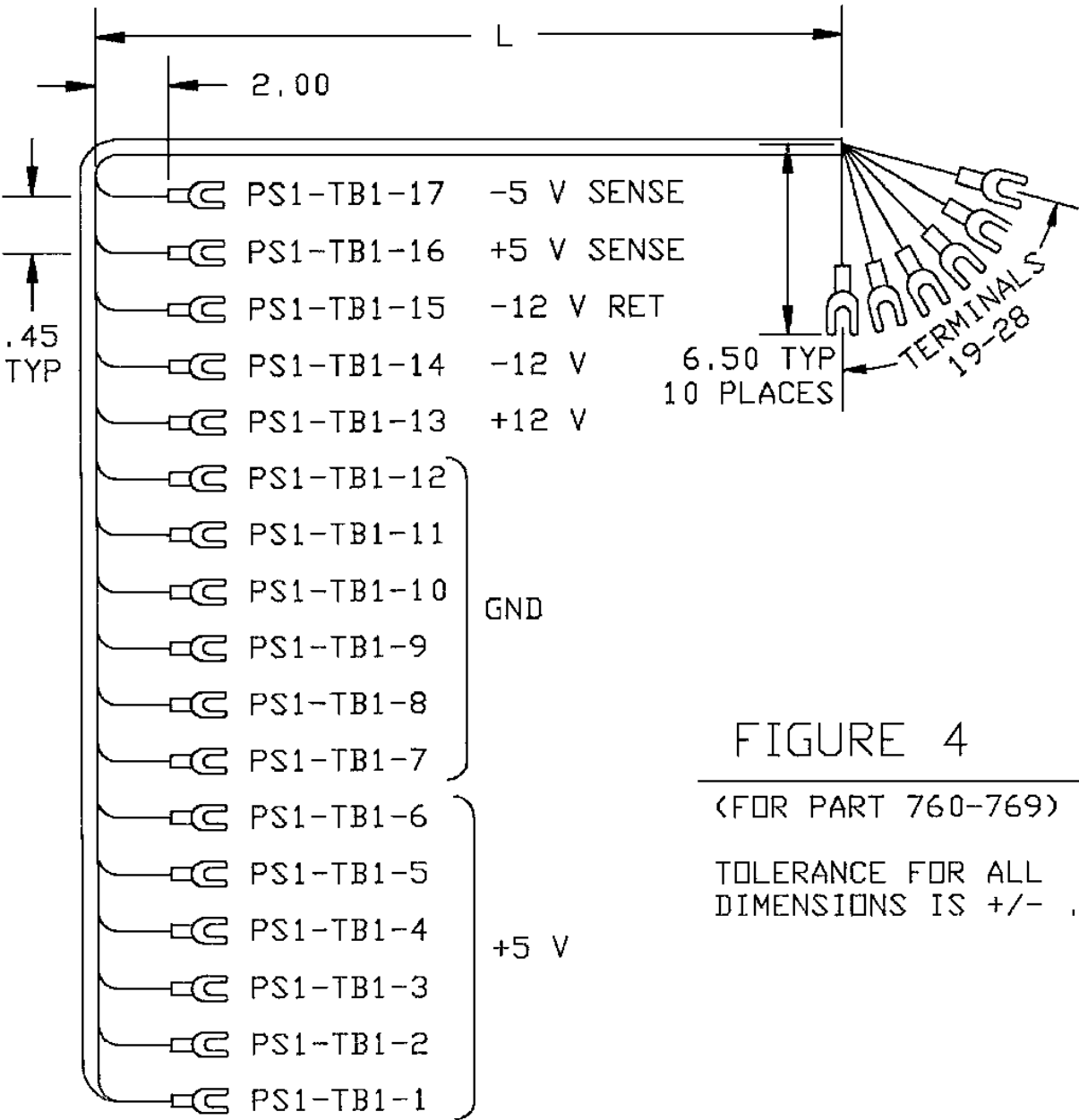
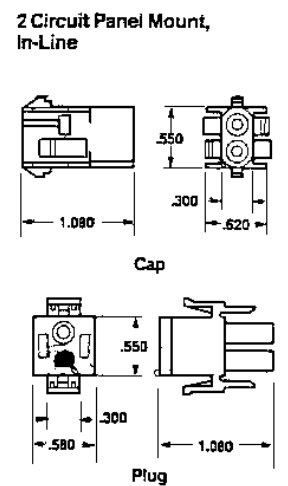
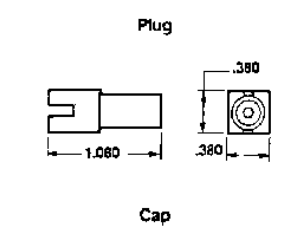
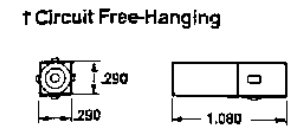


