

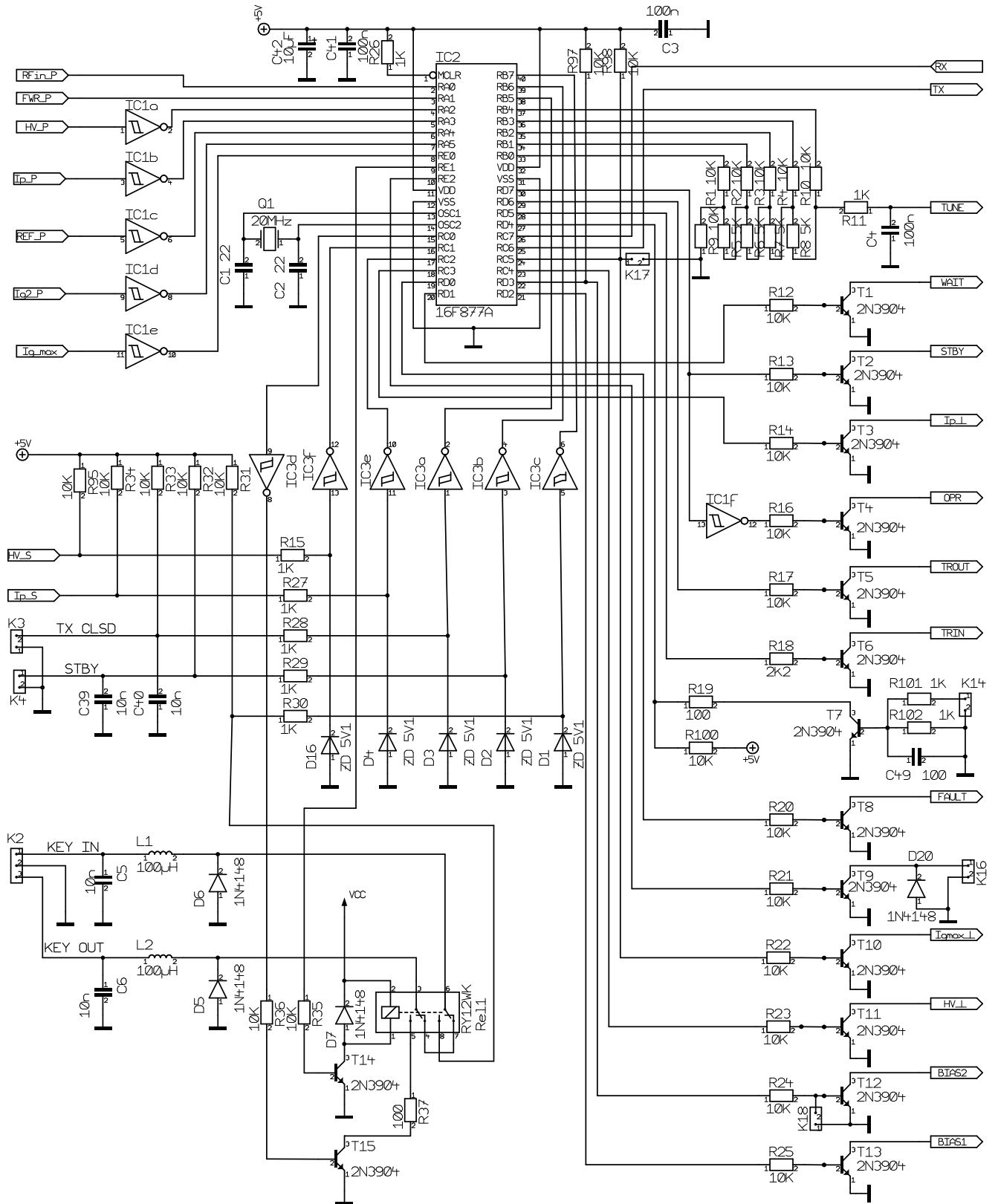
**OM Power**

**Exhibit 4: Schematics**

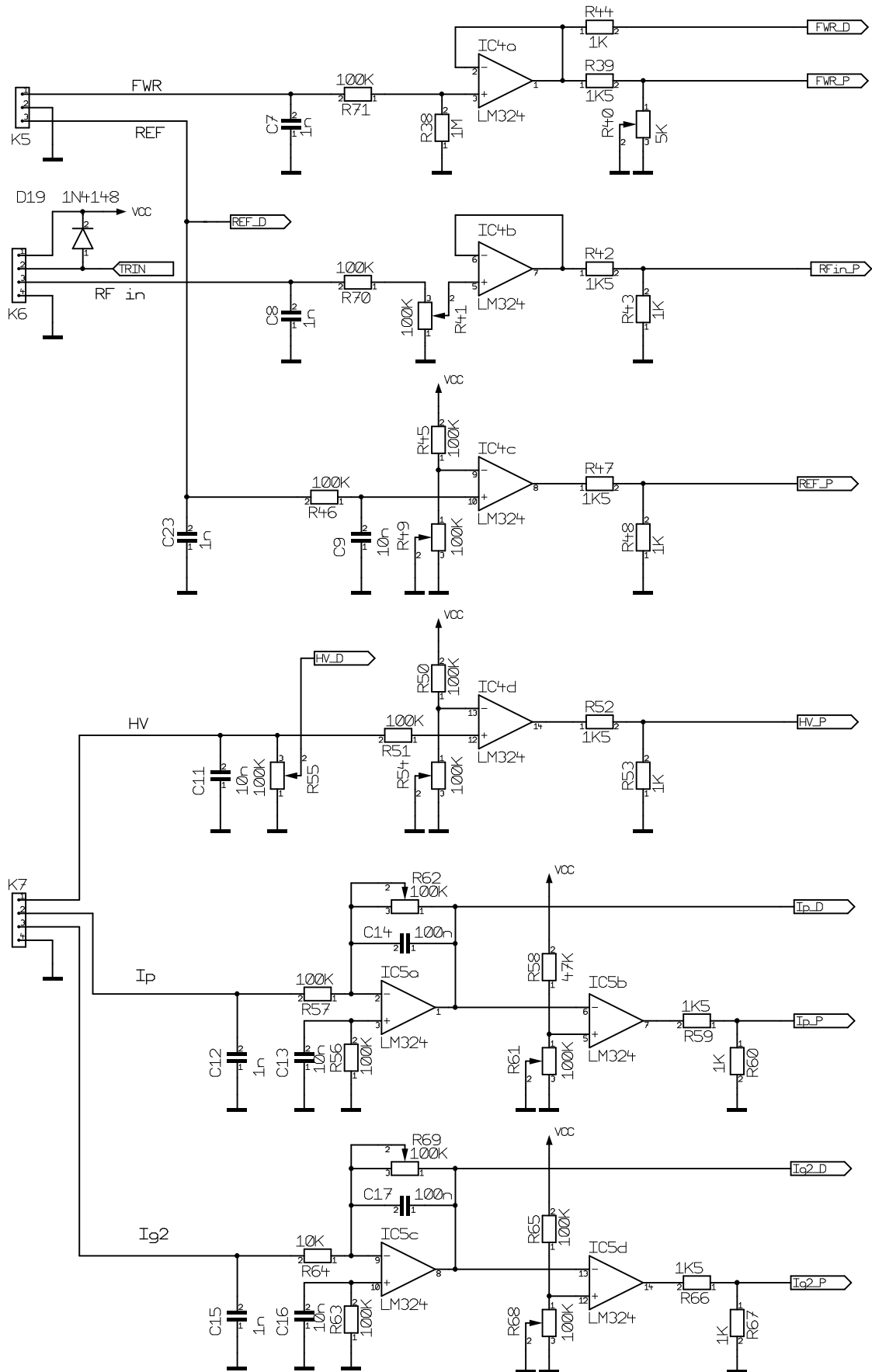
**External Radio Frequency  
Power Amplifier OM2500A**

