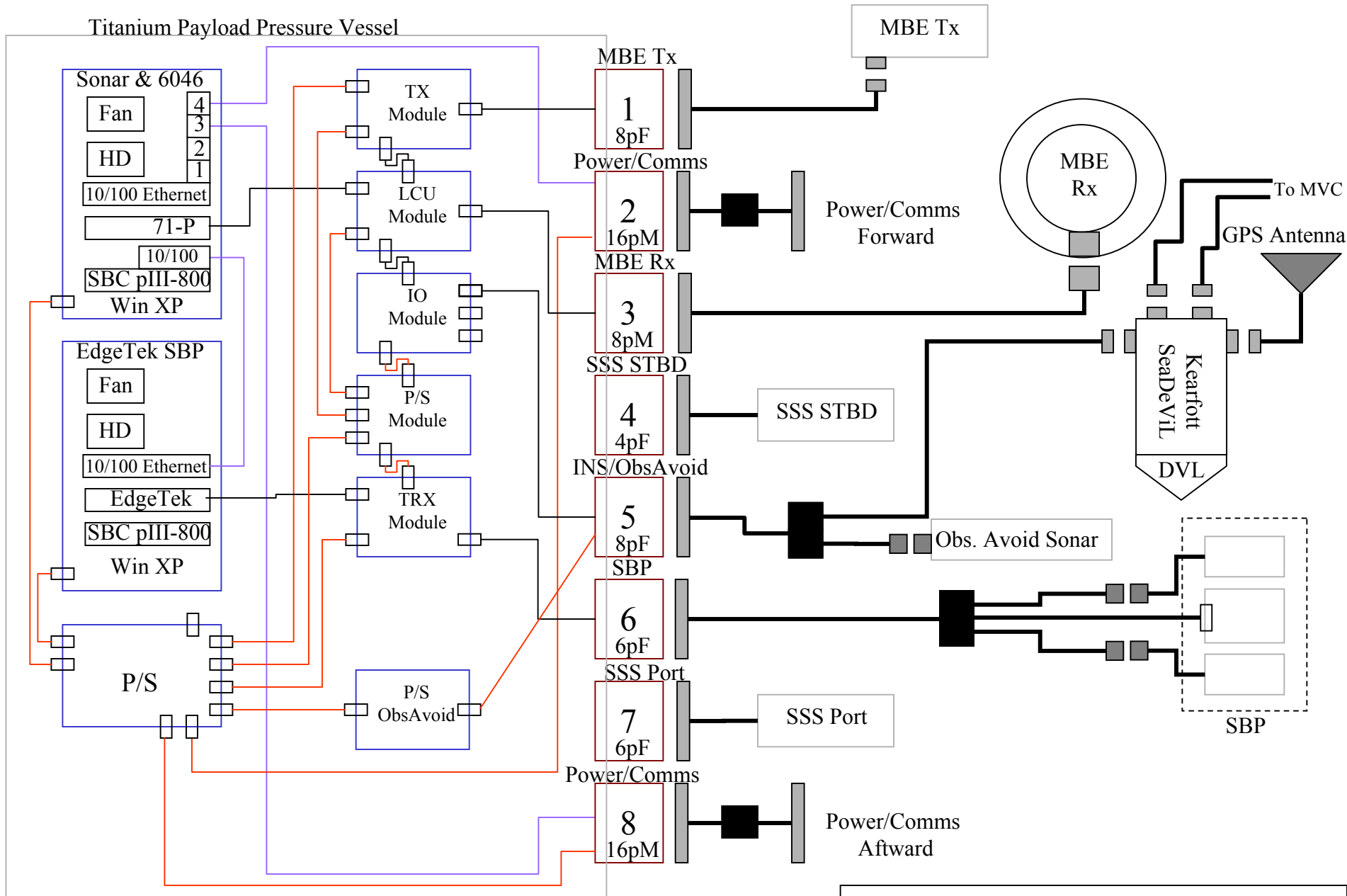


MultiBeam Payload Diagram



Multibeam Connector Pinouts

1 FCR 1508F MBE Tx			3 FCR1508M MBE Rx			6 FCR 1506F SBP		
Pin	AWG	Signal	Pin	AWG	Signal	Pin	AWG	Signal
1	22	CFG +	1	22	DATA +	1	22	Shield
2	22	CFG -	2	22	DATA -	2	22	TX +
3	22	(Ctrl +) N/C	3	22	CTRL +	3	22	TX -
4	22	(Ctrl -) N/C	4	22	CTRL -	4	22	RX +
5	22	TXL +	5	22	+ 5V	5	22	RX -
6	22	TXL -	6	22	- 5V	6	22	RX Shield
7	22	TXH +	7	22	SENSE			
8	22	TXH -	8	22	COM			
						7 FCR 1505F SSS Port		
Pin	AWG	Signal	Pin	AWG	Signal	Pin	AWG	Signal
1	22	Ethernet RJ45 Pin1	1	22	Shield	1	22	Shield
2	22	Ethernet RJ45 Pin2	2	22	HF +	2	22	HF +
3	22	Ethernet RJ45 Pin3	3	22	HF -	3	22	HF -
4	22	Ethernet RJ45 Pin6	4	22	LF +	4	22	LF +
5	22	Leak	5	22	LF -	5	22	LF -
6	22	Leak						
7	22	NC	5 FCR 1509F SeaDeViL/ObsAvoid Comms			8 MHDL-16-FCR Power/Comms Aft		
8	22	NC	Pin	AWG	Signal	Pin	AWG	Signal
9	22	NC	1	22	INS RS232 TX to 6046	1	22	Ethernet RJ45 Pin1
10	22	NC	2	22	INS RS232 RX from 6046	2	22	Ethernet RJ45 Pin2
11	22	Shutdown/Reset In	3	22	INS/GPS PPS Out	3	22	Ethernet RJ45 Pin3
12	22	Shield/Chassis	4	22	DVL Trigger	4	22	Ethernet RJ45 Pin6
13	20	Batt Bus 0V	5	22	INS/GPS/DVL Gnd	5	22	Leak
14	20	Batt Bus +V	6	22	Obs Avoid Sonar Iso +12V	6	22	Leak
15	20	Batt Bus +V	7	22	Obs Avoid Sonar Iso +12V Rtn	7	22	NC
16	20	Batt Bus 0V	8	22	Obs Avoid Sonar RS232 Tx	8	22	NC
			9	22	Obs Avoid Sonar RS232 Rx	9	22	NC
						10	22	NC
						11	22	Shutdown/Reset In
						12	22	Shield/Chassis
						13	20	Batt Bus 0V
						14	20	Batt Bus +V
						15	20	Batt Bus +V
						16	20	Batt Bus 0V