## +++frontendWiring+++

Front-	end wire	e schedule									
Refere	nce ELN	MCOverview.vsd									
Refere	nce data	asheet-PAX.doc									
Refere	nce: PA	Xschematic.sch									
		3-May-06									
FWC1											
	Α	Description	В	Comment	Color	Size	Twist	Length			
FWP1	Inside PAX-box from D15 input power										
	A	Description	B	Comment	Color	Size	Twist	Length			
		GND	15	Comment	black	SIZE	Z	Lengui			
		+5 (OTXTEC)	13		red		Z				
		GND	11		black		Y				
		+6 (OTXlaser/PAM)	9		gray		Y				
		GNDsense	7		black						
	6	+6sense	5		gray						
	7	+5sense	3		red			6 5/8			
	8	-6sense	1		blue			(wire length)			
	9	+5 (OTXTEC)	16		red		Х				
		GND	14		black		X				
		-6 (OTX/PAM)	12		purple		W				
		GND	10		black		W				
		GND	8		black		V				
	14		6		white		V				
		+5 V out to T	4		red						
		D15P		56-711-015		Control					
	В	16pin 0.100 keyed		102387-3	AMP						
		NOTE INNECCALIN	IDED C	CONNECTO	D DIEEEDS	NIT! \/ T! ! ^	NI ABOVE				
		NOTE: JAMECO NUMBERS CONNECTOR DIFFERENTLY THAN ABOVE									

