

Squeezer Controls Chassis 2		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	EL9410	11	24V	P	TBLOCK	
0V	gray	L	EL9410	11	0V	P	TBLOCK	
5V_1	red	L	EL9410	11	+	P	DC_1	+V
5VRET_1	black	L	EL9410	11	-	P	DC_1	-V
5V_2	red	L	EL9190	17	+	P	DC_2	+V
5VRET_2	black	L	EL9190	17	-	P	DC_2	-V
24V	violet	L	OMRON	DC_2	24V	P	TBLOCK	
0V	gray	L	OMRON	DC_2	0V	P	TBLOCK	
Coupler								
Input	CAT5	L	EK1101	0	X2	Comm.	IN	
Output	CAT5	L	EK1101	0	X2	Comm.	M/O	X1
Common Mode Servo B								
Input monitor +	green	L	EL3104	1	+11	AI	9	9
Input monitor -	white	L	EL3104	1	-11	AI	9	28
Monitor at split +	green	L	EL3104	1	+12	AI	9	10
Monitor at split -	white	L	EL3104	1	-12	AI	9	29
Fast monitor +	green	L	EL3104	1	+13	AI	9	11
Fast monitor -	white	L	EL3104	1	-13	AI	9	30
Slow path feedback monitor +	green	L	EL3104	1	+14	AI	9	12
Slow path feedback monitor -	white	L	EL3104	1	-14	AI	9	31
5VRET_1	black	L	EL3102	2	COM	P	DC_1	-V
Slow monitor +	green	L	EL3102	2	+11	AI	9	13
Slow monitor -	white	L	EL3102	2	-11	AI	9	32
	green	L	EL3102	2	+12	AI		
	white	L	EL3102	2	-12	AI		
Common path offset +	blue	L	EL4134	3	O1	AO	9	15
Common path offset -	yellow	L	EL4134	3	COM	AO	9	34
Slow path offset +	blue	L	EL4134	3	O2	AO	9	16
Slow path offset -	yellow	L	EL4134	3	COM	AO	9	35
Slow path ouput offset +	blue	L	EL4134	3	O1	AO	9	17
Slow path ouput offset -	yellow	L	EL4134	3	COM	AO	9	36
	blue	L	EL4134	3	O2	AO		
	yellow	L	EL4134	3	COM	AO		
5VRET_1	black	L	EL1124	4	-	P	9	19
Fast path limits reached	brown	L	EL1124	4	I1	BI	9	6
OK	brown	L	EL1124	4	I2	BI	9	25
	brown	L	EL1124	4	I3	BI		
	brown	L	EL1124	4	I4	BI		
Gain slider fast path bit 0	orange	L	EL2124	5	O1	BO	9	1
Gain slider fast path bit 1	orange	L	EL2124	5	O2	BO	9	20
Gain slider fast path bit 2	orange	L	EL2124	5	O3	BO	9	2
Gain slider fast path bit 3	orange	L	EL2124	5	O4	BO	9	21
5VRET_1	black	L	EL2124	6	-	P	9	4
Gain slider fast path bit 4	orange	L	EL2124	6	O1	BO	9	3
Gain slider fast path bit 5	orange	L	EL2124	6	O2	BO	9	22
Excitation B enable	orange	L	EL2124	6	O3	BO	9	23
Option B enable	orange	L	EL2124	6	O4	BO	9	5
LE	orange	L	EL2124	7	O1	BO	9	24
Excitation slow path	orange	L	EL2124	7	O2	BO	9	7
Polarity input 1 path	orange	L	EL2124	7	O3	BO	9	26
Polarity input 2 path	orange	L	EL2124	7	O4	BO	9	8
5VRET_1	black	L	EL2124	8	-	P	10	4
Gain slider input 1 bit 0	orange	L	EL2124	8	O1	BO	10	1
Gain slider input 1 bit 1	orange	L	EL2124	8	O2	BO	10	20
Gain slider input 1 bit 2	orange	L	EL2124	8	O3	BO	10	2
