

Corner Station Controls Chassis 3 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	OMRON	DC_2	24V	P	TBLOCK	
0V	gray	L	OMRON	DC_2	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
5V_2	red	L	EL9190	7	+	P	DC_2	+V
5VRET_2	black	L	EL9190	7	-	P	DC_2	-V
Coupler								
Input	CAT5	L	EK1101	0	X1	Comm.	IN	
Output	CAT5	L	EK1101	0	X2	Comm.	M/O	X1
RF Amp 1								
Monitor 1 +	green	L	EL3104	1	+I1	AI	8	12
Monitor 1 -	white	L	EL3104	1	-I1	AI	8	31
Monitor 2 +	green	L	EL3104	1	+I2	AI	8	11
Monitor 2 -	white	L	EL3104	1	-I2	AI	8	30
Monitor 3 +	green	L	EL3104	1	+I3	AI	8	10
Monitor 3 -	white	L	EL3104	1	-I3	AI	8	29
Monitor 4 +	green	L	EL3104	1	+I4	AI	8	9
Monitor 4 -	white	L	EL3104	1	-I4	AI	8	28
Monitor 5 +	green	L	EL3104	2	+I1	AI	8	8
Monitor 5 -	white	L	EL3104	2	-I1	AI	8	27
Monitor 6 +	green	L	EL3104	2	+I2	AI	8	7
Monitor 6 -	white	L	EL3104	2	-I2	AI	8	26
Monitor 7 +	green	L	EL3104	2	+I3	AI	8	6
Monitor 7 -	white	L	EL3104	2	-I3	AI	8	25
Monitor 8 +	green	L	EL3104	2	+I4	AI	8	5
Monitor 8 -	white	L	EL3104	2	-I4	AI	8	24
Monitor 9 +	green	L	EL3104	3	+I1	AI	8	4
Monitor 9 -	white	L	EL3104	3	-I1	AI	8	23
Monitor 10 +	green	L	EL3104	3	+I2	AI	8	3
Monitor 10 -	white	L	EL3104	3	-I2	AI	8	22
Monitor 11 +	green	L	EL3104	3	+I3	AI	8	2
Monitor 11 -	white	L	EL3104	3	-I3	AI	8	21
Monitor 12 +	green	L	EL3104	3	+I4	AI	8	1
Monitor 12 -	white	L	EL3104	3	-I4	AI	8	20
5VRET_3	black	L	EL1124	4	-	P	8	19
OK1	brown	L	EL1124	4	I1	BI	8	37
OK2	brown	L	EL1124	4	I2	BI	8	17
OK3	brown	L	EL1124	4	I3	BI	8	34
OK4	brown	L	EL1124	4	I4	BI	8	14
OK5	brown	L	EL1124	5	I1	BI	8	18
OK6	brown	L	EL1124	5	I2	BI	8	35
OK7	brown	L	EL1124	5	I3	BI	8	15
OK8	brown	L	EL1124	5	I4	BI	8	32
OK9	brown	L	EL1124	6	I1	BI	8	36
OK10	brown	L	EL1124	6	I2	BI	8	16
OK11	brown	L	EL1124	6	I3	BI	8	33
OK12	brown	L	EL1124	6	I4	BI	8	13
RF Amp 2								
Monitor 1 +	green	L	EL3104	8	+I1	AI	9	12
Monitor 1 -	white	L	EL3104	8	-I1	AI	9	31
Monitor 2 +	green	L	EL3104	8	+I2	AI	9	11
Monitor 2 -	white	L	EL3104	8	-I2	AI	9	30
Monitor 3 +	green	L	EL3104	8	+I3	AI	9	10
Monitor 3 -	white	L	EL3104	8	-I3	AI	9	29
Monitor 4 +	green	L	EL3104	8	+I4	AI	9	9
Monitor 4 -	white	L	EL3104	8	-I4	AI	9	28
Monitor 5 +	green	L	EL3104	9	+I1	AI	9	8

Monitor 5 –	white	L	EL3104	9	-I1	AI	9	27
Monitor 6 +	green	L	EL3104	9	+I2	AI	9	7
Monitor 6 –	white	L	EL3104	9	-I2	AI	9	26
Monitor 7 +	green	L	EL3104	9	+I3	AI	9	6
Monitor 7 –	white	L	EL3104	9	-I3	AI	9	25