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1 2 3 4	PAX-box to D25 output Description GND Vdrain Y	LNA po B	Comment	Color	Size	Twist	Length (")
1 2 3 4	GND Vdrain Y				Size		Length (")
2 3 4	Vdrain Y	1					
3 4				black		Z	
4		3		brown		Z	
	GND	5		black		Z	
5	NC	7					
	NC	9					
6	Vgate X	11	ferrite bead	yellow		Υ	
	GND	13		black		Υ	
	GND	15		black		X	2 5/8
	Vdrain X	17		brown		X	(wire length
		19		BIOWII			(Wire length
		13					
							_
		_		LL		10/	
				yellow		U	
		12					
20	GND	14		black		Т	
21	Vminus X	16		blue		Т	
22	NC	18					
23	NC	20					
			56-726-005	Spectrum	Control		
	Zopiii o. 100 keyed		102307 4	Zivii			
	NOTE: IAMECO NILIN	IDEDS	CONNECTO	D DIEEEDI	│ ENTI ∨ T⊔	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	_
	NOTE. JAMECO NON	IDEKS	CONNECTO	K DIFFERENTLY THAN ABOVE			_
	DAVI						
				0.1	0:		1
					Size	I WIST	Length
				,			
		7		black			
5	DET PAM	9		white			
6	CLOCK PAM	11		yellow			
		13		green			4 3/8
							(wire length
		2	1	black			,
							+
							-
		10					
	DATA PAM	12	1	white		_	
4.5	INC						1
15 <b>A</b>	D15S		56-716-003		<u> </u>		+
	11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 <b>A</b> <b>B</b> 12 3 4 5 6 7 8 9 10 11 12	nside PAX-box from control be	11 NC 12 NC 13 NC 14 Vminus Y 2 15 GND 4 16 GND 6 17 Vgate Y 8 18 NC 10 19 NC 20 GND 14 21 Vminus X 16 22 NC 23 NC 24 NC 25 NC A D25S B 20pin 0.100 keyed  NOTE: JAMECO NUMBERS  Description NOTE: JAMECO NUMBERS  Description S DEST PAM 3 +5VDC TEC 4 GND TEC 5 DET PAM 9 G CLOCK PAM 11 7 LOAD PAM 13 8 NC 9 GND PAM 2 GND PAM 13 8 NC 9 GND PAM 2 GND PAM 13 8 NC 9 GND PAM 2 GND PAM 13 8 NC 9 GND PAM 2 TOAD PAM 14 15 CLOCK PAM 15 CLOCK PAM 16 CLOCK PAM 17 LOAD PAM 18 NC 19 GND PAM 20 GND PAM 21 TOAD PAM 21 TOAD PAM 22 TOAD PAM 33 TOAD PAM 4 TOAD PAM 4 TOAD PAM 5 TOAD PAM 5 TOAD PAM 6 CLOCK PAM 7 LOAD PAM 7 LOAD PAM 7 LOAD PAM 8 NC 9 GND PAM 9 GND PAM 13 TOAD PAM 14 TOAD PAM 15 TOAD PAM 16 TOAD PAM 17 LOAD PAM 18 NC 19 GND PAM 19 GND PAM 19 GND PAM 10 TOAD PAM 11 GND OTX 11 GND OTX 11 GND OTX 12 TOAD PAM/OTX 12 TOAD PAM/OTX 14 TOAD PAM/OTX 15 TOAD PAM/OTX 16 TOAD PAM/OTX 17 TOAD PAM/OTX 18 TOAD PAM/OTX	11 NC         12 NC         13 NC         14 Vminus Y       2         15 GND       4         16 GND       6         17 Vgate Y       8 ferrite bead         18 NC       10         19 NC       12         20 GND       14         21 Vminus X       16         22 NC       18         23 NC       20         24 NC       20         24 NC       20         24 NC       20         24 NC       102387-4         NOTE: JAMECO NUMBERS CONNECTO         nside PAX-box from control board to channel X         Description       B       Comment         1 +5VDC PAM       1         2 GND PAM       3         3 +5VDC TEC       5         4 GND TEC       7         5 DET PAM       9         6 CLOCK PAM       11         7 LOAD PAM       13         8 NC       9         9 GND PAM       2         10 +5VDC OTX       4         11 GND OTX       6         12 -5VDC PAM/OTX       8	11 NC         blue           12 NC         blue           13 NC         blue           14 Vminus Y         blue           15 GND         black           16 GND         black           17 Vgate Y         8 ferrite bead           18 NC         10           19 NC         12           20 GND         14 black           21 Vminus X         16 blue           22 NC         18           23 NC         20           24 NC         20           25 NC         56-726-005 Spectrum           B 20pin 0.100 keyed         102387-4 AMP           NOTE: JAMECO NUMBERS CONNECTOR DIFFERI           NSIDE PAX-box from control board to channel X           A Description         B Comment         Color           1 +5VDC PAM         1         red           2 GND PAM         3         black           3 +5VDC TEC         5         yellow           4 GND TEC         7         black           5 DET PAM         9         white           6 CLOCK PAM         11         yellow           7 LOAD PAM         13         green           8 NC         9         GND PAM <td>  11</td> <td>  11 NC</td>	11	11 NC

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		NOTE: JAMECO NUM	<b>IBERS</b>	CONNECTO	R DIFFER	RENTLY TH	IAN ABOVE	Ξ		
FWP4		PAX-box from control board to channel Y								
	Α	Description	В	Comment	Color	Size	Twist	Length		
		+5VDC PAM	1		red					
		GND PAM	3		black					
		+5VDC TEC	5		yellow					
		GND TEC	7		black					
		DET PAM	9		white					
		CLOCK PAM	11		yellow					
		LOAD PAM	13		green			4 3/8		
		NC						(wire length)		
	9	GND PAM	2		black					
	10	+5VDC OTX	4		red					
	11	GND OTX	6		black					
	12	-5VDC PAM/OTX	8		blue					
	13	GND PAM	10		black					
	14	DATA PAM	12		white					
	15	NC								
	Α	D15S		56-716-003	Spectrum Control					
	В	16pin 0.100 keyed		102387-3	AMP					
		,								
FWP5	Inside	de PAX-box from wall to channel X								
	Α	Description	В	Comment	Color	Size	Twist	Length		
FWP6	Inside PAX-box from wall to channel Y									
	Α	Description	В	Comment	Color	Size	Twist	Length		
	-		-					33		

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