

			ng Enclosure						
		ELMCOvervi	ew.vsd						
15-Feb	-06								
AWE1			wires through ped			1			
		Α	Description	В	Comment	Color	Size	Twist	Length
	SS		120VAC		65 strand wire Beldon		#12		
	Wires		Return		8527	black	#12		
		3	Ground		Beldon 8520	green	#14		
	Ends	Α	bare wire		inal block behind pie-p	late			
	Ē	В	MIxB3	terminal or	Alidade Relay Board				
AWE2		Transformer							
		Α	Description		Comment	Color	Size	Twist	Length
			120VAC		Tl	white	#14		
	S	2	Return		These wires except	black	#14		
	Wires	3			Ground are all on the				
	≥	4	100VAC		toroid, we provide	red	#14		
			Return		connector	red	#14		
F	End		MIxB5	connector	on alidade relay card				
				55111100101	on andado rolay bard				
AWE3		Power to mo	ntors						
AVLJ		A	Description	В	Comment	Color	Size	Twist	Length
			110VAC		Use standard power	black	#14	I WISL	Lengu
	Wires		Return		-	white	#14		2 ft
	Wij		Ground		cord and chop off		#14		_ Z II
					plug	green	#14		
	Ends		MIxB4		on alidade relay board				
	Ш	В	IEC-320	right angle	plug on drive box				
		_							
AWE4		Power for co		I _	_ ·				
		Α	Description	В	Comment	Color	Size	Twist	Length
	Se		120VAC		Use standard power	white	#18		
	Wires		Return		cord and chop off	black	#18		
			Ground		plug	green	#18		
	sρι		MlxB3		on alidade relay board				
	Ē	В	IEC-320	right angle	plug on control box (ma	ay not exis	st in rt angle?	')	
AWE5			m power box	(also called					
		Α	Description	В	Comment	Color	Size	Twist	Length
	S	1	120VAC			black	#14		
	Wires		Return		wire	white	#14		
		3	Ground			green	#14		
	Ends	Α	MlxB3	connector	on alidade relay board				
	En	В	ParlBlade U Gnd		in rim power box				
AWE6		15-wire cabl	e from alidade rela	ay board to	drive box		1		
		Α	Description	В	Comment				Length
			az brakes +24V	1	1&9 are controlled with	the main	drives transf	ormer pov	
			Ground	2					
			24V aux	3					
			Ground	4					
					5&13 are connected th	·		 	1 1
		5	drive enable +	h	14X13 are connected to	nralian reig	av contacte w	hich are c	บลอดเ

	.⊑	7	Az cw limit	7	7&15 are connected t	n 8 via N∩ o	witches			
	Wires/pin		Az limit common	8	rais are connected t	O O VIA INO S	SWILCHIES			
	ē		el brakes +24V	9						
	≶				Dolden 0047					
			Ground		Belden 9947	maybe				
			24V aux		awaiting quote from c	ablestogo.c	om			
			Ground	12						
			drive enable -	13						
			Ground	14						
			Az ccw limit	15						
	Ends		D15P		dade relay board					
	ш	В	D15S	Dsub to dri	ve box	connects t	o AWD2A			
WE7		25-wire cab	le from alidade rela	ay board to	control box					
		Α	Description	В	Comment				Length	
		1	brakes +24V	1	1,3,5,11,14,16,18, 24	are power a	and control	signals from	the	
		2	Ground	2	control box					
			24V aux	3						
			Ground	4						
			5V sensor +	5						
			Ground	6						
			float in	7	7,8,9,10,12,13,20,21,	22 23 25 ar	logic and	sensor signa	le	
			T input1 -	8	returning to the co		logic and s	Serisor signe	113	
			T input2 -	9	returning to the co	JIIIOI DOX				