Monitor 8 +	green	L	EL3104	9	+I4	AI	9	5
Monitor 8 –	white	L	EL3104	9	-I4	AI	9	24
Monitor 9 +	green	L	EL3104	10	+I1	AI	9	4
Monitor 9 –	white	L	EL3104	10	-I1	AI	9	23
Monitor 10 +	green	L	EL3104	10	+I2	AI	9	3
Monitor 10 –	white	L	EL3104	10	-I2	AI	9	22
Monitor 11 +	green	L	EL3104	10	+I3	AI	9	2
Monitor 11 –	white	L	EL3104	10	-I3	AI	9	21
Monitor 12 +	green	L	EL3104	10	+I4	AI	9	1
Monitor 12 –	white	L	EL3104	10	-I4	AI	9	20
5VRET_3	black	L	EL1124	11	-	P	9	19
OK1	brown	L	EL1124	11	I1	BI	9	37
OK2	brown	L	EL1124	11	I2	BI	9	17
OK3	brown	L	EL1124	11	I3	BI	9	34
OK4	brown	L	EL1124	11	I4	BI	9	14
OK5	brown	L	EL1124	12	I1	BI	9	18
OK6	brown	L	EL1124	12	I2	BI	9	35
OK7	brown	L	EL1124	12	I3	BI	9	15
OK8	brown	L	EL1124	12	I4	BI	9	32
OK9	brown	L	EL1124	13	I1	BI	9	36
OK10	brown	L	EL1124	13	I2	BI	9	16
OK11	brown	L	EL1124	13	I3	BI	9	33
OK12	brown	L	EL1124	13	I4	BI	9	13

Corner Station Controls Chassis 3 Middle Rail								
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
Power								
24V	violet	M	OMRON	DC_3	24V	P	TBLOCK	
0V	gray	M	OMRON	DC_3	0V	P	TBLOCK	
24V	violet	M	OMRON	DC_4	24V	P	TBLOCK	
0V	gray	M	OMRON	DC_4	0V	P	TBLOCK	
24V	violet	M	EK1100	0	24V	P	TBLOCK	
0V	gray	M	EK1100	0	0V	P	TBLOCK	
5V_3	red	M	EK1100	0	+	P	DC_3	+V
5VRET_3	black	M	EK1100	0	-	P	DC_3	-V
5V_4	red	M	EL9190	6	+	P	DC_4	+V
5VRET_4	black	M	EL9190	6	-	P	DC_4	-V
Coupler								
Output	CAT5	M	EK1100	0	X2	Comm.	R/0	X1
Low Noise VCO								
Monitor 1 +	green	M	EL3104	1	+I1	AI	5	1
Monitor 1 -	white	M	EL3104	1	-I1	AI	5	14
Monitor 2 +	green	M	EL3104	1	+I2	AI	5	2
Monitor 2 -	white	M	EL3104	1	-I2	AI	5	15
Monitor 3 +	green	M	EL3104	1	+I3	AI	5	3
Monitor 3 -	white	M	EL3104	1	-I3	AI	5	16
Temp 1 +	green	M	EL3104	1	+I4	AI	5	4
Temp 1 -	white	M	EL3104	1	-I4	AI	5	17
Temp 2 +	green	M	EL3104	2	+I1	AI	5	5
Temp 2 -	white	M	EL3104	2	-I1	AI	5	18
Temp 3 +	green	M	EL3104	2	+I2	AI	5	6
Temp 3 -	white	M	EL3104	2	-I2	AI	5	19
Tune monitor +	green	M	EL3104	2	+I3	AI	5	10
Tune monitor -	white	M	EL3104	2	-I3	AI	5	23
Spare +	green	M	EL3104	2	+I4	AI	5	12
Spare -	white	M	EL3104	2	-I4	AI	5	25
Tune adjust +	blue	M	EL4132	3	O1	AO	5	11
Tune adjust -	yellow	M	EL4132	3	COM	AO	5	24
	blue	M	EL4132	3	O2	AO		
	yellow	M	EL4132	3	COM	AO		
5VRET_3	black	M	EL1124	4	-	P	5	20
Excitation switch	brown	M	EL1124	4	I1	BI	5	9
OK	brown	M	EL1124	4	I2	BI	5	7
	brown	M	EL1124	4	I3	BI		
	brown	M	EL1124	4	I4	BI		
