



PCB 45.6x105.6mm

V1.09 GPS-PLL.SCH

M1 M2

T.F.Lampe - PE1F0D		
Size	Document Number	REV
B	GPS Frequentie referentie 10.000MHz	
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Item	aantal	Reference	Part	Behuizing
1	4	C1,C5,C6,C27	100pF	SMD
2	1	C2	12pF	SMD
3	1	C3	1.5-15pF	Hi-q Trim-C
4	2	C4,C10	1nF	SMD
5	3	C7,C9, C19=MKT 0.2"	10nF	SMD
6	4	C8,C12,C16,C117	47uF	SMD Tantaal 16V, Radiall elco
7	8	C11,C13,C14,C15,C18,C23,C26,C29	100nF	0805
	1	C24	100nF	MKT 0.2"
8	2	C20,C22	470pF	SMD
9	1	C21	560pF	SMD
10	1	C25	0.47uF	MKT 0.2"
11	1	C28	47nF	MKT 0.2"
12	2	D1,D2	BB149A	SOD323
13	3	D3,D4,D6	1N4148	SOD27
14	1	D5	LED	3mm groen
15	1	D7	TYMBV10	MELF (schotky, lage drempel)
16	2	L1,L2	10uH	B78108 Siemens Matsushita
17	2	L3,L6	1uH	B78108 Siemens Matsushita
18	2	L4,L5	1.5uH	B78108 Siemens Matsushita
19	2	M1,M2	m3	Afstandsbus
20	1	Q1	BFS17	SOT-23 (BFS17A)
21	1	Q2	PMBFJ310	SOT-23
22	5	R1=0805, R13,R17,R20,R21	10k	SFR16T
23	1	R2	47k	SMD
24	3	R3,R4,R15	33k	SMD
25	2	R5,R19	1k	SMD,SFR16T
26	2	R6,R8	1k5	SMD
27	3	R7,R11,R12	100k	SMD
28	1	R9	270E	SMD
29	1	R10	1k8	SMD
30	1	R14	56k	SFR16T
31	1	R16	4k7	SFR16T
32	1	R18	270k	SFR16T
33	2	R22,R23	33E	SMD
34	1	R24	10E	SMD
35	1	TP1	10kHz in	Aansluiting
36	1	TP4	1MHz	Aansluiting
37	1	TP5	5MHz	Aansluiting
38	2	TP6,TP7	10MHz	Aansluiting
39	1	TP8	+12V	Aansluiting
40	1	U1	LM317T	TO-92
41	2	U2,U3	74HC390	SO-16
42	1	U4	74HC14	SO-14
43	1	U5	HC4046	SO-16
44	1	U6	TLC272	SO-8
45	1	U7	78L05	TO-92
46	1	Y1	10.000MHz	HC49/U
47	1	BL1	Blikken	behuizing 107x47x20mm
48	1	PCB	GPS-PLL	105.1x45.1mm

SMD = 0805