				10						
			Az brake sense					-	ada ladada	
	Wires/pins		Latch	 11 main drives transformer power is latched by holding 24 logic l 12 while pulsing 11 logic low-high-low 						
			Pot 1	12						
	es		Pot wiper		wrap pot is wired to re				veen 13	
	⋚		brakes +24V	14	and 25 increases	when azımı	ith rotates c	W		
			Ground	15						
			24V aux	16						
			Ground	17						
			5V sensor -		awaiting quote from o	ablestogo.c	om			
			Ground	19						
		20	T input1 +	20						
		21	T input2 +	21						
		22	electronics reset	22						
			El brake sense	23						
			Unlatch	24						
			Pot 2	25						
	<u>0</u>		D25S		dade relay board					
	Ends		D25P	Dsub to and						
	ш	В	5201	2000 10 00	I II DOX					
AWE8		motor powe	l r and brakes for az	zimuth						
411E0		A	Description	В	Comment	Color	Size	Twist	Length	
			W1		Comment	30101	JIZE	1 WISL	Lengui	
			W2	-						
				W		purple	#14			
			W3	-						
			W4							
			N/C							
			N/C							
			V1							
			V2	V		brown	#14			
		17	V3	*		SIGWII	π ι ¬			

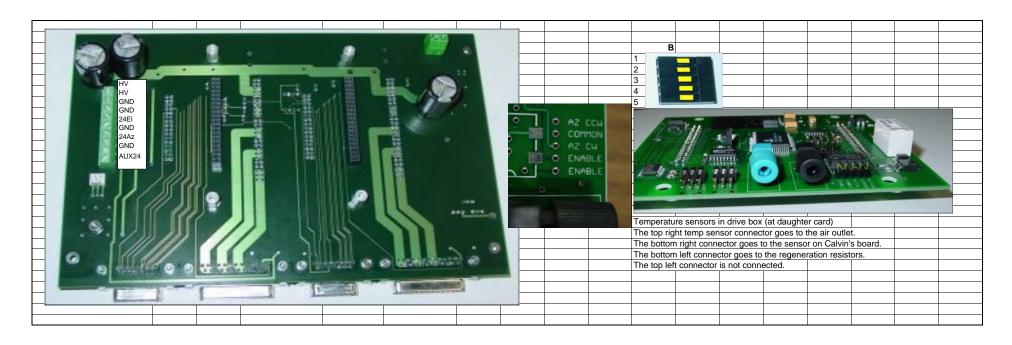
					_				
			V4						
١ ,	'n	6	N/C						
		19	N/C						
3	s/s		U1						
3	wires/pins		U1						
]	>	20		U		blue	#14		
	-	21							
			N/C						
			N/C						
			G1						
			G2	Ground		green	#14		
			G3	Ground		groon	,, , ,		
			G4						
		12	BP			blue	#16		
		13	BM			blue	#16		
			SHIELD			shield	shield		
			D25P	filtered D24	S on board				
-	Ends		MlxS6a		or on motor				
ا د	П		MlxS2a						
	-	C	IVIIXOZA	wires part	UI DIAKE				
414/50									
AWE9			d hall's for azimut					 	1
			Description	В	Comment	Color	Size	Twist	Length
			N/C		GND on board	N/C			
		2				brown	<u> </u>		
		3	V			gray			
		4	W			white			
	ŀ	5	GND			black		V	
			X			purple		Z	
9	<u>s</u>		В			green		Y	
3	β	8				blue		X	
	wires/pins		thermal sensor		GPIN5			W	
	₹					orange	_		
			GND thermal sens	SOr	GND	orang/whit	e	W	
			Vcc (+5V)			red		V	
			N/C		GND on board	N/C			
		13	/X			purple/blk		Z	
		14				green/blk		Υ	
	Ī	15				blue/blk		X	
	os		D15P	filtered D15	5S on board				
1	Ends		M		or on motor				
_	_								
AWE10		motor nowe	r and brakes for el	evation			Alternate S	Sort Pin #	
			Description	В	Comment	Color	Size	Twist	Length
	\dashv		W1		- Jimiloit	33101	JILC	1 11131	Longin
	ŀ		W2						
	-			W		purple	#14		
			W3						
			W4						
			N/C						
			N/C						
	Ī	4	V1						
	İ	5	V2	.,		L	11.4.4		
	ŀ		V3	V		brown	#14		
	ŀ		V4						
I	F		N/C						-
	Ω	h	IXI/C.						

	- 1	40	NI/O			I	1		
Mires/viin	₹.		N/C						
ú	ה מ		U1						
<u> </u>	-		U1	U		blue	#14		
>	>	20	U1	U		Dide	#14		
		21	U1						
			N/C						
	ŀ		N/C						
	-		G1						
	-								
			G2	Ground		green	#14		
	L		G3						
			G4						
			BP			blue	#16		
		13	BM			blue	#16		
		25	SHIELD			shield	shield		
			D25P	filtered D25	S on board				
о С	2 -		MlxS6a		or on motor				
	ן נ		MlxS2a	wires part					
	\dashv		ινιιλυζα	wiies pait	טו טומתכ				
A \A/E 4 4		on oo dara	nd hall's for elevation	 					
AWE11							0:		1. 4.
