

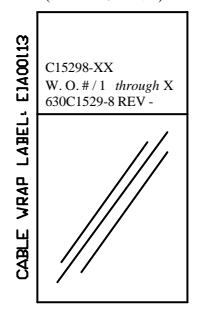
AMP PLUG #745496-2 (ECK786)  
 AMPHENOL BACKSHELL #17-1726-2 (ECK656)

STRAIGHT PLUG MS3106A-2D (MCM454)  
 INSERT MS2D-29S (MCM464)  
 CLAMP 97-3D57-1D12 (MCM457)  
 BUSHING AN3D55-22-12 (MCM493)

REVISIONS			
SYM.	DESCRIPTION	DATE	APPROVAL
A	ADDED ECN 10740	JFM	1/15/2008

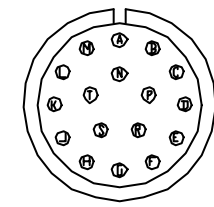
PIN	WIRE	SIGNAL
13	W/BLK/YEL	BRK-
12	WHT	CW/+ LMT
11	GRY	HALL C
10	BRN	HALL A
9	-	-
8	-	-
7	WHT/DRN	MKR
6	W/BLK/DRN	MKR-N
5	YEL	HALL B
4	-	-
3	VIO	ENC +5V
	BLU	
	WHT/BLK	
	WHT/GRN	
	WHT/BLU	
	WHT/VIO	
2	-	-
1	SHIELD	SIG SHLD
14	WHT/RED	CDS
15	W/BLK/RED	COS-N
16	RED	LMT +5V
17	WHT/BRN	SIN
18	W/BLK/BRN	SIN-N
19	-	-
20	GRN	LMT COM
21	W/BLK/GRN	ENC COM
	W/BLK/BLU	
	W/BLK/VIO	
	W/BLK/GRY	
	W/BRN/RED	
22	ORN	HM LMT
23	-	-
24	BLK	CCW/- LMT
25	WHT/YEL	BRK+

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



ALPHA #5199/30C  
 (30 COND. #22), ECK01201

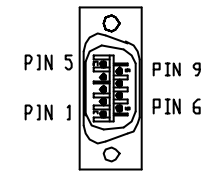
SIGNAL	WIRE	SOCKET
ENC COM	W/BLK/GRN	G
	W/BLK/BLU	
	W/BLK/VIO	
	W/BLK/GRY	
	W/BRN/RED	
ENC +5V	W/BRN/DRN	H
	W/BRN/YEL	
	VIO	
	BLU	
	WHT/BLK	
SHIELD	WHT/GRN	J
	WHT/BLU	
	WHT/VIO	
	WHT/GRY	
	LMT. SHIELD	
MRK-N	W/BLK/ORN	F
BRK+	WHT/YEL	S
-	-	R
MKR	WHT/ORN	E
HALL A	BRN	K
-	-	L
BRK-	W/BLK/YEL	T
HALL C	GRY	P
SIN-N	W/BLK/BRN	D
HALL B	YEL	M
-	-	N
SIN	WHT/BRN	C
COS-N	W/BLK/RED	B
COS	WHT/RED	A



WIRE SIDE VIEW  
 AMPHENOL SOCKET INSERT  
 MS20-29S (MCM464)

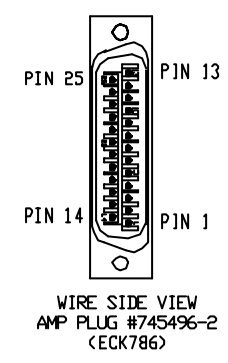
AMP SOCKET #745491-2 (ECK781)  
 AMPHENOL BACKSHELL #17-1724-2 (ECK01021)

