## Primary PDB

Primary PDB								
	r 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		
					_ ĭ	14.0		
D 11	24V Raw	5A	12	PTC Camera	1	18-36Vout		
BJ1	24 V Raw	ЭA	12	PTC Calliela	2	GND		
	_		1		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		
	24 V Regulateu	IA	10	FIUI		GND		
					6			
					7	GND		
					8	GND		
					9	GND		
					10	GND		
ZJ11	12V Regulated	2A	4	PoE 12v	1	12Vout		
2011	12V Regulated	2A	5	Ethernet Switch	2	12Vout		
		2A		GPS				
	12V Regulated		6		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		
LJA	ov Regulated	2A 2A	3					
		ZA.	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		
WJI	ov Regulateu		II/a	Computer 0				
					2	N/C		
					3	N/C		
					4	GND		
					ļ			
WJ2	5V Regulated	8A (total for WJ1+WJ2)	n/a	Computer 0	1	GND		
WJ2	5V Regulated 12V Regulated	8A (total for WJ1+WJ2) 2A	n/a	Computer 0	1 2	GND GND		
WJ2	5V Regulated 12V Regulated	8A (total for WJ1+WJ2) 2A	n/a	Computer 0	2	GND		
WJ2			n/a	Computer 0	2	GND GND		
WJ2			n/a	Computer 0	2 3 4	GND GND CompHD12V		
WJ2			n/a	Computer 0	2 3 4 5	GND GND CompHD12V N/C		
WJ2			n/a	Computer 0	2 3 4 5 6	GND GND CompHD12V N/C N/C		
WJ2			n/a	Computer 0	2 3 4 5 6 7	GND GND CompHD12V N/C N/C CompHD5V		
WJ2			n/a	Computer 0	2 3 4 5 6 7 8	GND GND CompHD12V N/C N/C CompHD5V CompHD5V		
WJ2			n/a	Computer 0	2 3 4 5 6 7	GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C		
WJ2			n/a	Computer 0	2 3 4 5 6 7 8	GND GND CompHD12V N/C N/C CompHD5V CompHD5V		
WJ2			n/a	Computer 0	2 3 4 5 6 7 8 9	GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C		
	12V Regulated				2 3 4 5 6 7 8 9	GND GND CompHD12V N/C N/C N/C CompHD5V CompHD5V N/C GMD		
WJ2 XJ1			n/a	Computer 0  Computer 1	2 3 4 5 6 7 8 9 10	GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GMD GND CompHD5V		
	12V Regulated				2 3 4 5 6 7 8 9 10	GND GND CompHD12V N/C N/C N/C CompHD5V N/C GND CompHD5V N/C GND CompHD5V N/C N/C		
	12V Regulated				2 3 4 5 6 7 8 9 10	GND GND GND CompHD12V N/C N/C N/C CompHD5V CompHD5V N/C GND GND CompHD5V N/C CMDHD5V N/C CMDHD5V N/C N/C N/C N/C		
	12V Regulated				2 3 4 5 6 7 8 9 10	GND GND CompHD12V N/C N/C N/C CompHD5V N/C GND CompHD5V N/C GND CompHD5V N/C N/C		
XJ1	12V Regulated  5V Regulated	2A	0	Computer 1	2 3 4 5 6 7 8 9 10	GND GND CompHD12V N/C N/C CompHD5V N/C GND CompHD5V N/C GND CompHD5V N/C GND CompHD5V N/C GND		
	12V Regulated  5V Regulated  5V Regulated	2A  8A (total for XJ1+XJ2)			2 3 4 5 6 7 8 9 10 1 2 3 4	GND GND GND CompHD12V N/C N/C N/C CompHD5V CompHD5V N/C CompHD5V N/C GND GND GND GND		
XJ1	12V Regulated  5V Regulated	2A	0	Computer 1	2 3 4 5 6 7 8 9 10 11 2 3 4	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GMD CompHD5V N/C GND CompHD5V N/C GND GND GND		
XJ1	12V Regulated  5V Regulated  5V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1	2 3 4 5 6 7 8 9 10 11 2 3 4	GND GND GND CompHD12V N/C N/C CompHD5V N/C GND CompHD5V N/C GND GND GND GND GND GND GND		
XJ1	12V Regulated  5V Regulated  5V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1	2 3 4 5 6 7 8 9 10 1 2 3 4	GND GND GND CompHD12V N/C N/C N/C CompHD5V CompHD5V N/C GND		
XJ1	12V Regulated  5V Regulated  5V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1	2 3 4 5 6 7 8 9 10 11 2 3 4	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND CompHD5V N/C GND GND GND GND GND GND GND GND CompHD12V N/C COMPHD12V N/C N/C N/C N/C N/C N/C N/C		
XJ1	12V Regulated  5V Regulated  5V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1	2 3 4 5 6 7 8 9 10 1 2 3 4	GND GND GND CompHD12V N/C N/C N/C CompHD5V CompHD5V N/C GND		
XJ1	12V Regulated  5V Regulated  5V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1	2 3 4 5 6 7 8 9 10 1 1 2 3 4 1 2 3 4 5	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND CompHD5V N/C GND		