**Model OM2500A**

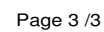
**Array Solutions**  
2611 North Beltline Rd  
Suite 109  
Sunnyvale, Texas 75182  
USA  
Tel: 214 954 7140  
fax: 214 954 7142  
E-mail: [info@arraysolutions.com](mailto:info@arraysolutions.com)

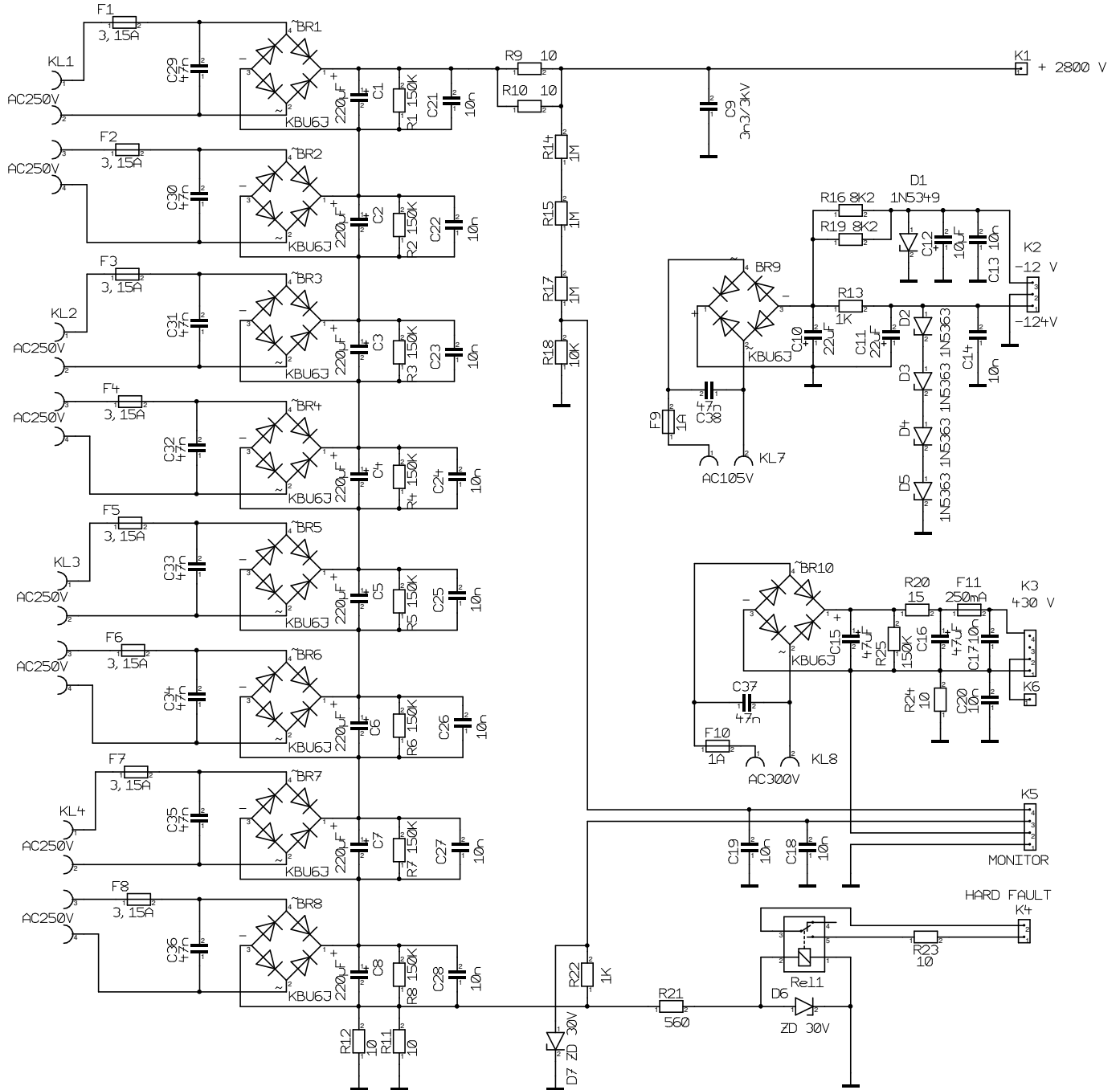


## Control board V12

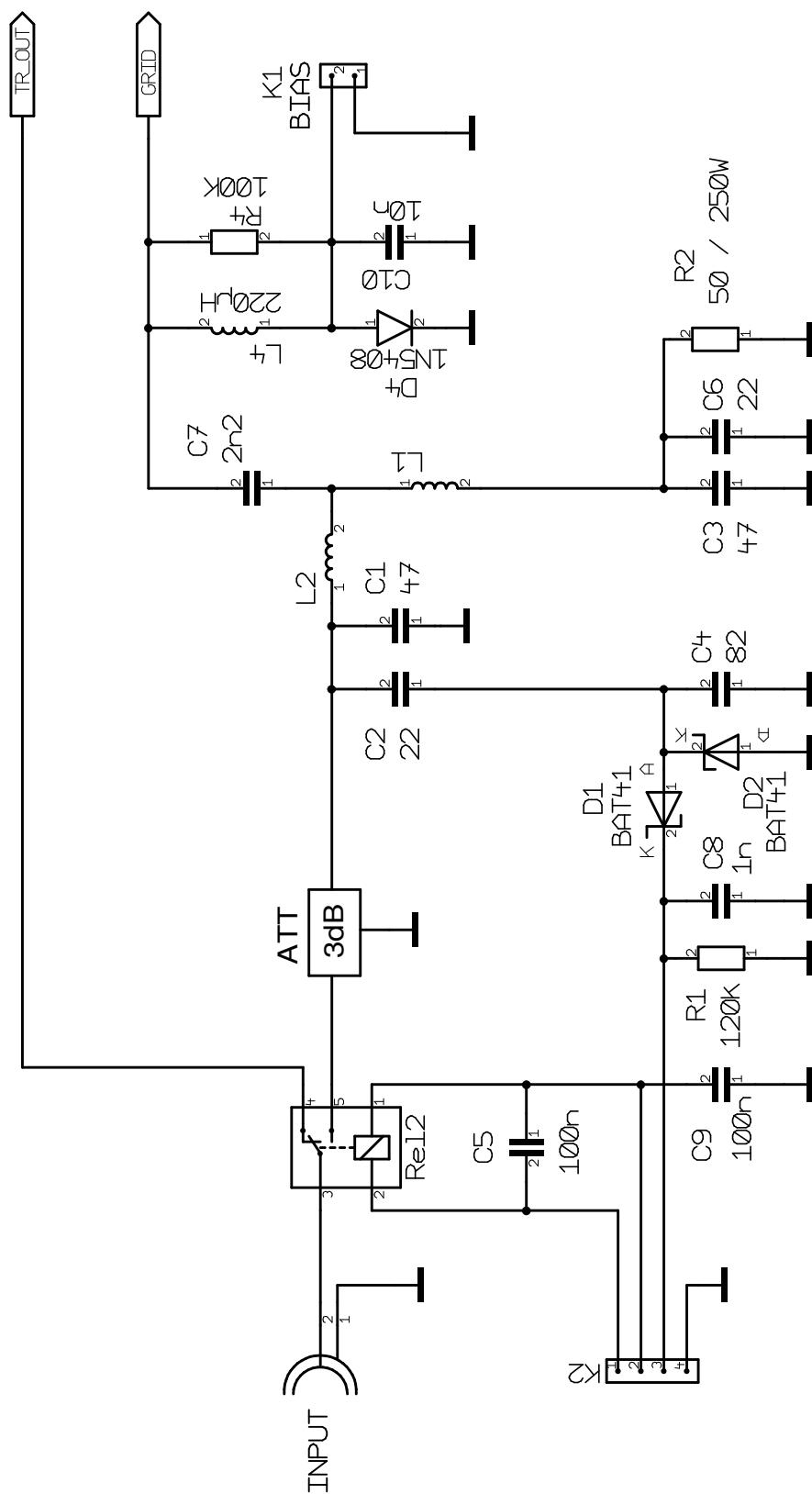


## Control board V12



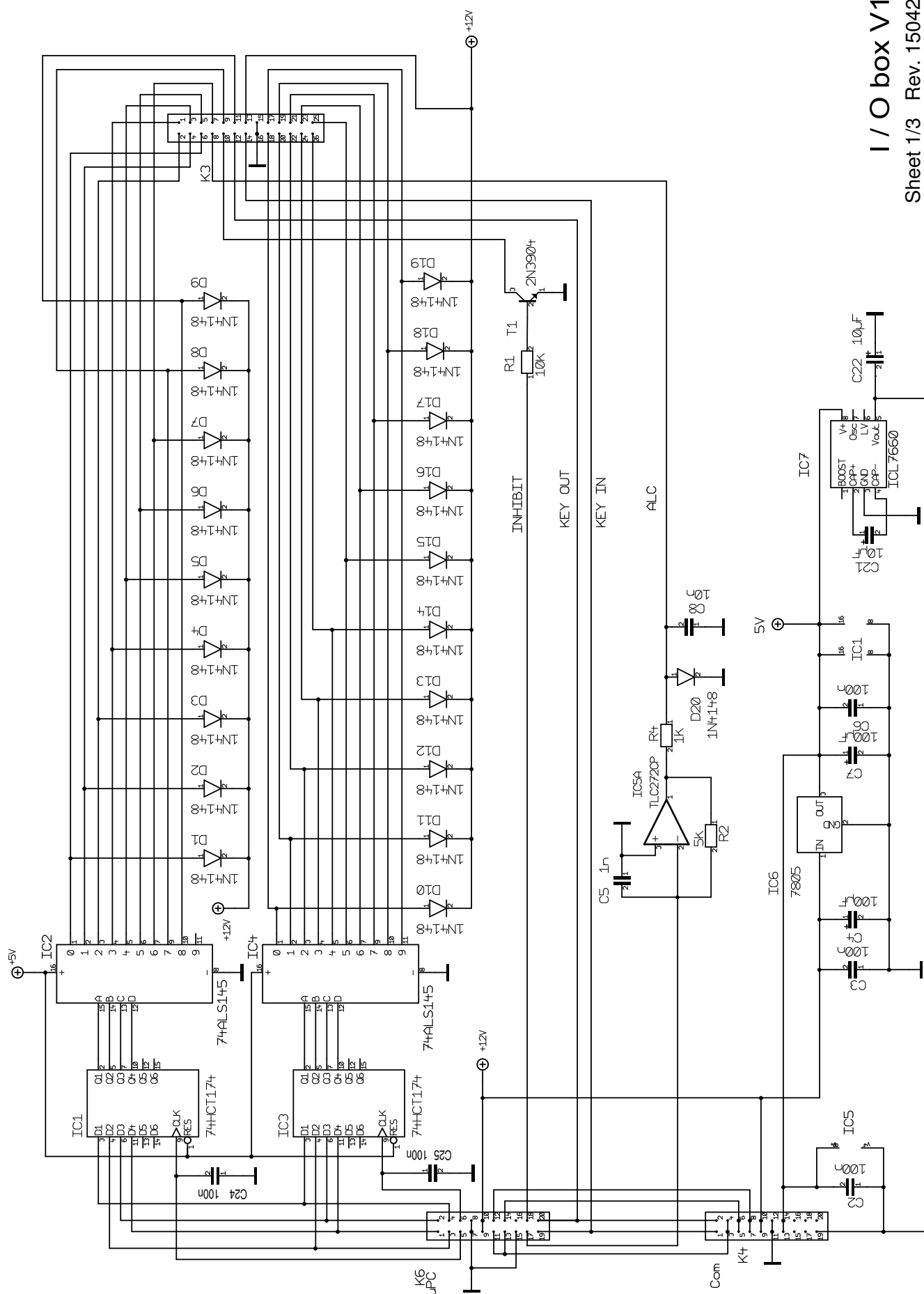