			Description	В	Comment	Color	Size	Twist	Length
	L		N/C		GND on board	N/C			
		2	U			brown			
			V			gray			
		4	W			white			
		5	GND			black		V	
	_		Χ			purple		Z	
	2 -		В			green		Y	
Wirec/seric	<u>ب</u> ح	8				blue		X	
ğ	<u>.</u>		thermal sensor		GPIN5	orange		W	
	>							W	
	L		GND thermal sens	sor	GND	orang/whit	е		
	L		Vcc (+5V)			red		V	
			N/C		GND on board	N/C			
		13				purple/blk		Z	
		14	/B			green/blk		Υ	
		15	/A			blue/blk		Χ	
<u>0</u>	2	А	D15P	filtered D15	S on board				
о С	5		D15P	D 15p on n					
_							1		
AWE12		encoder for	azimuth	 	(P/N: R176H-03600Q-	5I 10-AT40	SP-24MNI)		
, () []				В	Comment	Color	Size	Twist	Longth
	- 1		Description	D	Comment		3126	ı WIST	Length
	-		A			yellow	1		
			В			green	1		
U	<u>0</u>		IND			blue			
2.	5		N/C			shield			
700	9		+V			red			
Mirec/serio	Ĭ	6	/A			brown			
>	>	7	/B			orange			
	F		/IND			white			
	F		COMMON			black			
_0	2		D9P	Dsub on co	ontrol boy	DIGOR			
о С Ц	⊦ :	A							
Ц		В		cable part	UI ENCOUEI				
ANALE			-1C		/D/N 00000000000	40000000	450		
AWE13		encoder for	elevation		(P/N: 9220S03600D5L	.TUD99SP0	4EA)		

	Α	Description	В	Comment	Color	Size	Twist	Length
	1	Α			yellow			
	2	В			green			
	3	IND			blue			
Wires/pins	4	N/C			shield			
d/s	5	+5V			red			
<u>ĕ</u> .	6	/A			brown			
≥	7				orange			
		/IND			white			
		COMMON			black			
Ø		D9P	Dsub on co	entral hav	DIACK			
Ends	A							
Ш	В		cable part	or encoder				
AWE14	bottom, for a	ontrol hav						
NVE14	battery for c		Ь	Commont	Color	Size	Turiot	
		Description	В	Comment	Color	Size	Twist	
		+12V	1		1		Z	
		+12V	1				Z	
35	3	N/C	_		1			1
Zi	. 4	GND	2		black		Υ	1
Wires/pins	5	GND	2		black		Υ	
Ž Ž	6	+12V	1				Z	
>	/	N/C						
		N/C						
		GND	2		black		Υ	
Ends	A	D9S						
щ	В	Spade?						
AWE15	Signal from	relay board to pie-	plate	LappUSA (Olflex) 900	P Cable, 3 o	conductor #	24, 811442	
		Description	В	Comment	Color	Size	Twist	Î
S	1	•			black	#24		
Wires	2				black			
≥					Diack	l#24		
	3					#24 #24		
9	3 A		on alidade	relay board	green/yello			
spu		MIxT3		relay board				
Ends			on alidade behind pie					
	A B	MIxT3 bare						
AWE16	A B signal from	MIxT3 bare oil float						
AWE16	A B signal from	MIxT3 bare oil float						
AWE16	A B signal from 1 2	MIxT3 bare oil float	behind pie	plate				
AWE16	A B signal from 1 2	MIxT3 bare oil float MIxT2	behind pie					
AWE16	A B signal from 1 2	MIxT3 bare oil float	behind pie	plate				
AWE16 Mise	signal from 1 2 A B	MIxT3 bare oil float MIxT2 Crimps?	behind pie	relay board				
AWE16	signal from 1 2 A B Signal from	MIxT3 bare oil float MIxT2	behind pie	relay board	green/yello			
AWE16	signal from 1 2 A B Signal from	MIxT3 bare oil float MIxT2 Crimps? temperature sense	behind pie	relay board	green/yello			
AWE16	signal from 1 2 A B Signal from 1 2 2 A B 2 3 3 4 4 5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	MIxT3 bare oil float MIxT2 Crimps? temperature sense	behind pie	relay board	green/yello			
AWE16 Spud AWE17-1	signal from 1 2 A B Signal from 1 2 3	MIxT3 bare oil float MIxT2 Crimps? temperature sense	on alidade	relay board oard Lm-35 Device in TO-2	green/yello			
AWE16 Spud AWE17-1	signal from 1 2 A B Signal from 1 2 3	MIxT3 bare oil float MIxT2 Crimps? temperature sense	on alidade or to relay b	relay board oard Lm-35 Device in TO-2	green/yello			