FIGURE 4

(FOR PART 760-769)

TOLERANCE FOR ALL
DIMENSIONS IS $\pm .50$

Housings

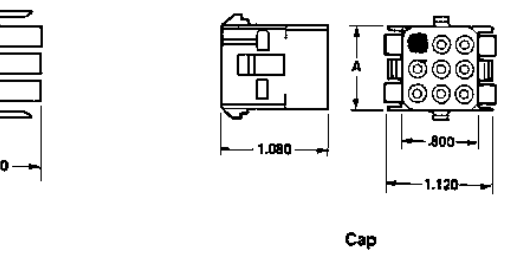
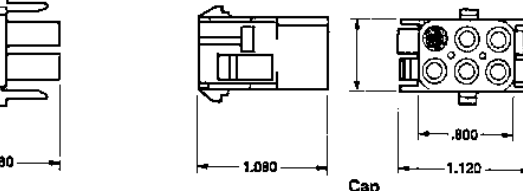
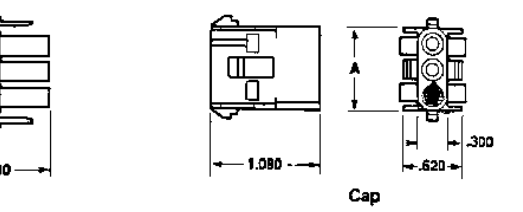
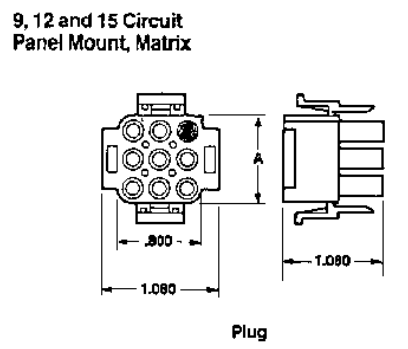
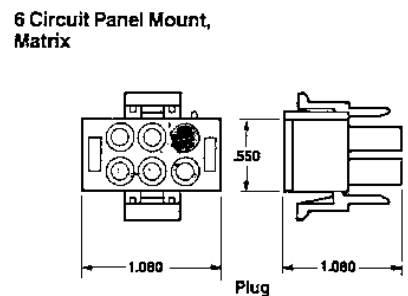
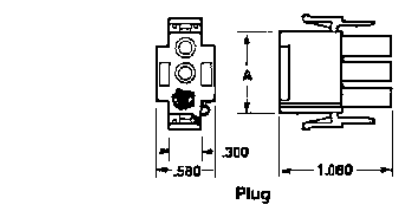


Related Product Data
Panel-Cutout Recommendations-
pg. 2142
Keying Plug-pg. 2142
Strain Reliefs-pg. 2142 & 2143
Technical Documents-pg. 2169

NOTES:
1. 94V-0 NYLON MATERIAL IS BRICK RED COLOR
2. CONTACTS ARE ON .250 CENTERLINES
3. ● IDENTIFIES PIN 1 IN WIRING SIDE VIEW

※ IN-LINE VERSION

3, 4, 5, 6, 8 and 10 Circuit
Panel Mount, In-Line



NUMBER OF CIRCUITS	"A" DIM	AMP HOUSING PART NUMBERS	
		PLUG 94V-0 NYLON	CAP 94V-0 NYLON
1	-	350865-1	350866-1
2	-	350777-1※	350778-1※
3	.800	350766-1※	350767-1※
4	1.050	350779-1※	350780-1※
5	1.300	350809-1※	350810-1※
6	1.550	640581-1※	926307-3※
8	2.050	350715-1	350781-1
9	.800	640582-1※	926308-3※
10	.925	350720-1	350782-1
12	1.050	926302-3※	926309-3※
15	1.300	350735-1	830783-1
		350736-1	350784-1

