

Chassis C		Left Rail						
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
Power								
24V	violet	L	OMRON	DC_1	24V	P	TBLOCK	
0V	gray	L	OMRON	DC_1	0V	P	TBLOCK	
24V	violet	L	EK1101	0	24V	P	TBLOCK	
0V	gray	L	EK1101	0	0V	P	TBLOCK	
5V_1	red	L	EK1101	0	+	P	DC_1	+V
5VRET_1	black	L	EK1101	0	-	P	DC_1	-V
24V	violet	L	EL9400	6	24V	P	TBLOCK	
0V	gray	L	EL9400	6	0V	P	TBLOCK	
24V	violet	L	EL9400	6	24V	P	TBLOCK	+V
0V	gray	L	EL9400	6	0V	P	TBLOCK	-V
Delay Line Phase Shifter A/B								
5VRET_1	black	R	EL1124	1	-	P	7	14
Bit 0/A	orange	R	EL2124	1	O1	BO	7	1
Bit 1/A	orange	R	EL2124	1	O2	BO	7	2
Bit 2/A	orange	R	EL2124	1	O3	BO	7	3
Bit 3/A	orange	R	EL2124	1	O4	BO	7	4
Bit 4/A	orange	R	EL2124	2	O1	BO	7	5
Bit 5/A	orange	R	EL2124	2	O2	BO	7	6
Bit 6/A	orange	R	EL2124	2	O3	BO	7	7
Bit 7/A	orange	R	EL2124	2	O4	BO	7	8
Bit 8/A	orange	R	EL2124	3	O1	BO	7	9
LE/A	orange	R	EL2124	3	O2	BO	7	10
Bit 0/B	orange	R	EL2124	3	O3	BO	8	1
Bit 1/B	orange	R	EL2124	3	O4	BO	8	2
5VRET_4	black	R	EL1124	4	-	P	8	14
Bit 2/B	orange	R	EL2124	4	O1	BO	8	3
Bit 3/B	orange	R	EL2124	4	O2	BO	8	4
Bit 4/B	orange	R	EL2124	4	O3	BO	8	5
Bit 5/B	orange	R	EL2124	4	O4	BO	8	6
Bit 6/B	orange	R	EL2124	5	O1	BO	8	7
Bit 7/B	orange	R	EL2124	5	O2	BO	8	8
Bit 8/B	orange	R	EL2124	5	O3	BO	8	9
LE/B	orange	R	EL2124	5	O4	BO	8	10
Photodiode Interface / RF Distribution Amplifiers								
PD GND	black	L	EL3102	7	COM	P	6	33
DC monitor 1 +	green	L	EL3102	7	+I1	AI	6	18
DC monitor 1 -	white	L	EL3102	7	-I1	AI	6	37
DC monitor 2 +	green	L	EL3102	7	+I2	AI	6	17
DC monitor 2 -	white	L	EL3102	7	-I2	AI	6	36
PD GND	black	L	EL3102	8	COM	P	6	33
DC monitor 3 +	green	L	EL3102	8	+I1	AI	6	16
DC monitor 3 -	white	L	EL3102	8	-I1	AI	6	35
DC monitor 4 +	green	L	EL3102	8	+I2	AI	6	15
DC monitor 4 -	white	L	EL3102	8	-I2	AI	6	34
PD GND	black	L	EL3102	9	COM	P	6	33
PD OK +	green	L	EL3102	9	+I1	AI	6	14
PD OK -	white	L	EL3102	9	-I1	AI	6	33
RF OK +	green	L	EL3102	9	+I2	AI	6	13
RF OK -	white	L	EL3102	9	-I2	AI	6	32
RF GND	black	L	EL3102	10	COM	P	6	32
A Monitor 1 +	green	L	EL3102	10	+I1	AI	6	12
A Monitor 1 -	white	L	EL3102	10	-I1	AI	6	31
A Monitor 2 +	green	L	EL3102	10	+I2	AI	6	11
A Monitor 2 -	white	L	EL3102	10	-I2	AI	6	30
RF GND	black	L	EL3102	11	COM	P	6	32
A Monitor 3 +	green	L	EL3102	11	+I1	AI	6	10
A Monitor 3 -	white	L	EL3102	11	-I1	AI	6	29
B Monitor 1 +	green	L	EL3102	11	+I2	AI	6	9
B Monitor 1 -	white	L	EL3102	11	-I2	AI	6	28
RF GND	black	L	EL3102	12	COM	P	6	32
B Monitor 2 +	green	L	EL3102	12	+I1	AI	6	8