XJ1	12V Regulated  5V Regulated  5V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1	2 3 4 5 6 7 8 9 10 11 2 3 4 1 2 2 3 4 5 6 7 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C N/C CompHD5V N/C CompHD5V N/C GND GND GND GND GND GND GND GND CompHD12V N/C GND CompHD5V N/C GND GND GND CompHD12V N/C CompHD5V N/C CompHD5V N/C CompHD5V N/C CompHD5V N/C CompHD5V		
XJ1	12V Regulated  5V Regulated  5V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1	2 3 4 5 6 7 8 9 10 1 1 2 3 4 1 2 3 4 5 6 7 7 8 9 10 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND CompHD5V N/C GND CompHD5V N/C GND GND GND GND GND GND CompHD12V N/C COMPHD12V N/C COMPHD5V N/C COMPHD5V N/C N/C N/C N/C N/C N/C N/C N/C N/C COMPHD5V CompHD5V		
XJ1	12V Regulated  5V Regulated  5V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1	2 3 4 5 6 7 7 8 9 10 1 1 2 3 3 4 4 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND CompHD5V N/C GND		
XJ1	12V Regulated  5V Regulated  5V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1	2 3 4 5 6 7 8 9 10 1 1 2 3 4 1 2 3 4 5 6 7 7 8 9 10 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND CompHD5V N/C GND CompHD5V N/C GND GND GND GND GND GND CompHD12V N/C COMPHD12V N/C COMPHD5V N/C COMPHD5V N/C N/C N/C N/C N/C N/C N/C N/C N/C COMPHD5V CompHD5V		
XJ1	5V Regulated  5V Regulated  5V Regulated  12V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1  Computer 1	2 3 4 5 6 7 8 9 10 1 1 2 3 4 4 1 2 3 4 5 6 7 7 8 9 10 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND		
XJ1	12V Regulated  5V Regulated  5V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1	2 3 4 5 6 7 7 8 9 10 1 1 2 3 4 4 5 6 7 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND CompHD5V N/C GND CompHD5V N/C GND		
XJ1	5V Regulated  5V Regulated  5V Regulated  12V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1  Computer 1	2 3 4 5 6 7 8 9 10 1 2 3 4 5 1 2 3 4 5 6 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V N/C CompHD5V N/C CompHD5V N/C GND GND GND GND GND CompHD12V N/C GND		
XJ1	5V Regulated  5V Regulated  5V Regulated  12V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1  Computer 1	2 3 4 5 6 7 8 9 10 1 1 2 3 4 4 5 6 7 8 9 9 10 10 2 3 4 5 6 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C N/C CompHD5V CompHD5V N/C GND		
XJ1	5V Regulated  5V Regulated  5V Regulated  12V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1  Computer 1	2 3 4 5 6 7 8 9 10 1 2 3 4 5 1 2 3 4 5 6 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C CompHD5V N/C GND GND GND GND GND GND CompHD12V N/C GND		
XJ1	5V Regulated  5V Regulated  5V Regulated  12V Regulated	2A  8A (total for XJ1+XJ2)	0	Computer 1  Computer 1	2 3 4 5 6 7 8 9 10 1 1 2 3 4 4 5 6 7 8 9 9 10 10 2 3 4 5 6 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND		
XJ1  XJ2  YJ1	12V Regulated  5V Regulated  5V Regulated  12V Regulated  5V Regulated	8A (total for XJ1+XJ2) 2A	0	Computer 1  Computer 1  Computer 2	2 3 4 5 6 7 8 9 10 1 2 3 4 5 1 2 3 4 5 6 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V N/C CompHD5V N/C CompHD5V N/C GND		
XJ1	12V Regulated  5V Regulated  5V Regulated  12V Regulated  5V Regulated  5V Regulated	8A (total for XJ1+XJ2) 2A  8A (total for YJ1+YJ2)	0	Computer 1  Computer 1	2 3 4 5 6 7 8 9 10 1 2 3 4 1 2 3 4 5 6 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND		
XJ1  XJ2  YJ1	12V Regulated  5V Regulated  5V Regulated  12V Regulated  5V Regulated	8A (total for XJ1+XJ2) 2A	0	Computer 1  Computer 1  Computer 2	2 3 4 5 6 7 8 9 10 1 1 2 3 4 4 5 6 7 7 8 9 10 1 1 2 3 4 5 6 7 7 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND CompHD5V N/C GND CompHD5V N/C GND GND GND GND GND GND GND GND GND CompHD12V N/C N/C N/C N/C N/C N/C N/C N/C CompHD5V N/C CompHD5V N/C N/C GND		
XJ1  XJ2  YJ1	12V Regulated  5V Regulated  5V Regulated  12V Regulated  5V Regulated  5V Regulated	8A (total for XJ1+XJ2) 2A  8A (total for YJ1+YJ2)	0	Computer 1  Computer 1  Computer 2	2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 7 8 9 10 10 1 2 3 4 5 6 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V N/C CompHD5V N/C N/C GND GND GND GND GND GND CompHD5V N/C GND		
