

REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	APPROVAL
A		ADDED ECN1709	02-15-96	
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

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

CONSOLIDATED #5736
 (20 COND. #22), ECX579 (STANDARD)

SIGNAL BUNDLE OF 682A1023 (ECX413)
 #24 AWG UNLESS OTHERWISE NOTED
 (OPTIONAL)

PIN	WIRE	WIRE	SIGNAL
13	-	-	-
12	WHT	WHT/BLU	CW/+ LMT
11	BLU/WHT	WHT/BLK/BRN	HC
10	RED/WHT	RED/GRN	HA
9	-	-	-
8	-	-	-
7	BLU/BLK	WHT/GRY	MKR
6	ORN/BLK	WHT/BRN	MKR-N
5	BLK/WHT	RED/YEL	HB
4	-	-	-
3	RED/BLK	#22 YEL	ENC +5V
2	RED/GRN	WHT/BLK/RED	EXT S.D.
1	SHIELD	SHIELD	SIG SHLD
14	WHT/RED	WHT/RED	COS
15	ORN/RED	WHT/ORN	COS-N
16	RED	#22 PINK	+5V
17	BLU/RED	WHT/YEL	SIN
18	BLK/RED	WHT/GRN	SIN-N
19	-	-	-
20	GRN	#22 BRN	LMT COM
21	GRN/BLK	#22 WHT/BLK	ENC COM
22	ORN	RED/BLK	HM LMT
23	-	-	-
24	BLK	WHT/VIO	CCW/- LMT
25	-	-	-

ECX413 UNUSED WIRES (3):
 TAN, VIO, GRY

ECX579 UNUSED WIRES (3):
 BLUE, GRN/WHT, WHT/BLK

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 (STANDARD)

SIGNAL BUNDLE OF 682A1023 (ECX413)
 #24 AWG UNLESS OTHERWISE NOTED
 (OPTIONAL)

SIGNAL	WIRE	WIRE	SOCKET
ENC COM	#22 WHT/BLK	GRN/BLK	G
ENC +5V	#22 YEL	RED/BLK	H(1/2)
+5V	#22 PINK	RED	H(2/2)
MKR-N	WHT/BRN	ORN/BLK	F
SIG SHLD	SHIELD	SHIELD	J
CW/+ LMT	WHT/BLU	WHT	S
HM LMT	RED/BLK	ORN	R
MKR	WHT/GRY	BLU/BLK	E
HA	RED/GRN	RED/WHT	K
CCW/- LMT	WHT/VIO	BLK	T
HC	WHT/BLK/BRN	BLU/WHT	P
SIN-N	WHT/GRN	BLK/RED	D
EXT S.D.	WHT/BLK/RED	RED/GRN	L
LMT COM	#22 BRN	GRN	N
SIN	WHT/YEL	BLU/RED	C
HB	RED/YEL	BLK/WHT	M
COS-N	WHT/ORN	ORN/RED	B
COS	WHT/RED	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.

3

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)

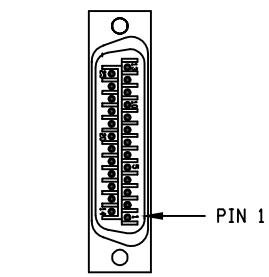
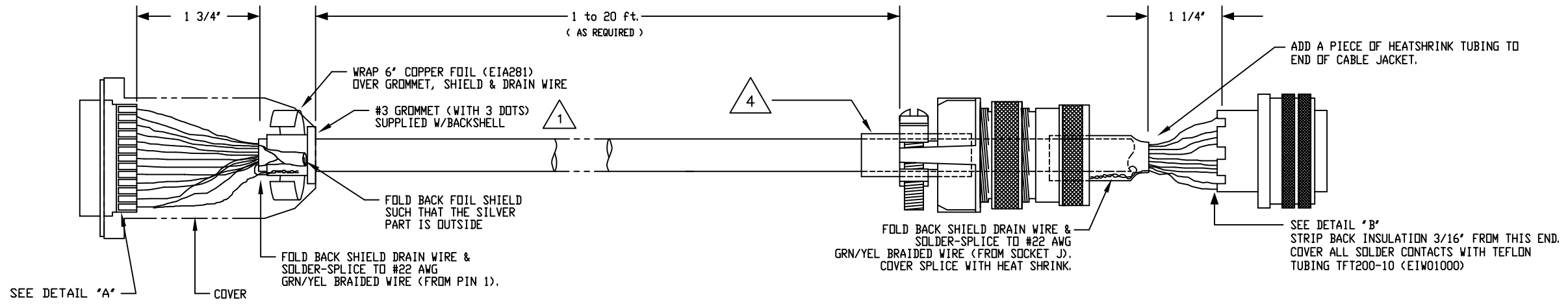
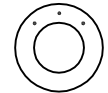
FOR CRIMP TOOL USE AMP HANDLE ASSY 58074-1 WITH AMP HEAD ASSY 58063-2

2

STARTING CABLE LENGTH = 6in. BEYOND SPECIFIED CABLE LENGTH

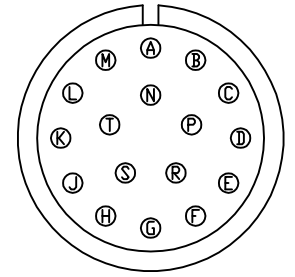
1

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



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)

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TOLERANCES UNLESS OTHERWISE SPECIFIED:
 FRACTIONS: 0 TO 6 ± 1/32, OVER 6 ± 1/16
 DECIMALS: .XX ± .01, .XXX ± .005
 ANGLES: ± 0-30'

RMS FINISH EXCEPT AS NOTED

DRAWN	EJB	3/6/95
CHECKED	JAB	1/10/95
APPD.	JAB	1/10/95

**BRUSHLESS LINEAR MOTOR
 FEEDBACK CABLE (BFCL)
 (LENGTHS 1 TO 20 FT.)**

PART CODE	SIZE	REV.
C15911	C	F
630C1591-1		