

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APPROVAL
F		NO CHANGE THIS SHEET	7/3/97	NTC
G		ADDED ECN4457	11-4-99	LTL
H		ADDED ECN4635	1/21/00	JAB
I		ADDED ECN6720	1/31/03	RWR

AMP PLUG #745496-2 (ECK786)
 AMPHENDL BACKSHELL #17-1726-2 (ECK656)
 CONSOLIDATED #5736
 (20 COND. #22), ECX579

STRAIGHT PLUG MS3106A-20 (MCM454)
 INSERT MS20-29S (MCM464)
 CLAMP 97-3057-1012 (MCM457)
 BUSHING AN3055-22-12 (MCM493)
 CONSOLIDATED #5736
 (20 COND. #22), ECX579

PIN	WIRE	SIGNAL
13	GRN/WHT	BRK-
12	WHT	CW/+ LMT
11	BLU/WHT	HC
10	RED/WHT	HA
9	-	-
8	-	-
7	BLU/BLK	MKR
6	ORN/BLK	MKR-N
5	BLK/WHT	HB
4	-	-
3(1/2)	RED/GRN	ENC +5V
3(2/2)	RED/BLK	ENC +5V
2	-	-
1	SHIELD	SIG SHLD
14	WHT/RED	COS
15	ORN/RED	COS-N
16	RED	LMT +5V
17	BLU/RED	SIN
18	BLK/RED	SIN-N
19	-	-
20	GRN	LMT COM
21(1/2)	BLUE	ENC COM
21(2/2)	GRN/BLK	ENC COM
22	ORN	HM LMT
23	-	-
24	BLK	CCW/- LMT
25	WHT/BLK	BRK+

SIGNAL	WIRE	SOCKET
ENC COM	BLUE	G(1/2)
ENC COM	GRN/BLK	G(2/2)
ENC +5V	RED/GRN	H(1/2)
ENC +5V	RED/BLK	H(2/2)
SIG SHLD	SHIELD	J
MKR-N	ORN/BLK	F
BRK+	WHT/BLK	S
-	-	R
MKR	BLU/BLK	E
HA	RED/WHT	K
-	-	L
BRK-	GRN/WHT	T
HC	BLU/WHT	P
SIN-N	BLK/RED	D
HB	BLK/WHT	M
-	-	N
SIN	BLU/RED	C
COS-N	ORN/RED	B
COS	WHT/RED	A

SIGNAL	WIRE	SOCKET
LMT +5V	RED	1
LMT COM	GRN	2
CW/+ LMT	WHT	3
HM LMT	ORN	4
CCW/- LMT	BLK	5

(ECK579) UNUSED WIRES: (0)
 NONE

AMP SOCKET #745491-2 (ECK781)
 AMPHENDL BACKSHELL #17-1724-2 (ECK1021)

4

USE 2" LENGTHS OF THICK WALL HEATSHRINK TUBING (EIW00113 - QTY 1, EIW00112 - QTY 12) TO BUILD UP CABLE DIAMETER FOR PROPER STRAIN RELIEFING. STRAIN RELIEFING MUST WITHSTAND 35 LB. PULL.

CUT THICK WALL HEATSHRINK TUBING WITH CABLE CUTTER SUCH THAT ENDS ARE PERPENDICULAR TO CABLE AND CUT IS SMOOTH. THICK WALL HEATSHRINK TUBING
 AMP # 53701-1 (EIW00112) MAX INSIDE DIA = .750" (EXPANDED), MIN INSIDE DIA = .220" (RECOVERED)
 AMP # 53700-1 (EIW00113) MAX INSIDE DIA = .400" (EXPANDED), MIN INSIDE DIA = .150" (RECOVERED)

3

FOR CRIMP TOOL USE AMP HANDLE ASSY 58074-1 WITH AMP HEAD ASSY 58063-2

2

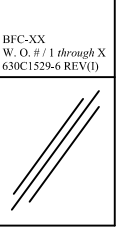
STARTING CABLE LENGTH = 2.5 FT BEYOND SPECIFIED CABLE LENGTH DO NOT EXCEED LENGTH OF 40 FT FOR THIS DESIGN.