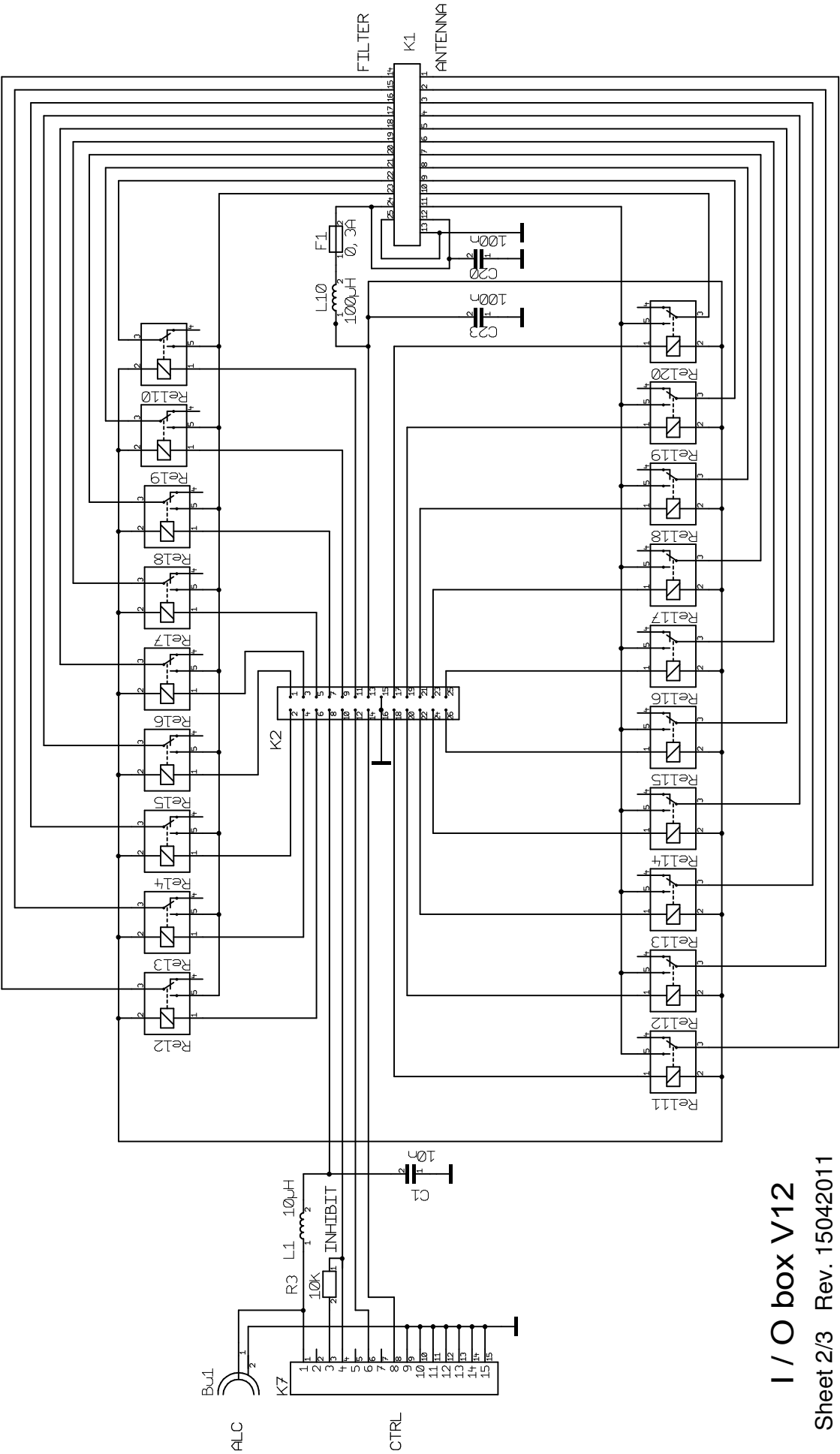
OM2500 HV supply V12



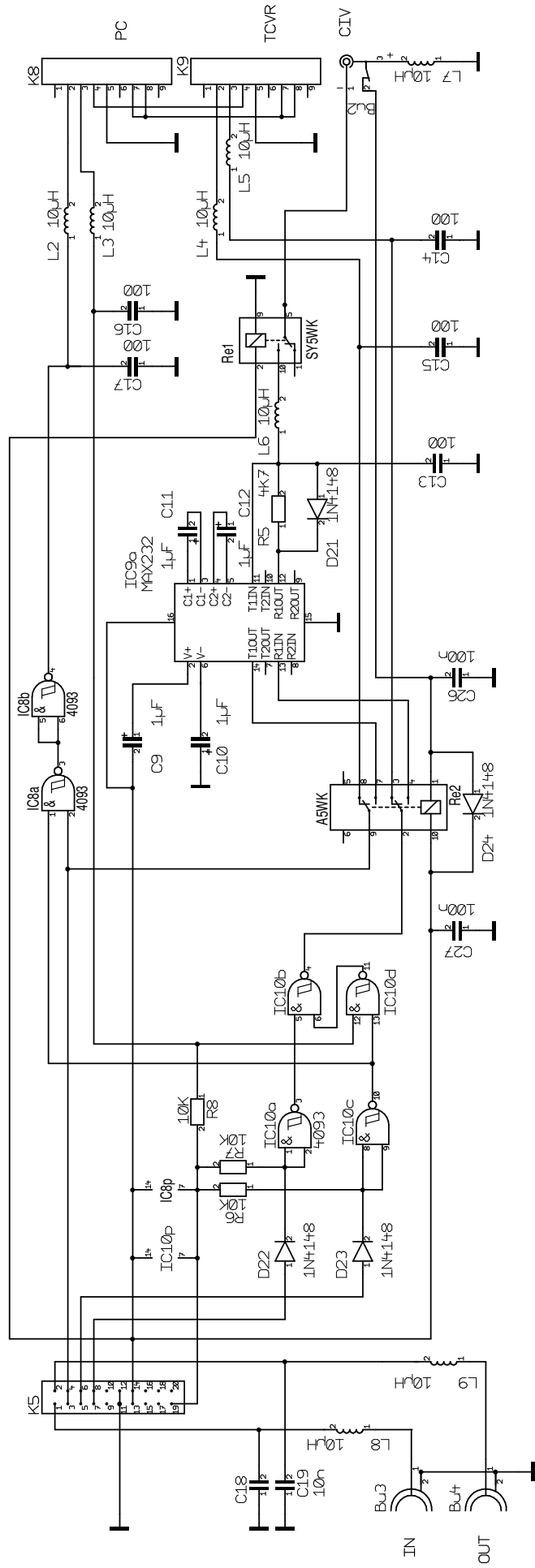
# Input board V12

Rev. 15.11.2011

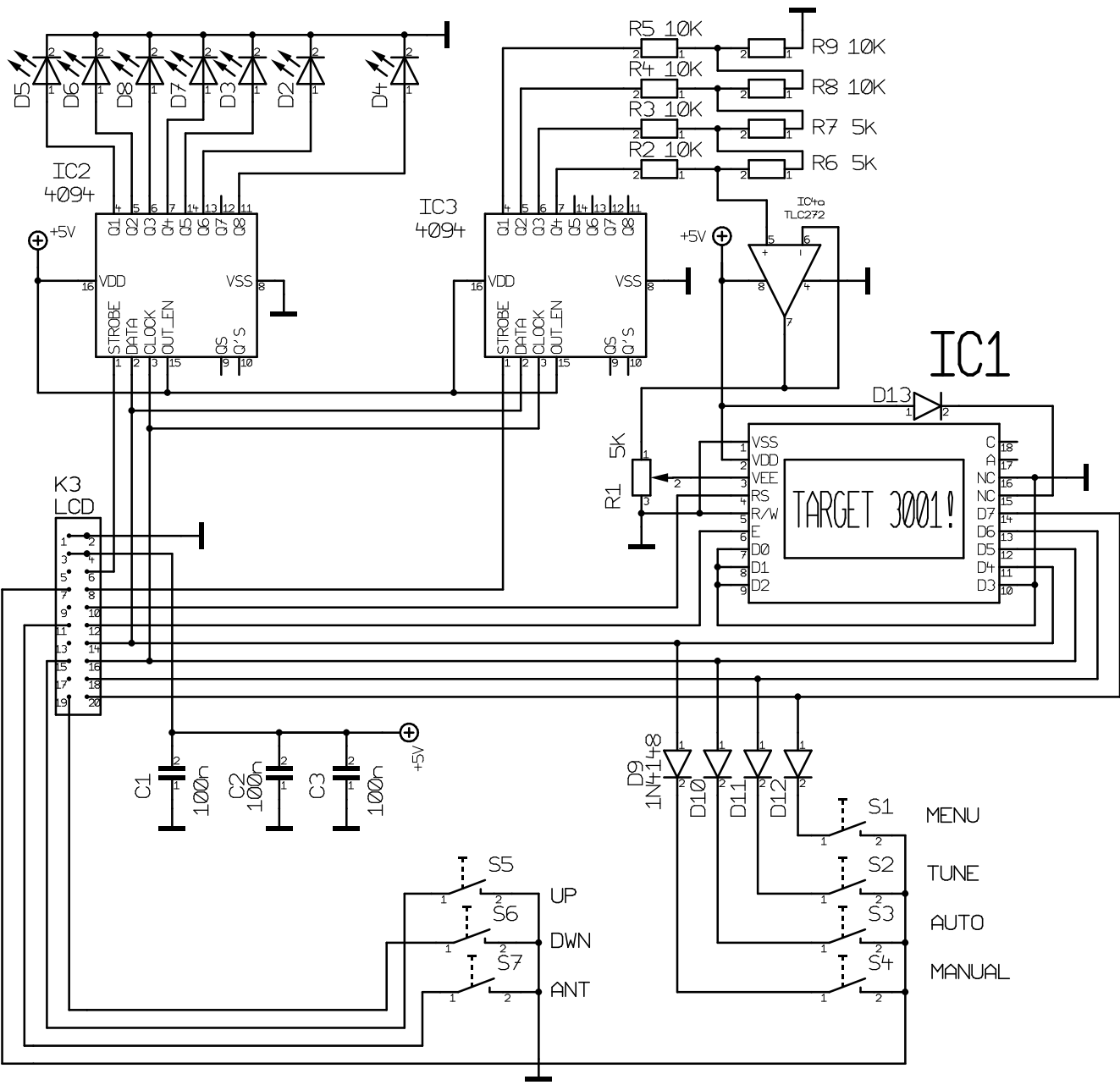






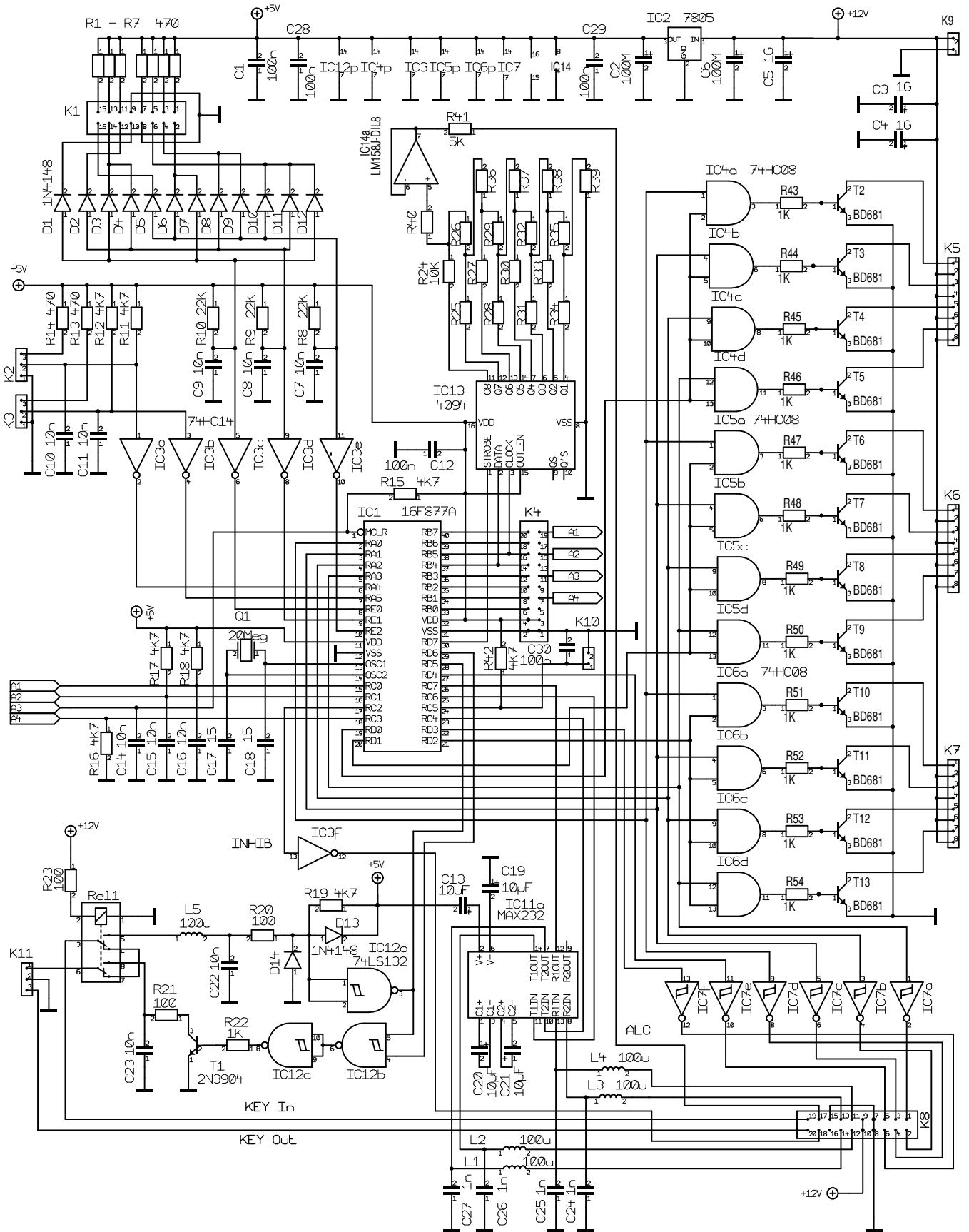


I / O box V12  
Sheet 3/3 Rev. 15042011

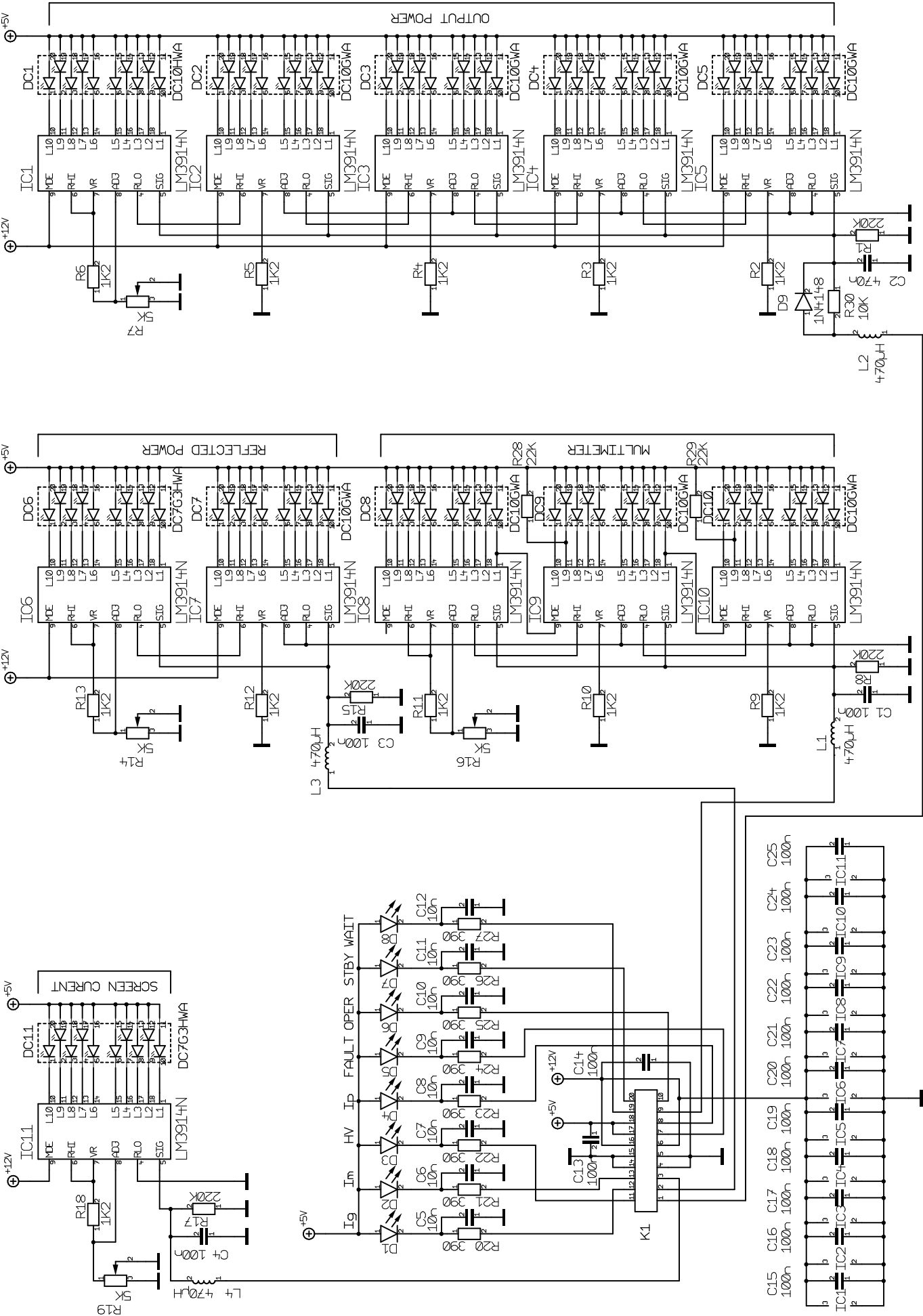


LCD display board

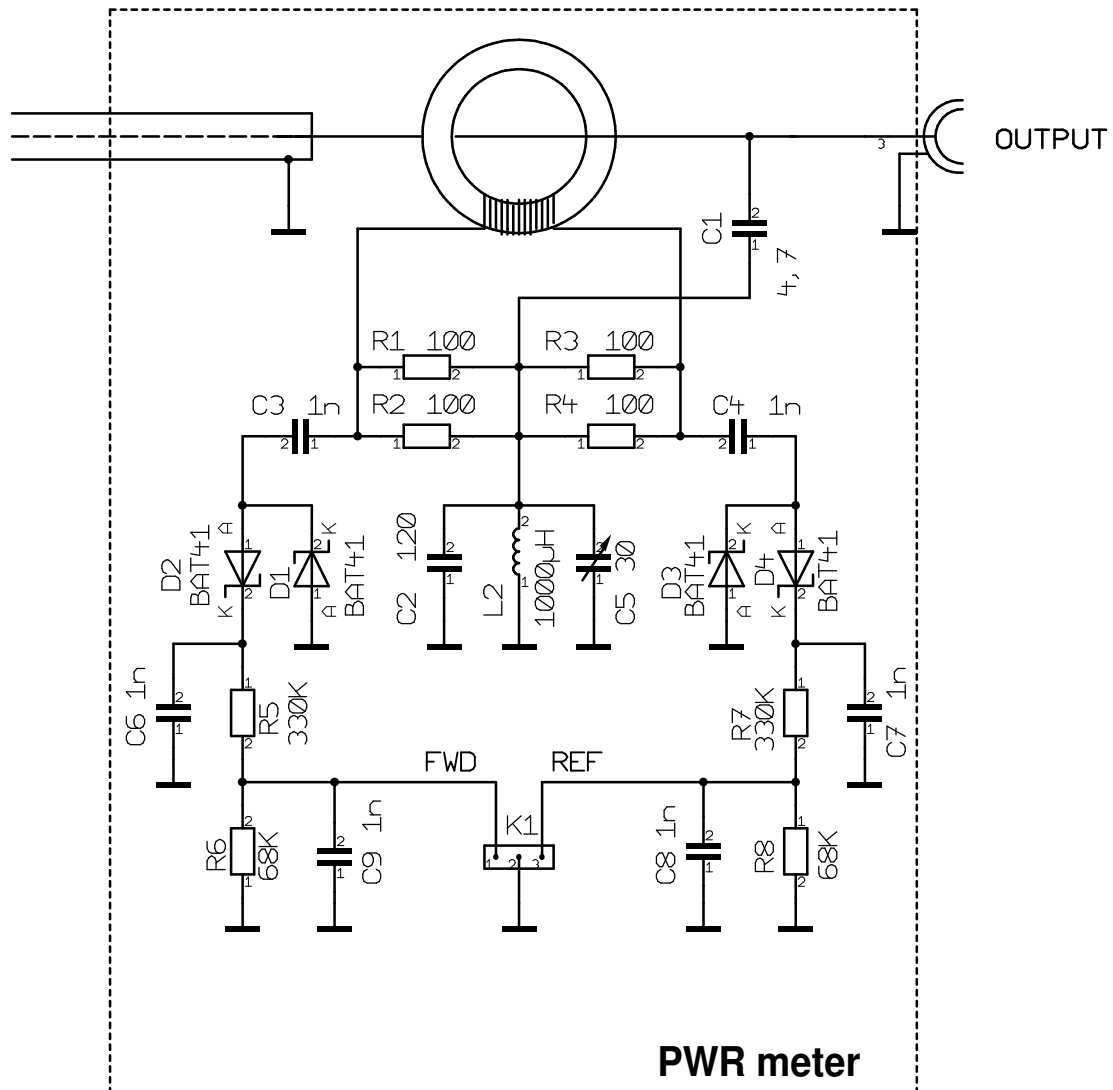
Rev. 15112011

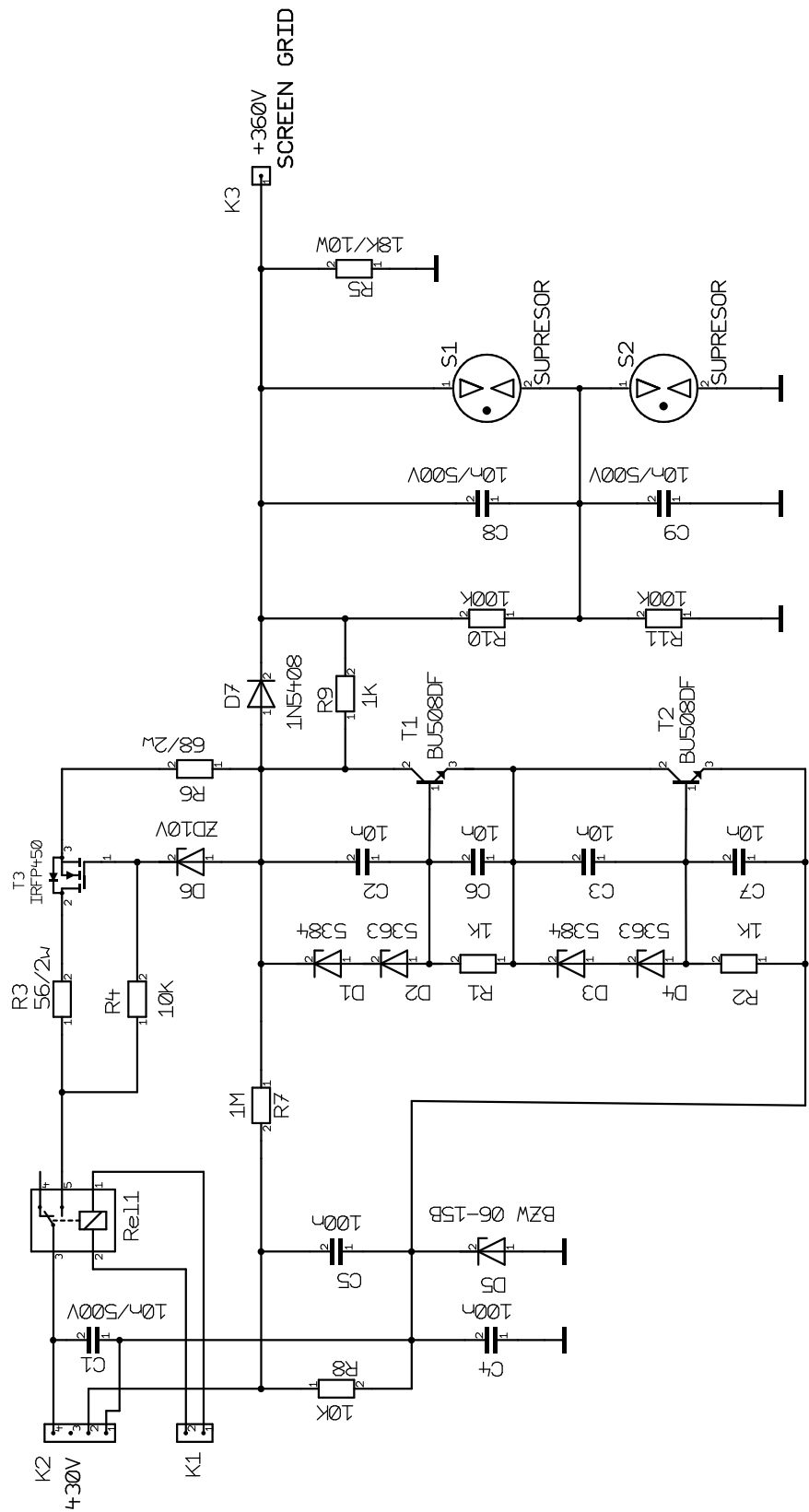


