

REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	DRAWN
A		ADDED ECN9102	1/16/06	EJB

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

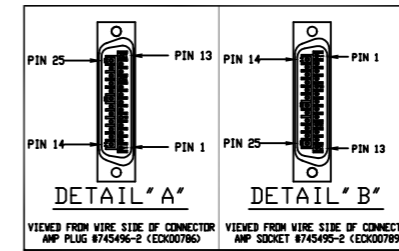
LUTZE #117107 (STANDARD)
(25 COND. #24), ECK01192

PIN	WIRE	SIGNAL
13	WHT/PINK	BRK-
12	PINK	CW/+ LMT
11	YEL/BRN	HC
10	GRY/BRN	HA
9	-	-
8	-	-
7	YEL	MKR
6	WHT/YEL	MKR-N
5	WHT/GRN	HB
4	-	-
3(1/4)	VIO	ENC +5V
3(2/4)	WHT/BLK	ENC +5V
3(3/4)	BRN/GRN	ENC +5V
3(4/4)	WHT/BLU	ENC +5V
2	GRY	EXT SD
1	SHIELD	SIG SHLD
14	WHT	COS
15	WHT/GRY	COS-N
16	RED	LMT +5V
17	BLUE	SIN
18	RED/BLUE	SIN-N
19	-	-
20	BLK	LMT COM
21(1/5)	GRN	ENC COM
21(2/5)	BRN/BLU	ENC COM
21(3/5)	BRN/RED	ENC COM
21(4/5)	WHT/RED	ENC COM
22	BRN	HM LMT
23	-	-
24	GRY/PINK	CCW/- LMT
25	PINK/BRN	BRK+

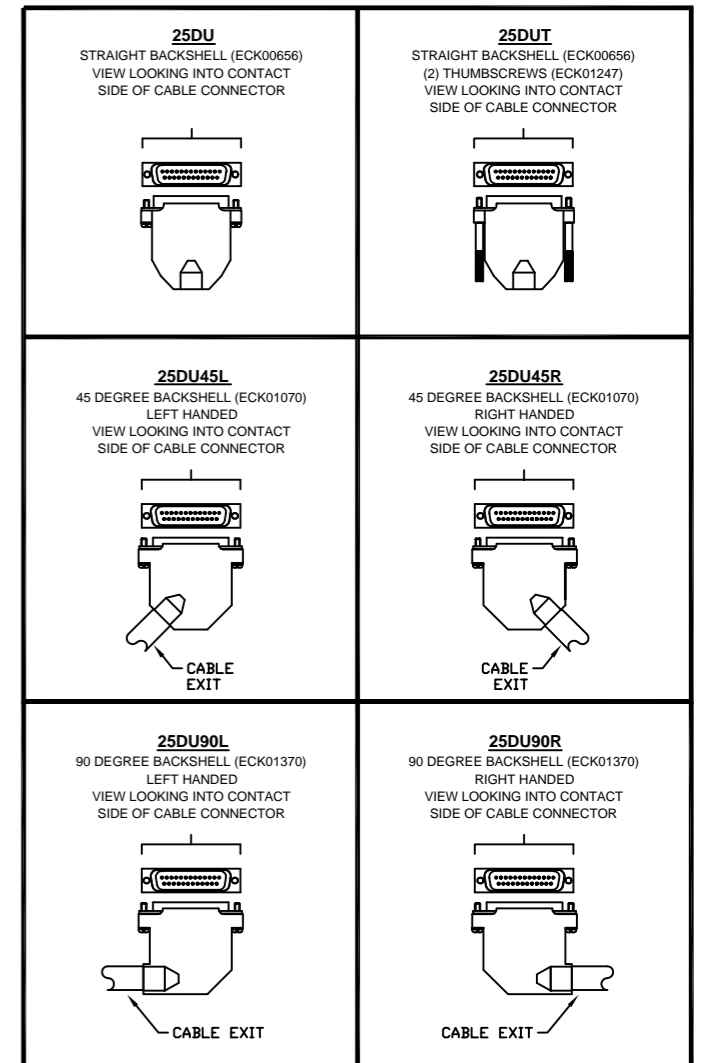
AMP SOCKET #745495-2 (ECK00789)
BACKSHELL: SEE TERMINATION CHART

LUTZE #117107 (STANDARD)
(25 COND. #24), ECK01192

SIGNAL	WIRE	SOCKET
SIG SHLD	SHIELD	1
EXT SD	GRY	2
ENC +5V	WHT/BLU	3(4/4)
ENC +5V	BRN/GRN	3(3/4)
ENC +5V	WHT/BLK	3(2/4)
ENC +5V	VIO	3(1/4)
-	-	4
HB	WHT/GRN	5
MKR-N	WHT/YEL	6
MKR	YEL	7
-	-	8
-	-	9
HA	GRY/BRN	10
HC	YEL/BRN	11
CW/+ LMT	PINK	12
BRK-	WHT/PINK	13
BRK+	PINK/BRN	25
CCW/- LMT	GRY/PINK	24
-	-	23
HM LMT	BRN	22
ENC COM	WHT/RED	21(4/4)
ENC COM	BRN/RED	21(3/4)
ENC COM	BRN/BLU	21(2/4)
ENC COM	GRN	21(1/4)
LMT COM	BLK	20
-	-	19
SIN-N	RED/BLUE	18
SIN	BLUE	17
LMT +5V	RED	16
COS-N	WHT/GRY	15
COS	WHT	14



