

PSL Chassis		Left Rail						
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
Power								
24V	violet	L	EK1101	0	24V	P	TBLOCK	
0V	gray	L	EK1101	0	0V	P	TBLOCK	
24V	violet	L	EK1101	0	+	P	TBLOCK	+V
0V	gray	L	EK1101	0	-	P	TBLOCK	-V
24V	violet		TBLOCK		24V	P	5	P7
0V	gray		TBLOCK		0V	P	5	P8
24V	violet		TBLOCK		24V	P	6	P7
0V	gray		TBLOCK		0V	P	6	P8
24V	violet		TBLOCK		24V	P	7	P7
0V	gray		TBLOCK		0V	P	7	P8
24V	violet		TBLOCK		24V	P	8	P7
0V	gray		TBLOCK		0V	P	8	P8
Coupler								
Input	CAT5	L	EK1101	0	X1	Comm.	IN	
Output	CAT5	L	EK1101	0	X2	Comm.	R/O	X1
Rotation Stages								
Encoder A: A (IO)	brown	L	EL7342	1	A/top	BI	8	P4
Encoder A: B (IO)	brown	L	EL7342	1	B/top	BI	8	P5
Encoder B: A (Spare)	brown	L	EL7342	1	A/below	BI	5	P4
Encoder B: B (Spare)	brown	L	EL7342	1	B/below	BI	5	P5
Input A (IO)	brown	L	EL7342	1	I1	BI	8	P3
Input B (Spare)	brown	L	EL7342	1	I2	BI	5	P3
Motor A1(*) (IO)	violet	L	EL7342	2	A1	P	8	PWR/S
Motor A2(*) (IO)	gray	L	EL7342	2	A2	P	8	PWR/P
Motor B1(*) (Spare)	violet	L	EL7342	2	B1	P	5	PWR/S
Motor B2(*) (Spare)	gray	L	EL7342	2	B2	P	5	PWR/P
24V(*)	violet	L	EL7342	2	+	P	L/4	+
0V(*)	gray	L	EL7342	2	-	P	L/4	-
Encoder A: A (TCSX)	brown	L	EL7342	3	A/top	BI	6	P4
Encoder A: B (TCSX)	brown	L	EL7342	3	B/top	BI	6	P5
Encoder B: A (TCSY)	brown	L	EL7342	3	A/below	BI	7	P4
Encoder B: B (TCSY)	brown	L	EL7342	3	B/below	BI	7	P5
Input A (TCSX)	brown	L	EL7342	3	I1	BI	6	P3
Input B (TCSY)	brown	L	EL7342	3	I2	BI	7	P3
Motor A1(*) (TCSX)	violet	L	EL7342	4	A1	P	6	PWR/S
Motor A2(*) (TCSX)	gray	L	EL7342	4	A2	P	6	PWR/P
Motor B1(*) (TCSY)	violet	L	EL7342	4	B1	P	7	PWR/S
Motor B2(*) (TCSY)	gray	L	EL7342	4	B2	P	7	PWR/P
24V(*) (**)	violet	L	EL7342	4	+	P	TBLOCK	
0V(*) (**)	gray	L	EL7342	4	-	P	TBLOCK	
Interlock Mon (IO)	brown	L	EL1094	5	I1	BI	8	P9
Interlock Mon (Spare)	brown	L	EL1094	5	I2	BI	5	P9
Interlock Mon (TCSX)	brown	L	EL1094	5	I3	BI	6	P9
Interlock Mon (TCSY)	brown	L	EL1094	5	I4	BI	7	P9
IO PZTs								
Return	black	L	EL9190	6	-	P	9	1/8
V-Mon 1 +	green	L	EL3104	7	+I1	AI	9	1/3
V-Mon 1 -	white	L	EL3104	7	-I1	AI	L/6	Return
V-Mon 2 +	green	L	EL3104	7	+I2	AI	9	1/4
V-Mon 2 -	white	L	EL3104	7	-I2	AI	L/6	Return
SGS-Mon X +	green	L	EL3104	7	+I3	AI	9	1/9
SGS-Mon X -	white	L	EL3104	7	-I3	AI	L/6	Return
SGS-Mon Y +	green	L	EL3104	7	+I4	AI	9	1/10
SGS-Mon Y -	white	L	EL3104	7	-I4	AI	L/6	Return
Return	black	L	EL9190	8	-	P	9	2/8
V-Mon 1 +	green	L	EL3104	9	+I1	AI	9	2/3
V-Mon 1 -	white	L	EL3104	9	-I1	AI	L/8	Return
V-Mon 2 +	green	L	EL3104	9	+I2	AI	9	2/4
V-Mon 2 -	white	L	EL3104	9	-I2	AI	L/8	Return
SGS-Mon X +	green	L	EL3104	9	+I3	AI	9	2/9
SGS-Mon X -	white	L	EL3104	9	-I3	AI	L/8	Return
SGS-Mon Y +	green	L	EL3104	9	+I4	AI	9	2/10