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

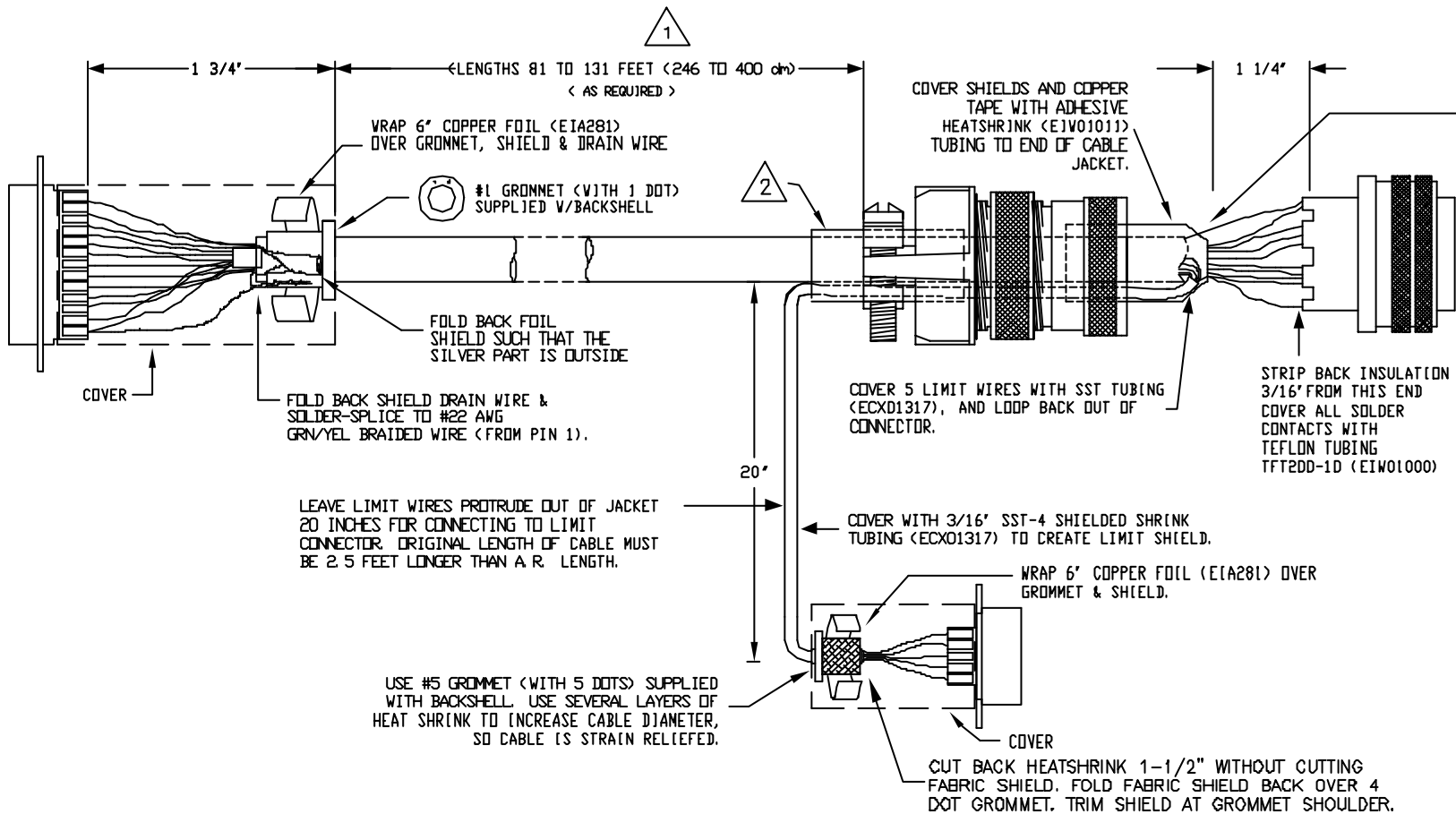


WIRE SIDE VIEW  
 AMP SOCKET #745491-2  
 (ECK781)

- 3 FOR CRIMP TOOL USE AMP HANDLE ASSY 58074-1 WITH AMP HEAD ASSY 38063-2
- 2 USE 2" LENGTHS OF THICK WALL HEATSHRINK TUBING (E1W00113 - BTY 1, E1W00112 - BTY 1) 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 (E1W00112) MAX INSIDE DIA = .750" (EXPANDED), MIN INSIDE DIA = .220" (RECOVERED) AMP # 53700-1 (E1W00113) MAX INSIDE DIA = .400" (EXPANDED), MIN INSIDE DIA = .150" (RECOVERED)
- 1 STARTING CABLE LENGTH = 2.3 FT BEYOND SPECIFIED CABLE LENGTH DO NOT EXCEED LENGTH OF 131 FT FOR THIS DESIGN



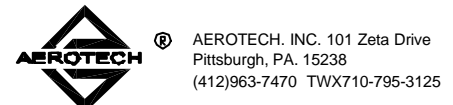
WIRE SIDE VIEW  
 AMP PLUG #745496-2  
 (ECK786)



- TERMINATING BOTH SHIELDS TO EACH OTHER AND TO PIN J:
1. FOLD BACK MAIN SHIELD.
  2. SOLDER MAIN SHIELD TO #22 GRN/YEL WIRE.
  3. WRAP SHIELD WITH 1 LAYER OF COPPER TAPE.
  4. CUT BACK SST TUBING & FOLD BACK INNER FABRIC SHIELD.
  5. WRAP FABRIC SHIELD WITH 1 LAYER OF COPPER TAPE.
  6. INSULATE WITH ADHESIVE SHRINK TUBING (E1W01011).

QTY: 1  
 WORK ORDER NUMBER: #####  
 CUSTOMER NAME: XXXXXXXX  
 ORDER NUMBER: #####  
 APPROVED BY: XXX RELEASE DATE: ####/####  
 FILENAME: ##### 630C1529-8A1 C15298 Cable.Dwg

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**C15298-246 TO C15298-400  
 (FORMERLY BFC-81 TO BFC-131)  
 BRUSHLESS FEEDBACK CABLE**

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

RMS FINISH	EXCEPT AS NOTED
<input checked="" type="checkbox"/>	<input type="checkbox"/>

DRAWN	AGS	1/29/04
CHECKED	LTL	1/29/04
APP'D	LTL	1/29/04

PART CODE	SIZE	REV.
<b>C15298</b>	<b>C</b>	<b>A</b>

SCALE	FILE NAME	SHEET
NTS	630C1529-8A1.Dwg	1 OF 1