Gain slider input 1 bit 3	orange	L	EL2124	8	O4	BO	10	21

Gain slider input 1 bit 4	orange	L	EL2124	9	O1	BO	10	3
Gain slider input 1 bit 5	orange	L	EL2124	9	O2	BO	10	22
Gain slider input 2 bit 0	orange	L	EL2124	9	O3	BO	10	23
Gain slider input 2 bit 1	orange	L	EL2124	9	O4	BO	10	5
Gain slider input 2 bit 2	orange	L	EL2124	10	O1	BO	10	24
Gain slider input 2 bit 3	orange	L	EL2124	10	O2	BO	10	6
Gain slider input 2 bit 4	orange	L	EL2124	10	O3	BO	10	25
Gain slider input 2 bit 5	orange	L	EL2124	10	O4	BO	10	7
Input 1 enable	orange	L	EL2124	12	O1	BO	10	8
Input 2 enable	orange	L	EL2124	12	O2	BO	10	27
Output 1 switch	orange	L	EL2124	12	O3	BO	10	9
Boost stages bit 0	orange	L	EL2124	12	O4	BO	10	28
Boost stages bit 1	orange	L	EL2124	13	O1	BO	10	10
Compensation enable	orange	L	EL2124	13	O2	BO	10	29
Excitation A enable	orange	L	EL2124	13	O3	BO	10	30
Option A enable	orange	L	EL2124	13	O4	BO	10	12
SVRET_1	black	L	EL2124	14	-	P	10	33
Polarity slow path	orange	L	EL2124	14	O1	BO	10	31
Common filter enable	orange	L	EL2124	14	O2	BO	10	13
Fast path enable	orange	L	EL2124	14	O3	BO	10	32
Fast path polarity	orange	L	EL2124	14	O4	BO	10	14
Slow path option enable	orange	L	EL2124	15	O1	BO	10	15
Bypass enable	orange	L	EL2124	15	O2	BO	10	34
Slow output offset +5V fixed	orange	L	EL2124	15	O3	BO	10	16
Slow output offset enable	orange	L	EL2124	15	O4	BO	10	35
Slow path compensation enable	orange	L	EL2124	16	O1	BO	10	17
Slow path boost enable	orange	L	EL2124	16	O2	BO	10	36
Slow path filter enable	orange	L	EL2124	16	O3	BO	10	37
Fast path limiter enable	orange	L	EL2124	16	O4	BO	10	19
Delay Line Phase Shifter C/D								
SVRET_2	black	L	EL2124	18	-	P	11	14
Bit 0/A	orange	L	EL2124	18	O1	BO	11	1
Bit 1/A	orange	L	EL2124	18	O2	BO	11	2
Bit 2/A	orange	L	EL2124	18	O3	BO	11	3
Bit 3/A	orange	L	EL2124	18	O4	BO	11	4
Bit 4/A	orange	L	EL2124	19	O1	BO	11	5
Bit 5/A	orange	L	EL2124	19	O2	BO	11	6
Bit 6/A	orange	L	EL2124	19	O3	BO	11	7
Bit 7/A	orange	L	EL2124	19	O4	BO	11	8
Bit 8/A	orange	L	EL2124	20	O1	BO	11	9
LE/A	orange	L	EL2124	20	O2	BO	11	10
Bit 0/B	orange	L	EL2124	20	O3	BO	12	1
Bit 1/B	orange	L	EL2124	20	O4	BO	12	2
SVRET_2	black	L	EL2124	21	-	P	12	14
Bit 2/B	orange	L	EL2124	21	O1	BO	12	3
Bit 3/B	orange	L	EL2124	21	O2	BO	12	4
Bit 4/B	orange	L	EL2124	21	O3	BO	12	5
Bit 5/B	orange	L	EL2124	21	O4	BO	12	6
Bit 6/B	orange	L	EL2124	22	O1	BO	12	7
Bit 7/B	orange	L	EL2124	22	O2	BO	12	8
Bit 8/B	orange	L	EL2124	22	O3	BO	12	9
