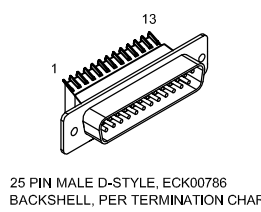


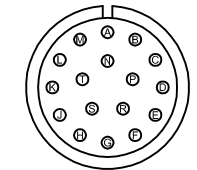
REVISIONS			
REV.	DESCRIPTION	DATE	DRAWN
A	ADDED ECN 8755	6-10-05	LTL
B	ADDED ECN 10806	01/08	JFM
C	ADDED ECN 14720	3/13	LTL
D	ADDED ECO 28	7/14/2017	JFM
E	ADDED ECO 2415	10/26/2018	JFM

CONTROL END

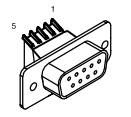


PIN	WIRE	SIGNAL
13	WHT/PINK	BRAKE-
12	PINK	CW/+ LIMIT
11	YEL/BRN	HALL C
10	GRY/BRN	HALL A
9	-	-
8	-	-
7	YEL	MKR
6	WHT/YEL	MKR-N
5	WHT/GRN	HALL B
4	-	-
3	VIO	ENCODER +5V
3	WHT/BLK	ENCODER +5V
3	WHT/BLU	ENCODER +5V
2	BRN/GRN	THERMISTOR
1	-	-
CASE	SHIELD	SIGNAL SHIELD
14	WHT	COS
15	WHT/GRY	COS-N
16	RED	LMT +5V
17	BLU	SIN
18	RED/BLU	SIN-N
19	-	-
20	BLK	LIMIT COMMON
21	GRN	ENCODER COMMON
21	BRN/BLU	ENCODER COMMON
21	BRN/RED	ENCODER COMMON
21	WHT/RED	ENCODER COMMON
21	GRY	ENCODER COMMON
22	BRN	HOME LIMIT
23	-	-
24	GRY/PINK	CCW/- LIMIT
25	PINK/BRN	BRAKE+

SIGNAL	WIRE	SOCKET
ENCODER COMMON	GRN	G
	BRN/BLU	
	BRN/RED	
ENCODER +5V	WHT/RED	H
	GRY	
	VIO	
MRK-N	WHT/BLK	J
BRAKE+	WHT/BLU	F
-	-	S
-	-	R
MKR	YEL	E
HALL A	GRY/BRN	K
THERMISTOR	BRN/GRN	L
BRAKE-	WHT/PINK	T
HALL C	YEL/BRN	P
SIN-N	RED/BLU	D
HALL B	WHT/GRN	M
-	-	N
SIN	BLU	C
COS-N	WHT/GRY	B
COS	WHT	A
SHIELD	SIGNAL SHIELD	CASE
SHIELD	LIMIT SHIELD	CASE



MOTOR END



LIMITS

SIGNAL	WIRE	SOCKET
LIMIT +5V	RED	1
LIMIT COMMON	BLK	2
CW/+ LIMIT	PINK	3
HOME LIMIT	BRN	4
CCW/- LIMIT	GRY/PINK	5
LIMIT SHIELD	SHIELD	CASE