AWE16	signal from 1 2 A B Signal from 1 2 3	MIxT3 bare oil float MIxT2 Crimps? temperature sense	on alidade	relay board oard Lm-35 Device in TO-2	green/yello			
AWE16 Spud WE17-1	signal from 1 2 A B Signal from 1 2 A B Signal from 1 2 A B B Signal from 1 2 B	MIxT3 bare oil float MIxT2 Crimps? temperature sensor	on alidade or to alidade temperatur	relay board oard Lm-35 Device in TO-2 relay board e sensor	green/yello			
AWE16 Spug	signal from 1 2 A B Signal from 1 2 A B Signal from 1 2 A B B Signal from 1 2 B	MIxT3 bare oil float MIxT2 Crimps? temperature sense	on alidade or to alidade temperatur	relay board oard Lm-35 Device in TO-2 relay board e sensor	green/yello			
AWE16 AWE17-1 Spug	signal from 1 2 A B Signal from 1 2 3 A B Signal from 2 3 A B	MIxT3 bare oil float MIxT2 Crimps? temperature sense MIxT3 ?	on alidade or to alidade temperatur	relay board oard Lm-35 Device in TO-2 relay board e sensor	green/yello			
AWE17-1 Spug	signal from 1 2 A B Signal from 1 2 3 A B Signal from 2 3 A B	MIxT3 bare oil float MIxT2 Crimps? temperature sense MIxT3 ?	on alidade or to alidade temperatur	relay board oard Lm-35 Device in TO-2 relay board e sensor	green/yello			
AWE16 Spug	signal from 1 2 A B Signal from 1 2 3 A B Signal from 2 3 A B	MIxT3 bare oil float MIxT2 Crimps? temperature sensor MIxT3 ?	on alidade or to alidade temperatur	relay board oard Lm-35 Device in TO-2 relay board e sensor	green/yello			

		0			1	1		1
Ē	В	?	temperatur	e sensor				
AWE17-3	Signal from	temperature sense	or to relay b	oard				
Ø	1			Lm-35 Device in TO-2	20			
Wires	2							
≥	3							
g		MIxT3	to alidade i	alay hoard				
Ends	В				DEMOVE A	COMBINES	2 M/ E 10)	
Ш	Б	!	temperatur	e sensor	KEWOVE	COMPINES	5 VV/ E-19)	
AWE18	Signal from	az wrap potention	eter				,	
S	1							
Wires	2							
>	3							
ds	A	bare wire	posts on po	ot				
Ends	В	MIxT3		relay board				
				•				
AWE19	Signal from	elevation level ser	nsor		·			
S	1	red	+5V					
Wires		green	signal	INCLUDE EL THERMA	AL			
>		blue	ground					
Ends		XXX connector	to alidade i	elay board				
				•				
	1	l.	1	I.	1	l		

				1	1			
		ing: drive box						
Reference	ELMCOver	view.vsd						
15-Feb-06								
AWD1		er cable from box lid			1		1	
	Α	Description	В	Color	Size	Twist	Length	
Wires		100VAC		white	14AWG			
Vire		Return		black	4 4			
		Ground		green	<u></u>			
Ends		bare wire	solder terminal	s on IEC-320				
山	В	bare wire	screw terminal	s on drive board				
AWD2	15-wire cal	ole from drive-box top	to daughter box	ard/drive board				
	Α	Description	B,C,D	Color	Size	Twist	Length	
	1	az brakes +24V	С	Brown		Z	5	
	2	Ground	С	Black		Z	5	
		24V aux	С	Red	1	Υ	5	
		Ground	D	Black	1	Y	9.5	
		drive enable +	B5	Orange	ני)	X	12	
		Ground	D	Black	Ĭ	W	9.5	
sui		Az cw limit	B3	Yellow	2A	W	12	
id/s		Az limit common	B2	Green	#2	W	12	
Wires/pins	-	el brakes +24V	C	Blue	all wires #22AWG	V	5	
Š		Ground	C	Black	- Ķ	V	5	
		24V aux	C	Purple	 	Y	5	
		Ground	D	Black	- "	Y	9.5	
			B4		-		12	
		drive enable -		Grey	4	X		
		Ground	D	Black		W	9.5	
		Az ccw limit	B1	White		W	12	
		56-111-010		P on driver box top				
Ends		WM2803-ND/WM62	1x5 100mil cor	nector on daughter	card	(50-57-90)	05/16-02-010	2)
					1	(_,
Ш		bare wire	screw terminal	on driver board		(11111111111111111111111111111111111111		_,
Ш				on driver board				
	D	bare wire gnd lug	screw terminal round 6-32					