LE/B	orange	L	EL2124	22	O4	BO	12	10

Squeezer Controls Chassis 2				Middle Rail				
Name	Color	RaiM	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	EK1101	0	24V	P	TBLOCK	
0V	gray	M	EK1101	0	0V	P	TBLOCK	
5V_3	red	M	EK1101	0	+	P	DC_3	+V
5VRET_3	black	M	EK1101	0	-	P	DC_3	-V
24V	violet	M	EL9410	11	24V	P	TBLOCK	
0V	gray	M	EL9410	11	0V	P	TBLOCK	
5V_3	red	M	EL9410	11	+	P	DC_3	+V
5VRET_3	black	M	EL9410	11	-	P	DC_3	-V
5V_4	red	M	EL9190	17	+	P	DC_4	+V
5VRET_4	black	M	EL9190	17	-	P	DC_4	-V
24V	violet	M	OMRON	DC_4	24V	P	TBLOCK	
0V	gray	M	OMRON	DC_4	0V	P	TBLOCK	
Coupler								
Output	CAT5	M	EK1100	0	X2	Comm.	R/O	X1
Common Mode Servo B								
Input monitor +	green	M	EL3104	1	+1	AI	5	9
Input monitor -	white	M	EL3104	1	-1	AI	5	28
Monitor at split +	green	M	EL3104	1	+2	AI	5	10
Monitor at split -	white	M	EL3104	1	-2	AI	5	29
Fast monitor +	green	M	EL3104	1	+3	AI	5	11
Fast monitor -	white	M	EL3104	1	-3	AI	5	30
Slow path feedback monitor +	green	M	EL3104	1	+4	AI	5	12
Slow path feedback monitor -	white	M	EL3104	1	-4	AI	5	31
5VRET_3	black	M	EL3102	2	COM	P	DC_3	-V
Slow monitor +	green	M	EL3102	2	+1	AI	5	13
Slow monitor -	white	M	EL3102	2	-1	AI	5	32
	green	M	EL3102	2	+2	AI		
	white	M	EL3102	2	-2	AI		
Common path offset +	blue	M	EL4134	3	O1	AO	5	15
Common path offset -	yellow	M	EL4134	3	COM	AO	5	34
Slow path offset +	blue	M	EL4134	3	O2	AO	5	16
Slow path offset -	yellow	M	EL4134	3	COM	AO	5	35
Slow path output offset +	blue	M	EL4134	3	O1	AO	5	17
Slow path output offset -	yellow	M	EL4134	3	COM	AO	5	36
	blue	M	EL4134	3	O2	AO		
	yellow	M	EL4134	3	COM	AO		
5VRET_3	black	M	EL1124	4	-	P	5	19
Fast path limits reached	brown	M	EL1124	4	I1	BI	5	6
OK	brown	M	EL1124	4	I2	BI	5	25
	brown	M	EL1124	4	I3	BI		
	brown	M	EL1124	4	I4	BI		
Gain slider fast path bit 0	orange	M	EL2124	5	O1	BO	5	1
Gain slider fast path bit 1	orange	M	EL2124	5	O2	BO	5	20
Gain slider fast path bit 2	orange	M	EL2124	5	O3	BO	5	2
Gain slider fast path bit 3	orange	M	EL2124	5	O4	BO	5	21
5VRET_3	black	M	EL2124	6	-	P	5	4
Gain slider fast path bit 4	orange	M	EL2124	6	O1	BO	5	3
Gain slider fast path bit 5	orange	M	EL2124	6	O2	BO	5	22
Excitation B enable	orange	M	EL2124	6	O3	BO	5	23
Option B enable	orange	M	EL2124	6	O4	BO	5	5
LE	orange	M	EL2124	7	O1	BO	5	24
Excitation slow path	orange	M	EL2124	7	O2	BO	5	7
Polarity input 1 path	orange	M	EL2124	7	O3	BO	5	26
Polarity input 2 path	orange	M	EL2124	7	O4	BO	5	8
5VRET_3	black	M	EL2124	8	-	P	6	4
