Corner Station Controls Chassis 2 Left Rail

Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
Power								
24V	violet	L	AB9000	GW_1	24V	P	TBLOCK	
0V	gray	L	AB9000	GW_1	0V	P	TBLOCK	
24V	violet	L	AB9000	GW_2	24V	P	TBLOCK	
0V	gray	L	AB9000	GW_2	0V	P	TBLOCK	
24V	violet	L	AB9000	GW_3	24V	P	TBLOCK	
0V	gray	L	AB9000	GW_3	0V	P	TBLOCK	
24V	violet	L	EK1101	0	24V	P	TBLOCK	
0V	gray	L	EK1101	0	0V	P	TBLOCK	
24V	violet	L	EK1101	0	+	P	TBLOCK	
0V	gray	L	EK1101	0	–	P	TBLOCK	
X-Gateway Modbus/EtherCAT 1								
Input	CAT5	L	AB9000	GW_1	X1.1	Comm.	IN	
Output	CAT5	L	AB9000	GW_1	X1.2	Comm.	GW_2	X1.1
Modbus 1	CAT5	L	AB9000	GW_1	X2.1	Comm.	Port 1A	
Modbus 2	CAT5	L	AB9000	GW_1	X2.2	Comm.	Port 1B	
X-Gateway Modbus/EtherCAT 2								
Output	CAT5	L	AB9000	GW_2	X1.2	Comm.	GW_3	X1.1
Modbus 1	CAT5	L	AB9000	GW_2	X2.1	Comm.	Port 2A	
Modbus 2	CAT5	L	AB9000	GW_2	X2.2	Comm.	Port 2B	
X-Gateway Modbus/EtherCAT 3								
Output	CAT5	L	AB9000	GW_3	X1.2	Comm.	L/0	X1
Modbus 1	CAT5	L	AB9000	GW_3	X2.1	Comm.	Port 3A	
Modbus 2	CAT5	L	AB9000	GW_3	X2.2	Comm.	Port 3B	
Coupler								
Output	CAT5	L	EK1101	0	X2	Comm.	M/0	X1
Serial Ports								
Spare RS422	D-sub	L	EL6022	1	X1	Serial	12	5
Spare RS422	D-sub	L	EL6022	1	X2	Serial	12	6
Timing fanout SEI/SUS	D-sub	L	EL6022	3	X1	Serial	12	7
Timing fanout ISC	D-sub	L	EL6022	3	X2	Serial	12	8

Corner Station Controls Chassis 2 Middle Rail

Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
Power								
24V	violet	M	EK1100	0	24V	P	TBLOCK	
0V	gray	M	EK1100	0	0V	P	TBLOCK	
24V	violet	M	EK1100	0	+	P	TBLOCK	
0V	gray	M	EK1100	0	–	P	TBLOCK	
Coupler								
Output	CAT5	M	EK1100	0	X2	Comm.	R/0	X1
Picomotor Controller G (*)								
0V	gray	M	EL3102	1	COM	P	TBLOCK	
Temperature Monitor 1 +	green	M	EL3102	1	+I1	AI	7	6
Temperature Monitor 1 –	white	M	EL3102	1	–I1	AI	7	5
Temperature Monitor 2 +	green	M	EL3102	1	+I2	AI	7	4
Temperature Monitor 2 –	white	M	EL3102	1	–I2	AI	7	3
Driver Fault 1	brown	M	EL1014	2	I1	BI	7	10
Driver Fault 2	brown	M	EL1014	2	I2	BI	7	9
Remote ON	brown	M	EL1014	2	I3	BI	7	8
Power ON	brown	M	EL1014	2	I4	BI	7	7
Readbacks	IDC	M	EL1872	7	X1	BI	7	P12
24V	violet	M	EL1872	7	1	P	TBLOCK	
0V	gray	M	EL1872	7	2	P	TBLOCK	
Controls	IDC	M	EL2872	8	X1	BO	7	P11
24V	violet	M	EL2872	8	1	P	TBLOCK	
0V	gray	M	EL2872	8	2	P	TBLOCK	
Picomotor Controller H (*)								
0V	gray	M	EL3102	3	COM	P	TBLOCK	
Temperature Monitor 1 +	green	M	EL3102	3	+I1	AI	8	6
Temperature Monitor 1 –	white	M	EL3102	3	–I1	AI	8	5
Temperature Monitor 2 +	green	M	EL3102	3	+I2	AI	8	4
Temperature Monitor 2 –	white	M	EL3102	3	–I2	AI	8	3
Driver Fault 1	brown	M	EL1014	4	I1	BI	8	10
Driver Fault 2	brown	M	EL1014	4	I2	BI	8	9
Remote ON	brown	M	EL1014	4	I3	BI	8	8
Power ON	brown	M	EL1014	4	I4	BI	8	7
Readbacks	IDC	M	EL1872	9	X1	BI	8	P12
24V	violet	M	EL1872	9	1	P	TBLOCK	
0V	gray	M	EL1872	9	2	P	TBLOCK	
Controls	IDC	M	EL2872	10	X1	BO	8	P11
24V	violet	M	EL2872	10	1	P	TBLOCK	
0V	gray	M	EL2872	10	2	P	TBLOCK	
Picomotor Controller I (*)								
0V	gray	M	EL3102	5	COM	P	TBLOCK	
Temperature Monitor 1 +	green	M	EL3102	5	+I1	AI	9	6
Temperature Monitor 1 –	white	M	EL3102	5	–I1	AI	9	5
Temperature Monitor 2 +	green	M	EL3102	5	+I2	AI	9	4
Temperature Monitor 2 –	white	M	EL3102	5	–I2	AI	9	3
Driver Fault 1	brown	M	EL1014	6	I1	BI	9	10
Driver Fault 2	brown	M	EL1014	6	I2	BI	9	9
Remote ON	brown	M	EL1014	6	I3	BI	9	8
Power ON	brown	M	EL1014	6	I4	BI	9	7
Readbacks	IDC	M	EL1872	11	X1	BI	9	P12
24V	violet	M	EL1872	11	1	P	TBLOCK	
0V	gray	M	EL1872	11	2	P	TBLOCK	
Controls	IDC	M	EL2872	12	X1	BO	9	P11
24V	violet	M	EL2872	12	1	P	TBLOCK	
0V	gray	M	EL2872	12	2	P	TBLOCK	

