Alidade w	ire harne	ssi	ng: control	ller box							
Reference											
5-Apr-06											
'											
AWC1	Power fr	rom	relay board	to power r	ngmt boa	ard		,		"	
	Α		Descriptio	n	_	В	Comment	Color	Size	Twist	Length
S		1	100 VAC "L	_"				White	18	3	15"
Wires		2	Return "N"					Black	18	3	15"
		3	Ground					Green	18	3	15"
Ends		Α	IEC-320 0.2	25 quick di	sconnec	t F insulate	d				
En		В	spade fork	term #6, u	nins bent	heat shrin	k				
AWC2	25-wire	cabl	e from alida	de relay b	oard						
	Α		Descriptio	n		B,C,D	Comment	Color	Size	Twist	Length
		1	brakes +24	V		C1		brown		Z	7.5"
						C2	power mgmt board			Z	7.5"
		3	24V aux			D1		purple		Υ	7.5"
		4	Ground			D2		black		Υ	7.5"
		5 +5V				B19	70	red		Χ	7.5"
		6 Ground				B15	arc	black		Χ	7.5"
			float in T 2 input		B6	୍ରି ଛ	green			7.5"	
		8			B9	ller	blue			7.5"	
		9	T 4 input Az brake sense Latch Pot 1 (GND) Pot wiper			B10	microcontroller board	yellow	1		7.5"
		10				B13		white	9		7.5"
ø						B7		orange	all wires #22 AWG		7.5"
Wires/pins		12				B18		black	52	W	7.5"
/se		13				B16		green	#		7.5"
Vire		14	brakes +24	V	C1		brown	res	Z	7.5"	
		15	5 Ground			C2	power mgmt	black	<u>×</u>	Z	7.5"
		16	24V aux			D1	ocontroller board	purple	all	Υ	7.5"
		17	Ground			D2		black		Υ	7.5"
			+5V			B20		red		X	7.5"
		19	Ground			B3		black		X	7.5"
		20	T 1 input			B11		green			7.5"
			T 3 input			B12		blue			7.5"
		22	electronics	reset (on/o	off)	B5		yellow			7.5"
		23	El brake se	nse		B8		white			7.5"
		24	Unlatch (dr	ives on/off)	B14		grey			7.5"
		25	Pot 2 (+5V)			B17	_	red		W	7.5"
			56-126-004			filtered D2	25 Socket on to	p of control l	connects t	o AWE7B	
S P		В	22-55-2201/16-02-0102			2x10 100r	mil ucntrlr boar	d			
Ends	С		770849-2/770522-1			power mgmt board		relay/brakes			
		D	770849-2/7	70522-1		power mg	mt board	HV aux			
B: 1: N /	C 3: G			7: LTCH	Q: T2	11: T1	13: ABS 15:		5V 10: ±5	, 1	
2: N/			6: FLT	8: EBS	10: T4	12: T3	14: ULTC 16:				
2. 14/	_ 	., •	V. 1 E 1	J. 200	10. 14	12. 10	5215 10.	10. 0			
AWC3	encoder	for	azimuth				(P/N: R176H	-03600Q-5L ²	10-AT40SP-	24MN)	
		Α	Descriptio	n		В, С	Comment	Color	Size	Twist	Length
			Α			3		yellow		Z	5.75
			В			5		green	ى ق	<u>-</u> Y	5.75
			IND (Z)			7		blue	\geqslant	X	5.75
Wires/pins			1 N/C			С		bare	4 4		2
g/s			+5V			9		red	#2	W	5.75
/ire			/A			4		brown	all wires #24 AWG	Z	5.75
>			/B			6		orange		Y	5.75
			/IND (Z)			8		white	a	X	5.75
			COMMON			10		black		W	5.75
			56-106-010)		filtered Dsub 9 socket on control box			connects t	o AWE12A	
S			22-55-2101		02		on ucntrir car				
Ends			spade			2 21.30					
			1: NC 3: /	A 5: B		ND) 9: +5V					
			2: NC 4:	/A 6: /B		(IND 10: GND			in-line w/ b	atterv	
	1							l	10 VV/ L	j	1

