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TECHNOLOGY GROUP

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REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	DRAWN
A		CHANGES PER ECN5365	1/20/01	JLD
B		CHANGED CABLE SPLIT LENGTH PER ECN5386	1/30/01	JLD
C		ADDED ECN5453	3/8/01	JRF
D		ADDED ECN5517	4/5/01	JRF
E		ADDED ECN6181 (CABLE LENGTHS ARE 1 TO 35 FT.)	4/02	JAB
F		ADDED ECN6944	05/03	JRF

25 PIN PLUG

WIRE JUMPER PINS 2 & 20

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

UNUSED WIRES:
#24 WHT/RED
#24 WHT/VIO

SIGNAL	WIRE		PIN
MTR Ø C	#20 WHT	*	13
MTR Ø B	#20 RED	*	12
MTR Ø A	#20 BLU	*	11
FRAME & SHIELDS	#22 GRN		10
HALL C	#24 BLU		9
HALL A	#24 YEL		8
CCW/– LMT	#24 GRY		7
LMT COM	#22 WHT/GRN		6
ENC COM	#22 WHT/YEL		5
MKR–N	#24 BLK		4
SIN–N	#24 RED		3
COS–N	#24 VIO		2
NO CONNECTION	INSERT KEY		1
COS	#24 WHT/BLK		14
SIN	#24 GRN		15
MKR	#24 BRN		16
ENC +5V	#22 WHT/BRN		17
LMT +5V	#22 WHT/BLU		18
CW/+ LMT	#24 WHT		19
HM LMT	#24 PNK		20
HALL B	#24 ORN		21
FRAME & SHIELDS	#22 GRN		22
MTR Ø A	#20 YEL	*	23
MTR Ø B	#20 ORN	*	24
MTR Ø C	#20 BRN	*	25

WIRE JUMPER PINS 10 & 22

* INDICATES WIRES FROM INNER BUNDLE

25 PIN SOCKET

#22
#22

#20 GRN, MOTOR FRAME
#22 OUTER SHEILD
#20 INNER SHEILD

SPLICE (2) PIECES OF #22 GREEN
TO INNER, OUTER SHEILDS, & MOTOR FRAME
THEN TERMINATE TO IDC CONN.

14 PIN PLUG

PIN	WIRE	SIGNAL
14	–	–
13	–	–
12	–	–
11	–	–
10	–	–
9	–	–
8	INNER SHIELD	MTR SHLD
7	–	–
6	–	–
5(1/2)	#20 WHT	MTR Ø C
5(2/2)	#20 BRN	MTR Ø C
4(1/2)	#20 RED	MTR Ø B
4(2/2)	#20 ORN	MTR Ø B
3(1/2)	#20 BLU	MTR Ø A
3(2/2)	#20 YEL	MTR Ø A
2	–	–
1	#20 GRN	FRM GND
	–	–

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

4 FOR CRIMP TOOL USE DMC HANDLE ASSY M22520/2-01
WITH DMC HEAD ASSY K1S

3 IF THIS IS TO BE MADE BY EXTERNAL VENDER
SEND DRAWING 682A1031 WITH THIS DRAWING.

2 USE 2" LENGTHS OF THICK WALL HEATSHRINK TUBING
TO BUILD UP CABLE DIAMETER FOR
PROPER STRAIN RELIEFING.
STRAIN RELIEFING MUST WITHSTAND 35 LB. PULL.

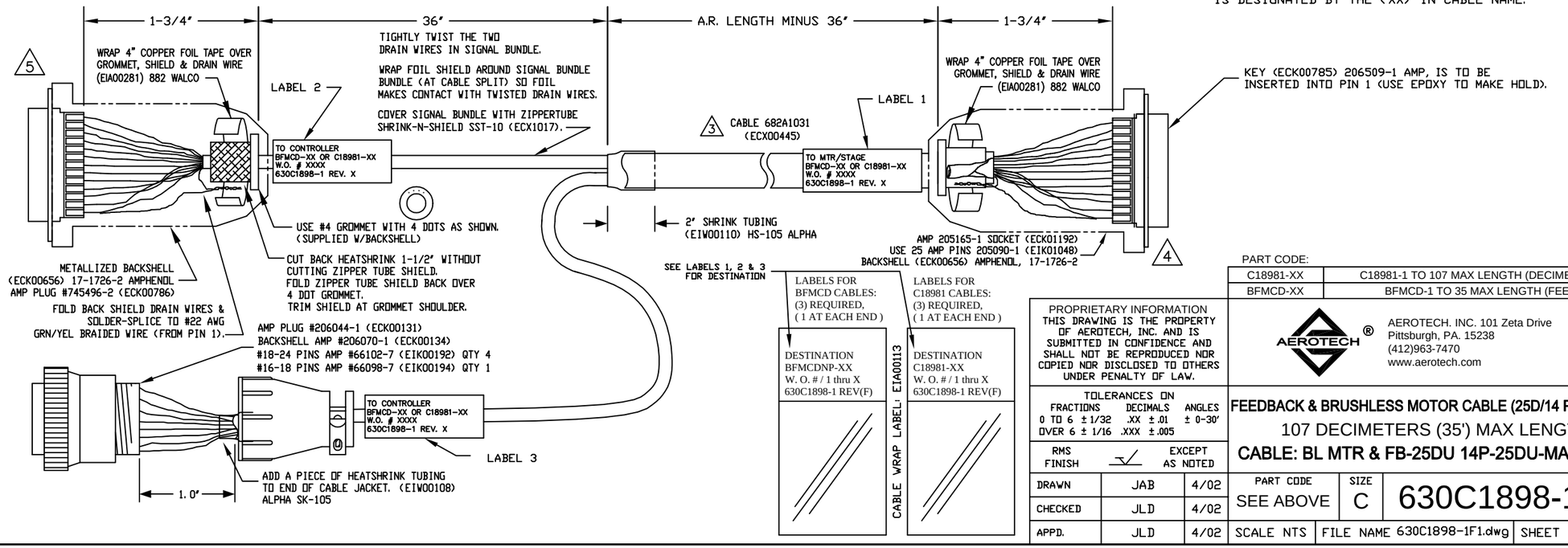
CUT THICK WALL HEATSHRINK TUBING WITH CABLE CUTTER SUCH
THAT ENDS ARE PERPENDICULAR TO CABLE AND CUT IS SMOOTH.

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)

1 STARTING CABLE LENGTH SHOULD BE 5 IN LONGER
THAN TOTAL LENGTH OF CABLE. LENGTH OF CABLE
IS DESIGNATED BY THE (XX) IN CABLE NAME.



PART CODE:

C18981-XX	C18981-1 TO 107 MAX LENGTH (DECIMETERS)
BFMCD-XX	BFMCD-1 TO 35 MAX LENGTH (FEET)

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

RMS FINISH ✓ EXCEPT AS NOTED

DRAWN	JAB	4/02
CHECKED	JLD	4/02
APPD.	JLD	4/02

FEEDBACK & BRUSHLESS MOTOR CABLE (25D/14 PIN TO 25D)
107 DECIMETERS (35') MAX LENGTH
CABLE: BL MTR & FB-25DU 14P-25DU-MAX107DM

PART CODE	SIZE		REV.
SEE ABOVE	C	630C1898-1	F

SCALE NTS | FILE NAME 630C1898-1F1.dwg | SHEET 1 OF 1

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