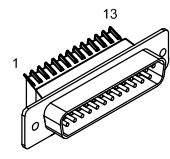


REVISIONS			
REV.	DESCRIPTION	DATE	DRAWN
A	ADDED ECN 9107	1/16/08	EJB
B	ADDED ECN 15007A	8/09/13	AMO
C	ADDED ECO 2294	9/18/2016	JFM
D	ADDED ECO 2415	0/26/2018	JFM

**CONTROL END**



ECK00786  
BACKSHELL: SEE TERMINATION CHART

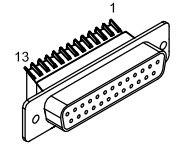
PIN	WIRE	SIGNAL
13	BLU/BLK	BRAKE -
12	WHT	CW/+ LMT
11	GRY/RED	HC
10	GRY/BLK	HA
9	YEL/BRN	SETUP (-5V)
8	WHT/YEL	ABS ENCODER DATA-
7	BRN	MKR
6	WHT/BRN	MKR-N
5	WHT/GRY	HB
4	GRN/BLK	STAGE ID
3	#22 VIO	ENC +5V
2	#22 WHT/VIO	THERM
1	#22 RED/BLK	TCOMP
14	RED	COS
15	WHT/RED	COS-N
16	#24 RED/ORN	LMT +5V
17	ORN	SIN
18	WHT/ORN	SIN-N
19	YEL	ABS ENCODER DATA+
20	#24 BLK/ORN	LMT COM
21	#22 GRN	ENC COM
21	#22 WHT/GRN	
21	INNER SHIELD	
22	PNK	HOME LMT
23	YEL/BLK	ENC FLT
24	GRY	CCW/- LMT
25	BLU	BRAKE+

ECX01182, 27 COND.  
All #26 AWG unless noted

UNUSED WIRES: NONE

SIGNAL	WIRE	SOCKET
TCOMP	#22 RED/BLK	1
THERM	BLK	2
ENC +5V	#22 VIO	3
STAGE ID	GRN/BLK	4
HB	WHT/GRY	5
MKR-N	WHT/BRN	6
MKR	BRN	7
ABS ENCODER DATA- SETUP (-5V)	WHT/YEL	8
HA	GRY/BLK	10
HC	GRY/RED	11
CW/+ LMT	WHT	12
BRAKE-	BLU/BLK	13
BRAKE+	BLU	25
CCW/- LMT	GRY	24
ENC FLT	YEL/BLK	23
HOME LMT	PNK	22
ENC COM	#22 GRN	21
LMT COM	#24 BLK/ORN	20
ABS ENCODER DATA+	YEL	19
SIN-N	WHT/ORN	18
SIN	ORN	17
LMT +5V	#24 RED/ORN	16
COS-N	WHT/RED	15
COS	RED	14
INNER SHIELD	INNER SHIELD	N.C.

