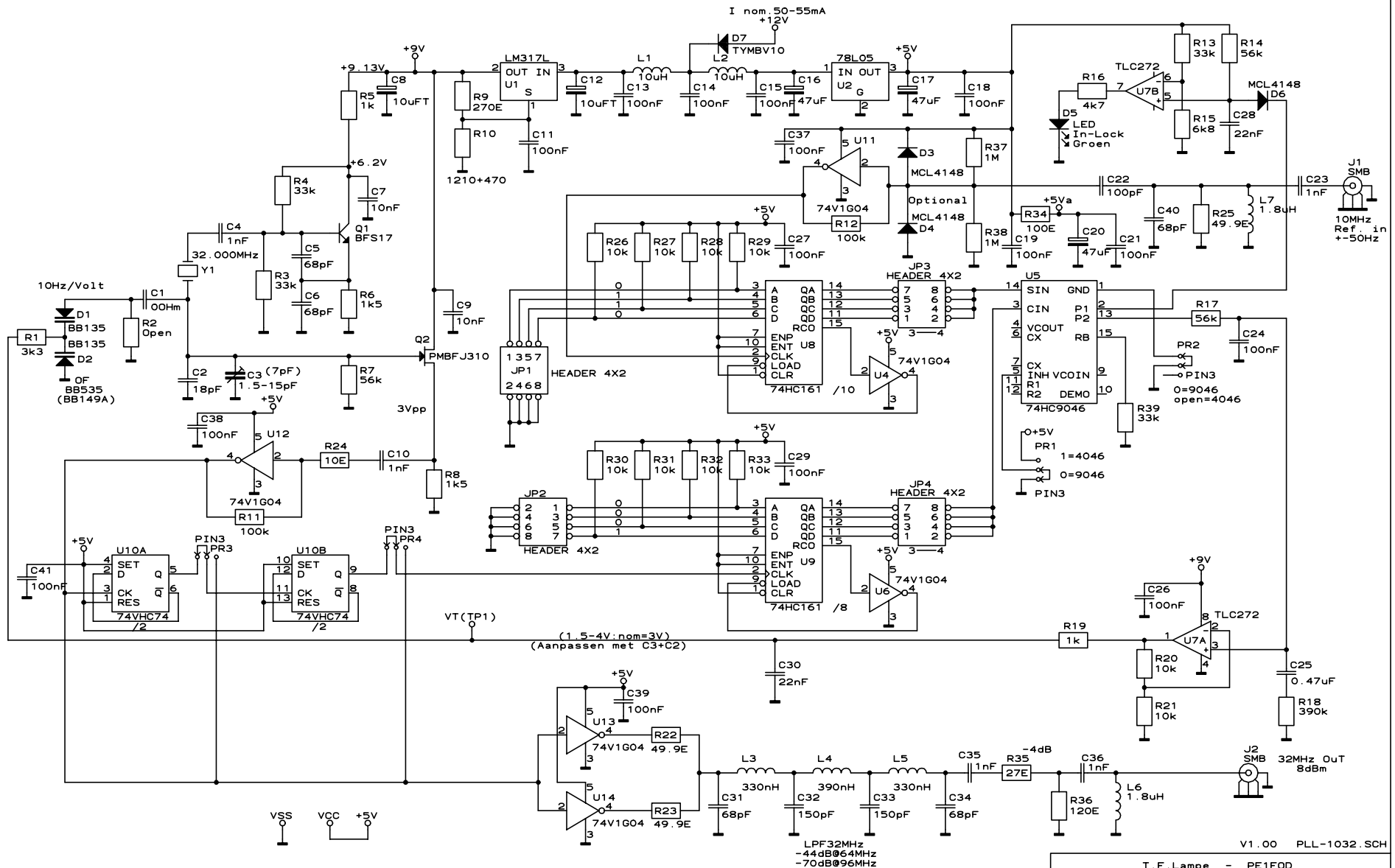