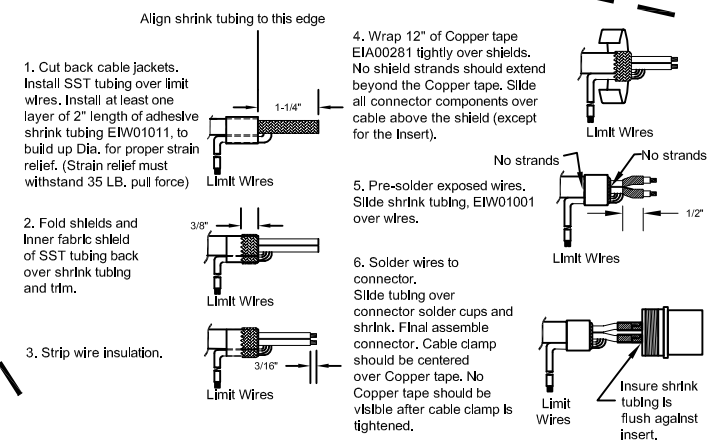
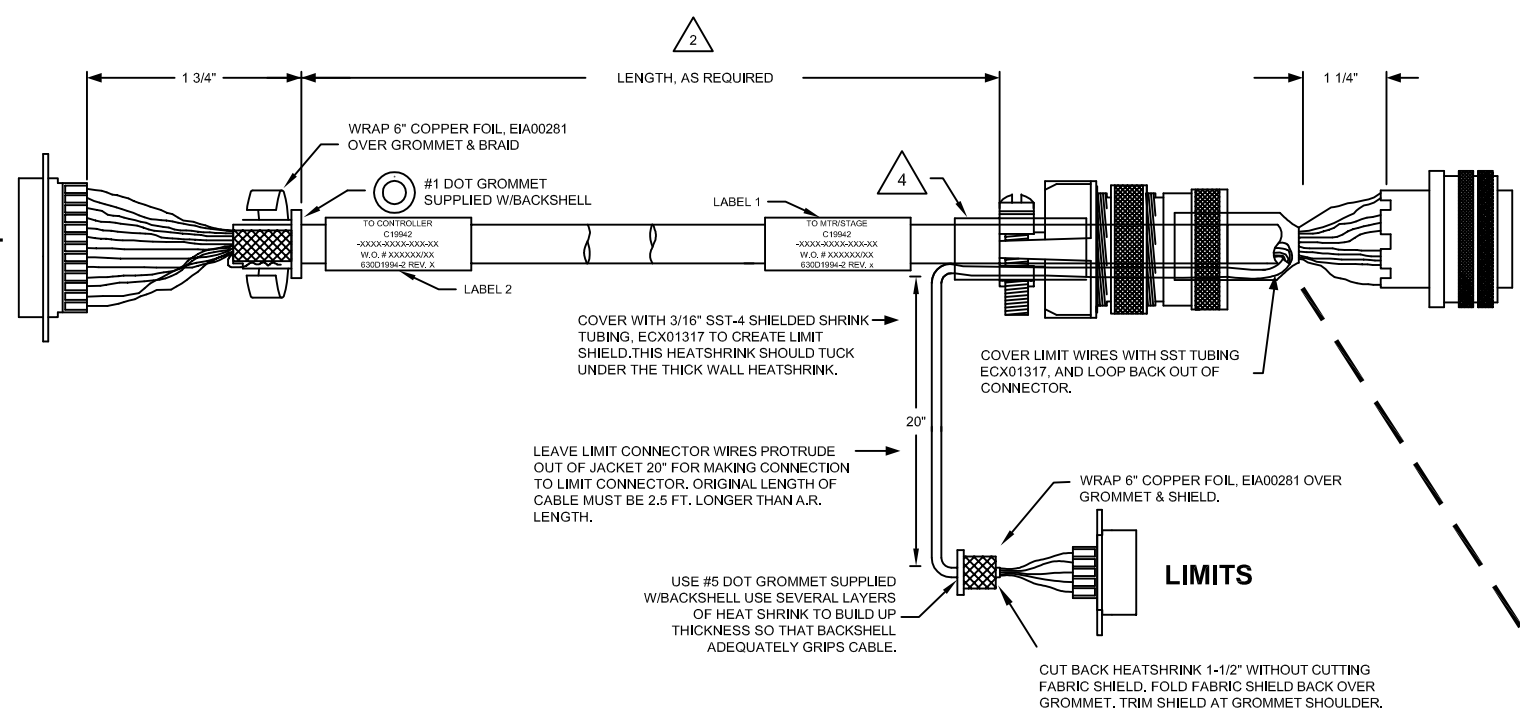
TERMINATION CHART