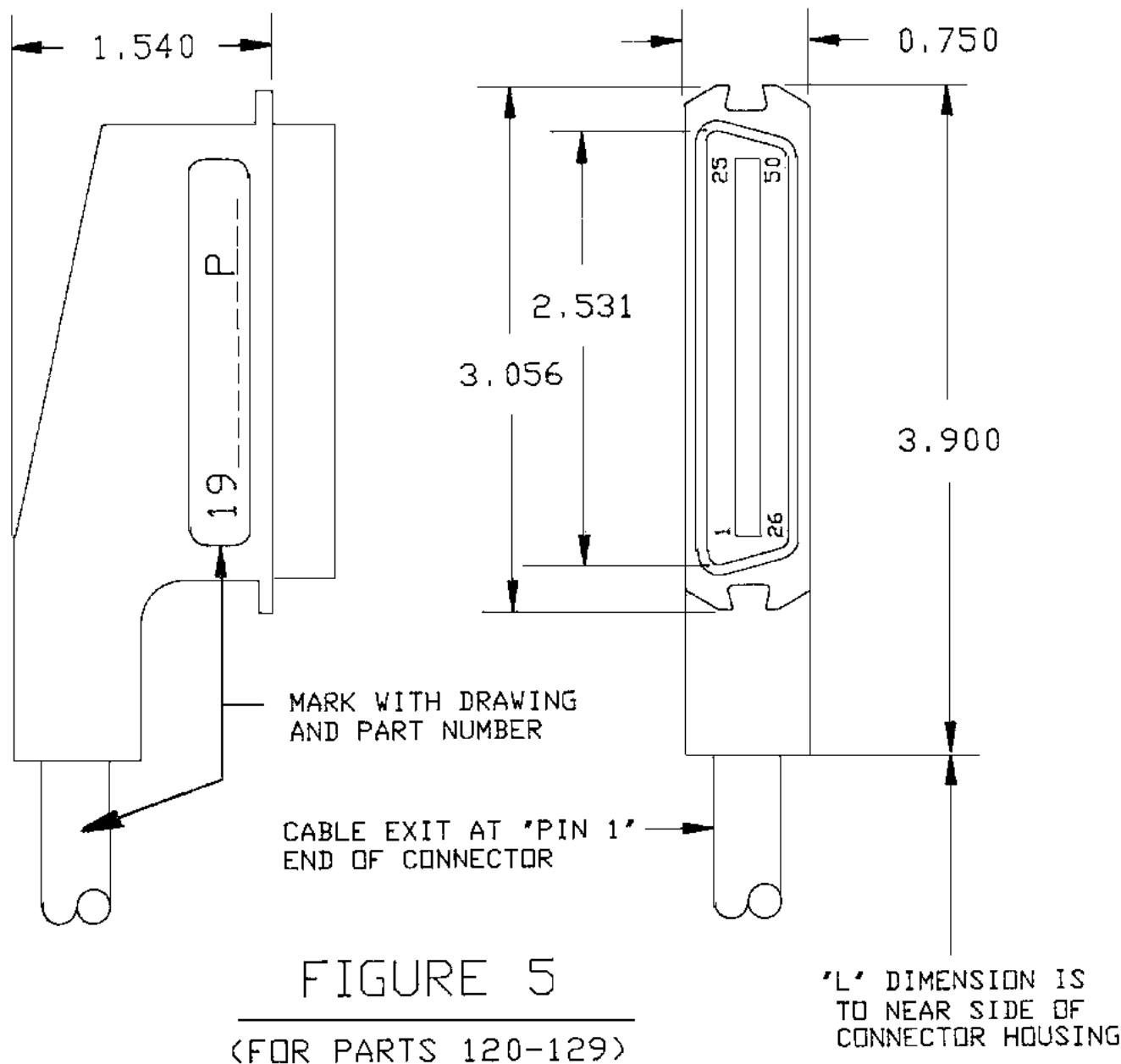


FIGURE 5
(FOR PARTS 120-129)

