

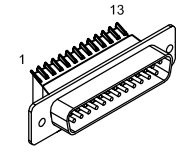
REVISIONS			
REV.	DESCRIPTION	DATE	DRAWN
A	ADDED ECN 9108	1/16/08	EJB
B	ADDED ECN 10770	01/08	JFM
C	ADDED ECN 15013A	8/09/13	AMO
D	ADDED ECO 69	8/24/2017	JFM
E	ADDED ECO 2415	0/26/2018	JFM

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	ABS ENCODER DATA-
7	BRN	MKR
6	WHT/BRN	MKR-N
5	WHT/GRY	HALL B
4	GRN/BLK	STAGE ID
3	#22 WHT/VIO	ENCODER +5V
2	BLK	EXT SD
1	-	-
CASE 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	ABS ENCODER DATA+
20	#24 BLK/ORN	LMT COMMON
21	#22 GRN	ENCODER COMMON
	#22 WHT/GRN	AND
INNER SHLD INNER SHIELD		
22	PNK	HOME LMT
23	YEL/BLK	ENCODER FAULT
24	GRY	CCW- LMT
25	BLU	BRAKE +

SIGNAL	WIRE	SOCKET
SHIELD	OUTER SHLD	CASE
-	LIMIT SHLD	-
-	-	1
EXT SD	BLK	2
ENCODER +5V	#22 VIO	3
	#22 WHT/VIO	
-	-	4
HALL B	WHT/GRY	5
MKR-N	WHT/BRN	6
MKR	BRN	7
ABS ENCODER DATA-	WHT/YEL	8
SETUP (-5V)	#22 RED/BLK	9
HALL A	GRY/BLK	10
HALL C	GRY/RED	11
-	-	12
BRAKE -	BLU/BLK	13
BRAKE +	BLU	25
-	-	24
ENCODER FAULT	YEL/BLK	23
-	-	22
ENCODER COMMON	#22 GRN	21
	#22 WHT/GRN	
-	-	20
ABS ENCODER DATA+	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.

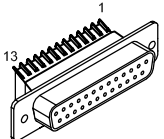
SIGNAL	WIRE	SOCKET
LMT +5V	#24 RED/ORN	1
LMT COM	#24 BLK/ORN	2
CW+ LMT	WHT	3
HOME LMT	PNK	4
CCW- LMT	GRY	5
LIMIT SHIELD	LMT SHIELD	CASE
COM	-	7
STAGE ID	GRN/BLK	8