**Motor control board V11**  
Rev. 14042011

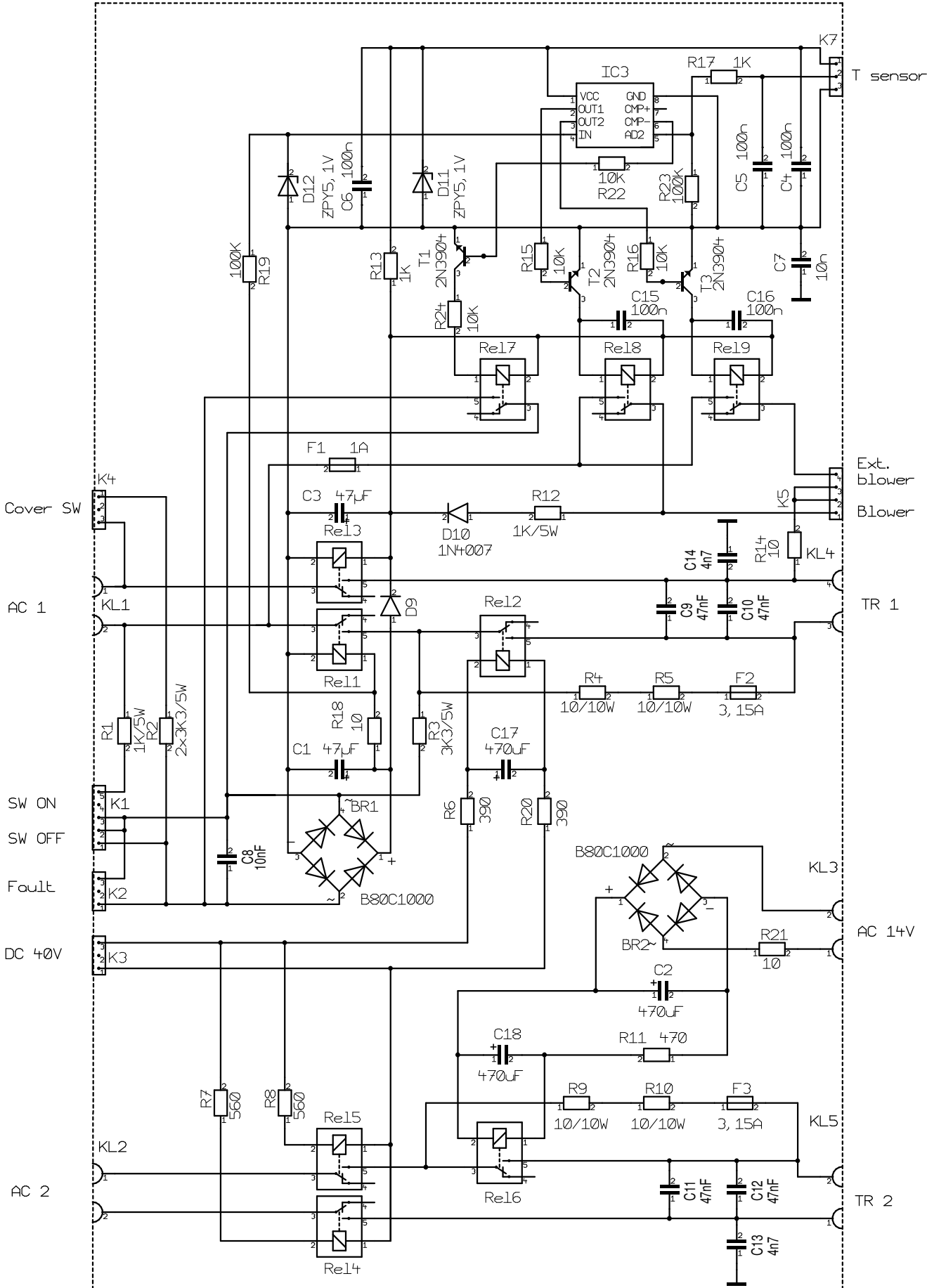


OM2500A DISPLAY board





**Screen board**  
Rev. 20.11.2011



## SW ON board V12

Rev 25112011

## CABLE HARNESS CONNECTIONS OM2500A

Nr.	FROM	CONNECTOR	TO	CONNECTOR
1	INPUT BOARD	X1	INPUT connector SO239	INPUT
2	INPUT BOARD	K2	CONTROL BOARD	K6
3	INPUT BOARD	K1	CONTROL BOARD	K10
4	INPUT BOARD	X2	TUBE control grid	G1
5	SCREEN BOARD	K1	INPUT BOARD	12V