	D	bare wire gnd lug e sensor cable from o	screw terminal round 6-32 drive board to da	aughter card				
	temperatur A	bare wire gnd lug	screw terminal round 6-32	aughter card	Size	Twist	Length	
AWD3	temperatur A	bare wire gnd lug e sensor cable from o	screw terminal round 6-32 drive board to da	aughter card				
	temperatur A 1 2	bare wire gnd lug e sensor cable from o Description	screw terminal round 6-32 drive board to da	aughter card Color red yellow				
	temperatur A	bare wire gnd lug e sensor cable from o Description	screw terminal round 6-32 drive board to da	aughter card Color red				
	temperatur A 1 2	bare wire gnd lug e sensor cable from o Description	screw terminal round 6-32 drive board to da	aughter card Color red yellow				
	temperatur A 1 2 3	bare wire gnd lug e sensor cable from o Description	screw terminal round 6-32 drive board to da B	Color red yellow black				
	temperatur A 1 2 3	bare wire gnd lug e sensor cable from o Description	screw terminal round 6-32 drive board to da B	Color red yellow black				
AWD3	temperatur A 1 2 3 A B	bare wire gnd lug e sensor cable from o Description	screw terminal round 6-32 drive board to da B 1x3 100mil 3-wire molex s	color red yellow black				
AWD3	temperatur A 1 2 3 A B	bare wire gnd lug e sensor cable from of Description e sensor cable from the sensor c	screw terminal round 6-32 drive board to da B 1x3 100mil 3-wire molex s	color red yellow black			Length	
AWD3	temperatur A 1 2 3 A B	bare wire gnd lug e sensor cable from of Description e sensor cable from the	screw terminal round 6-32 drive board to da B 1x3 100mil 3-wire molex september 1x3 to daug	cughter card Color red yellow black cocket	Size	Twist		
AWD3	temperatur A 1 2 3 A B temperatur A	bare wire gnd lug e sensor cable from of Description e sensor cable from the Description	screw terminal round 6-32 drive board to da B 1x3 100mil 3-wire molex september 1x3 to daug	cocket Color red black bcket Color red Color red	Size	Twist	Length	
AWD3	temperatur A 1 2 3 A B temperatur A 1	bare wire gnd lug e sensor cable from of Description e sensor cable from the sensor c	screw terminal round 6-32 drive board to da B 1x3 100mil 3-wire molex september 1x3 to daug	cocket Color red black bter card Color red yellow	Size	Twist	Length	
AWD3	temperatur A 1 2 3 A B temperatur A 1 2 3 3 A B 3	bare wire gnd lug e sensor cable from of Description e sensor cable from h Description	screw terminal round 6-32 drive board to date B 1x3 100mil 3-wire molex series meatsink to dauge B	cocket Color red black bcket Color red Color red	Size	Twist	Length	
AWD3	temperatur A 1 2 3 A B temperatur A 1 2 3 A A A	bare wire gnd lug e sensor cable from of Description e sensor cable from bescription	screw terminal round 6-32 Brive board to date B 1x3 100mil 3-wire molex series meatsink to dauge B 1x3 100mil	cocket Color red black bter card Color red yellow	Size	Twist	Length	
AWD3	temperatur A 1 2 3 A B temperatur A 1 2 3 3 A B 3	bare wire gnd lug e sensor cable from of Description e sensor cable from bescription	screw terminal round 6-32 drive board to date B 1x3 100mil 3-wire molex series meatsink to dauge B	cocket Color red black bter card Color red yellow	Size	Twist	Length	