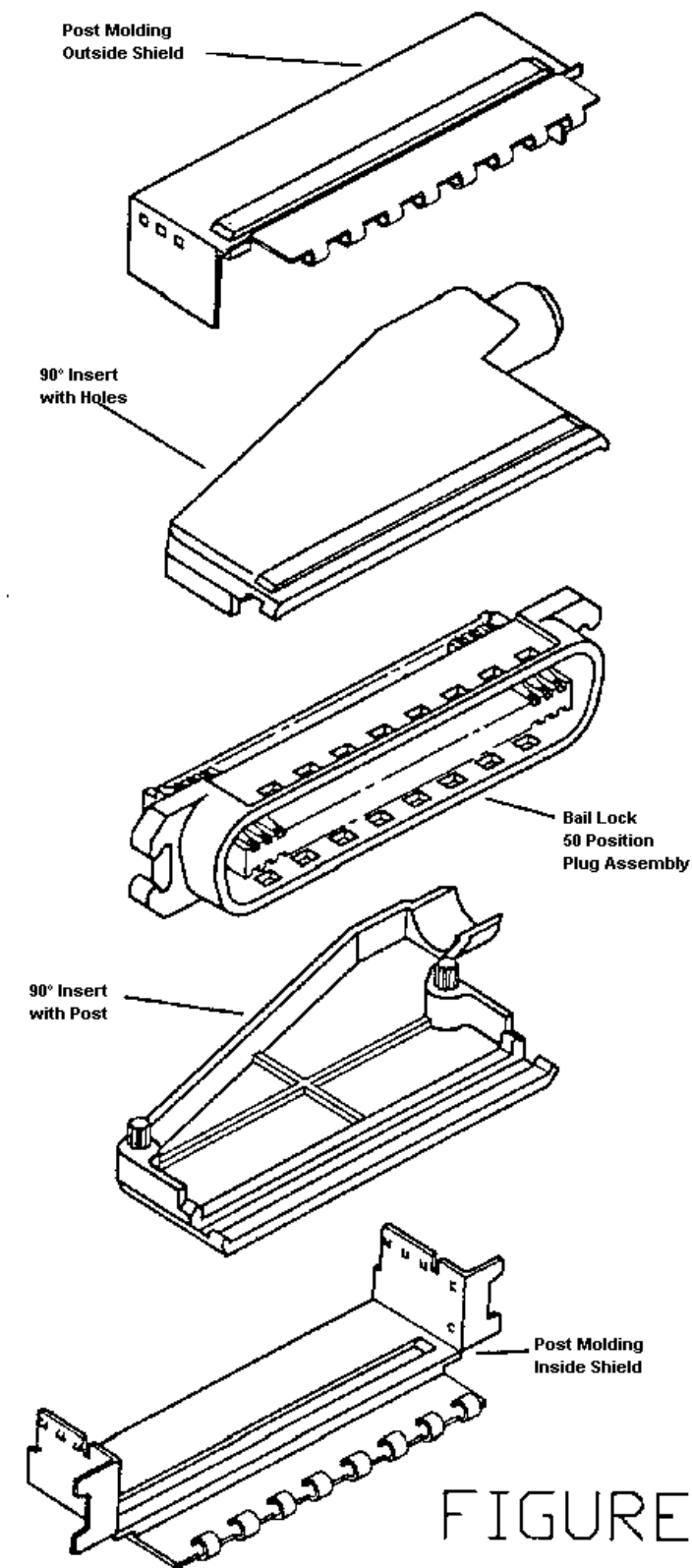
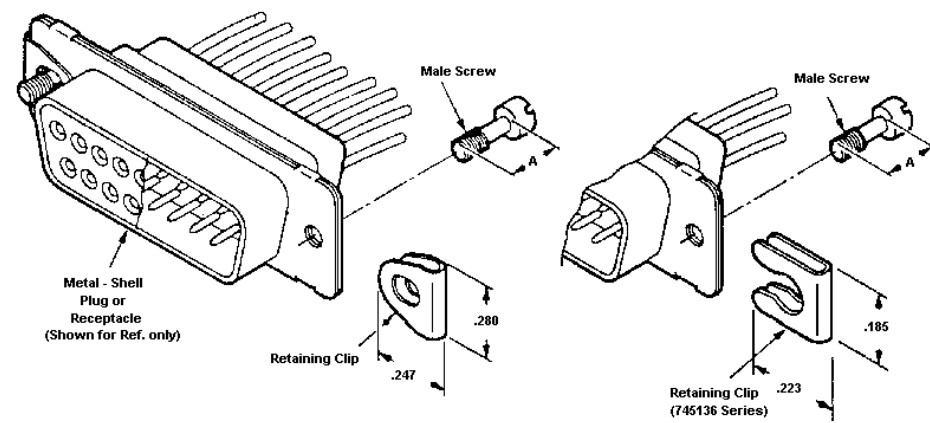
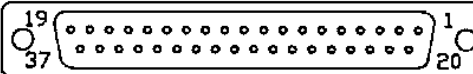
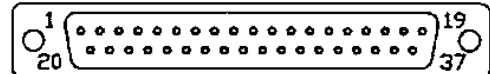
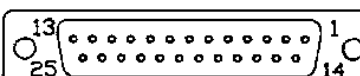
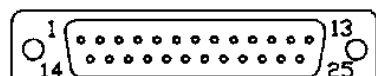
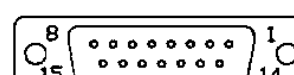
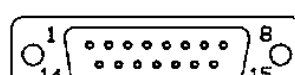
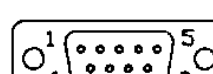
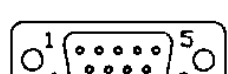


