Eront o	nd wire cohodule							
	nd wire schedule							
	nce ELMCOverview.vsd							
	nce datasheet-PAX.doc							
Referen	nce: PAXschematic.sch 29-Jun-06							
	29-3011-06							
EM/C4	Incide DAY how sees to D	AV hav s	TCO					
	Inside PAX-box case to P			Color	C:	Turint	l anamala	
A	<b>Description</b> GND	B, C	Comment	Color black	Size	Twist Z	Length	14
		B1				Z		
	+5 (OTXTEC)	B2		red		Y		14
	GND	B3		black		Y		14
	+6 (OTXlaser/PAM)	B4		gray		Y		14
	GNDsense	B5		black				14
	+6sense	B6		gray				14
	+5sense	B7		red				14
	-6sense	B8		blue				14
	+5 (OTXTEC)	B9		red		X		14
	GND	B10		black		X		14
	-6 (OTX/PAM)	B11		blue		W		14
	GND	B12		black		W		14
	GND	B13		black				12
LM35	T	B14		white				12
LM35	+5 V out to T	B15		red				12
	TEC power	C2		black	20			12
	PAX thermistor	C3		blue	24			12
	Heat sink thermistor	C4		white	24			12
	Airstream thermistor	C5		green	24	S		12
	TEC power	C6		red	20			12
	PAX thermistor	C7		blue	24	U		12
	Heat sink thermistor	C8		white	24			12
U	Airstream thermistor	C9		green	24	S		12
Α	Trim trio			sockets S	C24ML	1D70		
В	D15S							-
С	D9S							-
								-
FWC2	Inside PAX-case from bra	cket to T	EC/thermiste	ors				
Α	Description	В	Comment	Color	Size	Twist	Length	
1	N/C							
	TEC power			black	20			
3	PAX thermistor			blue	24			
	Heat sink thermistor			white	24	Υ		
5	Airstream thermistor			green	24	X		
6	TEC power			red	20			
	PAX thermistor			blue	24	Z		
8	Heat sink thermistor			white	24			
	Airstream thermistor			green	24			
Α	D9P							
В	hardware							
	L	L	I .	1	1		1	

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	Inside PAX-box from D15						
Α	Description	В	Comment	Color	Size	Twist	Length
1	GND	15		black		Z	
2	+5 (OTXTEC)	13		red		Z	
	GND	11		black		Υ	
	+6 (OTXlaser/PAM)	9		gray		Y	
	GNDsense	7		black			
	+6sense	5		gray			
	+5sense	3		red			6 5/8
	-6sense	1		blue			(wire length)
	+5 (OTXTEC)	16		red		Χ	(wire length)
	GND	14		black		X	
	-6 (OTX/PAM)	12		blue		W	
	GND	10		black		W	
	GND	8		black		V	
14				white		V	
		6				V	
	+5 V out to T	4		red			
	D15P		56-711-015		Contro	DI	
В	16pin 0.100 keyed		102387-3	AMP			
	NOTE: JAMECO NUMBE	ERS CON	NECTOR D	IFFEREN	LY TH	IAN ABO	DVE
	Inside PAX-box to D25 or			1		1	
	Description	В	Comment	Color	Size		Length (")
	GND	1		black		Z	
	Vdrain Y	3		brown		Z	
	GND	5		black		Z	
	NC	7					
	NC	9					
	Vgate X		ferrite bead	yellow		Υ	
	GND	13		black		Υ	
	GND	15		black		X	2 5/8
9	Vdrain X	17		brown		X	(wire length)
10	NC	19					
11	NC						
12	NC						
13	NC						
14	Vminus Y	2		blue		W	
15	GND	4		black		W	
16	GND	6		black		U	
	Vgate Y		ferrite bead			U	
	NČ	10					
	NC	12					
	GND	14		black		Т	
	Vminus X	16		blue		Т	
	NC	18					
	NC	20					
	NC						
	NC						
	D25S		56-726-005	Spectrum	Contro	ol .	
	20pin 0.100 keyed		102387-4	AMP	331111		
	Zopin o. 100 keyeu		102001-4	, (1411			
	NOTE: JAMECO NUMBI	ERS COM	NNECTOR D	IEEERENI	ГІ У ТЬ	ΙΔΝ ΔΡΛ	)/F
	INOTE. UNIVIDED INDIVIDE	_1\0 001	111EOTON D	II I LIXLIN		, (14 ADC	<b>, v</b> ∟
				1	1	1	

