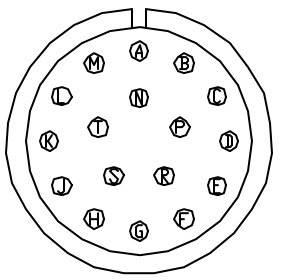


REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	APPROVAL

AMP PLUG #745496-2 (ECK786)
 AMPHENOL BACKSHELL #17-1726-2 (ECK656) 3

CONSOLIDATED (STANDARD)
 (26 COND.), ECX01182



DETAIL "B"

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

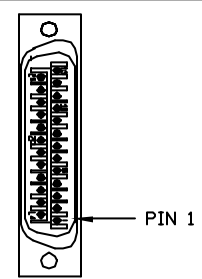
STRAIGHT PLUG MS3106A-2D (MCM454)
 INSERT MS20-29S (MCM464)
 CLAMP 97-3057-1012 (MCM457)
 BUSHING AN3055-22-12 (MCM493)

CONSOLIDATED (STANDARD)
 (26 COND.), ECX01182

PIN	WIRE	SIGNAL
13	BLU/BLK	BRAKE -
12		
11	GRY/RED	HC
10	GRY/BLK	HA
9		
8		
7	BRN	MKR
6	WHT/BRN	MKR-N
5	WHT/GRY	HB
4		
3(1/2)	#22 VIO	ENC +5V
3(2/2)	#22 WHT/VIO	ENC +5V
2		
1	OUTER SHIELD	OUTER SHIELD
14	RED	COS
15	WHT/RED	COS-N
16		
17	ORN	SIN
18	WHT/ORN	SIN-N
19		
20		
21(1/3)	#22 GRN	ENC COM
21(2/3)	#22 WHT/GRN	ENC COM
21(3/3)	INNER SHIELD	INNER SHIELD
22		
23		
24		
25	BLU	BRAKE+

SIGNAL	WIRE	SOCKET
ENC COM	#22 GRN	G(1/2)
ENC COM	#22 WHT/GRN	G(2/2)
ENC +5V	#22 VIO	H(1/2)
ENC +5V	#22 WHT/VIO	H(2/2)
MKR-N	WHT/BRN	F
OUTER SHIELD	OUTER SHIELD	J
BRAKE+	BLU	S
		R
MKR	BRN	E
HA	GRY/BLK	K
BRAKE-	BLU/BLK	T
HC	GRY/RED	P
SIN-N	WHT/ORN	D
		L
		N
SIN	ORN	C
HB	WHT/GRY	M
COS-N	WHT/RED	B
COS	RED	A
INNER SHIELD	INNER SHIELD	N.C.

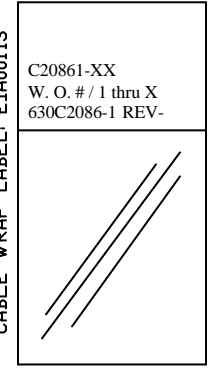
UNUSED WIRES (ECX01182): #22 RED/BLK, RED/ORN, YEL/BLK/ORN, PINK/YEL/BLK, GRY, WHT, BLK, GRN/BLK, WHT/YEL



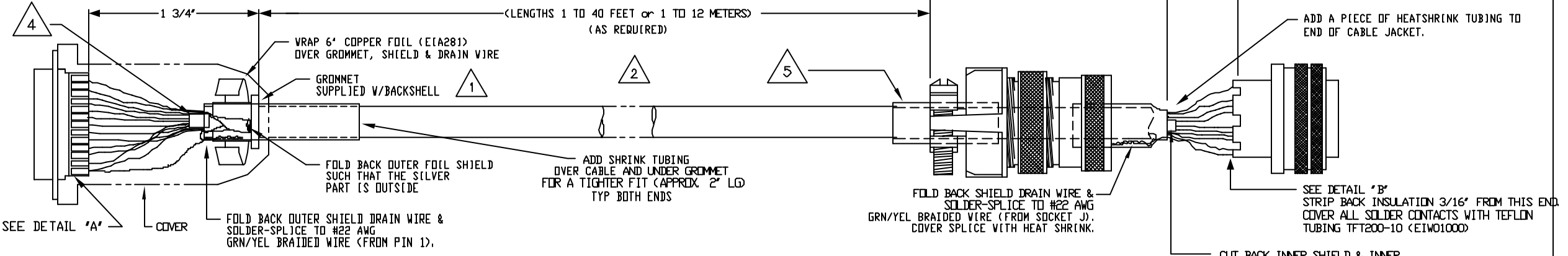
DETAIL "A"

AMP PLUG #745496-2 (ECK786)

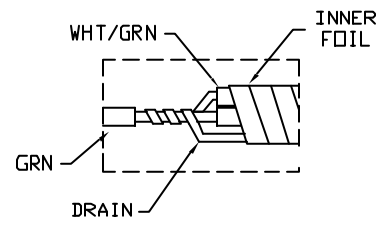
LABELS FOR
 C20861 CABLES:
 (2) REQUIRED,
 (1 AT EACH END)



CABLE WRAP LABEL: EIA00113



4 UNWRAP INNER FOIL SHIELD AS FAR BACK AS POSSIBLE. SEPARATE GREEN WIRE INSULATION. SOLDER-SPLICE WHT/GRN & INNER DRAIN WIRES TO GREEN WIRE. WRAP INNER FOIL SHIELD OVER SOLDER-SPLICE. COVER INNER BUNDLE, SPLICE & INNER SHIELD WITH SHRINK TUBING AS FAR IN CABLE AS POSSIBLE. CONNECT GREEN WIRE TO PIN 21. SEE DETAIL "C". NOTE: INNER SHIELD MUST NOT TOUCH OUTER SHIELD OR BACKSHELL.



DETAIL "C"

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

2 STARTING CABLE LENGTH = 6" LONGER THAN REQUIRED LENGTH

1 USE #2 GROMMET WITH 2 DOTS AS SHOWN BELOW WHICH IS SUPPLIED W/BACKSHELL



5 USE 2" LENGTHS OF THICK WALL HEATSHRINK TUBING (EIA00113 - QTY 2, EIA00112 - 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

PART CODE:	C20861-XX	C20861-10 TO 120	LENGTHS 1 TO 12 MTR
------------	-----------	------------------	---------------------

PROPRIETARY INFORMATION
 THIS DRAWING IS THE PROPERTY
 OF AEROTECH, INC. AND IS
 SUBMITTED IN CONFIDENCE AND
 SHALL NOT BE REPRODUCED NOR
 COPIED NOR DISCLOSED TO OTHERS
 UNDER PENALTY OF LAW.



AEROTECH, INC. 101 Zeta Drive
 Pittsburgh, PA. 15238
 (412) 963-7470 TWX710-795-3125

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	AGS	7-5-05
CHECKED	LTL	7-5-05
APP'D.	LTL	7-5-05

BRUSHLESS FDBACK CABLE (LESS LMTS)
 120 DECIMETERS (40') MAX LENGTH
 CABLE: BL FB-25DU-17MS-MAX120DM

PART CODE	SIZE	REV.
SEE ABOVE	C	630C2086-1
SCALE NTS	FILE NAME 630C2086-101.DWG	SHEET 1 OF 1