AWD3	temperatur A 1 2 3 A B temperatur A 1 2 3 A B B A B B	bare wire gnd lug e sensor cable from of Description e sensor cable from because from the be	screw terminal round 6-32 Brive board to date B 1x3 100mil 3-wire molex series meatsink to dauge B 1x3 100mil leads	aughter card Color red yellow black ocket hter card Color red yellow black	Size	Twist	Length	
AWD3	temperatur A 1 2 3 A B temperatur A 1 2 3 A B temperatur A 1 2 3 A B	e sensor cable from a pescription e sensor cable from a pescription e sensor cable from a pescription	screw terminal round 6-32 drive board to date B 1x3 100mil 3-wire molex series meatsink to dauge B 1x3 100mil leads airflow to daught	aughter card Color red yellow black ocket hter card Color red yellow black	Size	Twist	Length	
AWD3	temperatur A 1 2 3 A B temperatur A 1 2 3 temperatur A 1 2 3 temperatur A	e sensor cable from a Description e sensor cable from a Description e sensor cable from a Description	screw terminal round 6-32 Brive board to date B 1x3 100mil 3-wire molex series meatsink to dauge B 1x3 100mil leads	aughter card Color red yellow black ocket hter card Color red yellow black	Size	Twist	Length	
AWD3	temperatur A	e sensor cable from a Description e sensor cable from a Description e sensor cable from a Description	screw terminal round 6-32 drive board to date B 1x3 100mil 3-wire molex series meatsink to dauge B 1x3 100mil leads airflow to daught	aughter card Color red yellow black ocket hter card Color red yellow black	Size	Twist	Length	
AWD3	temperatur A 1 2 3 A B temperatur A 1 2 3 temperatur A 1 2 3 temperatur A 1 2 3 A B	e sensor cable from a Description e sensor cable from a Description e sensor cable from a Description	screw terminal round 6-32 drive board to date B 1x3 100mil 3-wire molex series meatsink to dauge B 1x3 100mil leads airflow to daught	aughter card Color red yellow black ocket Color red yellow black er card Color red yellow black	Size	Twist	Length	
AWD3	temperatur A 1 2 3 A B temperatur A 1 2 3 temperatur A 1 2 3 A B temperatur A 1 2 3 3 A B 4 B 4 B 4 B 4 B 4 B 4 B 4 B 4 B 4 B	e sensor cable from a Description	screw terminal round 6-32 drive board to da B 1x3 100mil 3-wire molex someatsink to daug B 1x3 100mil leads irflow to daught B	aughter card Color red yellow black ocket hter card Color red yellow black	Size	Twist	Length	
AWD4-1	temperatur A 1 2 3 A B temperatur A 1 2 3 temperatur A 1 2 3 A B temperatur A A B	e sensor cable from a Description	screw terminal round 6-32 drive board to da B 1x3 100mil 3-wire molex some atsink to daught leads 1x3 100mil leads 1x3 100mil	aughter card Color red yellow black ocket Color red yellow black er card Color red yellow black	Size	Twist	Length	
AWD4-1	temperatur A 1 2 3 A B temperatur A 1 2 3 temperatur A 1 2 3 A B temperatur A 1 2 3 3 A B 4 B 4 B 4 B 4 B 4 B 4 B 4 B 4 B 4 B	e sensor cable from a Description	screw terminal round 6-32 drive board to da B 1x3 100mil 3-wire molex someatsink to daug B 1x3 100mil leads irflow to daught B	aughter card Color red yellow black ocket Color red yellow black er card Color red yellow black	Size	Twist	Length	
AWD3	temperatur A 1 2 3 A B temperatur A 1 2 3 temperatur A 1 2 3 A B temperatur A A B	e sensor cable from a Description	screw terminal round 6-32 drive board to da B 1x3 100mil 3-wire molex some atsink to daught leads 1x3 100mil leads 1x3 100mil	aughter card Color red yellow black ocket Color red yellow black er card Color red yellow black	Size	Twist	Length	