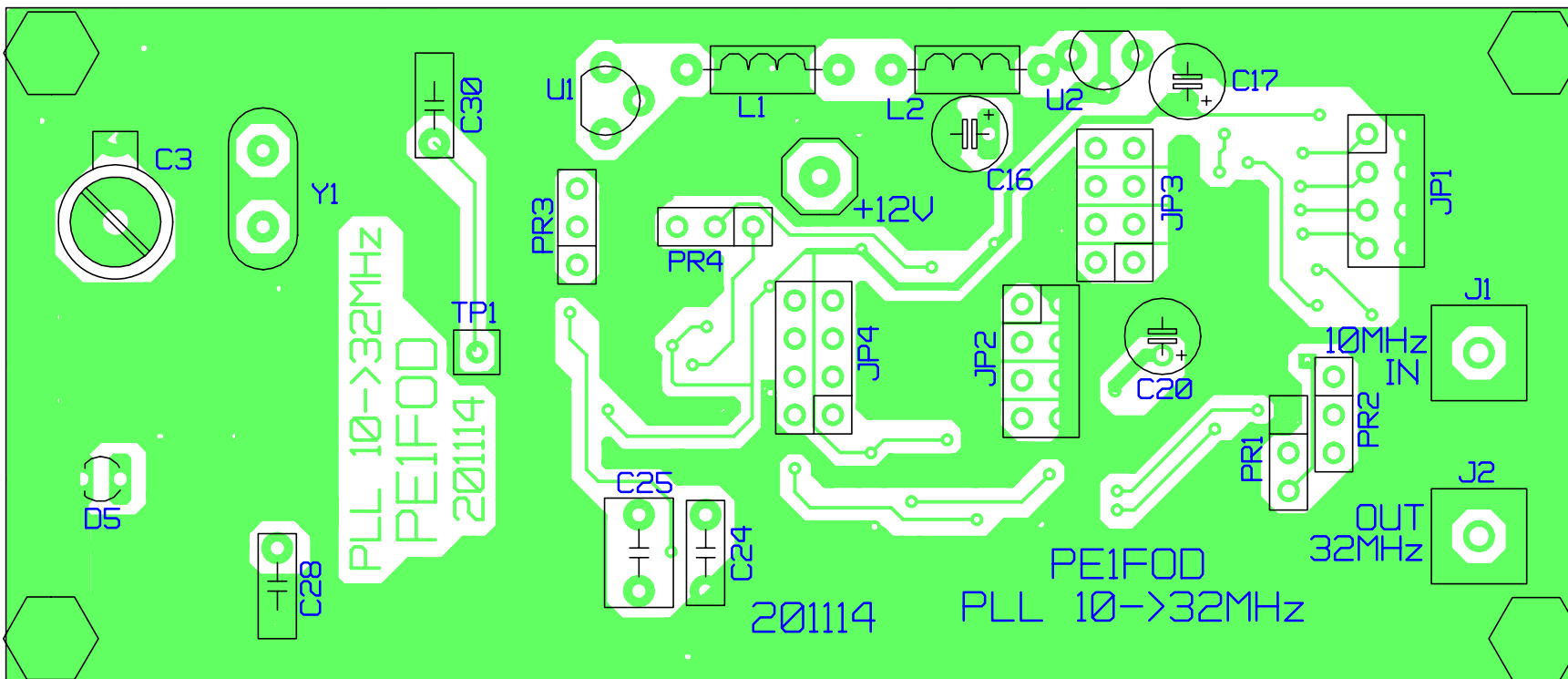