6	SCREEN BOARD	K2	HV SUPPLY	K3
7	SCREEN BOARD	X1	G2 TUBE	G2
8	SW ON BOARD	KL1	AC 240V	AC1
9	SW ON BOARD	KL2	AC 240V	AC2
10	SW ON BOARD	K1	REM SW	REM SW
11	SW ON BOARD	K4	COVER SW	SW
12	SW ON BOARD	K7	T SENSOR	SENSOR
13	SW ON BOARD	KL4	Transformer 1	TR1
14	SW ON BOARD	KL5	Transformer 2	TR2
15	SW ON BOARD	KL3	TR2 14V	TR2
16	SW ON BOARD	K5	Internal and external blower	BLOWER
17	SW ON BOARD	K2	HV SUPPLY FAULT	K4
18	SW ON BOARD	K3	CONTROL BOARD	K9
19	PWR METER	K1	CONTROL BOARD	K5
20	PWR METER	X1	INPUT from Pi-L network	INPUT
21	PWR METER	X2	OUTPUT connector SO239	OUTPUT
22	DISPLAY BOARD LED	K1	CONTROL BOARD	K12
23	METER SW	K	CONTROL BOARD	K1
24	STBY SW	K	CONTROL BOARD	K4
25	CONTROL BOARD	K13	TROUT	K2
26	CONTROL BOARD	K9	Fuse	Fuse 3,15A
27	IO BOX	BU3	KEY IN rear panel	KEY IN
28	IO BOX	BU4	KEYOUT rear panel	KEYOUT
29	IO BOX	BU1	ALC rear panel	ALC
30	IO BOX	BU2	CI-V rear panel	CI-V
