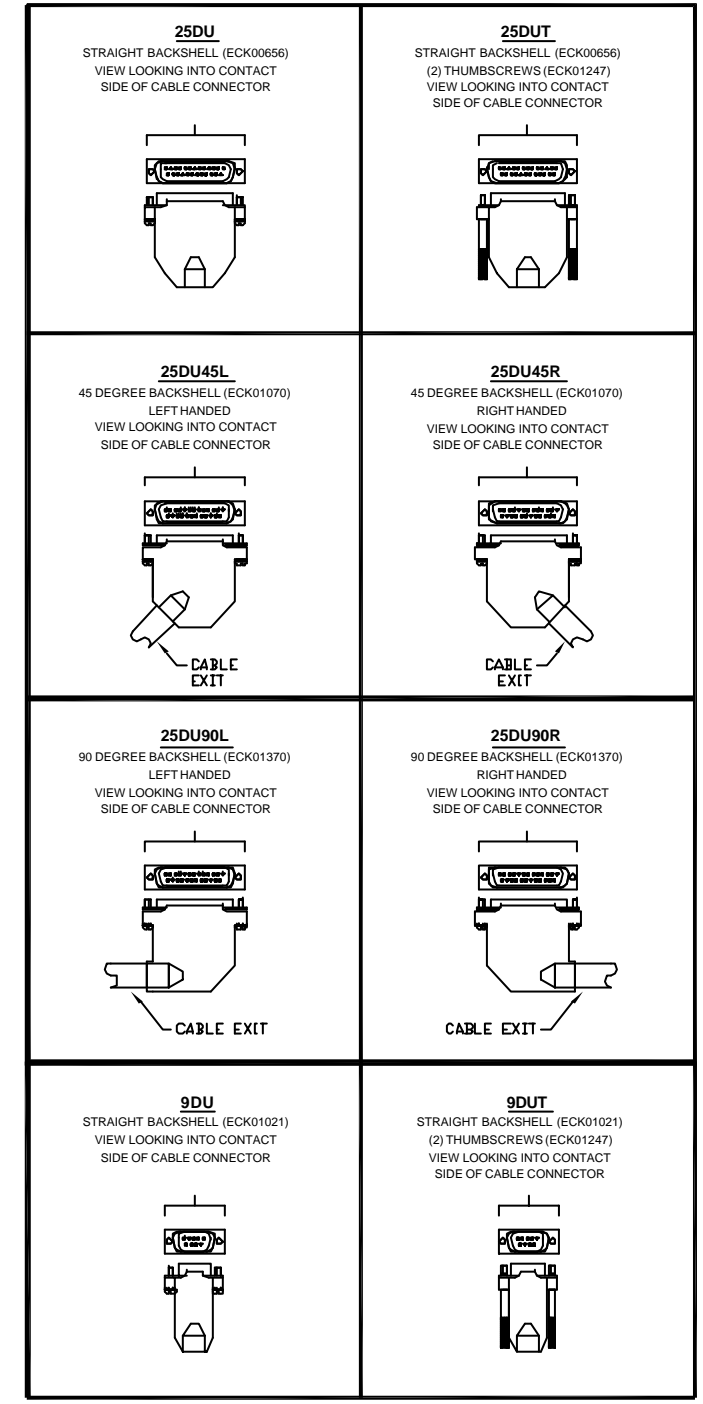


REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	BY
A		ADDED ECK9108	1/30/06	EJ
B		ADDED ECK10770	01/08	JFH

TERMINATION CHART



AMP PLUG, #745496-2 (ECK00786)
BACKSHELL: SEE TERMINATION CHART

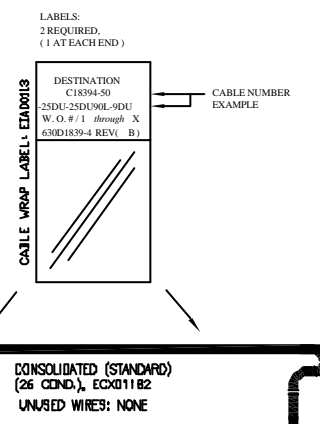
PIN	WIRE	SIGNAL
13	BLU/BLK	BRAKE -
12	WHT	CW/+ LMT
11	GRY/RED	HALL C
10	GRY/BLK	HALL A
9	#22 RED/BLK	SETUP (-5V)
8	WHT/YEL	TACH-
7	BRN	MKR
6	WHT/BRN	MKR-N
5	WHT/GRY	HALL B
4	GRN/BLK	COMMON
3	#22 WHT/VIO	ENCODER +3V
2	BLK	EXT SD
1	OUTER SHLD	OUTER SHIELD
14	RED	COS
15	WHT/RED	COS-N
16	#24 RED/ORN	LIMIT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

