

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

CONSOLIDATED #5736
(2D COND. #22), ECK579

STRAIGHT PLUG MS3106A-20 (MCM454)
INSERT MS20-29S (MCM464)
CLAMP 97-3057-1012 (MCM457)
BUSHING AN3055-22-12 (MCM493)

CONSOLIDATED #5736
(2D COND. #22), ECK579

REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	DRAWN
A		ADDED ECN1709	02-15-96	JAB
B		ADDED ECN2382	1/27/97	WG
C		ADDED ECN2448	2/18/97	WG
D		ADDED ECN2731	6/24/97	NTC
E		ADDED ECN3283	3/16/98	NTC
F		ADDED ECN4611	1/18/00	JAB

PIN	WIRE	SIGNAL
13	-	-
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)	WHT/BLK	ENC +5V
3(2/2)	RED/BLK	ENC +5V
2	RED/GRN	EXT S.D.
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(1/3)	BLUE	ENC COM
21(2/3)	GRN/BLK	ENC COM
21(3/3)	GRN/WHT	ENC COM
22	ORN	HM LMT
23	-	-
24	BLK	CCW/- LMT
25	-	-

UNUSED WIRES: (0)

SIGNAL	WIRE	SOCKET
ENC COM	BLUE	G(1/3)
ENC COM	GRN/BLK	G(2/3)
ENC COM	GRN/WHT	G(3/3)
ENC +5V	WHT/BLK	H(1/3)
ENC +5V	RED/BLK	H(2/3)
LMT +5V	RED	H(3/3)
MKR-N	ORN/BLK	F
SIG SHLD	SHIELD	J
CW/+ LMT	WHT	S
HM LMT	ORN	R
MKR	BLU/BLK	E
HA	RED/WHT	K
CCW/- LMT	BLK	T
HC	BLU/WHT	P
SIN-N	BLK/RED	D
EXT S.D.	RED/GRN	L
LMT COM	GRN	N
SIN	BLU/RED	C
HB	BLK/WHT	M
COS-N	ORN/RED	B
COS	WHT/RED	A

4

USE 2" LENGTHS OF THICK WALL HEATSHRINK TUBING (EIW00113 - QTY 2, EIW00112 - QTY 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 (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

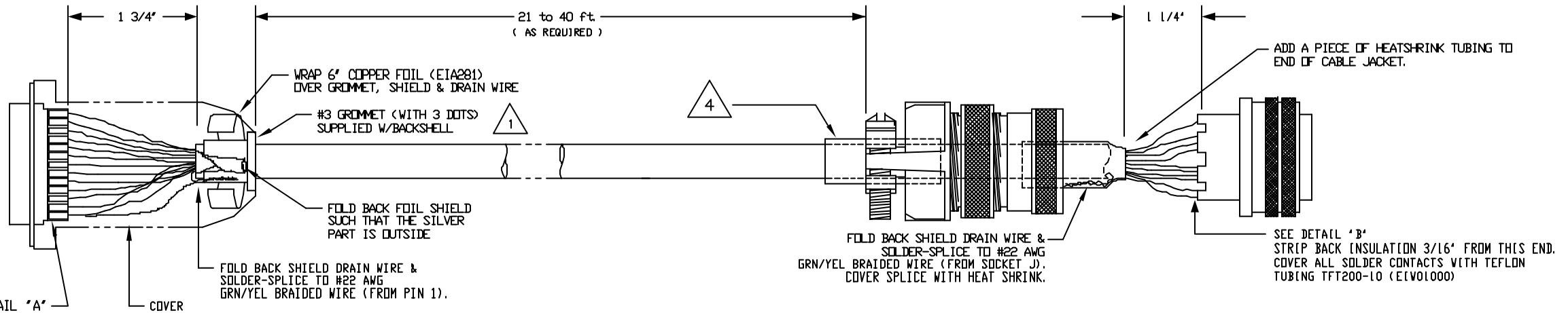
FOR CRIMP TOOL USE AMP HANDLE ASSY 58074-1 WITH AMP HEAD ASSY 58063-2

2

STARTING CABLE LENGTH = 6in. BEYOND SPECIFIED CABLE LENGTH

1

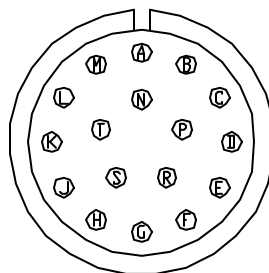
USE #3 GROMMET WITH 3 DOTS AS SHOWN BELOW WHICH IS SUPPLIED W/BACKSHELL



SEE DETAIL "A"

DETAIL "A"

VIEWED FROM WIRE SIDE OF CONNECTOR
AMP PLUG #745496-2 (ECK786)



DETAIL "B"

VIEWED FROM WIRE SIDE OF CONNECTOR
AMPHENOL SOCKET INSERT MS20-29S (MCM464)

PROPRIETARY INFORMATION
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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

DRAWN	EJB	3/6/95
CHECKED	JAB	01/00
APPD.	JAB	01/00

**BRUSHLESS LINEAR MOTOR
FEEDBACK CABLE (BFCL)
(LENGTHS 21 TO 40 FT.)**

PART CODE	SIZE	REV.
-	C	F
630C1591-2		
SCALE NTS	FILE NAME 630C1591-2F1.dwg	SHEET 1 OF 1