XJ1  XJ2  YJ1	12V Regulated  5V Regulated  5V Regulated  12V Regulated  5V Regulated  5V Regulated	8A (total for XJ1+XJ2) 2A  8A (total for YJ1+YJ2)	0	Computer 1  Computer 1  Computer 2	2 3 4 5 6 7 8 9 10 1 2 3 4 1 2 3 4 5 6 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V N/C CompHD5V N/C CompHD5V N/C GND GND GND GND GND GND CompHD5V N/C GND		
XJ1  XJ2  YJ1	12V Regulated  5V Regulated  5V Regulated  12V Regulated  5V Regulated  5V Regulated	8A (total for XJ1+XJ2) 2A  8A (total for YJ1+YJ2)	0	Computer 1  Computer 1  Computer 2	2 3 4 5 6 7 8 9 10 1 1 2 3 4 4 5 6 6 7 7 8 9 10 10 1 1 2 3 4 5 6 6 7 7 7 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND CompHD5V N/C GND GND GND GND GND GND GND GND GND CompHD5V N/C CompHD5V N/C GND		
XJ1  XJ2  YJ1	12V Regulated  5V Regulated  5V Regulated  12V Regulated  5V Regulated  5V Regulated	8A (total for XJ1+XJ2) 2A  8A (total for YJ1+YJ2)	0	Computer 1  Computer 1  Computer 2	2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 7 8 9 10 10 1 2 3 4 5 6 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V N/C CompHD5V N/C CompHD5V N/C GND		
XJ1  XJ2  YJ1	12V Regulated  5V Regulated  5V Regulated  12V Regulated  5V Regulated  5V Regulated	8A (total for XJ1+XJ2) 2A  8A (total for YJ1+YJ2)	0	Computer 1  Computer 1  Computer 2	2 3 4 5 6 7 8 9 10 1 1 2 3 4 4 5 6 6 7 7 8 9 10 10 1 1 2 3 4 5 6 6 7 7 7 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V N/C CompHD5V N/C CompHD5V N/C GND		
XJ1  XJ2  YJ1	12V Regulated  5V Regulated  5V Regulated  12V Regulated  5V Regulated  5V Regulated	8A (total for XJ1+XJ2) 2A  8A (total for YJ1+YJ2)	0	Computer 1  Computer 1  Computer 2	2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 7 8 9 10 10 1 2 3 4 5 6 7 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND CompHD5V N/C GND		
XJ1  XJ2  YJ1	12V Regulated  5V Regulated  5V Regulated  12V Regulated  5V Regulated  5V Regulated	8A (total for XJ1+XJ2) 2A  8A (total for YJ1+YJ2)	0	Computer 1  Computer 1  Computer 2	2 3 4 5 6 7 8 9 10 1 1 2 3 4 4 5 6 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND GND CompHD12V N/C N/C CompHD5V CompHD5V N/C GND CompHD5V N/C GND		
XJ1  XJ2  YJ1	12V Regulated  5V Regulated  5V Regulated  12V Regulated  5V Regulated  5V Regulated	8A (total for XJ1+XJ2) 2A  8A (total for YJ1+YJ2)	0	Computer 1  Computer 1  Computer 2	2 3 4 5 6 7 8 9 10 1 1 2 3 4 4 5 6 6 7 8 9 10 1 1 2 3 4 4 5 6 7 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	GND GND GND CompHD12V N/C N/C CompHD5V N/C CompHD5V N/C CompHD5V N/C 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
7140	0.4) ( D   - +	4.4	00	DTILO		0.4) /4
ZJ10	24V Regulated	1A 1A	22	PTU 2 PTU 3	1	24Vout 24Vout
	24V Regulated 24V Regulated	2A	23 24	LASER2	3	24Vout 24Vout
	24V Regulated	1A	25	Available	4	24Vout
	24V Regulated	1A	26	Available	5	24Vout
	Z+v regulated	17 (	20	rtvaliable	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
				<b>.</b>	ļ	
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 4	N/C GND
					4	GND
WJ2	5V Regulated	8A (total for WJ1+WJ2)	13	Computer 3	1	GND
VVJZ	12V Regulated	2A	13	Computer 3	2	GND
	12 v Regulateu	ZA			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
				1	<u> </u>	ļ
XJ2	5V Regulated	8A (total for XJ1+XJ2)	14	Computer 4	1 1	GND
	12V Regulated	2A			2	GND
					3	GND
					4	CompHD12V
					5	N/C
					6 7	N/C CompHD5V
					8	CompHD5V CompHD5V
					9	N/C
					10	GND
					- · ·	32
YJ1	5V Regulated		15	Computer 5	1	CompHD5V
	o . rogulatou			Jon Julion J	2	N/C
					3	N/C
					4	GND
YJ2	5V Regulated	8A (total for YJ1+YJ2)	15	Computer 5	1	GND
	12V Regulated	2A			2	GND
					3	GND
					4	CompHD12V
					5	N/C
					6	N/C
					7	CompHD5V
					8	CompHD5V
						In com-
					9 10	N/C GND