(*) Terminal sequence is out of order. EL1872 and EL2872 terminal are all together at the end.

Corner Station Controls Chassis 2 Right Rail

Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
Power								
24V	violet	R	EK1100	0	24V	P	TBLOCK	
0V	gray	R	EK1100	0	0V	P	TBLOCK	
24V	violet	R	EK1100	0	+	P	TBLOCK	
0V	gray	R	EK1100	0	–	P	TBLOCK	
24V	violet	R	EL9400	13	24V	P	TBLOCK	
0V	gray	R	EL9400	13	0V	P	TBLOCK	
24V	violet	R	EL9400	13	+	P	TBLOCK	
0V	gray	R	EL9400	13	–	P	TBLOCK	
Coupler								
Output	CAT5	R	EK1100	0	X2	Comm.	OUT	
Picomotor Controller A (*)								
0V	gray	R	EL3102	1	COM	P	TBLOCK	
Temperature Monitor 1 +	green	R	EL3102	1	+I1	AI	1	6
Temperature Monitor 1 –	white	R	EL3102	1	–I1	AI	1	5
Temperature Monitor 2 +	green	R	EL3102	1	+I2	AI	1	4
Temperature Monitor 2 –	white	R	EL3102	1	–I2	AI	1	3
Driver Fault 1	brown	R	EL1014	2	I1	BI	1	10
Driver Fault 2	brown	R	EL1014	2	I2	BI	1	9
Remote ON	brown	R	EL1014	2	I3	BI	1	8
Power ON	brown	R	EL1014	2	I4	BI	1	7
Readbacks	IDC	R	EL1872	7	X1	BI	1	P12
24V	violet	R	EL1872	7	1	P	TBLOCK	
0V	gray	R	EL1872	7	2	P	TBLOCK	
Controls	IDC	R	EL2872	8	X1	BO	1	P11
24V	violet	R	EL2872	8	1	P	TBLOCK	
0V	gray	R	EL2872	8	2	P	TBLOCK	
Picomotor Controller B (*)								
0V	gray	R	EL3102	3	COM	P	TBLOCK	
Temperature Monitor 1 +	green	R	EL3102	3	+I1	AI	2	6
Temperature Monitor 1 –	white	R	EL3102	3	–I1	AI	2	5
Temperature Monitor 2 +	green	R	EL3102	3	+I2	AI	2	4
Temperature Monitor 2 –	white	R	EL3102	3	–I2	AI	2	3
Driver Fault 1	brown	R	EL1014	4	I1	BI	2	10
Driver Fault 2	brown	R	EL1014	4	I2	BI	2	9
Remote ON	brown	R	EL1014	4	I3	BI	2	8
Power ON	brown	R	EL1014	4	I4	BI	2	7
Readbacks	IDC	R	EL1872	9	X1	BI	2	P12
24V	violet	R	EL1872	9	1	P	TBLOCK	
0V	gray	R	EL1872	9	2	P	TBLOCK	
Controls	IDC	R	EL2872	10	X1	BO	2	P11
24V	violet	R	EL2872	10	1	P	TBLOCK	
0V	gray	R	EL2872	10	2	P	TBLOCK	
Picomotor Controller C (*)								
0V	gray	R	EL3102	5	COM	P	TBLOCK	
Temperature Monitor 1 +	green	R	EL3102	5	+I1	AI	3	6
Temperature Monitor 1 –	white	R	EL3102	5	–I1	AI	3	5
Temperature Monitor 2 +	green	R	EL3102	5	+I2	AI	3	4
Temperature Monitor 2 –	white	R	EL3102	5	–I2	AI	3	3
Driver Fault 1	brown	R	EL1014	6	I1	BI	3	10
Driver Fault 2	brown	R	EL1014	6	I2	BI	3	9
Remote ON	brown	R	EL1014	6	I3	BI	3	8
Power ON	brown	R	EL1014	6	I4	BI	3	7
Readbacks	IDC	R	EL1872	11	X1	BI	3	P12
24V	violet	R	EL1872	11	1	P	TBLOCK	
0V	gray	R	EL1872	11	2	P	TBLOCK	
Controls	IDC	R	EL2872	12	X1	BO	3	P11
24V	violet	R	EL2872	12	1	P	TBLOCK	
0V	gray	R	EL2872	12	2	P	TBLOCK	
Picomotor Controller D (**)								
0V	gray	R	EL3102	14	COM	P	TBLOCK	
Temperature Monitor 1 +	green	R	EL3102	14	+I1	AI	4	6