Excitation enable	orange	M	EL2124	5	O1	BO	5	8
	orange	M	EL2124	5	O2	BO		
	orange	M	EL2124	5	O3	BO		
	orange	M	EL2124	5	O4	BO		
Delay Line Phase Shifter A/B								
5VRET_4	black	M	EL2124	7	-	P	6	14
Bit 0/A	orange	M	EL2124	7	O1	BO	6	1
Bit 1/A	orange	M	EL2124	7	O2	BO	6	2
Bit 2/A	orange	M	EL2124	7	O3	BO	6	3
Bit 3/A	orange	M	EL2124	7	O4	BO	6	4
Bit 4/A	orange	M	EL2124	8	O1	BO	6	5
Bit 5/A	orange	M	EL2124	8	O2	BO	6	6
Bit 6/A	orange	M	EL2124	8	O3	BO	6	7
Bit 7/A	orange	M	EL2124	8	O4	BO	6	8
Bit 8/A	orange	M	EL2124	9	O1	BO	6	9
LE/A	orange	M	EL2124	9	O2	BO	6	10
Bit 0/B	orange	M	EL2124	9	O3	BO	7	1
Bit 1/B	orange	M	EL2124	9	O4	BO	7	2
5VRET_4	black	M	EL2124	10	-	P	7	14
Bit 2/B	orange	M	EL2124	10	O1	BO	7	3
Bit 3/B	orange	M	EL2124	10	O2	BO	7	4
Bit 4/B	orange	M	EL2124	10	O3	BO	7	5
Bit 5/B	orange	M	EL2124	10	O4	BO	7	6

Bit 6/B	orange	M	EL2124	11	O1	BO	7	7
Bit 7/B	orange	M	EL2124	11	O2	BO	7	8
Bit 8/B	orange	M	EL2124	11	O3	BO	7	9
LE/B	orange	M	EL2124	11	O4	BO	7	10

Corner Station Controls Chassis 3 Right Rail								
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
Power								
24V	violet	R	OMRON	DC_5	24V	P	TBLOCK	
0V	gray	R	OMRON	DC_5	0V	P	TBLOCK	
24V	violet	R	OMRON	DC_6	24V	P	TBLOCK	
0V	gray	R	OMRON	DC_6	0V	P	TBLOCK	
24V	violet	R	OMRON	DC_7	24V	P	TBLOCK	
0V	gray	R	OMRON	DC_7	0V	P	TBLOCK	
24V	violet	R	EK1100	0	24V	P	TBLOCK	
0V	gray	R	EK1100	0	0V	P	TBLOCK	
5V_5	red	R	EK1100	0	+	P	DC_5	+V
5VRET_5	black	R	EK1100	0	-	P	DC_5	-V
5V_6	red	R	EL9190	4	+	P	DC_6	+V
5VRET_6	black	R	EL9190	4	-	P	DC_6	-V
24V	violet	R	EL9410	10	24V	P	TBLOCK	
0V	gray	R	EL9410	10	0V	P	TBLOCK	
		R	EL9410	10	+	P		
GND	black	R	EL9410	10	-	P	3	19
5V_7	red	R	EL9190	15	+	P	DC_6	+V
5VRET_7	black	R	EL9190	15	-	P	DC_6	-V
Coupler								
Output	CAT5	R	EK1100	0	X2	Comm.	OUT	
LSC Demod IO/ALS								
ALS RF1 +	green	R	EL3104	1	+I1	AI	1	1
ALS RF1 -	white	R	EL3104	1	-I1	AI	1	20
ALS LO1 +	green	R	EL3104	1	+I2	AI	1	2
ALS LO1 -	white	R	EL3104	1	-I2	AI	1	21
ALS RF2 +	green	R	EL3104	1	+I3	AI	1	3
ALS RF2 -	white	R	EL3104	1	-I3	AI	1	22
ALS LO2 +	green	R	EL3104	1	+I4	AI	1	4
ALS LO2 -	white	R	EL3104	1	-I4	AI	1	23
MC RF1 +	green	R	EL3104	2	+I1	AI	1	5
MC RF1 -	white	R	EL3104	2	-I1	AI	1	24
MC LO1 +	green	R	EL3104	2	+I2	AI	1	6
MC LO1 -	white	R	EL3104	2	-I2	AI	1	25
MC RF2 +	green	R	EL3104	2	+I3	AI	1	7
MC RF2 -	white	R	EL3104	2	-I3	AI	1	26
MC LO2 +	green	R	EL3104	2	+I4	AI	1	8