TERMINATION CHART

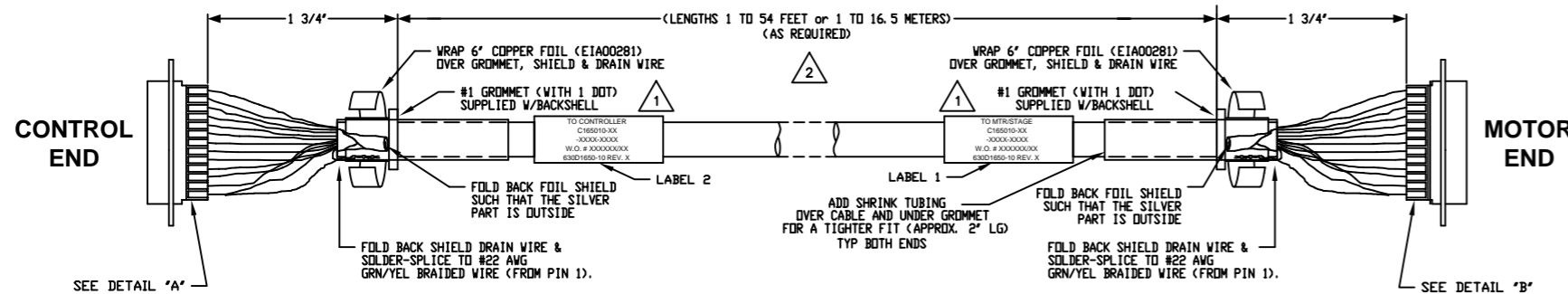


CONTROL END

MOTOR END

CONTROL END

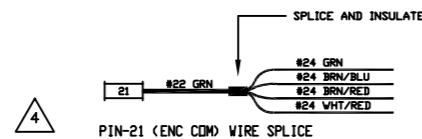
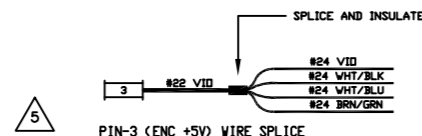
MOTOR END



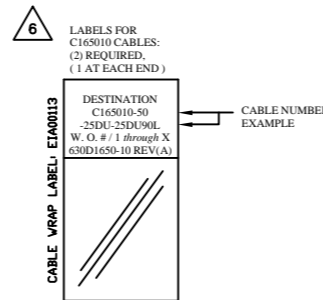
CONFIGURED CABLE PROCEDURE:

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.
 - b.) DETERMINE 'MOTOR END' TERMINATION.
- 5.) USING THE ABOVE INFORMATION, MANUFACTURE CABLE WITH APPROPRIATE TERMINATIONS.
- 6.) LABEL CABLE WITH NEW CONFIGURED PART NUMBER PER NOTE 6, FOLLOWING THE 'CONFIGURED PART NUMBER DEFINITION' SHOWN AT FAR RIGHT.



- 3 FOR CRIMP TOOL USE AMP HANDLE ASSY 58074-1 WITH AMP HEAD ASSY 58063-2
- 2 STARTING CABLE LENGTH = 6 in. BEYOND SPECIFIED LENGTH OF CABLE DO NOT EXCEED LENGTH OF 54 FT FOR THIS DESIGN
- 1 USE #1 GROMMET WITH 1 DOT WHICH IS SUPPLIED W/BACKSHELL



- 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)

CONFIGURED PART NUMBER → C165010-50-25DU-25DU90L

CONFIGURED PART NUMBER DEFINITION
NUMBER SHOWN FOR EXAMPLE ONLY

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TOLERANCES UNLESS OTHERWISE SPECIFIED: FRACTIONS: DECIMALS: ANGLES: 0 TO 6 ± 1/32 XX ± .01 ± 0-30° OVER 6 ± 1/16 XXX ± .005			
RMS FINISH: EXCEPT AS NOTED		CONFIGURED HIGH-FLEX BRUSHLESS FEEDBACK CABLE: BL FB-25DU-25DU-HF MAX165DM	
DRAWN	EJB	11/4/04	PART CODE
CHECKED	JLD	11/4/04	SIZE
APPD.	JLD	11/4/04	SCALE NTS
C165010-XX		D 630D1650-10	
FILE NAME 630D1650-10A1.DWG		SHEET 1 OF 1	