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A14/0 /				/D/NL 00000	00000051 465	00000015		
AWC4	encoder for		I	(P/N: 9220S0				
		Description	B, C	Comment	Color	Size	Twist	Length
	1		3		yellow		Z	5.75
		B	5		green	all wires #24 AWG	Y	5.75
ģ	3	IND (Z)	7		blue	4	Χ	5.75
Wirec/apin	4	N/C	С		bare	[£] 24	\A/	2
ğ	5	+5V	9		red	# S	W	5.75
3	6	/A	4		brown	/ire	Z	5.75
			6		orange	>	Y	5.75
		/IND (Z)	8		white	В	X W	5.75
		COMMON	10		black		1	5.75
Ø		56-106-010	D9S			connects to	AVVE13A	
Ends	В		2x5 0.100" on ucntrlr ca	a				
Ш	C	spade	NDV O EV					
		1: NC 3: A 5: B 7: Z(II 2: NC 4: /A 6: /B 8: /Z(ND) 9: +5V (IND 10: GND					
		2. 10 4. 74 0. 75 0. 72	(IIII) IO. GIVD	1				
AWCE	hattani							
AWC5	battery	Description	Ь	Comment	Color	Cino	Twict	Longth
		Description	В	Comment	Color	Size	Twist	Length
		+12V	1	use 1-#18	red	18		4
		+12V N/C	1	or 3-#22	red	same wire		
ģ	3		0	4 //40	la la alla	4.0		
Mireo/Joint	4	GND	2	use 1-#18	black	18		4
ğ	5	GND	2	or 3-#22	black	same wire		
3	6	+12V	1		red	same wire		
		N/C						
		N/C GND			la La a La			
			2		black	same wire	A14/E 4 4 A	
о С Ц	A	56-101-010	D9P			connects to	AWE14A	
Ц	і В	770849-2/770522-1						

AWC6	DATE 11	D 1 45	T	I		ı		40
standard	CAT5 cable	RJ-45						12
A14/07	0)///							
AWC7		converter from power mgmt bo		0	Color	0:	Total - 1	
		Description	В	Comment		Size	Twist	Length
Wire		+9V	1		black/white black	20		13
,		Common	2		DIACK	20		13
о С Ц	A	round	T					
Ц	ı В	770849-2/770522-1	I his conne	ctor numberin	ig is opposite	to 0.100" co	onnectors	
414/00	041/4		l .					
AWC8		ower supply to power mgmt boo		0	0-1	0:	Table 1	1
		Description	В	Comment	Color	Size	Twist	Length
Wire		+24V	1		red	18		8.25
-		Common	2		black	18		8.25
о С Ц	A	spade fork #6x18						
Ц	і В	770849-2/770522-1						
411/00	=1// 000							
AWC9	5V to SBC	Description	I.D.	0	0-1	0:	Total 1	
		Description	В	Comment	Color	Size	Twist	Length
Wires		+5V	1		red	18		7.5
	2	Common	2		black	18		7.5
Ends	A	15-24-4048						
ū	ı B	770849-2/770522-1						
AWC10		m Power Management to uCntrl	1	1 -		1		1-
		Description	В	Comment	Color	Size	Twist	Length
Wire		+12V	1		red	18		4.5
	2	Common	2		black	18		4.5
о С Ц	A	770849-2/770522-1						
2.	il R	770849-2/770522-1		0.156" pitch	1			

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AWC11	SBC reset (goes between the uCntrlr board	and SBC)							
	Α	Description	В	Comment	Color	Size	Twist	Length		
Wires	1	power	1		red	24	Z	9		
	2	ground	2		black	24	Z	9		
	3	reset	3		green	24	Z	9		
	4	N/C	4	pin 1 on inboard side						
	5	N/C	5							
Ends	Α	50-57-9005/16-02-0102	1x5 100mil	connector on	ucntrlr card					
		50-57-9005/16-02-0102	1x5 100mil connector on SBC							
AWC12	electronics on/off (between uCntrlr board and power management board)									
	Α	Description	В	Comment	Color	Size	Twist	Length		
Wires	1	electronics on/off	1		green	24	Z	6.5		
	2	ground	2		black	24	Z	6.5		
	3	battery voltage /3	3		yellow	24	Z	6.5		
Ends	Α	50-57-9003/16-02-0102								
Б	В	50-57-9003/16-02-0102								
AWC13	short cat 5 c	crossover cable between SBC (s	second LAN	l) and uCntrlr	board					
crossover C	AT5 cable							6"		

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