Referer	nce I	r e harnessi ELMCOverv			ler box													
15-Feb	-06																	
AWC1		Power from	relay	/ board														
	Wires	1 2																
		3																
	Ends		IEC															
	Ш	В	Lea	as														
AWC2		25-wire cab	le fro	m alida	de relay	board to	C	ontrol bo	ЭX									
		A		criptio				B,C,D	(Com	ment	Color				Twis	t	Length
			brak Gro	kes +24	·V			C1 C2		nowo	r mgmt	brown				Z Z		
			24V					D1		board	_	purple				Y		
			Gro					D2			-	black				Ϋ́		
			+5V					B1		0		red				X		
		_	Gro					B5		oar		black				X		
			float					B16 B11		microcontroller board		green blue						12"
				input input				B12		je je		yellow						12
				orake se	ense			B7		onti		white		(IJ			
	S		Late					B13		50		orange			⋛			
	/pin			1 (GNE))			B4		лі Эі		black		į	24	W		
	Wires/pins			wiper ces +24	\/			B6 C1				green brown			all wires #24 AWG	Z		
	≶		Gro		·V			C2		nowe	r mgmt				ME	Z		
			24V					D1		board	_	purple			= a	Ϋ́		
		17	Gro	und				D2				black				Υ		
		_	+5V					B2		ard		red				Х		
			Gro					B17		ğ		black				Χ		
				input input				B9 B10		lle.		green blue						
				tronics	reset			B15		ot 10		yellow						
		23	El b	rake se	nse			B14		000		white						
			Unla					B8		microcontroller board		grey						
				2 (+5V) 126-004				B3			rot on to	red p of cont	rol	huconn	octo	W s to Δ\//	-7R	
	spu				r ID/WM62	510-ND)				trlr boar	-	101			201/16-		02)
	Enc				70522-1			power				relay/bra	ake					36321
		D	770	849-2/7	70522-1			power				HV aux				Jame	eCo 2	36321
		1		3	5	7	100	9	1	1	13	15		17		19		
		2	8	4	6	8	¥	10	1	2	14	16	8	18		20		
AWC3		encoder for										-03600Q-	-5L	10-AT4	IOSI		•	
				criptio	n			В		Com	ment	Color				Twis	t	Length
			A B						4 6			yellow green		,	'n	Z Y		12"
			IND	(Z)					8			blue			\S	X		12
	pins	4	N/C									-			24 7			
	Wires/pins		+5V	,					10			red		:	# S	W		
	Μ̈		/A /B						3			brown			NE NE	Z		
			/IND) (Z)					5 7			orange white		:	all wires #24 AWG	Y X		
				MMON					9			black				W		
	Ends	А	56-1	106-010								control b	юх			s to AWI		
	Д	В			ID/WM62	:510-ND)	2x5 0.	100" (on uc	ntrlr car	d /		(22-5	55-2	101/16-	02-01	02)
			ſ	1: NC	3: //	5:	/	В 7	′: /Z		9: GNE							

		1: NC	3: /A	5: /B	7: /Z	9: GN	D _			ı
		2: NC	4: A	6: B	8: Z	10: +5				
AWC4	enco	oder for elevation						10D99SP04		
		A Description		В		omment	Color		Twist	Length
		1 A 2 B			4 6		yellow green	(D	Z Y	
		3 IND (Z)			8		blue	all wires #24 AWG	X	
	Wires/pins	4 N/C			_			4 4		12"
	d/se	5 +5V			10		red	#2	W	
	Nire	6 /A			3		brown	<u>i.es</u>	Z	
		7 /B			5		orange	≥	Υ	
		8 /IND (Z) 9 COMMON			7 9		white black	Ф	X W	
	S S	A 56-106-010			9		DIACK	connect	ts to AWE13	Δ
	Ends	B WM2522-ND/	WM6251	0-ND 2x5	0.100" o	n ucntrlr ca	ard		2101/16-02-0	
		1: NC	3: /A	5: /B	7: /Z	9: GN		•		,
		2: NC	3. /A 4: A	6: B	8: Z	9. GN				
AWC5	batte		1. 73	U. D	JU. 2	100				
AWG	Daile	A Description		В	C	omment	Color		Twist	Length
		1 +12V		_	1				Z	
		2 +12V			1				Z	
	SI	3 N/C								
	Wires/pins	4 GND			2		black		Y	
	ires	5 GND 6 +12V			2 1		black		Y Z	
	≶	7 N/C			1				_	
		8 N/C								
		9 GND			2		black		Υ	
	Ends	A 56-101-010		filte	red Dsub	9 pin on co	ontrol box	connect	ts to AWE14	A
	Ш	B 770849-2/770)522-1							
	ш	B 770849-2/770)522-1							
AWC6 standard			J522 - 1	10"	long ?					
AWC6 standard	d CAT5	cable Rj-45	J5ZZ-1	10"	long ?					