Temperature Monitor 1 –	white	R	EL3102	14	–I1	AI	4	5
Temperature Monitor 2 +	green	R	EL3102	14	+I2	AI	4	4
Temperature Monitor 2 –	white	R	EL3102	14	–I2	AI	4	3
Driver Fault 1	brown	R	EL1014	15	I1	BI	4	10
Driver Fault 2	brown	R	EL1014	15	I2	BI	4	9
Remote ON	brown	R	EL1014	15	I3	BI	4	8
Power ON	brown	R	EL1014	15	I4	BI	4	7
Readbacks	IDC	R	EL1872	20	X1	BI	4	P12
24V	violet	R	EL1872	20	1	P	TBLOCK	
0V	gray	R	EL1872	20	2	P	TBLOCK	
Controls	IDC	R	EL2872	21	X1	BO	4	P11
24V	violet	R	EL2872	21	1	P	TBLOCK	
0V	gray	R	EL2872	21	2	P	TBLOCK	
Picomotor Controller E (**)								
0V	gray	R	EL3102	16	COM	P	TBLOCK	
Temperature Monitor 1 +	green	R	EL3102	16	+I1	AI	5	6
Temperature Monitor 1 –	white	R	EL3102	16	–I1	AI	5	5
Temperature Monitor 2 +	green	R	EL3102	16	+I2	AI	5	4
Temperature Monitor 2 –	white	R	EL3102	16	–I2	AI	5	3
Driver Fault 1	brown	R	EL1014	17	I1	BI	5	10
Driver Fault 2	brown	R	EL1014	17	I2	BI	5	9
Remote ON	brown	R	EL1014	17	I3	BI	5	8
Power ON	brown	R	EL1014	17	I4	BI	5	7
Readbacks	IDC	R	EL1872	22	X1	BI	5	P12
24V	violet	R	EL1872	22	1	P	TBLOCK	
0V	gray	R	EL1872	22	2	P	TBLOCK	
Controls	IDC	R	EL2872	23	X1	BO	5	P11
24V	violet	R	EL2872	23	1	P	TBLOCK	
0V	gray	R	EL2872	23	2	P	TBLOCK	
Picomotor Controller F (**)								
0V	gray	R	EL3102	18	COM	P	TBLOCK	
Temperature Monitor 1 +	green	R	EL3102	18	+I1	AI	6	6
Temperature Monitor 1 –	white	R	EL3102	18	–I1	AI	6	5
Temperature Monitor 2 +	green	R	EL3102	18	+I2	AI	6	4
Temperature Monitor 2 –	white	R	EL3102	18	–I2	AI	6	3
Driver Fault 1	brown	R	EL1014	19	I1	BI	6	10
Driver Fault 2	brown	R	EL1014	19	I2	BI	6	9
Remote ON	brown	R	EL1014	19	I3	BI	6	8
Power ON	brown	R	EL1014	19	I4	BI	6	7
Readbacks	IDC	R	EL1872	24	X1	BI	6	P12
24V	violet	R	EL1872	24	1	P	TBLOCK	
0V	gray	R	EL1872	24	2	P	TBLOCK	
Controls	IDC	R	EL2872	25	X1	BO	6	P11
24V	violet	R	EL2872	25	1	P	TBLOCK	
0V	gray	R	EL2872	25	2	P	TBLOCK	

(*) Terminal sequence is out of order. EL1872 and EL2872 terminal are all together at the end.
(**) Terminal sequence is out of order. EL1872 and EL2872 terminal are all together at the end.