

AC-IN BOARD			
PLUG #	PIN #	DC VOLTAGE - ON	DC VOLTAGE - OFF
BP601	1	15.06V	0V
	2	GND	GND
	3	GND	GND
	4	12.53V	12.50V
	5	12.53V	12.50V
PLUG #	PIN #	DC VOLTAGE - ON	DC VOLTAGE - OFF
BP602	1	23.5V	22.8V
	2	0V	0V
	3	-22.9V	-22.3V
	4	12.47V	0.95V
	5	GND	GND
	6	4.99V	0.69V
	7	GND	GND
	8	12.51V	12.53V
	9	GND	GND
PLUG #	PIN #	DC VOLTAGE - ON	DC VOLTAGE - OFF
BP603	1	GND	GND
	2	12.52V	12.54V
	3	GND	GND
	4	-5.1V	-5.1V
	5	GND	GND
	6	5.01V	5.01V
	7	GND	GND
	8	34.5V	33.3V
	9	5.97V	5.72V
	10	GND	GND
	11	12.52V	12.54V
	12	5.97V	5.72V
	13	3.31V	0V
	14	4.59V	4.59V
PLUG #	PIN #	DC VOLTAGE - ON	DC VOLTAGE - OFF
BP204	1	124.8V(Hot Ground)	149.8V(Hot Ground)
	2	0V(Hot Ground)	0V(Hot Ground)

AV-IO BOARD

PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE
BT101	1	GND	BT702	1	GND	BT701	1	N/C
	2	12.53V		2	0V		2	GND
	3	GND		3	0V		3	0V
	4	0.69V		4	0V		4	0V
	5	GND		5	GND		5	0V
	6	0.95V		6	0V		6	0.36V
	7	-22.3V		7	GND		7	0V
	8	0V		8	0V		8	1.15V
	9	22.8V		9	0V		9	0V
PLUG #	PIN #	DC VOLTAGE		10	GND		10	1.15V
BT102	1	0V		11	0V		11	0V
	2	3.29V		12	GND		12	1.14V
	3	3.29V		13	4.97V		13	0V
	4	3.29V		14	0.96V		14	1.14V
	5	3.10V		15	4.86V		15	0V
	6	3.29V		16	3.29V		16	1.15V
	7	4.92V		17	3.08V		17	0V
	8	0.96V		18	3.29V		18	1.15V
	9	4.97V		19	3.29V		19	0V
	10	GND		20	3.29V		20	0.32V
PLUG #	PIN #	DC VOLTAGE		21	3.12V		21	GND
BT501	1	4.76V					22	0.58V
	2	-0.52V					23	GND
	3	0V					24	5.29V
	4	0V					25	5.29V
	5	0V					26	GND
	6	0V					27	4.88V
	7	0V					28	4.95V
	8	0V					29	3.32V
	9	0V					30	GND
	10	0V					31	1.38V
	11	0V						
	12	0.27V						

BEP BOARD

PLUG #	PIN #	DC VOLTAGE
BV901	1	4.82V
	2	4.89V
	3	8.96V
	4	GND
	5	0.22V
	6	0.01V
	7	0.65V
	8	0.04V
	9	0.10V
	10	GND
	11	.001V
	12	.01V
	13	0V
	14	0.03V
	15	0.07V
	16	GND
	17	N/C
	18	N/C
	19	N/C
	20	0.14V
	21	3.51V
	22	GND
	23	0.3V
	24	4.48V
	25	0.05V
	26	10.27V
	27	4.35V
	28	3.94V
	29	2.84V
	30	3.36V
	31	5.40V
	32	4.06V
	33	4.27V
	34	0.05V
	35	GND

CONVERGENCE BOARD

PLUG #	PIN #	DC VOLTAGE
J19700	1	20.2V
	2	GND
	3	-20.5V
PLUG #	PIN #	DC VOLTAGE
J19500	1	4.09V
	2	GND
	3	4.09V
	4	GND
	5	4.07V
	6	4.61V
	7	N/C
	8	12.47V
	9	N/C
	10	1.53V
	11	4.25V
	12	4.90V
	13	GND
	14	4.82V

DEFLECTION BOARD

PLUG #	PIN #	DC VOLTAGE
J14101	1	124.8V(HOT GND)
	2	0V(HOT GND)
PLUG #	PIN #	DC VOLTAGE
J14104	1	-20.5V
	2	GND
	3	20.2V
PLUG #	PIN #	DC VOLTAGE
J14801	1	0.36V
	2	GND
	3	0.69V
	4	GND
	5	0.66V
	6	GND
	7	0.10V
	8	0V
	9	GND
	10	4.87V
	11	4.82V
	12	GND
	13	0.14V
	14	3.28V
PLUG #	PIN #	DC VOLTAGE
J14803	1	12.5V
	2	12.5V
	3	GND
	4	GND
	5	15.06V