AWC6	d CAT5	cable Rj-45 o media converter	J5ZZ-1		_		Calar	Oine	Turist	Langth
AWC6 standard	d CAT5 9V to	cable Rj-45 o media converter A Description	J5ZZ-1	10" B	_	comment	Color	Size	Twist	Length
AWC6 standard	d CAT5 9V to	cable Rj-45 o media converter A Description 1	J522-1		_		Color	Size	18	Length
AWC6 standard AWC7	9V to	cable Rj-45 o media converter A Description	0522-1		_		Color	Size		Length
AWC6 standard AWC7	d CAT5 9V to	cable Rj-45 o media converter A Description 1 2			_		Color	Size	18	Length
AWC6 standard AWC7	9V to	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770)522-1	В	_		Color	Size	18	Length
AWC6 standard AWC7	9V to	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770)522-1	B ard	C	Comment			18 18	
AWC7 Wire	9V to	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 from power supply to A Description)522-1	В	C		Color	Size	18	Length Length
AWC6 standard AWC7 Wire	9V to	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770)522-1	B ard	C	Comment			18 18	
AWC6 standard AWC7 Wire	9V to	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 from power supply to A Description 1 2 A	0522-1 UPS boa	B ard	C	Comment			18 18	
AWC6 standard AWC7 Wire	9V to	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 / from power supply to A Description 1 2	0522-1 UPS boa	B ard	C	Comment			18 18	
AWC6 standard AWC7 Wire	9V to	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 from power supply to A Description 1 2 A B 770849-2/770	0522-1 UPS boa	B ard	C	Comment			18 18	
AWC6 standard AWC7 Wire	9V to	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 from power supply to A Description 1 2 A B 770849-2/770 A B 770849-2/770	0522-1 UPS boa	B ard B	C	Comment	Color	Size	18 18 Twist	Length
AWC6 standard AWC7 Wird AWC8 Wird AWC9	9V to	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 from power supply to A Description 1 2 A B 770849-2/770	0522-1 UPS boa	B ard	C	Comment			18 18	
AWC6 standard AWC7 Wird AWC8 Wird AWC9	9V to es spull 5V to es	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 from power supply to A Description 1 2 A B 770849-2/770 O SBC A Description 1 2	0522-1 UPS boa	B ard B	C	Comment	Color	Size	18 18 Twist	Length
AWC6 standard AWC7 Wird AWC8 Wird AWC9	9V to es spull 5V to es	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 / from power supply to A Description 1 2 A B 770849-2/770 o SBC A Description 1 2 A 770849-2/770	0522-1 UPS boa	B ard B	C	Comment	Color	Size	18 18 Twist	Length
AWC6 standard AWC7 Wird AWC8 Wird AWC9	9V to	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 from power supply to A Description 1 2 A B 770849-2/770 O SBC A Description 1 2	0522-1 UPS boa	B ard B	C	Comment	Color	Size	18 18 Twist	Length
AWC6 standard AWC7 Wird AWC8 Wird AWC9	9V to es spull 5V to es spull	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 / from power supply to A Description 1 2 A B 770849-2/770 o SBC A Description 1 2 A 770849-2/770 B	0522-1 UPS boa 0522-1	B B	C	Comment	Color	Size	18 18 Twist	Length
AWC6 standard AWC7 Wird AWC8 Wird AWC9	9V to es spull 5V to es spull	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 / from power supply to A Description 1 2 A B 770849-2/770 o SBC A Description 1 2 A 770849-2/770 B	0522-1 UPS boa 0522-1	B B	C	Comment	Color	Size	18 18 Twist	Length
AWC6 standard AWC7 Wird AWC8 Wird AWC9	9V to es spull 5V to es spull 12 V	cable Rj-45 o media converter A Description 1 2 A B 770849-2/770 / from power supply to A Description 1 2 A B 770849-2/770 o SBC A Description 1 2 A 770849-2/770 B	0522-1 UPS boa 0522-1	B B B	C	Comment Comment	Color	Size	Twist	Length

A A II C O	2						
spu	A 770849-2/770522-1						
П	В						
AWC11 SE	BC reset (goes between the uCntrlr boar	d and SBC)					
	A Description	В	Comment	Color	Size	Twist	Length
	1 power			green			
	2 ground			black			
Wires	3 reset			red			
	4 N/C						
	5 N/C						
Ends	A WM2803-ND/WM62510-ND	1x5 100m	il connector o	n ucntrlr card	(50-57-9	005/16-02-0	102)
	B WM2803-ND/WM62510-ND	1x5 100m	il connector o	n SBC	(50-57-9	005/16-02-0	102)
AWC12 ele	ectronics on/off (between uCntrlr board a	and power m	anagement b	oard)			
AWC12 ele	ectronics on/off (between uCntrlr board a A Description	and power m B	anagement b Comment	oard) Color	Size	Twist	Length
AWC12 ele	•	•		•	Size	Twist	Length
AWC12 ele	A Description	•		•	Size	Twist	Length
Wires	A Description 1 battery voltage /3	•		Color	Size	Twist	Length
Wires	A Description 1 battery voltage /3 2 ground	•		Color	Size	Twist	Length
	A Description 1 battery voltage /3 2 ground 3 electronics on/off	•		Color	Size	Twist	Length
Wires	A Description 1 battery voltage /3 2 ground 3 electronics on/off A 1x3 0.100" unpolarized	В	Comment	Color black	Size	Twist	Length