FIGURE 5-A
(FOR PARTS 120-129)

RETAINER SCREW FOR DB CONNECTORS
MATERIAL AND FINISH
4-40 SCREW-STEEL, ZINC PLATED CLEAR OR YELLOW CHROMATE
RETAINING CLIP-.012 STEEL, ZINC PLATED OR STAINLESS STEEL
AMP 205980-1 INDIVIDUAL PACKED OR
AMP 205980-3 BULK PACKED
"A" DIMENSION = .220

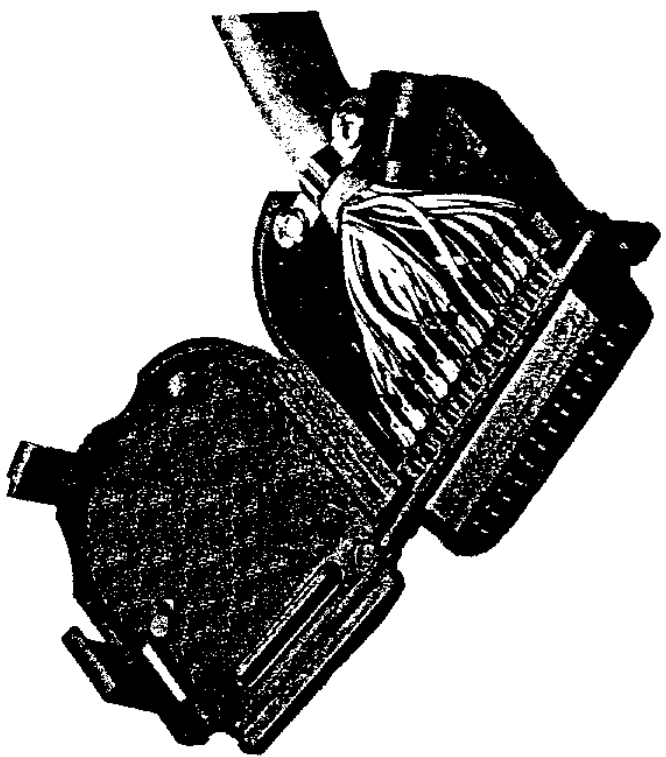
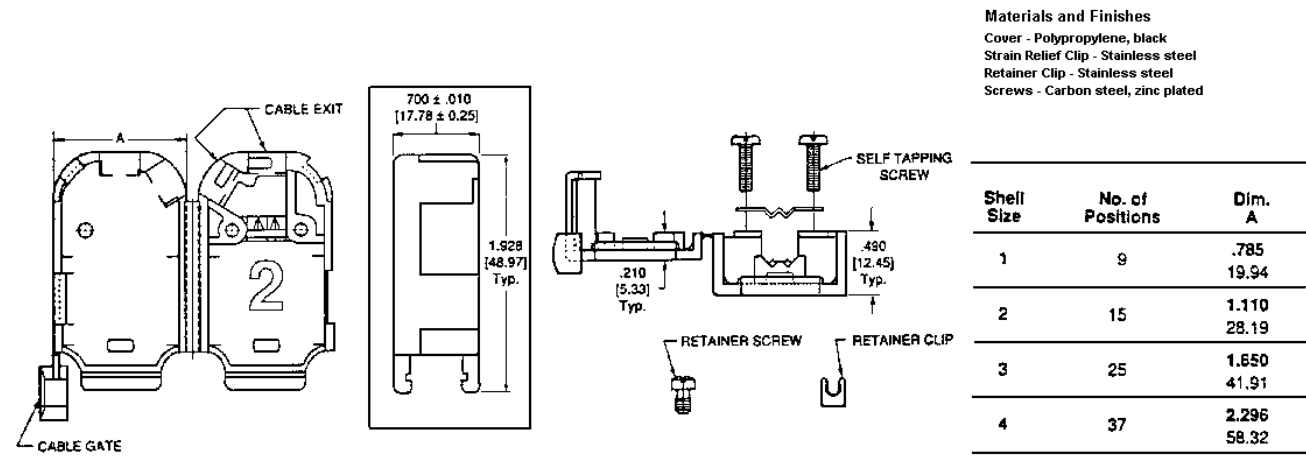


CONTACT ARRANGEMENT FOR DB CONNECTORS
(WIRING SIDE SHOWN FOR ALL CONNECTORS)

MALE CONNECTORS (PLUG)		FEMALE CONNECTORS (RECEPTACLE)	
	DB-37 (37 PIN)		
	DB-25 (25 PIN)		
	DB-15 (15 PIN)		
	DB-9 (9 PIN)		