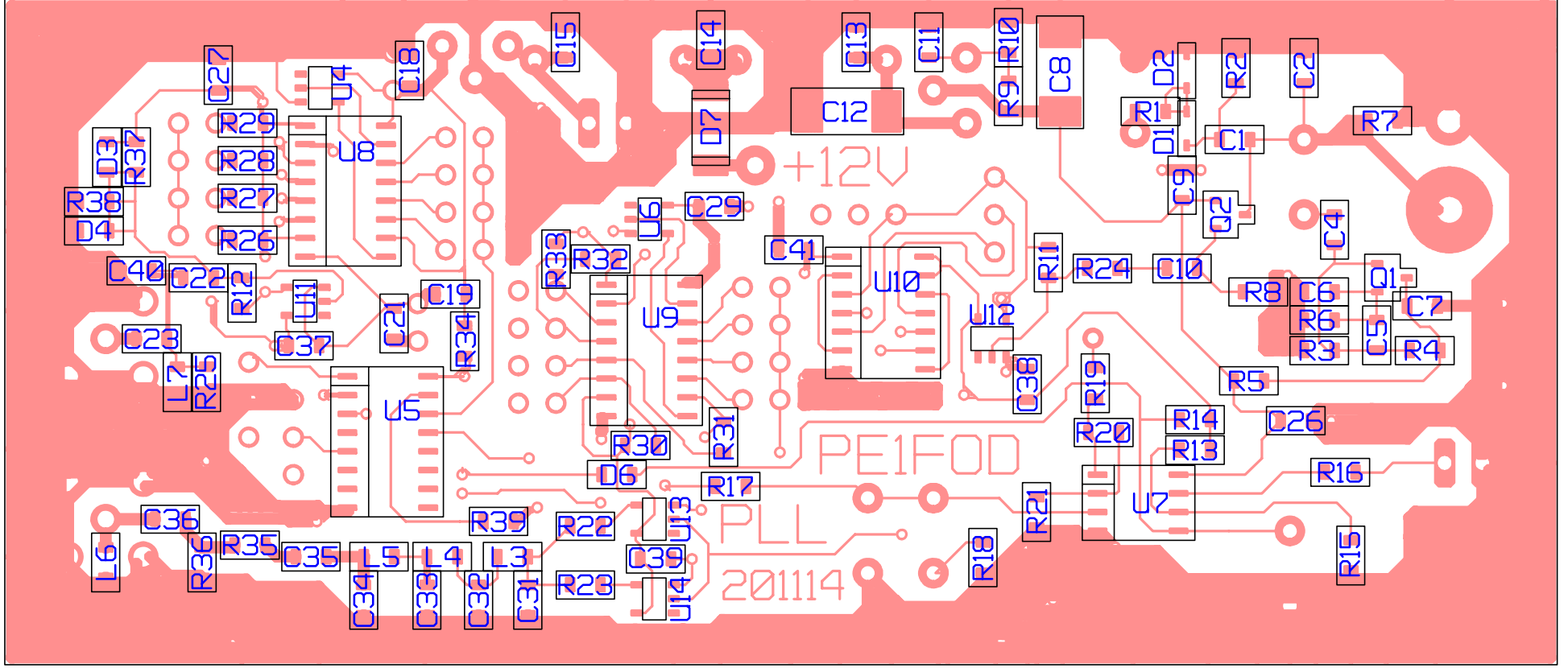


PCB 45.1x105.1mm M1 M2 M3 M4

T.F.Lampe - PE1FOD		
Size	Document Number	REV
B	PLL 10MHz in 32MHz uit	
Date:	April 12, 2015	Sheet 1 of



105.10x45.10mm



Item	Quantity	Reference	Part	
1	2	C1,C22	100pF	smd 0805
2	1	C2	5.6pF	smd 0805
3	1	C3	1.5-15pF	Trimmer
4	5	C4,C10,C23,C35,C36	1nF	smd 0805
5	5	C5,C6,C31,C34,C40	68pF	smd 0805
6	3	C7,C9,C30	10nF	smd 0805
7	5	C8,C12,C16,C17,C20	47uF	2.5mm
8	14	C11,C13,C14,C15,C18,C19, C21,C26,C27,C29,C37, C38,C39,C41	100nF	smd 0805
9	1	C25	0.47uF	7.5mm
10	1	C28	47nF	5mm
11	2	C32,C33	150pF	smd 0805
12	2	D1,D2	BB135	smd SOD323
13	3	D3,D4,D6	MCL4148	smd 0805
14	1	D5	LED	3mm
15	1	D7	TYMBV10	smd 1218
16	2	J1,J2	SMB	print
17	4	JP1,JP2,JP3,JP4	HEADER 4X2	
18	2	L1,L2	10uH	
19	2	L3,L5	330nH	smd 0805
20	1	L4	390nH	smd 0805
21	2	L6,L7	1.8uH	smd 0805
22	4	M1,M2,M3,M4	3mm	
23	4	PR1,PR2,PR3,PR4	PIN3	
24	1	Q1	BFS17	smd SOT23
25	1	Q2	PMBFJ310	smd SOT23
26	1	R1	3k3	smd 0805
27	3	R2,R17,R39	47k	smd 0805
28	3	R3,R4,R15	33k	smd 0805
29	2	R5,R19	1k	smd 0805
30	2	R6,R8	1k5	smd 0805
31	3	R7,R11,R12	100k	smd 0805
32	1	R9	270E	smd 0805
33	1	R10	1k8	smd 0805
34	11	R13,R20,R21,R26,R27,R28, R29,R30,R31,R32,R33	10k	smd 0805
35	1	R14	56k	smd 0805
36	1	R16	4k7	smd 0805
37	1	R18	270k	smd 0805
38	2	R22,R23	33E	smd 0805
39	1	R24	10E	smd 0805
40	1	R25	49.9E	smd 0805
41	1	R34	100E	smd 0805
42	1	R35	27E	smd 0805
43	1	R36	120E	smd 0805
44	2	R37,R38	1M	smd 0805
45	1	TP8	+12V	
46	1	U1	LM317L	T029
47	1	U2	78L05	T092
48	6	U4,U6,U11,U12,U13,U14	74V1G04	SMD SOT23
49	1	U5	74HC9046	smd S016
50	1	U7	TLC272	smd S08
51	2	U8,U9	74HC161	smd S016
52	1	U10	74VHC74	smd so14
53	1	Y1	32.000MHz	HC49
54	1	C24	100nF	5mm