AMP SOCKET, #745495-2 (ECK00789)
BACKSHELL: SEE TERMINATION CHART

SIGNAL	WIRE	SOCKET
SHIELD	OUTER SHLD	1
EXT SD	BLK	2
ENCODER +5V	#22 WHT/VIO	3
COMMON	GRN/BLK	4
HALL B	WHT/GRY	5
MKR-N	WHT/BRN	6
MKR	BRN	7
TACH-	WHT/YEL	8
SETUP (-5V)	#22 RED/BLK	9
HALL A	GRY/BLK	10
HALL C	GRY/RED	11
-	-	12
BRAKE -	BLU/BLK	13
-	-	14
BRAKE +	BLU	25
-	-	24
ENCODER FAULT	YEL/BLK	23
-	-	22
ENCODER COMMON	#22 GRN	21
-	#22 WHT/GRN	21
-	-	20
TACH+	YEL	19
SIN-N	WHT/ORN	18
SIN	ORN	17
-	-	16
COS-N	WHT/RED	15
COS	RED	14
INNER SHIELD	INNER SHLD	N.C.

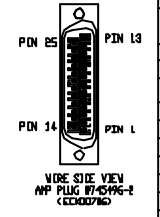
AMP SOCKET, #745491-2 (ECK00781)
BACKSHELL: SEE TERMINATION CHART

SIGNAL	WIRE	SOCKET
LMT +5V	#24 RED/ORN	1
LMT CON	#24 BLK/ORN	2
CW/+ LMT	WHT	3
HOME LMT	PINK	4
CCW/- LMT	GRY	5
LIMIT SHIELD	LMT SHIELD	CASE

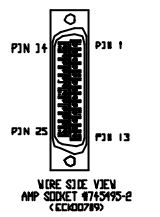


CONSOLIDATED (STANDARD) (26 COND.), ECK01182
UNUSED WIRES: NONE

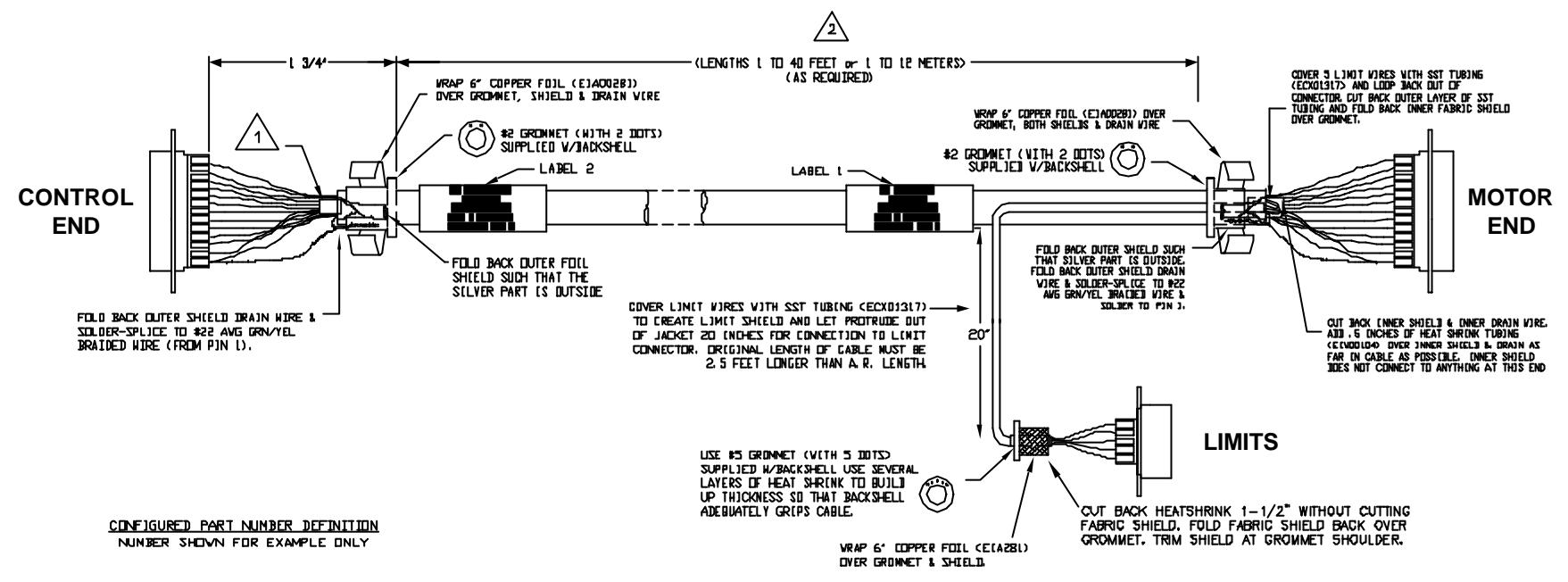
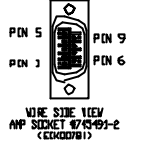
CONTROL END