(344A4278, Sh. 6, Rev. 5)
(344A4278, Sh. 7, Rev. 5)

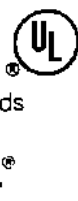
HOUSING FOR DB CONNECTORS *



* MOLDED CONNECTOR CAN BE USED IF IN PLACE OF THIS ASSEMBLY
(MECHANICAL DIMENSION WILL NOT EXCEED THOSE SHOWN ABOVE)

MODULAR PLUG

■ Listed by Underwriters Laboratories Inc., File No. E81956
■ Certified by Canadian Standards Association File No. LR82669



Specifications

Electrical:

UL Applications—150 volts ac max., at 1.5 amps
Dielectric Withstanding Voltage—1000 volts ac
Insulation Resistance—500 megohms

Mechanical:

Cable-to-Plug Tensile Strength—17 lbs [76 N] min.

Latch must be in position as shown after terminating

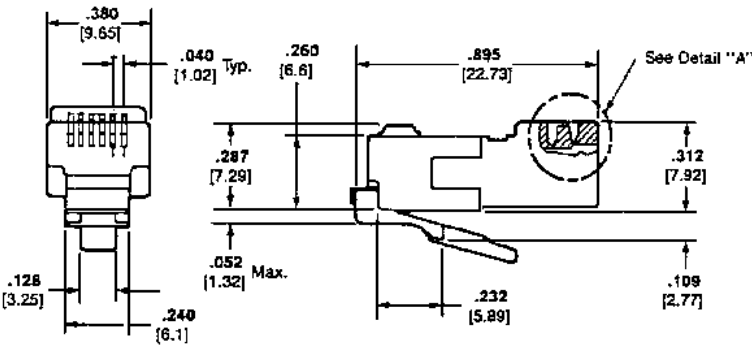


Detail "A"

Material and Finish:

Housing—Polycarbonate, UL 94V-0 rated
Contact—.014 [0.36] thk. phosphor bronze; plated .000050 [0.00127] gold in contact area and gold flash on remainder of contact, over .000100 [0.00254] nickel underplate

6-Position Plug Assemblies (Long Body)



Note: On any modular plug, Terminal No. 1 is the terminal to the extreme left as you face the cable opening, tab down.



