

Primary PDB

Connector	Voltage	Available Current	Client Command	Intended Function	Pin	Pin Description
AJ1	24V Raw	5A	11	Laser Heat	1	18-36Vout
					2	GND
					3	N/C
BJ1	24V Raw	5A	12	PTC Camera	1	18-36Vout
					2	GND
					3	N/C
ZJ10	24V Regulated	1A	n/a	CAN 2	1	24Vout
	24V Regulated	1A	n/a	CAN 3	2	24Vout
	24V Regulated	2A	8	FAN (high current)	3	24Vout
	24V Regulated	1A	9	LASER1	4	24Vout
	24V Regulated	1A	10	PTU1	5	24Vout
					6	GND
					7	GND
					8	GND
					9	GND
					10	GND
ZJ11	12V Regulated	2A	4	PoE 12v	1	12Vout
	12V Regulated	2A	5	Ethernet Switch	2	12Vout
	12V Regulated	2A	6	GPS	3	12Vout
	12V Regulated	2A	7	Available	4	12Vout
					5	GND
					6	GND
					7	GND
					8	GND
ZJ9	5V Regulated	2A	2	Available	1	5Vout
		2A	3	Available	2	5Vout
					3	GND
					4	GND
UJ1	5V Regulated	2A	n/a	Main Controller	1	5Vout
					2	GND
WJ1	5V Regulated		n/a	Computer 0	1	CompHD5V
					2	N/C
					3	N/C
					4	GND
WJ2	5V Regulated	8A (total for WJ1+WJ2)	n/a	Computer 0	1	GND
	12V Regulated	2A			2	GND
					3	GND
					4	CompHD12V
					5	N/C
					6	N/C
					7	CompHD5V
					8	CompHD5V
					9	N/C
					10	GND
XJ1	5V Regulated		0	Computer 1	1	CompHD5V
					2	N/C
					3	N/C
					4	GND
XJ2	5V Regulated	8A (total for XJ1+XJ2)	0	Computer 1	1	GND
	12V Regulated	2A			2	GND
					3	GND
					4	CompHD12V
					5	N/C
					6	N/C
					7	CompHD5V
					8	CompHD5V
					9	N/C
					10	GND
YJ1	5V Regulated		1	Computer 2	1	CompHD5V
					2	N/C
					3	N/C
					4	GND
YJ2	5V Regulated	8A (total for YJ1+YJ2)	1	Computer 2	1	GND
	12V Regulated	2A			2	GND
					3	GND
					4	CompHD12V
					5	N/C
					6	N/C
					7	CompHD5V
					8	CompHD5V
					9	N/C
					10	GND

OPTIONAL SECONDARY PDB

Connector	Voltage	Available Current	Client Command	Intended Function	Pin	Pin Description
AJ1	24V Raw	5A	27	LASER2 HEAT	1	18-36Vout
					2	GND
					3	N/C
BJ1	24V Raw	5A	28	Available	1	18-36Vout
					2	GND
					3	N/C
ZJ10	24V Regulated	1A	22	PTU 2	1	24Vout
	24V Regulated	1A	23	PTU 3	2	24Vout
	24V Regulated	2A	24	LASER2	3	24Vout
	24V Regulated	1A	25	Available	4	24Vout
	24V Regulated	1A	26	Available	5	24Vout
					6	GND
					7	GND
					8	GND
					9	GND
					10	GND
ZJ11	12V Regulated	2A	18	Available	1	12Vout
	12V Regulated	2A	19	Available	2	12Vout
	12V Regulated	2A	20	Available	3	12Vout
	12V Regulated	2A	21	Available	4	12Vout
					5	GND
					6	GND
					7	GND
					8	GND
ZJ9	5V Regulated	2A	16	Available	1	5Vout
		2A	17	Available	2	5Vout
					3	GND
					4	GND
UJ1	5V Regulated	2A	ALWAYS ON	Available	1	5Vout
					2	GND
WJ1	5V Regulated		13	Computer 3	1	CompHD5V
					2	N/C
					3	N/C
					4	GND
WJ2	5V Regulated	8A (total for WJ1+WJ2)	13	Computer 3	1	GND
	12V Regulated				2	GND
		2A			3	GND
					4	CompHD12V
					5	N/C
					6	N/C
					7	CompHD5V
					8	CompHD5V
					9	N/C
					10	GND
XJ1	5V Regulated		14	Computer 4	1	CompHD5V
					2	N/C
					3	N/C
					4	GND
XJ2	5V Regulated	8A (total for XJ1+XJ2)	14	Computer 4	1	GND
	12V Regulated				2	GND
		2A			3	GND
					4	CompHD12V
					5	N/C
					6	N/C
					7	CompHD5V
					8	CompHD5V
					9	N/C
					10	GND
YJ1	5V Regulated		15	Computer 5	1	CompHD5V
					2	N/C
					3	N/C
					4	GND
YJ2	5V Regulated	8A (total for YJ1+YJ2)	15	Computer 5	1	GND
	12V Regulated				2	GND
		2A			3	GND
					4	CompHD12V
					5	N/C
					6	N/C
					7	CompHD5V
					8	CompHD5V
					9	N/C
					10	GND