

PLUG 206305-1 (ECK00111)  
 EXTENDER 207055-1 (ECK00604)  
 BACKSHELL 206138-1 (ECK00603)  
 #18-24 PINS 66102-7 (EIK00192)

682A1031 (ECX445)  
 #24 AWG UNLESS OTHERWISE NOTED

PIN	WIRE	SIGNAL
37	#22 WHT/BLU	LMT +5V
36	-	-
35	#22 WHT/BRN	ENC +5V
34	WHT/VID	TACH-
33	-	-
32	#22 WHT/YEL	ENC COM
31	#22 WHT/GRN	LMT COM
30	SHIELD	SIG SHLD
29	WHT/RED	TACH+
28	GRY	CCW/-LMT
27	WHT	CW/+LMT
26	GRN	SIN
25	WHT/BLK	COS
24	BLU	CCW LMT
23	ORN	CW LMT
22	BLK	MKR-N
21	BRN	MKR
20	RED	SIN-N
19	VID	COS-N
18	SHIELD	MTR SHLD
17	#20 BLU	MTR-
16	#20 RED	MTR+
15	YEL	HOME LMT
14	PINK	HM LMT
13	-	-
12	-	-
11	-	-
10	#20 YEL	MTR-
9	-	-
8	-	-
7	-	-
6	#20 ORN	MTR+
5	-	-
4	-	-
3	-	-
2	-	-
1(1/1)	#20 WHT	FRM GND
1(1/2)	#20 GRN	FRM GND

UNUSED WIRES:  
 #20 BRN

682A1031 (ECX445)  
 #24 AWG UNLESS OTHERWISE NOTED

SIGNAL	WIRE	PIN
TACH-	WHT/VID	34
ENC +5V	#22 WHT/BRN	35
-	-	36
LMT +5V	#22 WHT/BLU	37
TACH+	WHT/RED	29
SIG SHLD	SHIELD	30
LMT COM	#22 WHT/GRN	31
ENC COM	#22 WHT/YEL	32
-	-	33
CW LMT	ORN	23
CCW LMT	BLU	24
COS	WHT/BLK	25
SIN	GRN	26
CW/+LMT	WHT	27
CCW/-LMT	GRY	28
MTR+	#20 RED	16
MTR-	#20 BLU	17
MTR SHLD	SHIELD	18
COS-N	VID	19
SIN-N	RED	20
MKR	BRN	21
MKR-N	BLK	22
MTR-	#20 YEL	10
-	-	11
-	-	12
-	-	13
HM LMT	PINK	14
HOME LMT	YEL	15
-	-	5
MTR+	#20 ORN	6
-	-	7
-	-	8
-	-	9
FRM GND	#20 WHT	1(1/1)
FRM GND	#20 GRN	1(1/2)
-	-	2
-	-	3
-	-	4

PLUG 206150-1 (ECK00312)  
 EXTENDER 207055-1 (ECK00604)  
 BACKSHELL 206138-1 (ECK00603)  
 #18-24 SOCKETS 66104-7 (EIK00152)

REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	DRAWN
A		WHT/BLK WAS BLK/BRN, WHT/RED WAS BLK, RED/WHT/VID WAS BLK/ORN	1/10/92	AGS
B		CHANGED WIRE COLORS OF INSIDE BUNDLE	2/16/93	LTR
C		ADDED ECN2913	9/24/97	NTC

3

ACTIVE HIGH SIGNALS FOR USE WITH PREVIOUS GENERATION AEROTECH CONTROLLERS (UNIDEX, UNIDEX 2, UNIDEX 3, UNIDEX 16)

2

USE 2" LENGTHS OF THICK WALL HEATSHRINK TUBING TO BUILD UP CABLE DIAMETER FOR PROPER STRAIN RELIEFING. STRAIN RELIEFING MUST WITHSTAND 35 LB. PULL.

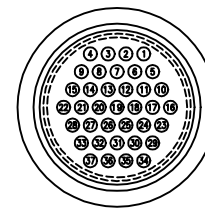
CUT THICK WALL HEATSHRINK TUBING WITH CABLE CUTTER SUCH THAT ENDS ARE PERPENDICULAR TO CABLE AND CUT IS SMOOTH.