Flat Oval Cable



Round Cable

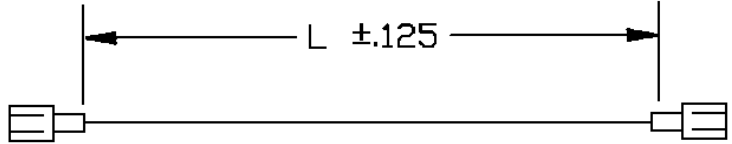
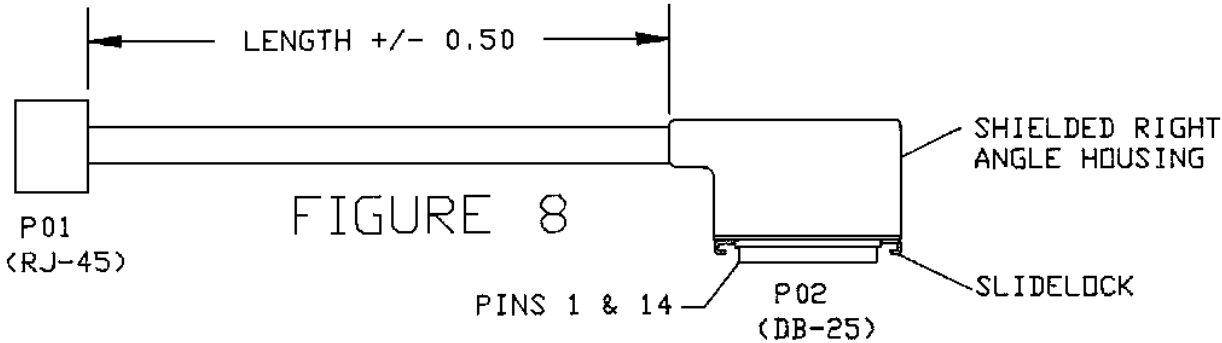
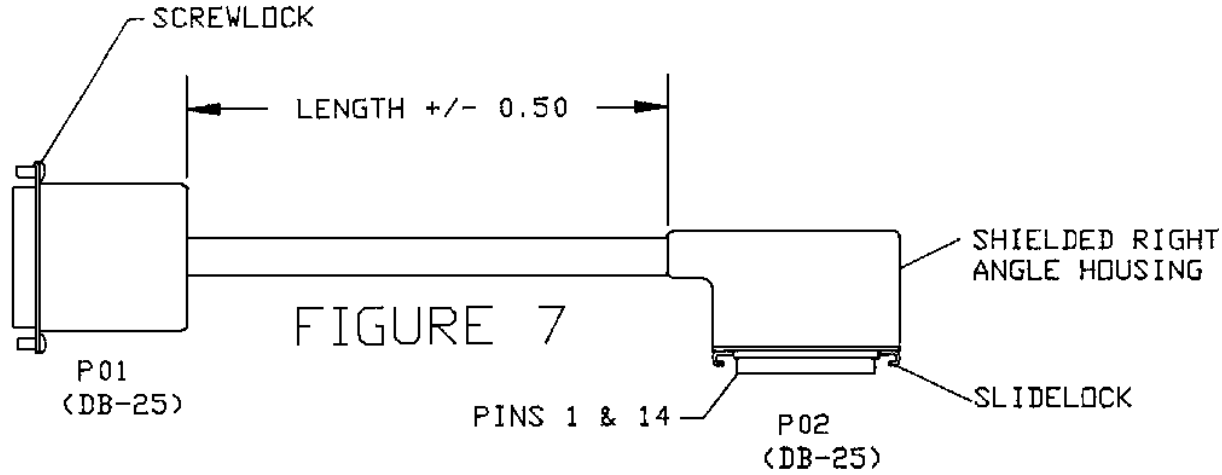
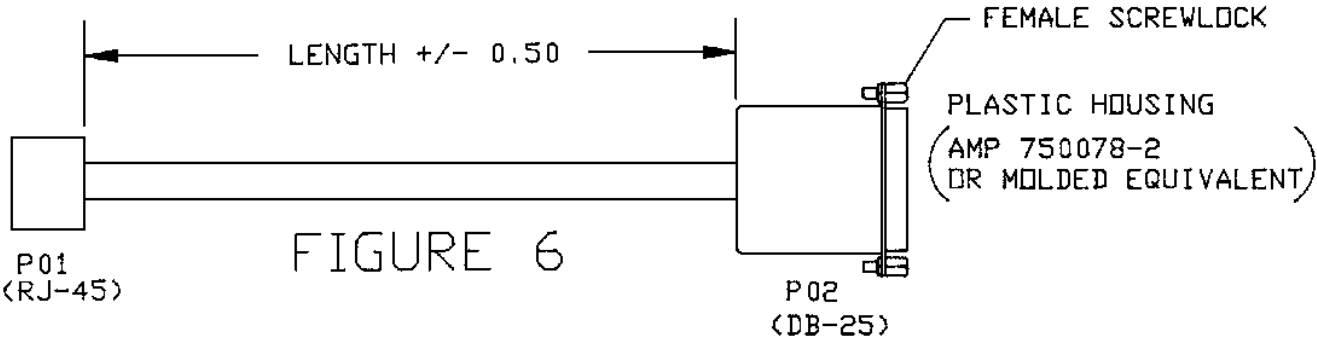


FIGURE 9
(FOR 344A4285P9)

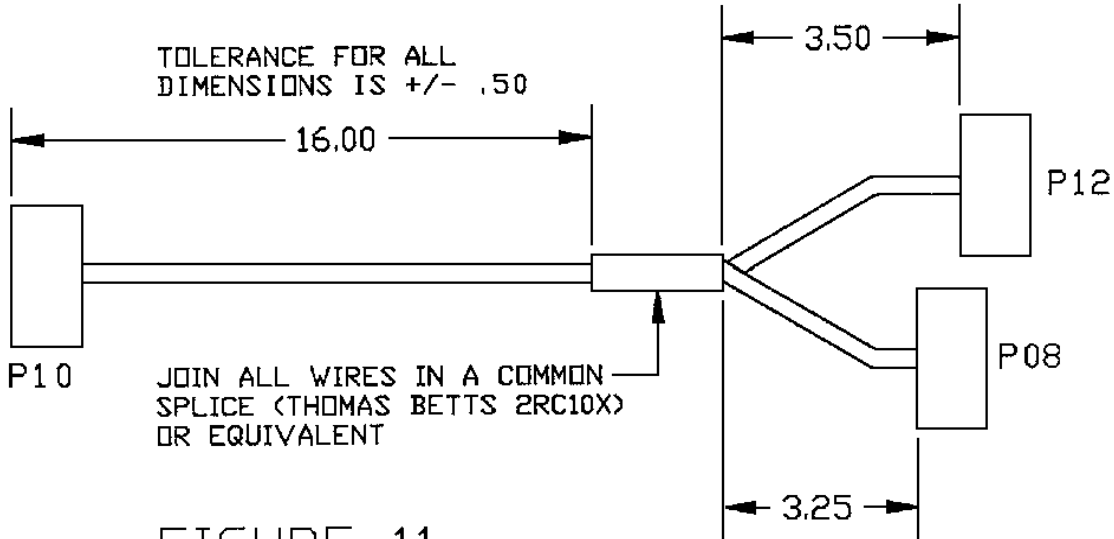


FIGURE 11
(FOR 344A4285P12)