MC LO2 -	white	R	EL3104	2	-I4	AI	1	27
5VRET_5	black	R	EL1124	3	-	P	1	19
ALS OK1	brown	R	EL1124	3	I1	BI	1	17
ALS Sign chn 1	brown	R	EL1124	3	I2	BI	1	18
ALS Sign chn 2	brown	R	EL1124	3	I3	BI	1	37
MC OK2	brown	R	EL1124	3	I4	BI	1	36
LSC Demod CM/POB/REFL								
CM RF1 +	green	R	EL3104	5	+I1	AI	2	1
CM RF1 -	white	R	EL3104	5	-I1	AI	2	20
CM LO1 +	green	R	EL3104	5	+I2	AI	2	2
CM LO1 -	white	R	EL3104	5	-I2	AI	2	21
CM RF2 +	green	R	EL3104	5	+I3	AI	2	3
CM RF2 -	white	R	EL3104	5	-I3	AI	2	22
CM LO2 +	green	R	EL3104	5	+I4	AI	2	4
CM LO2 -	white	R	EL3104	5	-I4	AI	2	23
CM RF3 +	green	R	EL3104	6	+I1	AI	2	5
CM RF3 -	white	R	EL3104	6	-I1	AI	2	24
CM LO3 +	green	R	EL3104	6	+I2	AI	2	6
CM LO3 -	white	R	EL3104	6	-I2	AI	2	25
CM RF4 +	green	R	EL3104	6	+I3	AI	2	7
CM RF4 -	white	R	EL3104	6	-I3	AI	2	26
CM LO4 +	green	R	EL3104	6	+I4	AI	2	8
CM LO4 -	white	R	EL3104	6	-I4	AI	2	27
POB RF1 +	green	R	EL3104	7	+I1	AI	2	9
POB RF1 -	white	R	EL3104	7	-I1	AI	2	28

POB LO1 +	green	R	EL3104	7	+I2	AI	2	10
POB LO1 -	white	R	EL3104	7	-I2	AI	2	29
POB RF2 +	green	R	EL3104	7	+I3	AI	2	11
POB RF2 -	white	R	EL3104	7	-I3	AI	2	30
POB LO2 +	green	R	EL3104	7	+I4	AI	2	12
POB LO2 -	white	R	EL3104	7	-I4	AI	2	31
REFL RF1 +	green	R	EL3104	8	+I1	AI	2	13
REFL RF1 -	white	R	EL3104	8	-I1	AI	2	32
REFL LO1 +	green	R	EL3104	8	+I2	AI	2	14
REFL LO1 -	white	R	EL3104	8	-I2	AI	2	33
REFL RF2 +	green	R	EL3104	8	+I3	AI	2	15
REFL RF2 -	white	R	EL3104	8	-I3	AI	2	34
REFL LO2 +	green	R	EL3104	8	+I4	AI	2	16
REFL LO2 -	white	R	EL3104	8	-I4	AI	2	35
5VRET_6	black	R	EL1124	9	-	P	2	19
CM OK1	brown	R	EL1124	9	I1	BI	2	17
CM Sign chn 1	brown	R	EL1124	9	I2	BI	2	18
CM Sign chn 2	brown	R	EL1124	9	I3	BI	2	37
CM OK2	brown	R	EL1124	9	I4	BI	2	36
LSC Demod POBAIR/REFLAIR								
POBAIR A RF1 +	green	R	EL3104	11	+I1	AI	3	1
POBAIR A RF1 -	white	R	EL3104	11	-I1	AI	3	20
POBAIR A LO1 +	green	R	EL3104	11	+I2	AI	3	2
POBAIR A LO1 -	white	R	EL3104	11	-I2	AI	3	21
POBAIR A RF2 +	green	R	EL3104	11	+I3	AI	3	3
POBAIR A RF2 -	white	R	EL3104	11	-I3	AI	3	22
POBAIR A LO2 +	green	R	EL3104	11	+I4	AI	3	4
POBAIR A LO2 -	white	R	EL3104	11	-I4	AI	3	23
REFLAIR A RF1 +	green	R	EL3104	12	+I1	AI	3	5
REFLAIR A RF1 -	white	R	EL3104	12	-I1	AI	3	24
REFLAIR A LO1 +	green	R	EL3104	12	+I2	AI	3	6
REFLAIR A LO1 -	white	R	EL3104	12	-I2	AI	3	25
REFLAIR A RF2 +	green	R	EL3104	12	+I3	AI	3	7
REFLAIR A RF2 -	white	R	EL3104	12	-I3	AI	3	26