<p>25D STRAIGHT BACKSHELL, ECK00656</p>	<p>25DT STRAIGHT BACKSHELL, ECK00656 THUMBSCREWS, ECK01247</p>
<p>25D45L 45 DEGREE BACKSHELL, ECK01070 LEFT HANDED VIEW LOOKING INTO CONTACT SIDE OF CABLE CONNECTOR</p>	<p>25D45R 45 DEGREE BACKSHELL, ECK01070 RIGHT HANDED VIEW LOOKING INTO CONTACT SIDE OF CABLE CONNECTOR</p>
<p>25D90L 90 DEGREE BACKSHELL, ECK01370 LEFT HANDED VIEW LOOKING INTO CONTACT SIDE OF CABLE CONNECTOR</p>	<p>25D90R 90 DEGREE BACKSHELL, ECK01370 RIGHT HANDED VIEW LOOKING INTO CONTACT SIDE OF CABLE CONNECTOR</p>
<p>9D STRAIGHT BACKSHELL, ECK01021</p>	<p>9DT STRAIGHT BACKSHELL, ECK01021 THUMBSCREWS, ECK01247</p>

CONTROL END

MOTOR END

LIMITS

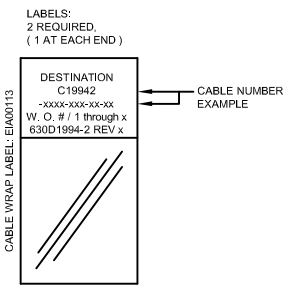
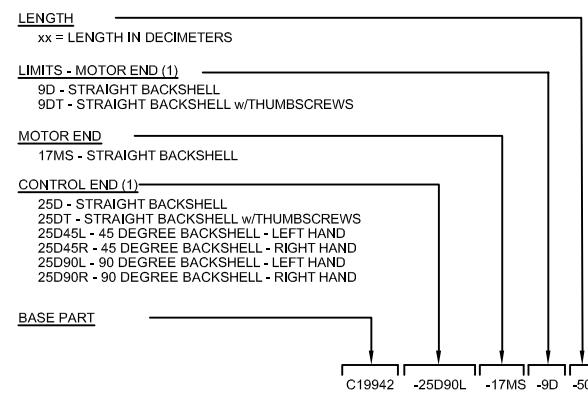


CONFIGURED CABLE PROCEDURE:

THE PURPOSE OF THIS DRAWING IS TO DEFINE VARIOUS BACKSHELL AND SCREWLOCK TYPES AS REQUIRED BY THE SHOP TRAVELLER.

1. LOCATE THE SHOP TRAVELLER FOR CABLE TO BE MANUFACTURED.
2. USING SHOP TRAVELLER AND TERMINATION CHART AT RIGHT:
 - a. DETERMINE "CONTROL END" TERMINATION.
3. USING THE ABOVE INFORMATION, MANUFACTURE CABLE WITH APPROPRIATE TERMINATIONS.
4. LABEL CABLE WITH NEW CONFIGURED PART NUMBER, FOLLOWING THE "CONFIGURED PART NUMBER DEFINITION" SHOWN AT THE RIGHT.

CONFIGURED PART NUMBER DEFINITION
NUMBER SHOWN FOR EXAMPLE ONLY



4 USE 2" LENGTHS OF THICK WALL HEATSHRINK TUBING (EIW00113 - QTY 1, 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:
EIW00112, MAX INSIDE DIA = .750" (EXPANDED), MIN INSIDE DIA = .220" (RECOVERED)
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 = 2.5 FT BEYOND SPECIFIED LENGTH OF CABLE

<p>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.</p>			
<p>TOLERANCES ON FRACTIONS DECIMALS ANGLES 0 TO 6 1/32 .XX ±0.1 ± 0-30' OVER 6 1/16 .XXX ±0.005</p>			
RMS FINISH	EXCEPT AS NOTED		
DRAWN	EJB	3/22/05	
CHECKED	JLD	3/22/05	
APPD.	JLD	3/22/05	

AEROTECH, INC. 101 Zeta Drive
Pittsburgh, PA. 15238
(412) 963-7470
www.aerotech.com

HIGH-FLEX BRUSHLESS FEEDBACK CABLE			
CON-CFG BL FB-25D-17MS 9D-HF113-MAX163DM			
PART CODE	SIZE	REV.	
C19942	D	630D1994-2	
SCALE	NTS	FILE NAME	SHEET
		630D1994-2.Dwg	1 OF 1