CONTROL END



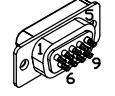
MALE 25 PIN D-STYLE, ECK00786
BACKSHELL: SEE TERMINATION CHART

MOTOR END



FEMALE 25 PIN D-STYLE, ECK00789
BACKSHELL: SEE TERMINATION CHART

LIMITS

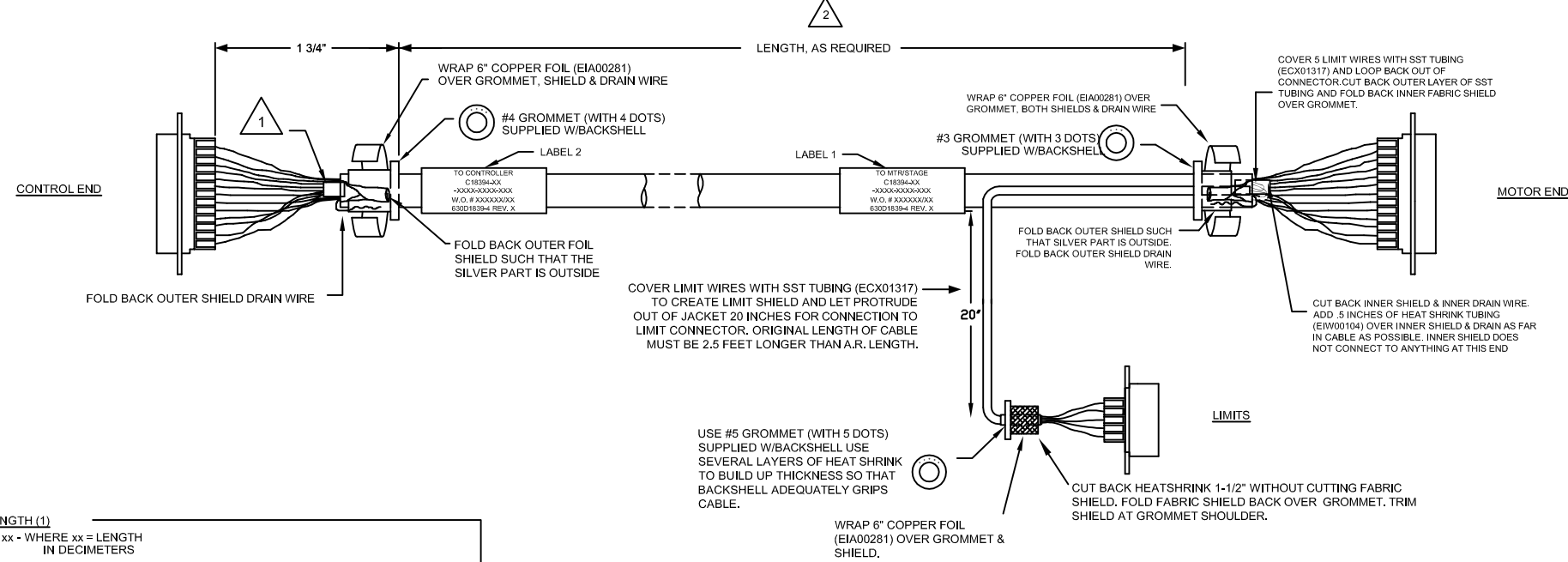


9 PIN FEMALE D, ECK00340
BACKSHELL: SEE TERMINATION CHART

JUMPER PIN (EK00351)

TERMINATION CHART

<p>25D STRAIGHT BACKSHELL, ECK00656</p>	<p>25DT STRAIGHT BACKSHELL, ECK00656 TWO 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 TWO THUMBSCREWS, ECK01247</p>



LENGTH (1)
xx - WHERE xx = LENGTH IN DECIMETERS

LIMITS (1)
9D - STRAIGHT BACKSHELL
9DT - STRAIGHT BACKSHELL w/THUMBSCREWS

MOTOR END (1)
25D - STRAIGHT BACKSHELL
25DT - STRAIGHT BACKSHELL w/THUMBSCREWS
25D45L - 45 DEGREE BACKSHELL - LEFT HAND
25D45R - 45 DEGREE BACKSHELL - RIGHT HAND
25D90L - 90 DEGREE BACKSHELL - LEFT HAND
25D90R - 90 DEGREE BACKSHELL - RIGHT HAND

CONTROL END (1)
25D - STRAIGHT BACKSHELL
25DT - STRAIGHT BACKSHELL w/THUMBSCREWS
25D45L - 45 DEGREE BACKSHELL - LEFT HAND
25D45R - 45 DEGREE BACKSHELL - RIGHT HAND
25D90L - 90 DEGREE BACKSHELL - LEFT HAND
25D90R - 90 DEGREE BACKSHELL - RIGHT HAND

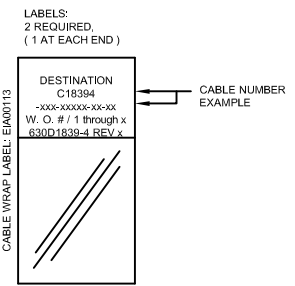
BASE PART (1)

CONFIGURED PART NUMBER → C18394 -25D -25D90L -9D -50

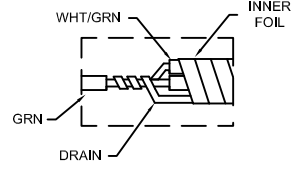
CONFIGURED PART NUMBER DEFINITION
NUMBER SHOWN FOR EXAMPLE ONLY

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 LEFT:
 - 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.



NOTE: INNER SHIELD MUST NOT TOUCH OUTER SHIELD OR BACKSHELL.



- STARTING CABLE LENGTH = 2.5 FT BEYOND SPECIFIED LENGTH OF CABLE DO NOT EXCEED LENGTH OF 50 FT FOR THIS DESIGN
- FOR CRIMP TOOL USE AMP HANDLE ASSY 58074-1 WITH AMP HEAD ASSY 58063-2

PROPRIETARY INFORMATION
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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

CONFIGURED BRUSHLESS FEEDBACK CABLE
CON-CFG BL FB-25DXXX-25D 9D-MAX116DM

DRAWN	EJB	11/4/04	PART CODE	SIZE	REV.
CHECKED	JLD	11/4/04	C18394	D	E
APPD.	JLD	11/4/04	SCALE	NTS	FILE NAME
					630D1839-4.DWG
					SHEET 1 OF 1