



X2000 Electrical Connections

Table 1
System Interface Connector
JP6 – 16 Pin Header, 3M 2516-6002UB or equivalent
Mates with Molex 22-55-3161 housing with 16-02-0104 terminals

Top View

+12 Volts	1	2	Ground
-12 Volts	3	4	Ground
Ground	5	6	+5 Volts
RS232 RXD	7	8	RTS (not used)
Analog Ground	9	10	Analog Output
Reset_L	11	12	CMOS RXD
CMOS CTS	13	14	CMOS TXD
RS232 CTS	15	16	RS232 TXD

Table 2
Test Point Connector
JP5 -- 8 Pin Dual Row Header

Top View

Ground	1	2	Cell Heat, TEC, Laser Disable
Ground	3	4	Laser Modulation Test Point
Ground	5	6	Absorption Test Point
Ground	7	8	Scope Trigger Test Point

Table 3
CO2 Analog Output Connector
CO2 Board JP3 -- 2 Pin Molex Header

Top View

Output	1	0.1 to 1.1 volts for 0 to 10% CO2
Ground	2	CO2 Signal Ground