SGS-Mon Y-	white	L	EL3104	9	-14	Al	L/8	Return
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(*) AWG16, twist pairs

(**) Wrap twisted pair through a common mode choke, 10 turns, then connect to terminal block

PSL Chassis		Right Rail						
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
Power								
24VInput	violet	R	EK1501	0	24V	P	TBLOCK	
0VInput	gray	R	EK1501	0	0V	P	TBLOCK	
24VInput	violet	R	EK1501	0	+	P	TBLOCK	
0VInput	gray	R	EK1501	0	-	P	TBLOCK	
Coupler								
Output	CAT5	R	EK1100	0	X2	Comm.	OUT	
Environmental								
H1:PSL-ENV_LASERRM_ACSTEMP(+V)out	violet	R	EL3154	1	24V	P	1	1
H1:PSL-ENV_LASERRM_ACSTEMP(current)in	green	R	EL3154	1	I1	AI	1	14
H1:PSL-ENV_LASERRM_ACNTEMP(+V)out	violet	R	EL3154	1	24V	P	1	2
H1:PSL-ENV_LASERRM_ACNTEMP(current)in	green	R	EL3154	1	I2	AI	1	15
H1:PSL-ENV_LASERRM_TBLNTEMP(+V)out	violet	R	EL3154	1	24V	P	1	3
H1:PSL-ENV_LASERRM_TBLNTEMP(current)in	green	R	EL3154	1	I3	AI	1	16
H1:PSL-ENV_LASERRM_RH(current)in	green	R	EL3154	1	I4	AI	1	4
H1:PSL-ENV_LASERRM_TBLSTEMP(+V)out	violet	R	EL3154	2	24V	P	1	5
H1:PSL-ENV_LASERRM_TBLSTEMP(current)in	green	R	EL3154	2	I1	AI	1	18
H1:PSL-ENV_ANTERM_TEMP(+V)out	violet	R	EL3154	2	24V	P	1	6
H1:PSL-ENV_ANTERM_TEMP(current)in	green	R	EL3154	2	I2	AI	1	19
H1:PSL-ENV_ANTERM_RH(current)in	green	R	EL3154	2	I3	AI	1	7
H1:PSL-ENV_LVEA_TEMP(+V)out	violet	R	EL3154	2	24V	P	1	8
H1:PSL-ENV_LVEA_TEMP(current)in	green	R	EL3154	2	I4	AI	1	21
H1:PSL-ENV_LASERRMTOANTERM_DPRES(+V)out	violet	R	EL3154	3	24v	P	1	9
H1:PSL-ENV_LASERRMTOANTERM_DPRES(current)in	green	R	EL3154	3	I1	AI	1	22
H1:PSL-ENV_ANTERMTOLVEA_DPRES(+V)out	violet	R	EL3154	3	24V	P	1	10
H1:PSL-ENV_ANTERMTOLVEA_DPRES(current)in	green	R	EL3154	3	I2	AI	1	23
H1:PSL-ENV_DIODERM_TEMP(+V)out	violet	R	EL3154	3	24V	P	2	1
H1:PSL-ENV_DIODERM_TEMP(current)in	green	R	EL3154	3	I3	AI	2	14
H1:PSL-ENV_DIODERM_RH(current)in	green	R	EL3154	3	I4	AI	2	2
H1:PSL-ENV_CHILLERRM_TEMP(+V)out	violet	R	EL3154	4	24V	P	2	3
H1:PSL-ENV_CHILLERRM_TEMP(current)in	green	R	EL3154	4	I1	AI	2	16
H1:PSL-ENV_CHILLERRM_RH(current)in	green	R	EL3154	4	I2	AI	2	4
H1:PSL-ENV_DIODERMTOCHILLERRM_DPRES(+V)out	violet	R	EL3154	4	24V	P	2	5
H1:PSL-ENV_DIODERMTOCHILLERRM_DPRES(current)in	green	R	EL3154	4	I3	AI	2	18
(Empty)	violet	R	EL3154	4	24V	P	2	6
(Empty)	green	R	EL3154	4	I4	AI	2	19