B Monitor 2 -	white	L	EL3102	12	-I1	AI	6	27
B Monitor 3 +	green	L	EL3102	12	+I2	AI	6	7
B Monitor 3 -	white	L	EL3102	12	-I2	AI	6	26
RF GND	black	L	EL3102	13	COM	P	6	32
C Monitor 1 +	green	L	EL3102	13	+I1	AI	6	6
C Monitor 1 -	white	L	EL3102	13	-I1	AI	6	25
C Monitor 2 +	green	L	EL3102	13	+I2	AI	6	5
C Monitor 2 -	white	L	EL3102	13	-I2	AI	6	24
RF GND	black	L	EL3102	14	COM	P	6	32
C Monitor 3 +	green	L	EL3102	14	+I1	AI	6	4
C Monitor 3 -	white	L	EL3102	14	-I1	AI	6	23
D Monitor 1 +	green	L	EL3102	14	+I2	AI	6	3
D Monitor 1 -	white	L	EL3102	14	-I2	AI	6	22
RF GND	black	L	EL3102	15	COM	P	6	32
D Monitor 2 +	green	L	EL3102	15	+I1	AI	6	2
D Monitor 2 -	white	L	EL3102	15	-I1	AI	6	21
D Monitor 3 +	green	L	EL3102	15	+I2	AI	6	1
D Monitor 3 -	white	L	EL3102	15	-I2	AI	6	20

Chassis C		Middle Rail						
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
Power								
24V	violet	M	OMRON	DC_2	24V	P	TBLOCK	
0V	gray	M	OMRON	DC_2	0V	P	TBLOCK	
24V	violet	M	EK1101	0	24V	P	TBLOCK	
0V	gray	M	EK1101	0	0V	P	TBLOCK	
24V	violet	M	EK1101	0	+	P	TBLOCK	
0V	gray	M	EK1101	0	-	P	TBLOCK	
24V	violet	M	EL9400	9	24V	P	TBLOCK	
0V	gray	M	EL9400	9	0V	P	TBLOCK	
5V_2	red	M	EL9400	9	+	P	DC_2	+V
5VRET_2	black	M	EL9400	9	-	P	DC_2	-V
Auxiliary A/B								
5VRET_2	black	M	EL3102	1	COM	P	DC_2	
Analog Aux In 1 +	green	M	EL3102	1	+I1	AI	4	1
Analog Aux In 1 -	white	M	EL3102	1	-I1	AI	4	20
Analog Aux In 2 +	green	M	EL3102	1	+I2	AI	4	2
Analog Aux In 2 -	white	M	EL3102	1	-I2	AI	4	21
5VRET_2	black	M	EL3102	2	COM	P	DC_2	
Analog Aux In 3 +	green	M	EL3102	2	+I1	AI	4	3
Analog Aux In 3 -	white	M	EL3102	2	-I1	AI	4	22
Analog Aux In 4 +	green	M	EL3102	2	+I2	AI	4	4
Analog Aux In 4 -	white	M	EL3102	2	-I2	AI	4	23
5VRET_2	black	M	EL3102	3	COM	P	DC_2	
Analog Aux In 5 +	green	M	EL3102	3	+I1	AI	4	5
Analog Aux In 5 -	white	M	EL3102	3	-I1	AI	4	24
Analog Aux In 6 +	green	M	EL3102	3	+I2	AI	4	6
Analog Aux In 6 -	white	M	EL3102	3	-I2	AI	4	25
5VRET_2	black	M	EL3102	4	COM	P	DC_2	
Analog Aux In 7 +	green	M	EL3102	4	+I1	AI	4	7
Analog Aux In 7 -	white	M	EL3102	4	-I1	AI	4	26
Analog Aux In 8 +	green	M	EL3102	4	+I2	AI	4	8
Analog Aux In 8 -	white	M	EL3102	4	-I2	AI	4	27
5VRET_2	black	M	EL4132	5	COM	P	DC_2	
Analog Aux Out 1 +	blue	M	EL4132	5	O1	AO	5	1
Analog Aux Out 1 -	yellow	M	EL4132	5	COM	AO	5	20
Analog Aux Out 2 +	blue	M	EL4132	5	O2	AO	5	2
Analog Aux Out 2 -	yellow	M	EL4132	5	COM	AO	5	21
5VRET_2	black	M	EL4132	6	COM	P	DC_2	
Analog Aux Out 3 +	blue	M	EL4132	6	O1	AO	5	3
Analog Aux Out 3 -	yellow	M	EL4132	6	COM	AO	5	22
Analog Aux Out 4 +	blue	M	EL4132	6	O2	AO	5	4
Analog Aux Out 4 -	yellow	M	EL4132	6	COM	AO	5	23
5VRET_2	black	M	EL4132	7	COM	P	DC_2	
Analog Aux Out 5 +	blue	M	EL4132	7	O1	AO	5	5
Analog Aux Out 5 -	yellow	M	EL4132	7	COM	AO	5	24
Analog Aux Out 6 +	blue	M	EL4132	7	O2	AO	5	6
Analog Aux Out 6 -	yellow	M	EL4132	7	COM	AO	5	25
5VRET_2	black	M	EL4132	8	COM	P	DC_2	
Analog Aux Out 7 +	blue	M	EL4132	8	O1	AO	5	7
Analog Aux Out 7 -	yellow	M	EL4132	8	COM	AO	5	26
Analog Aux Out 8 +	blue	M	EL4132	8	O2	AO	5	8
Analog Aux Out 8 -	yellow	M	EL4132	8	COM	AO	5	27
5VRET_2	black	M	EL1124	10	-	P	4	19
5VRET_2	black	M	EL1124	10	-	P	4	30
5VRET_2	black	M	EL1124	10	-	P	4	31
5VRET_2	black	M	EL1124	10	-	P	4	32
5VRET_2	black	M	EL1124	10	-	P	4	33
Digital Aux In 1	brown	M	EL1124	10	I1	BI	4	11
Digital Aux In 2	brown	M	EL1124	10	I2	BI	4	12
Digital Aux In 3	brown	M	EL1124	10	I3	BI	4	13
Digital Aux In 4	brown	M	EL1124	10	I4	BI	4	14
Digital Aux In 5	brown	M	EL1124	11	I1	BI		