Gain slider input 1 bit 0	orange	M	EL2124	8	O1	BO	6	1
Gain slider input 1 bit 1	orange	M	EL2124	8	O2	BO	6	20
Gain slider input 1 bit 2	orange	M	EL2124	8	O3	BO	6	2
Gain slider input 1 bit 3	orange	M	EL2124	8	O4	BO	6	21
Gain slider input 1 bit 4	orange	M	EL2124	9	O1	BO	6	3

Gain slider input 1 bit 5	orange	M	EL2124	9	O2	BO	6	22
Gain slider input 2 bit 0	orange	M	EL2124	9	O3	BO	6	23
Gain slider input 2 bit 1	orange	M	EL2124	9	O4	BO	6	5
Gain slider input 2 bit 2	orange	M	EL2124	10	O1	BO	6	24
Gain slider input 2 bit 3	orange	M	EL2124	10	O2	BO	6	6
Gain slider input 2 bit 4	orange	M	EL2124	10	O3	BO	6	25
Gain slider input 2 bit 5	orange	M	EL2124	10	O4	BO	6	7
Input 1 enable	orange	M	EL2124	12	O1	BO	6	8
Input 2 enable	orange	M	EL2124	12	O2	BO	6	27
Output 1 switch	orange	M	EL2124	12	O3	BO	6	9
Boost stages bit 0	orange	M	EL2124	12	O4	BO	6	28
Boost stages bit 1	orange	M	EL2124	13	O1	BO	6	10
Compensation enable	orange	M	EL2124	13	O2	BO	6	29
Excitation A enable	orange	M	EL2124	13	O3	BO	6	30
Option A enable	orange	M	EL2124	13	O4	BO	6	12
SVRET_3	black	M	EL2124	14	-	P	6	33
Polarity slow path	orange	M	EL2124	14	O1	BO	6	31
Common filter enable	orange	M	EL2124	14	O2	BO	6	13
Fast path enable	orange	M	EL2124	14	O3	BO	6	32
Fast path polarity	orange	M	EL2124	14	O4	BO	6	14
Slow path option enable	orange	M	EL2124	15	O1	BO	6	15
Bypass enable	orange	M	EL2124	15	O2	BO	6	34
Slow output offset +5V fixed	orange	M	EL2124	15	O3	BO	6	16
Slow output offset enable	orange	M	EL2124	15	O4	BO	6	35
Slow path compensation enable	orange	M	EL2124	16	O1	BO	6	17
Slow path boost enable	orange	M	EL2124	16	O2	BO	6	36
Slow path filter enable	orange	M	EL2124	16	O3	BO	6	37
Fast path limiter enable	orange	M	EL2124	16	O4	BO	6	19
Delay Line Phase Shifter C/D								
SVRET_4	black	M	EL2124	18	-	P	7	14
Bit 0/A	orange	M	EL2124	18	O1	BO	7	1
Bit 1/A	orange	M	EL2124	18	O2	BO	7	2
Bit 2/A	orange	M	EL2124	18	O3	BO	7	3
Bit 3/A	orange	M	EL2124	18	O4	BO	7	4
Bit 4/A	orange	M	EL2124	19	O1	BO	7	5
Bit 5/A	orange	M	EL2124	19	O2	BO	7	6
Bit 6/A	orange	M	EL2124	19	O3	BO	7	7
Bit 7/A	orange	M	EL2124	19	O4	BO	7	8
Bit 8/A	orange	M	EL2124	20	O1	BO	7	9
LE/A	orange	M	EL2124	20	O2	BO	7	10
Bit 0/B	orange	M	EL2124	20	O3	BO	8	1
Bit 1/B	orange	M	EL2124	20	O4	BO	8	2
SVRET_4	black	M	EL2124	21	-	P	8	14
Bit 2/B	orange	M	EL2124	21	O1	BO	8	3
Bit 3/B	orange	M	EL2124	21	O2	BO	8	4
Bit 4/B	orange	M	EL2124	21	O3	BO	8	5
Bit 5/B	orange	M	EL2124	21	O4	BO	8	6
Bit 6/B	orange	M	EL2124	22	O1	BO	8	7