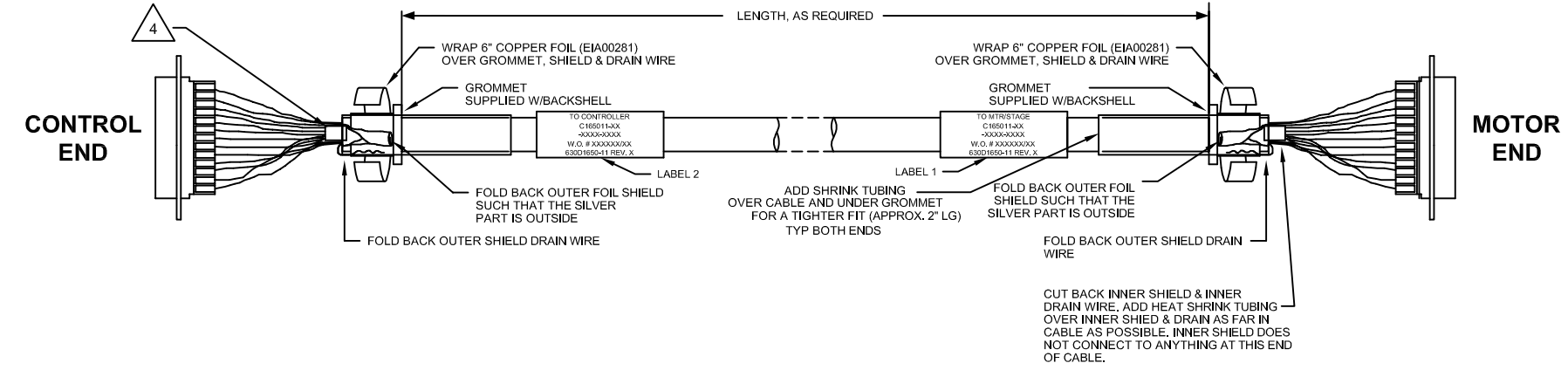
**MOTOR END**



ECK00789  
BACKSHELL: SEE TERMINATION CHART

**TERMINATION CHART**

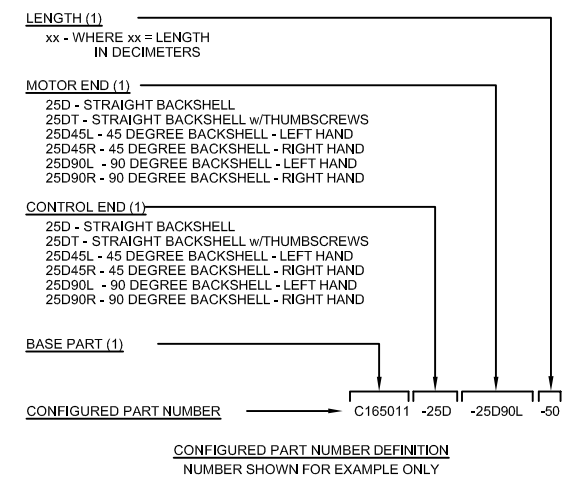
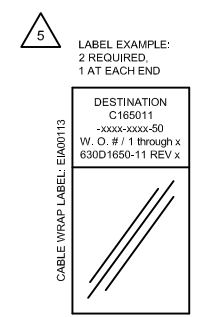
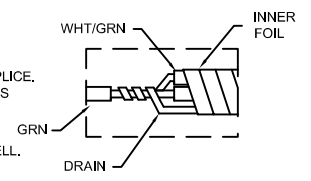
<p><b>25D</b> STRAIGHT BACKSHELL ECK00656</p>	<p><b>25DT</b> STRAIGHT BACKSHELL ECK00656 TWO THUMBSCREWS ECK01247</p>
<p><b>25D45L</b> 45 DEGREE BACKSHELL ECK01070 LEFT HANDED</p>	<p><b>25D45R</b> 45 DEGREE BACKSHELL ECK01070 RIGHT HANDED</p>
<p><b>25D90L</b> 90 DEGREE BACKSHELL ECK01370 LEFT HANDED</p>	<p><b>25D90R</b> 90 DEGREE BACKSHELL ECK01370 RIGHT HANDED</p>



**CONFIGURED CABLE PROCEDURE:**

- LOCATE THE SHOP TRAVELLER FOR CABLE TO BE MANUFACTURED.
- USING SHOP TRAVELLER AND TERMINATION CHART AT RIGHT:
  - DETERMINE "CONTROL END" TERMINATION.
  - DETERMINE "MOTOR END" TERMINATION.
- USING THE ABOVE INFORMATION, MANUFACTURE CABLE WITH APPROPRIATE TERMINATIONS.
- LABEL CABLE WITH NEW CONFIGURED PART NUMBER PER NOTE 5, FOLLOWING THE "CONFIGURED PART NUMBER DEFINITION" SHOWN AT FAR RIGHT.

- 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 FOIL WITH SHRINK TUBING AS FAR IN CABLE AS POSSIBLE. CONNECT GREEN WIRE TO PIN 21.  
NOTE: INNER SHIELD MUST NOT TOUCH OUTER SHIELD OR BACKSHELL.
- FOR CRIMP TOOL USE AMP HANDLE ASSY 58074-1 WITH AMP HEAD ASSY 58063-2
- STARTING CABLE LENGTH = 6 in. BEYOND SPECIFIED LENGTH OF CABLE DO NOT EXCEED LENGTH OF 50 FT FOR THIS DESIGN
- USE #4 DOT GROMMET WHICH IS SUPPLIED W/BACKSHELL



<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>AEROTECH, INC. 101 Zeta Drive Pittsburgh, PA, 15238 (412)963-7470 www.aerotech.com</p>	
<p>TOLERANCES ON FRACTIONS DECIMALS ANGLES 0 TO 6 ±1/32 .XX ±0.1 ° 0-30' OVER 6 ±1/16 .XXX ±0.05</p>			
<p>RMS FINISH</p>		<p>EXCEPT AS NOTED</p>	
<p>DRAWN EJB 11/4/04</p>	<p>CHECKED JLD 11/4/04</p>	<p>APPD. JLD 11/4/04</p>	<p>PART CODE <b>C165011</b></p>
<p>SCALE NTS</p>	<p>FILE NAME 630D1650-11.DWG</p>	<p>SIZE <b>D</b></p>	<p>REV. <b>D</b></p>
<p>SHEET 1 OF 1</p>		<p><b>C165011 - CONFIGURED BRUSHLESS FEEDBACK CABLE BL FB-25DXXX-25D-MAX150DM</b></p>	