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FWP3	Inside PAX-box from cont	rol board	to channel	(			
Α	Description	В	Comment	Color	Size	Twist	Length
1	+5VDC PAM	1		red			
2	GND PAM	3		black			
	+5VDC TEC	5		yellow			
4	GND TEC	7		black			
	DET PAM	9		white			
6	CLOCK PAM	11		yellow			
7	LOAD PAM	13		green			4 3/8
	NC						(wire length)
	GND PAM	2		black			
	+5VDC OTX	4		red			
	GND OTX	6		black			
	-5VDC PAM/OTX	8		blue			
	GND PAM	10		black			
	DATA PAM	12		white			
15	NC						
Α	D15S		56-716-003	Spectrum	Contro	l	
В	16pin 0.100 keyed		102387-3	AMP			
	NOTE: JAMECO NUMBE	ERS CON	NECTOR D	IFFEREN1	LY TH	an abc	DVE
FWP4	Inside PAX-box from cont	ral board					
Α		1			,		
	Description	В	Comment	Color	Size	Twist	Length
1	<b>Description</b> +5VDC PAM	<b>B</b>		Color red	Size	Twist	Length
1 2	Description +5VDC PAM GND PAM	<b>B</b> 1 3		red black	Size	Twist	Length
1 2 3	Description +5VDC PAM GND PAM +5VDC TEC	B 1 3 5		red black yellow	Size	Twist	Length
1 2 3 4	Description +5VDC PAM GND PAM +5VDC TEC GND TEC	B 1 3 5 7		red black yellow black	Size	Twist	Length
1 2 3 4 5	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM	B 1 3 5 7 9		red black yellow black white	Size	Twist	Length
1 2 3 4 5 6	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM CLOCK PAM	B 1 3 5 7 9 11		red black yellow black white yellow	Size	Twist	
1 2 3 4 5 6 7	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM CLOCK PAM LOAD PAM	B 1 3 5 7 9		red black yellow black white	Size	Twist	4 3/8
1 2 3 4 5 6 7	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM CLOCK PAM LOAD PAM NC	B 1 3 5 7 9 11 13		red black yellow black white yellow green	Size	Twist	
1 2 3 4 5 6 7 8	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM CLOCK PAM LOAD PAM NC GND PAM	B 1 3 5 7 9 11 13 2		red black yellow black white yellow green black	Size	Twist	4 3/8
1 2 3 4 5 6 7 8 9	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM CLOCK PAM LOAD PAM NC GND PAM +5VDC OTX	B 1 3 5 7 9 11 13 2 4		red black yellow black white yellow green black red	Size	Twist	4 3/8
1 2 3 4 5 6 7 8 9 10	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM CLOCK PAM LOAD PAM NC GND PAM +5VDC OTX GND OTX	B 1 3 5 7 9 11 13 2 4 6 6		red black yellow black white yellow green black red black	Size	Twist	4 3/8
1 2 3 4 5 6 7 8 9 10 11	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM CLOCK PAM LOAD PAM NC GND PAM +5VDC OTX GND OTX -5VDC PAM/OTX	B 1 3 5 7 9 11 13 2 4 6 8 8		red black yellow black white yellow green black red black blue	Size	Twist	4 3/8
1 2 3 4 5 6 7 8 9 10 11 12	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM CLOCK PAM LOAD PAM NC GND PAM +5VDC OTX GND OTX -5VDC PAM/OTX GND PAM	B 1 3 5 7 9 11 13 2 4 6 8 10		red black yellow black white yellow green black red black blue black	Size	Twist	4 3/8
1 2 3 4 5 6 7 8 9 10 11 12 13	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM CLOCK PAM LOAD PAM NC GND PAM +5VDC OTX GND OTX -5VDC PAM/OTX GND PAM DATA PAM	B 1 3 5 7 9 11 13 2 4 6 8 8		red black yellow black white yellow green black red black blue	Size	Twist	4 3/8
1 2 3 4 5 6 7 8 9 10 11 12 13	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM CLOCK PAM LOAD PAM NC GND PAM +5VDC OTX GND OTX -5VDC PAM/OTX GND PAM	B 1 3 5 7 9 11 13 2 4 6 8 10	Comment	red black yellow black white yellow green black red black blue black white			4 3/8
1 2 3 4 5 6 7 8 9 10 11 12 13	Description +5VDC PAM GND PAM +5VDC TEC GND TEC DET PAM CLOCK PAM LOAD PAM NC GND PAM +5VDC OTX GND OTX -5VDC PAM/OTX GND PAM DATA PAM	B 1 3 5 7 9 11 13 2 4 6 8 10		red black yellow black white yellow green black red black blue black white			4 3/8

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