1

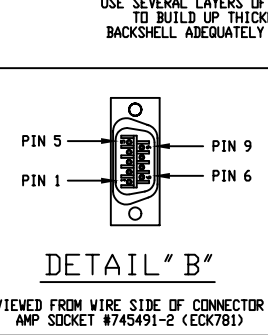
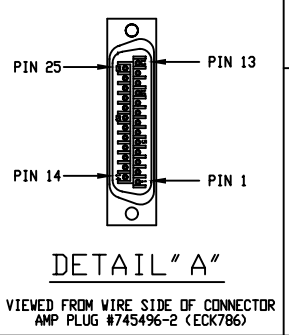
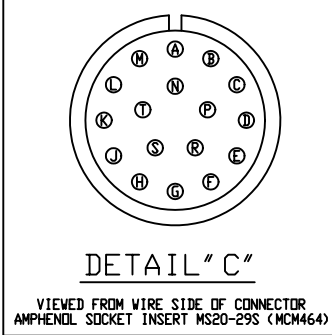
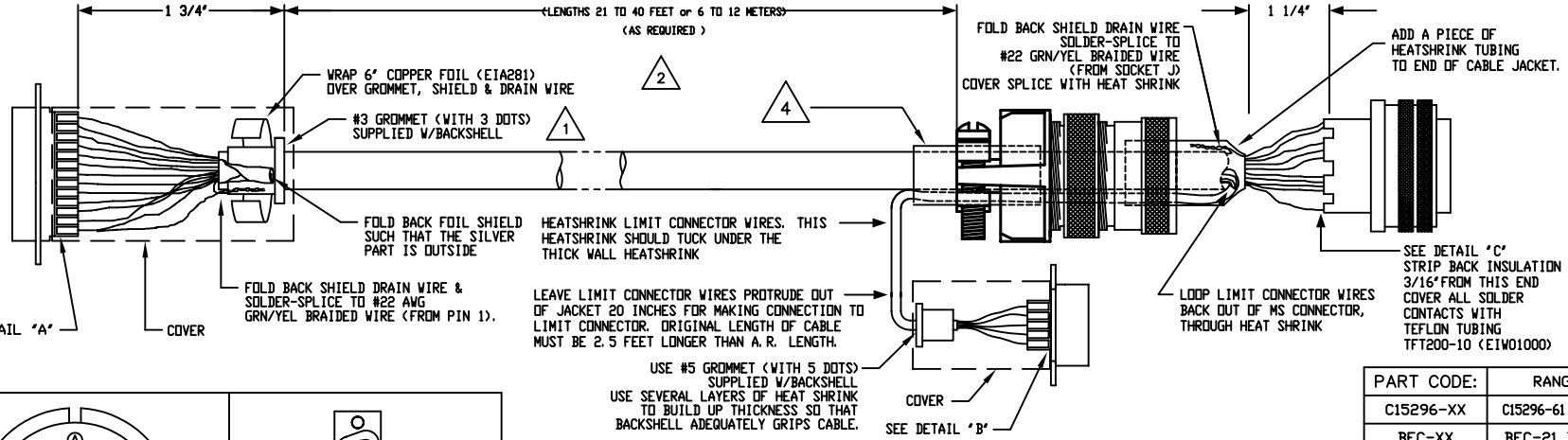
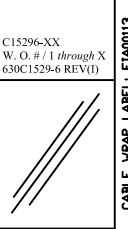
USE #3 GROMMET WITH 3 DOTS AS SHOWN WHICH IS SUPPLIED W/BACKSHELL



LABELS FOR BFC CABLES: (2) REQUIRED, (1 AT EACH END)



LABELS FOR C1529 CABLES: (2) REQUIRED, (1 AT EACH END)



PART CODE:	RANGE:	FINISHED LENGTH:
C15296-XX	C15296-61 TO 120	6 TO 12 METERS
BFC-XX	BFC-21 TO 40	21 TO 40 FEET

PROPRIETARY INFORMATION
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FRACTIONS	DECIMALS	ANGLES
0 TO 6 ± 1/32	.XX ± .01	± 0-30'
OVER 6 ± 1/16	.XXX ± .005	

RMS FINISH	EXCEPT AS NOTED
DRAWN	LTL 11/4/99
CHECKED	JAB 1/21/00
APPD.	JAB 1/21/00

AEROTECH
 AEROTECH, INC. 101 Zeta Drive
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BFC-21 TO BFC-40
 (OR) C15296-61 TO C15296-120
 BRUSHLESS FEEDBACK CABLE

PART CODE	SIZE	REV.
SEE ABOVE	c 630C1529-6	1

SCALE NTS FILE NAME 630C1529-611.DWG SHEET 1 OF 1