Digital Aux In 6	brown	M	EL1124	11	I2	BI		
Digital Aux In 7	brown	M	EL1124	11	I3	BI		
Digital Aux In 8	brown	M	EL1124	11	I4	BI		
SVRET_2	black	M	EL1124	12	-	P	5	19
SVRET_2	black	M	EL1124	12	-	P	5	30
SVRET_2	black	M	EL1124	12	-	P	5	31
SVRET_2	black	M	EL1124	12	-	P	5	32
SVRET_2	black	M	EL1124	12	-	P	5	33
Digital Aux Out 1	orange	M	EL2124	12	O1	BO	5	11
Digital Aux Out 2	orange	M	EL2124	12	O2	BO	5	12
Digital Aux Out 3	orange	M	EL2124	12	O3	BO	5	13
Digital Aux Out 4	orange	M	EL2124	12	O4	BO	5	14
Digital Aux Out 5	orange	M	EL2124	13	O1	BO		
Digital Aux Out 6	orange	M	EL2124	13	O2	BO		
Digital Aux Out 7	orange	M	EL2124	13	O3	BO		
Digital Aux Out 8	orange	M	EL2124	13	O4	BO		

Chassis C		Right Rail						
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
Power								
24V	violet	R	OMRON	DC_3	24V	P	TBLOCK	
0V	gray	R	OMRON	DC_3	0V	P	TBLOCK	
24V	violet	R	EK1101	0	24V	P	TBLOCK	
0V	gray	R	EK1101	0	0V	P	TBLOCK	
24V	violet	R	EK1101	0	+	P	TBLOCK	
0V	gray	R	EK1101	0	-	P	TBLOCK	
24V	violet	R	EL9400		24V	P	TBLOCK	
0V	gray	R	EL9400		0V	P	TBLOCK	
5V_3	red	R	EL9400		+	P	DC_3	+V
5VRET_3	black	R	EL9400		-	P	DC_3	-V
Spare								