MOTOR END



LIMITS



- LIMITS - MOTOR END (1)**
9DU - STRAIGHT BACKSHELL
9DUT - STRAIGHT BACKSHELL w/THUMBSCREWS
- MOTOR END (1)**
25DU - STRAIGHT BACKSHELL
25DUT - STRAIGHT BACKSHELL w/THUMBSCREWS
25DU45L - 45 DEGREE BACKSHELL - LEFT HAND
25DU45R - 45 DEGREE BACKSHELL - RIGHT HAND
25DU90L - 90 DEGREE BACKSHELL - LEFT HAND
25DU90R - 90 DEGREE BACKSHELL - RIGHT HAND
- CONTROL END (1)**
25DU - STRAIGHT BACKSHELL
25DUT - STRAIGHT BACKSHELL w/THUMBSCREWS
25DU45L - 45 DEGREE BACKSHELL - LEFT HAND
25DU45R - 45 DEGREE BACKSHELL - RIGHT HAND
25DU90L - 90 DEGREE BACKSHELL - LEFT HAND
25DU90R - 90 DEGREE BACKSHELL - RIGHT HAND
- LENGTH (1)**
xx - WHERE xx = LENGTH IN DECIMETERS
- BASE PART (1)**
C18394-50-25DU-25DU90L-9DU

- CONFIGURED CABLE PROCEDURE:**
- THE PURPOSE OF THIS DRAWING IS TO DEFINE VARIOUS BACKSHELL AND SCREWLOCK TYPES AS REQUIRED BY THE SHOP TRAVELLER.
- 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.
 - DETERMINE "LIMITS" TERMINATION.
 - USING THE ABOVE INFORMATION, MANUFACTURE CABLE WITH APPROPRIATE TERMINATIONS.
 - LABEL CABLE WITH NEW CONFIGURED PART NUMBER, FOLLOWING THE "CONFIGURED PART NUMBER DEFINITION" SHOWN TO THE LEFT.

- 1 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 SHIELD, SPLICE & INNER FOIL WITH SHRINK TUBING AS FAR IN CABLE AS POSSIBLE. CONNECT GREEN WIRE TO PIN 2).
- NOTE: INNER SHIELD MUST NOT TOUCH OUTER SHIELD OR BACKSHELL.
-
- 2 STARTING CABLE LENGTH = 2.5 FT BEYOND SPECIFIED LENGTH OF CABLE DO NOT EXCEED LENGTH OF 40 FT FOR THIS DESIGN
- 3 FOR CRIMP TOOL USE AMP HANDLE ASSY 58074-1 WITH AMP HEAD ASSY 58063-2

WORK ORDER #: XXXXXX
 CUSTOMER NAME: XXXXXXXXXXXXX
 ORDER NUMBER: XXXXXX
 APPROVED BY: XXX
 RELEASE DATE: XX/XX/XX CUST FILE NAME: XXXXXX 630D1839-4B1.dwg

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

CONFIGURED BRUSHLESS FEEDBACK CABLE
 CABLE: BL FB-25DU-25DU 9DU-MAXI20DM

REV.	DATE	BY	SCALE	FILE NAME	SHEET	OF
DRWN	EJ	11/4/04				
CHECKED	JLJ	11/4/04				
APPD	JLJ	11/4/04				