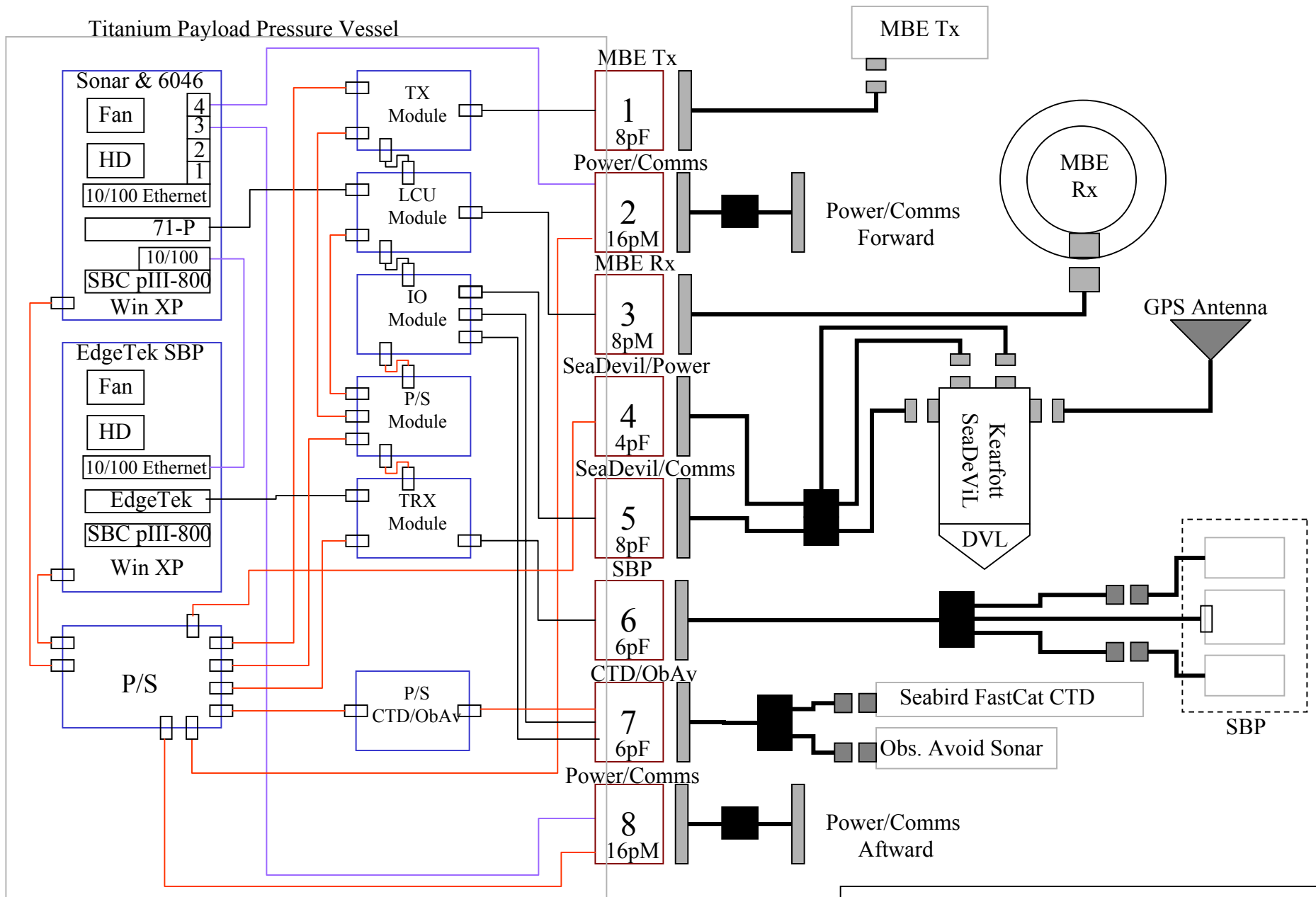


MultiBeam Payload Diagram



Multibeam Connector Pinouts

1 FCR 1508F MBE Tx			2 MHDL-16-FCR Power/Comms FWD			4 FCR 1504F SeaDeViL Power			8 MHDL-16-FCR Power/Comms Aft		
Pin	AWG	Signal	Pin	AWG	Signal	Pin	AWG	Signal	Pin	AWG	Signal
1	22	CFG +	1	22	Ethernet RJ45 Pin1	1	20	Batt Bus 0V	1	22	Ethernet RJ45 Pin1
2	22	CFG -	2	22	Ethernet RJ45 Pin2	2	20	Batt Bus +V	2	22	Ethernet RJ45 Pin2
3	22	(Ctrl +) N/C	3	22	Ethernet RJ45 Pin 3	3	20	Batt Bus 0V	3	22	Ethernet RJ45 Pin 3
4	22	(Ctrl -) N/C	4	22	Ethernet RJ45 Pin4	4	20	Batt Bus +V	4	22	Ethernet RJ45 Pin4
5	22	TXL +	5	22	Leak				5	22	Leak
6	22	TXL -	6	22	Leak				6	22	Leak
7	22	TXH +	7	22	NC				7	22	NC
8	22	TXH -	8	22	NC				8	22	NC
			9	22	NC				9	22	NC
			10	22	NC				10	22	NC
			11	22	Shutdown/Reset In				11	22	Shutdown/Reset In
			12	22	Shield/Chassis				12	22	Shield/Chassis
			13	20	Batt Bus 0V				13	20	Batt Bus 0V
			14	20	Batt Bus +V				14	20	Batt Bus +V
			15	20	Batt Bus 0V				15	20	Batt Bus 0V
			16	20	Batt Bus +V				16	20	Batt Bus +V
3 FCR1508M MBE Rx			6 FCR 1506F SBP			7 FCR 1506F CTD/ObsAvd					
Pin	AWG	Signal	Pin	AWG	Signal	Pin	AWG	Signal	Pin	AWG	Signal
1	22	LNK1A +	1	22	Shield	1	22	Iso +12V			
2	22	LNK1A -	2	22	TX +	2	22	Iso +12V Rtn			
3	22	LNK1B +	3	22	TX -	3	22	CTD RS232 Tx			
4	22	LNK1B -	4	22	RX +	4	22	CTD RS232 Rx			
5	22	+12V	5	22	RX -	5	22	Obs. Avoid Sonar RS232 TX			
6	22	COM	6	22	RX Shield	6	22	Obs. Avoid Sonar RS232 RX			
7	22	+12V									
8	22	COM									