THICK WALL HEATSHRINK TUBING:  
 AMP # 53701-1 (EIW00112) MAX INSIDE DIA = .750" (EXPANDED), MIN INSIDE DIA = .220" (RECOVERED)

AMP # 53700-1 (EIW00113) MAX INSIDE DIA = .400" (EXPANDED), MIN INSIDE DIA = .150" (RECOVERED)

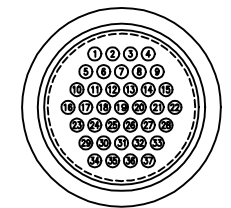
1

STARTING CABLE LENGTH = 15.5 FT



DETAIL "A"

PLUG 206305-1 (ECK111)  
 VIEWED FROM WIRE SIDE OF CONNECTOR



DETAIL "B"

PLUG 206150-1 (ECK312)  
 VIEWED FROM WIRE SIDE OF CONNECTOR

>>#16-18 SOCKET 66100-7 (EIK00154)

#16-18 PIN 66098-7 (EIK194) <<

SEE DETAIL "A".  
 STRIP BACK INSULATION 3/16"  
 USE CRIMP TOOL #565453-5  
 WITH AMP HEAD ASSY 66102-2  
 OR AMP HANDLE ASSY 90277-1

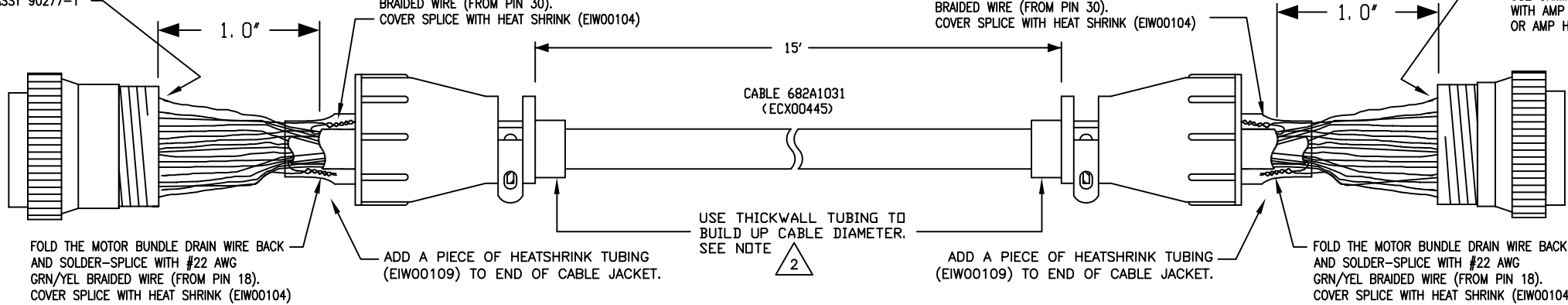
TIGHTLY TWIST THE TWO DRAIN WIRES IN THE SIGNAL BUNDLE TOGETHER.

FOLD THE DRAIN WIRES BACK AND SOLDER-SPLICE WITH #22 AWG GRN/YEL BRAIDED WIRE (FROM PIN 30). COVER SPLICE WITH HEAT SHRINK (EIW00104)

TIGHTLY TWIST THE TWO DRAIN WIRES IN THE SIGNAL BUNDLE TOGETHER.

FOLD THE DRAIN WIRES BACK AND SOLDER-SPLICE WITH #22 AWG GRN/YEL BRAIDED WIRE (FROM PIN 30). COVER SPLICE WITH HEAT SHRINK (EIW00104)

SEE DETAIL "B"  
 STRIP BACK INSULATION 3/16"  
 USE CRIMP TOOL #565453-5  
 WITH AMP HEAD ASSY 66102-2  
 OR AMP HANDLE ASSY 90277-1



FOLD THE MOTOR BUNDLE DRAIN WIRE BACK AND SOLDER-SPLICE WITH #22 AWG GRN/YEL BRAIDED WIRE (FROM PIN 18). COVER SPLICE WITH HEAT SHRINK (EIW00104)

ADD A PIECE OF HEATSHRINK TUBING (EIW00109) TO END OF CABLE JACKET.

USE THICKWALL TUBING TO BUILD UP CABLE DIAMETER. SEE NOTE 2

ADD A PIECE OF HEATSHRINK TUBING (EIW00109) TO END OF CABLE JACKET.

FOLD THE MOTOR BUNDLE DRAIN WIRE BACK AND SOLDER-SPLICE WITH #22 AWG GRN/YEL BRAIDED WIRE (FROM PIN 18). COVER SPLICE WITH HEAT SHRINK (EIW00104)

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

DRAWN	EJB	02/96
CHECKED	WG	09/97
APPD.	WG	09/97

DC OUTPUT CABLE			
DCS-O			
PART CODE	SIZE	REV.	
DCS-O	C	C	
630C1367-1		C	
SCALE NTS	FILE NAME 630C1367-1C1.dwg	SHEET	1 OF 1