Bit 7/B	orange	M	EL2124	22	O2	BO	8	8
Bit 8/B	orange	M	EL2124	22	O3	BO	8	9
LE/B	orange	M	EL2124	22	O4	BO	8	10

Squeezer Controls Chassis 2				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	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	5	+	P	DC_6	+V
5VRET_6	black	R	EL9190	5	-	P	DC_6	-V
24V	violet	R	EL9410	10	24V	P	TBLOCK	
0V	gray	R	EL9410	10	0V	P	TBLOCK	
24V	violet	R	EL9410	10	24V	P	TBLOCK	
0V	gray	R	EL9410	10	0V	P	TBLOCK	
24V	violet	R	EL9410	15	24V	P	TBLOCK	
0V	gray	R	EL9410	15	0V	P	TBLOCK	
5V_7	red	R	EL9410	15	+	P	DC_7	+V
5VRET_7	black	R	EL9410	15	-	P	DC_7	-V
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		TBLOCK		24V	P	2	24V
0V	gray		TBLOCK		0V	P	2	0V
24V	violet		TBLOCK		24V	P	3	24V
0V	gray		TBLOCK		0V	P	3	0V
Coupler								
Output	CAT5	R	EK1100	0	X2	Comm.	OUT	
PZT Driver A								
Monitor 1+	green	R	EL3104	1	+11	AI	A	5
Monitor 1-	white	R	EL3104	1	-11	AI	A	8
Monitor 2+	green	R	EL3104	1	+12	AI	A	13
Monitor 2-	white	R	EL3104	1	-12	AI	A	8
Monitor 3+	green	R	EL3104	1	+13	AI	A	6
Monitor 3-	white	R	EL3104	1	-13	AI	A	8
Monitor 4+	green	R	EL3104	1	+14	AI	A	14
Monitor 4-	white	R	EL3104	1	-14	AI	A	8
Offset 1+	blue	R	EL4134	2	O1	AO	A	1
Offset 1-	yellow	R	EL4134	2	COM	AO	A	9
Offset 2+	blue	R	EL4134	2	O2	AO	A	2
Offset 2-	yellow	R	EL4134	2	COM	AO	A	10
Offset 3+	blue	R	EL4134	2	O1	AO	A	3
Offset 3-	yellow	R	EL4134	2	COM	AO	A	11
Offset 4+	blue	R	EL4134	2	O2	AO	A	4
Offset 4-	yellow	R	EL4134	2	COM	AO	A	12
5VRET_5	black	R	EL1124	3	-	P	A	8
OK	brown	R	EL1124	3	I1	BI	A	15
EXT	brown	R	EL1124	3	I2	BI	A	7
	brown	R	EL1124	3	I3	BI		
	brown	R	EL1124	3	I4	BI		
	orange	R	EL2124	4	O1	BO		
	orange	R	EL2124	4	O2	BO		
	orange	R	EL2124	4	O3	BO		
	orange	R	EL2124	4	O4	BO		
PZT Driver B								
Monitor 1+	green	R	EL3104	6	+11	AI	B	5
Monitor 1-	white	R	EL3104	6	-11	AI	B	8
Monitor 2+	green	R	EL3104	6	+12	AI	B	13
Monitor 2-	white	R	EL3104	6	-12	AI	B	8
Monitor 3+	green	R	EL3104	6	+13	AI	B	6
Monitor 3-	white	R	EL3104	6	-13	AI	B	8
Monitor 4+	green	R	EL3104	6	+14	AI	B	14
Monitor 4-	white	R	EL3104	6	-14	AI	B	8
Offset 1+	blue	R	EL4134	7	O1	AO	B	1

Offset 1 –	yellow	R	EL4134	7	COM	AO	B	9
Offset 2+	blue	R	EL4134	7	O2	AO	B	2
Offset 2–	yellow	R	EL4134	7	COM	AO	B	10
Offset 3+	blue	R	EL4134	7	O1	AO	B	3
Offset 3 –	yellow	R	EL4134	7	COM	AO	B	11
Offset 4+	blue	R	EL4134	7	O2	AO	B	4
Offset 4 –	yellow	R	EL4134	7	COM	AO	B	12
SVRET_6	black	R	EL1124	8	–	P	B	8
OK	brown	R	EL1124	8	I1	BI	B	15
EXT	brown	R	EL1124	8	I2	BI	B	7