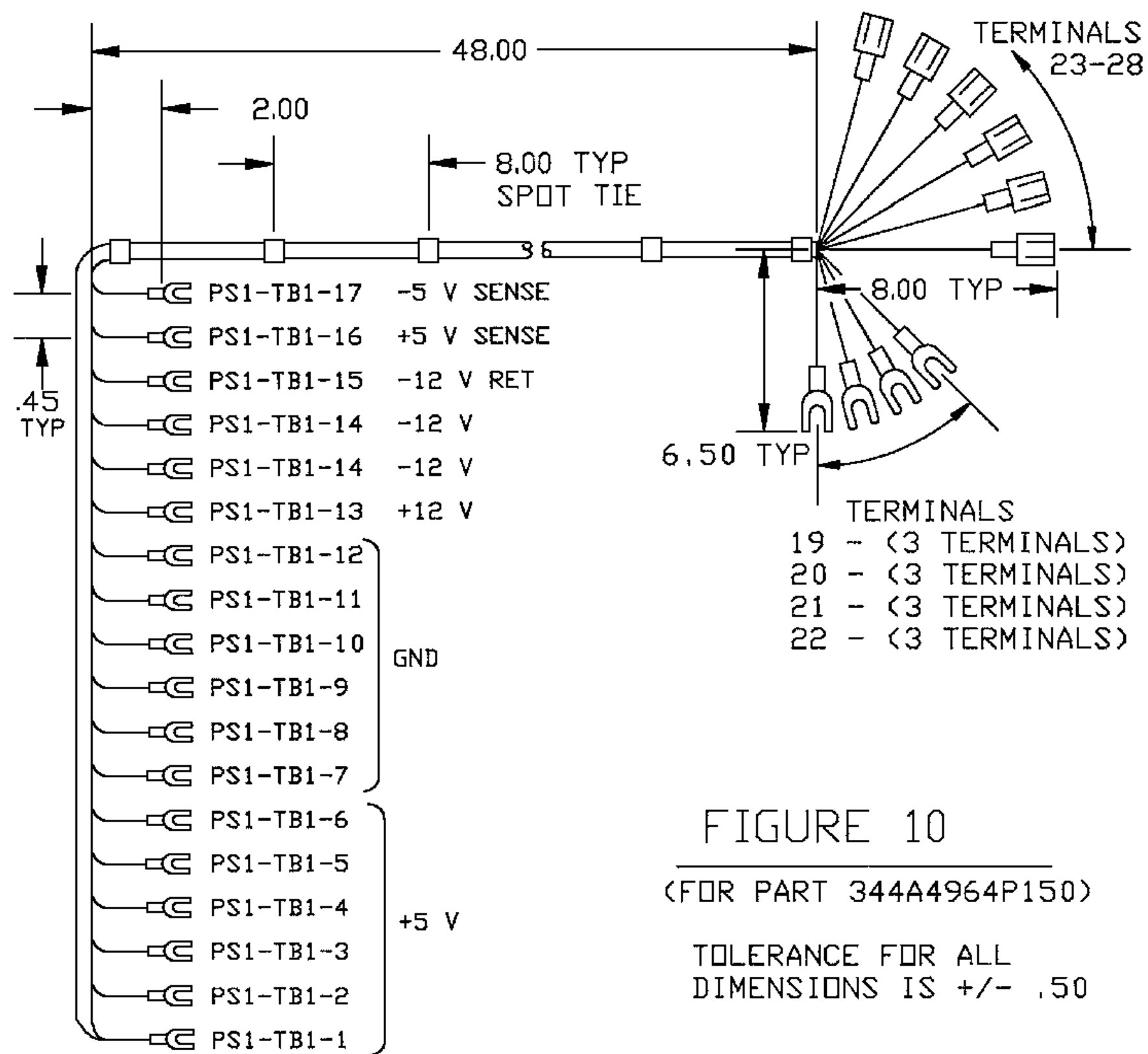


FIGURE 10
(FOR PART 344A4964P150)

TOLERANCE FOR ALL
DIMENSIONS IS +/- .50

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