REFLAIR A LO2 +	green	R	EL3104	12	+I4	AI	3	8
REFLAIR A LO2 -	white	R	EL3104	12	-I4	AI	3	27
POBAIR B RF1 +	green	R	EL3104	13	+I1	AI	3	9
POBAIR B RF1 -	white	R	EL3104	13	-I1	AI	3	28
POBAIR B LO1 +	green	R	EL3104	13	+I2	AI	3	10
POBAIR B LO1 -	white	R	EL3104	13	-I2	AI	3	29
POBAIR B RF2 +	green	R	EL3104	13	+I3	AI	3	11
POBAIR B RF2 -	white	R	EL3104	13	-I3	AI	3	30
POBAIR B LO2 +	green	R	EL3104	13	+I4	AI	3	12
POBAIR B LO2 -	white	R	EL3104	13	-I4	AI	3	31
REFLAIR B RF1 +	green	R	EL3104	14	+I1	AI	3	13
REFLAIR B RF1 -	white	R	EL3104	14	-I1	AI	3	32
REFLAIR B LO1 +	green	R	EL3104	14	+I2	AI	3	14
REFLAIR B LO1 -	white	R	EL3104	14	-I2	AI	3	33
REFLAIR B RF2 +	green	R	EL3104	14	+I3	AI	3	15
REFLAIR B RF2 -	white	R	EL3104	14	-I3	AI	3	34
REFLAIR B LO2 +	green	R	EL3104	14	+I4	AI	3	16
REFLAIR B LO2 -	white	R	EL3104	14	-I4	AI	3	35
LSC Demod AS								
AS RF1 +	green	R	EL3104	16	+I1	AI	4	1
AS RF1 -	white	R	EL3104	16	-I1	AI	4	20
AS LO1 +	green	R	EL3104	16	+I2	AI	4	2
AS LO1 -	white	R	EL3104	16	-I2	AI	4	21
AS RF2 +	green	R	EL3104	16	+I3	AI	4	3
AS RF2 -	white	R	EL3104	16	-I3	AI	4	22
AS LO2 +	green	R	EL3104	16	+I4	AI	4	4
AS LO2 -	white	R	EL3104	16	-I4	AI	4	23
AS RF3 +	green	R	EL3104	17	+I1	AI	4	5
AS RF3 -	white	R	EL3104	17	-I1	AI	4	24
AS LO3 +	green	R	EL3104	17	+I2	AI	4	6
AS LO3 -	white	R	EL3104	17	-I2	AI	4	25

AS RF4 +	green	R	EL3104	17	+I3	AI	4	7
AS RF4 -	white	R	EL3104	17	-I3	AI	4	26
AS LO4 +	green	R	EL3104	17	+I4	AI	4	8
AS LO4 -	white	R	EL3104	17	-I4	AI	4	27
ASAIR A RF1 +	green	R	EL3104	18	+I1	AI	4	9
ASAIR A RF1 -	white	R	EL3104	18	-I1	AI	4	28
ASAIR A LO1 +	green	R	EL3104	18	+I2	AI	4	10
ASAIR A LO1 -	white	R	EL3104	18	-I2	AI	4	29
ASAIR A RF2 +	green	R	EL3104	18	+I3	AI	4	11
ASAIR A RF2 -	white	R	EL3104	18	-I3	AI	4	30
ASAIR A LO2 +	green	R	EL3104	18	+I4	AI	4	12
ASAIR A LO2 -	white	R	EL3104	18	-I4	AI	4	31
ASAIR B RF1 +	green	R	EL3104	19	+I1	AI	4	13
ASAIR B RF1 -	white	R	EL3104	19	-I1	AI	4	32
ASAIR B LO1 +	green	R	EL3104	19	+I2	AI	4	14
ASAIR B LO1 -	white	R	EL3104	19	-I2	AI	4	33
ASAIR B RF2 +	green	R	EL3104	19	+I3	AI	4	15
ASAIR B RF2 -	white	R	EL3104	19	-I3	AI	4	34
ASAIR B LO2 +	green	R	EL3104	19	+I4	AI	4	16
ASAIR B LO2 -	white	R	EL3104	19	-I4	AI	4	35
5VRET_7	black	R	EL1124	20	-	P	4	19
AS OK1	brown	R	EL1124	20	I1	BI	4	17
AS Sign chn 1	brown	R	EL1124	20	I2	BI	4	18
AS Sign chn 2	brown	R	EL1124	20	I3	BI	4	37
AS OK2	brown	R	EL1124	20	I4	BI	4	36