	brown	R	EL1124	8	I3	BI		
	brown	R	EL1124	8	I4	BI		
	orange	R	EL2124	9	O1	BO		
	orange	R	EL2124	9	O2	BO		
	orange	R	EL2124	9	O3	BO		
	orange	R	EL2124	9	O4	BO		
OPO/SHG Oven								
GND	black	R	EL9410	10	0V	P	2	8
GND	black	R	EL9410	10	0V	P	3	8
Temperature Supply 1 +	red	R	EL3692	11	+R1	AI	2	1
Temperature Supply 1 –	black	R	EL3692	11	–R1	AI	2	9
Temperature Readback 1 +	green	R	EL3692	11	+RL1	AI	2	2
Temperature Readback 1 –	white	R	EL3692	11	–RL1	AI	2	10
Temperature Supply 2 +	red	R	EL3692	12	+R1	AI	3	1
Temperature Supply 2 –	black	R	EL3692	12	–R1	AI	3	9
Temperature Readback 2 +	green	R	EL3692	12	+RL1	AI	3	2
Temperature Readback 2 –	white	R	EL3692	12	–RL1	AI	3	10
Current monitor 1 +	green	R	EL3104	13	+I1	AI	2	6
Current monitor 1 –	white	R	EL3104	13	–I1	AI	2	14
Remote voltage monitor 1 +	green	R	EL3104	13	+I2	AI	2	7
Remote voltage monitor 1 –	white	R	EL3104	13	–I2	AI	2	15
Current monitor 2 +	green	R	EL3104	13	+I3	AI	3	6
Current monitor 2 –	white	R	EL3104	13	–I3	AI	3	14
Remote voltage monitor 2 +	green	R	EL3104	13	+I4	AI	3	7
Remote voltage monitor 2 –	white	R	EL3104	13	–I4	AI	3	15
Set current/voltage 1 +	blue	R	EL4132	14	O1	AO	2	3
Set current/voltage 1 –	yellow	R	EL4132	14	COM	AO	2	11
Set current/voltage 2 +	blue	R	EL4132	14	O2	AO	3	3
Set current/voltage 2 –	yellow	R	EL4132	14	COM	AO	3	11
VCXO								
Monitor 1 +	green	R	EL3104	16	+I1	AI	4	1
Monitor 1 –	white	R	EL3104	16	–I1	AI	4	14
Monitor 2 +	green	R	EL3104	16	+I2	AI	4	2
Monitor 2 –	white	R	EL3104	16	–I2	AI	4	15
Monitor 3 +	green	R	EL3104	16	+I3	AI	4	3
Monitor 3 –	white	R	EL3104	16	–I3	AI	4	16
Temp 1 +	green	R	EL3104	16	+I4	AI	4	4
Temp 1 –	white	R	EL3104	16	–I4	AI	4	17
Temp 2 +	green	R	EL3104	17	+I1	AI	4	5
Temp 2 –	white	R	EL3104	17	–I1	AI	4	18
Temp 3 +	green	R	EL3104	17	+I2	AI	4	6
Temp 3 –	white	R	EL3104	17	–I2	AI	4	19
Tune monitor +	green	R	EL3104	17	+I3	AI	4	10
Tune monitor –	white	R	EL3104	17	–I3	AI	4	23
Spare +	green	R	EL3104	17	+I4	AI	4	12
Spare –	white	R	EL3104	17	–I4	AI	4	25
Tune adjust +	blue	R	EL4132	18	O1	AO	4	11
Tune adjust –	yellow	R	EL4132	18	COM	AO	4	24
	yellow	R	EL4132	18	O2	AO		
	yellow	R	EL4132	18	COM	AO		
SVRET_4	black	R	EL1124	19	–	P	4	20
Excitation switch	brown	R	EL1124	19	I1	BI	4	9
OK	brown	R	EL1124	19	I2	BI	4	7
	brown	R	EL1124	19	I3	BI		
	brown	R	EL1124	19	I4	BI		
Excitation enable	orange	R	EL2124	20	O1	BO	4	8

	orange	R	EL2124	20	O2	BO		
	orange	R	EL2124	20	O3	BO		
	orange	R	EL2124	20	O4	BO		