

PLUG 206305-1 (ECK00111)
 EXTENDER 207055-1 (ECK00604)
 BACKSHELL 206138-1 (ECK00603)
 #20-24 PINS 66102-7 (EIK00192)

682A1023 (ECX413)
 #24 AWG UNLESS OTHERWISE NOTED

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

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

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

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

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

682A1023 (ECX00413)
 #24 AWG UNLESS OTHERWISE NOTED

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

PLUG 206150-1 (ECK00312)
 EXTENDER 207055-1 (ECK00604)
 BACKSHELL 206138-1 (ECK00603)
 #20-24 SOCKETS 66104-7 (EIK00152)

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

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

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

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

REVISIONS				
REV.	ZDNE	DESCRIPTION	DATE	DRAWN
A		ADDED ECN2937	10/1/97	NTC



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



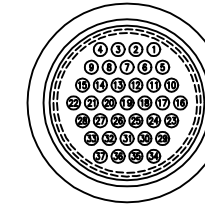
USE 2" LENGTHS OF THICK WALL HEATSHRINK TUBING TO BUILD UP CABLE DIAMETER FOR PROPER STRAIN RELIEFING. STRAIN RELIEFING MUST WITHSTAND 35 LB. PULL.

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)

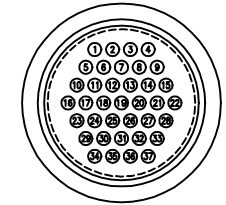


STARTING CABLE LENGTH = 15.5 FT



DETAIL "A"

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



DETAIL "B"

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

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

1-3/4"
 FOLD BACK DRAIN WIRE FROM SIGNAL BUNDLE, SOLDER-SPLICE TO #22 AWG GRN/YEL BRAIDED WIRE (FROM PIN 30). COVER SPLICE WITH HEATSHRINK. (EIW104)

TRIM SIGNAL JACKET BACK TO 3/8"
 FROM OUTSIDE CABLE JACKET END.
 TRIM MOTOR BUNDLE JACKET BACK TO 3/4" FROM OUTSIDE JACKET END.

FOLD BACK DRAIN WIRE FROM MOTOR BUNDLE, SOLDER-SPLICE TO #22 AWG GRN/YEL BRAIDED WIRE (FROM PIN 18). COVER SPLICE WITH HEATSHRINK (EIW104).

ADD A PIECE OF HEATSHRINK TUBING (EIW00110) TO END OF CABLE JACKET.

USE THICKWALL TUBING TO BUILD UP CABLE DIAMETER. SEE NOTE



TRIM SIGNAL JACKET BACK TO 3/8"
 FROM OUTSIDE CABLE JACKET END.
 TRIM MOTOR BUNDLE JACKET BACK TO 3/4" FROM OUTSIDE JACKET END.

1-3/4"
 FOLD BACK DRAIN WIRE FROM SIGNAL BUNDLE, SOLDER-SPLICE TO #22 AWG GRN/YEL BRAIDED WIRE (FROM PIN 30). COVER SPLICE WITH HEATSHRINK. (EIW104)

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

ADD A PIECE OF HEATSHRINK TUBING (EIW00110) TO END OF CABLE JACKET.

FOLD BACK DRAIN WIRE FROM MOTOR BUNDLE, SOLDER-SPLICE TO #22 AWG GRN/YEL BRAIDED WIRE (FROM PIN 18). COVER SPLICE WITH HEATSHRINK (EIW104).

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.



AEROTECH, INC. 101 Zeta Drive
 Pittsburgh, PA. 15238
 (412)963-7470 TWX710-795-3125

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

DC OUTPUT CABLE
 DC-O

DRAWN	TJM	2/77	PART CODE	SIZE	REV.
CHECKED	WG	10/97	DC-O	C	A
APPD.	WG	10/97	SCALE NTS	FILE NAME	SHEET
				630C1350A1.dwg	1 OF 1

630C1350