PLUG #	PIN #	DC VOLTAGE
J19101	1	3.39V
	2	GND
	3	4.09V
	4	GND
	5	4.34V
	6	GND
PLUG #	PIN #	DC VOLTAGE
J19102	1	2.70V
	2	GND
	3	4.09V
	4	GND
	5	4.34
	6	GND
PLUG #	PIN #	DC VOLTAGE
J19103	1	2.38V
	2	GND
	3	4.09V
	4	GND
	5	4.34
	6	GND

PLUG #	PIN #	DC VOLTAGE
J19107	1	GND
	2	GND
	3	2.26V
	4	0.12V
	5	11.26V
	6	7.33V
	7	12.35V
	8	GND
	9	11.83V
	10	24.3V
	11	0V
	12	0V
	13	N/C
	14	N/C
	15	217V
	16	217V
PLUG #	PIN #	DC VOLTAGE
J19109	1	4.09V
	2	GND
	3	4.09V
	4	GND
	5	4.07V
	6	4.61V
	7	N/C
	8	12.47V
	9	N/C
	10	1.53V
	11	4.25V
	12	4.90V
	13	GND
	14	4.82V

DM3 MODULE

PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE	
BP102	1	11.29V	BV501	1	GND	BV503	1	N/C	BV101	1	0.36V	
	2	10.62V		2	0V		2	GND		2	GND	
	3	12.52V		3	0V		3	0V		3	0.69V	
		4		0V	4		0V	4		GND		
		5		GND	5		0V	5		0.66V		
		6		0V	6		0.36V	6		GND		
		7		GND	7		0V	7		0.10V		
PLUG #	PIN #	DC VOLTAGE		8	0V		8	1.15V		8	0V	
BP103	1	4.59V		9	0V		9	0V		9	GND	
	2	3.31V		10	GND		10	1.15V		10	4.87V	
	3	5.97V		11	0V		11	0V		11	4.82V	
	4	12.52V		12	GND		12	1.14V		12	GND	
	5	GND		13	4.97V		13	0V		13	0.14V	
	6	5.97V		14	0.96V		14	1.14V		14	3.28V	
	7	34.5V		15	4.86V		15	0V				
	8	GND		16	3.29V		16	1.15V				
	9	5.01V		17	3.08V		17	0V				
	10	GND		18	3.29V		18	1.15V				
	11	-5.1V		19	3.29V		19	0V				
	12	GND		20	3.29V		20	0.32V				
	13	12.52V		21	3.12V		21	GND				
	14	GND					22	0.58V				
								23	GND			
								24	5.29V			
								25	5.29V			
								26	GND			
								27	4.88V			
								28	4.95V			
								29	3.32V			
								30	GND			
								31	1.38V			

FAV BOARD			IR PREAMP BOARD			FPA BOARD		
PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE
BJ104	1	4.76V	J32401	1	0V	BK401	1	0V
	2	-0.52V		2	3.29V		2	3.29V
	3	0V		3	3.29V		3	3.29V
	4	0V		4	3.29V		4	3.29V
	5	0V		5	3.10V		5	3.10V
	6	0V		6	3.29V		6	3.29V
	7	0V		7	4.92V		7	4.92V
	8	0V		8	0.96V		8	0.96V
	9	0V		9	4.97V		9	4.97V
	10	0V		10	GND		10	GND
	11	0V	PLUG #	PIN #	DC VOLTAGE			
	12	0.27V	J32402	1	0V			
				2	3.29V			
				3	3.29V			
				4	3.29V			
				5	3.10V			
				6	3.29V			
				7	4.92V			
				8	0.96V			
				9	4.97V			
				10	GND			

RED KINE DRIVER			GREEN KINE DRIVER			BLUE KINE DRIVER		
PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE
J25100	1	GND	J25300	1	GND	J25500	1	GND
	2	GND		2	GND		2	GND
	3	2.26V		3	2.26V		3	2.26V
	4	0.12V		4	0.12V		4	0.12V
	5	11.26V		5	11.26V		5	11.26V
	6	7.33V		6	7.33V		6	7.33V
	7	12.35V		7	12.35V		7	12.35V
	8	GND		8	GND		8	GND
	9	11.83V		9	11.83V		9	11.83V
	10	24.3V		10	24.3V		10	24.3V
	11	0V		11	0V		11	0V
	12	0V		12	0V		12	0V
	13	N/C		13	N/C		13	N/C
	14	N/C		14	N/C		14	N/C
	15	217V		15	217V		15	217V
	16	217V		16	217V		16	217V
PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE
J25101	YELLOW	170V	J25301	YELLOW	228V	J25501	YELLOW	261V
	WHITE	GND		WHITE	GND		WHITE	GND
	RED	GND		RED	GND		RED	GND
PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE
J25102	1	3.39V	J25302	1	2.70V	J25502	1	2.38V
	2	GND		2	GND		2	GND
	3	4.09V		3	4.09V		3	4.09V
	4	GND		2	GND		2	GND
	5	4.34		5	4.34		5	4.34
	6	GND		2	GND		2	GND
PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE	PLUG #	PIN #	DC VOLTAGE
J25201	1	72.8V	J25401	1	76.1V	J25601	1	65.7V
	2	N/C		2	N/C		2	N/C
	3	72.8V		3	76.1V		3	65.7V