31	IO BOX	K9	TCVR rear panel	TCVR
32	IO BOX	K8	PC rear panel	PC
33	IO BOX	K7	CONTROL rear panel	CONTROL
34	IO BOX	K1	ANTI /BPF SW rear panel	ANTI /BPF SW
35	IO BOX	K6	MOTOR CONTROL	K8
36	MOTOR CONTROL	K1	OPTO -BAND SELECT sensor	OPTO -BAND SELECT
37	MOTOR CONTROL	K7	MOTOR-BAND SELECT	MOTOR-BAND SELECT
38	MOTOR CONTROL	K2	OPTO -LOAD sensor	OPTO -LOAD
39	MOTOR CONTROL	K6	MOTOR -LOAD	MOTOR -LOAD
40	MOTOR CONTROL	K3	OPTO -TUNE sensor	OPTO -TUNE
41	MOTOR CONTROL	K5	MOTOR -TUNE	MOTOR -TUNE
42	MOTOR CONTROL	K4	LCD DISPLAY	K3
43	MOTOR CONTROL	K11	CONTROL BOARD	K2
44	HF PROBE	K1	CONTROL BOARD	K3
45	HV SUPPLY	KL1	TR1 2X 250V AC	TR1
46	HV SUPPLY	KL2	TR1 2X 250V AC	TR1
47	HV SUPPLY	KL3	TR2 2X 250V AC	TR2
48	HV SUPPLY	KL4	TR2 2X 250V AC	TR2
49	HV SUPPLY	KL7	TR1 105V AC	TR1
50	HV SUPPLY	KL8	TR1 310V AC	TR1
51	HV SUPPLY	K2	CONTROL BOARD	K8
52	HV SUPPLY	K5	CONTROL BOARD	K7