Front-end wire schedule

Reference ELMCOverview.vsd

Reference datasheet-PAX.doc

Reference: PAXschematic.sch

3-May-06

FWC1	Inside PAX-box case to PAX box and TEC							
	A	**Description**	**B**	**Comment**	**Color**	**Size**	**Twist**	**Length**

FWP1	Inside PAX-box from D15 input power							
	A	**Description**	**B**	**Comment**	**Color**	**Size**	**Twist**	**Length**
	1	GND	15		black		Z	
	2	+5 (OTXTEC)	13		red		Z	
	3	GND	11		black		Y	
	4	+6 (OTXlaser/PAM)	9		gray		Y	
	5	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		X	
	10	GND	14		black		X	
	11	-6 (OTX/PAM)	12		purple		W	
	12	GND	10		black		W	
	13	GND	8		black		V	
	14	T	6		white		V	
	15	+5 V out to T	4		red			
	A	D15P		56-711-015	Spectrum Control			
	B	16pin 0.100 keyed		102387-3	AMP			
		NOTE: JAMECO NUMBERS CONNECTOR DIFFERENTLY THAN ABOVE						

FWP2	Inside PAX-box to D25 output LNA power							
	A	Description	B	Comment	Color	Size	Twist	Length (")
	1	GND	1		black		Z	
	2	Vdrain Y	3		brown		Z	
	3	GND	5		black		Z	
	4	NC	7					
	5	NC	9					
	6	Vgate X	11	ferrite bead	yellow		Y	
	7	GND	13		black		Y	
	8	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	
	17	Vgate Y	8	ferrite bead	yellow		U	
	18	NC	10					
	19	NC	12					
	20	GND	14		black		T	
	21	Vminus X	16		blue		T	
	22	NC	18					
	23	NC	20					
	24	NC						
	25	NC						
	A	D25S		56-726-005	Spectrum Control			
	B	20pin 0.100 keyed		102387-4	AMP			
		NOTE: JAMECO NUMBERS CONNECTOR DIFFERENTLY THAN ABOVE						
FWP3	Inside PAX-box from control board to channel X							
	A	Description	B	Comment	Color	Size	Twist	Length
	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			4 3/8
	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						
	A	D15S		56-716-003	Spectrum Control			
	B	16pin 0.100 keyed		102387-3	AMP			

		NOTE: JAMECO NUMBERS CONNECTOR DIFFERENTLY THAN ABOVE						
FWP4		Inside PAX-box from control board to channel Y						
	A	**Description**	**B**	**Comment**	**Color**	**Size**	**Twist**	**Length**
	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			4 3/8
	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						
	A	D15S		56-716-003	Spectrum Control			
	B	16pin 0.100 keyed		102387-3	AMP			
FWP5		Inside PAX-box from wall to channel X						
	A	**Description**	**B**	**Comment**	**Color**	**Size**	**Twist**	**Length**
FWP6		Inside PAX-box from wall to channel Y						
	A	**Description**	**B**	**Comment**	**Color**	**Size**	**Twist**	**Length**