

MOHAIR ONE part list for PCB Rev. B, last update 2009-08-23

Part number	Value / type	Qty	Description	Picture	
R11 R14	47R	2	Resistor 5% or better		
R8 R12 R18	470R	3	0.125W		
R15	2k2	1	L = 3.7 mm, max L = 6.4 mm		
R5 R6 R10 R23	4k7	4			
R1 R2 R3	10k	3			
R16 R20	100k	2			
R17 R19	150k	2			
R25	220k	1			
R13 R24	330k	2			
R4 R9	2M2	2			
C6	100p	1	Ceramic capacitor 10% C0G Lead pitch 5 mm or 5.08 mm		
C22 C23 C25	330p	3			
C4	470p	1			
C1 C19 C20	1n	3			
C2	1n5	1			
C3 C8 C26 C28	10n	4		Ceramic capacitor X7R	
C5 C7 C9 C15 C18 C21 C30	100n	7		Lead pitch 5 mm or 5.08 mm	
C13	3n3	1	Polyester/polypropen capacitor 5% (or 10%)		
C12 C27	4n7	2	Lead pitch 5 mm or 5.08 mm		
C10 C11 C14 C16 C17 C29 C31	47u/16V	7	Electrolytic capacitor D =5 mm, lead pitch 2mm		
C24	40pF Trimmer capacitor 60pF, BC Components 2222 809 08003 ELFA 68-794-07 or 2222 809 08002 ELFA 68-793-08	1	Coarse VXO tuning		
L1	2u2	1	SMD inductor size 1812		
L2	4u7	1			
T1	WURTH 744-205	1	RF transformer (signal filter with 4 windings)		
D1 D7	1N4005	2	Diode		
D2 D3 D4 D5 D6	1N4148	5	Diode		
Q1 Q2 Q3	BC549C NPN	3	Transistor TO-92 Hfe ≥ 400		
Q4	BC557C PNP	1	Transistor TO-92 Hfe ≥ 400		
Q5 Q6	2N3904 NPN	2	Transistor TO-92 High speed		
REG1	LP2950AZ-5.0	1	Voltage regulator TO-92		
IC1	NC7S04	1	CMOS inverter SMD SOT-23-5		
IC2	NC7S14	1	CMOS inverter Schmitt trigge SMD SOT-23-5		
Socket	3 x 1 pin, pitch 2.54 mm	2	XTAL socket and SPARE XTAL socket		
X1	3.58 MHz Murata CSALF3M58G55-B0	1	Ceramic resonator for CW band		
SPARE-X	3.69 MHz (optional) Murata CSALF3M69G55-B0	1	Optional ceramic resonator For SSB band		

J4	Pin header 2 x 1 pins Pitch 2.54 mm	1	Side tone only when jumper removed	
TX enable jumper	Jumper, pitch 2.54 mm	1	TX enable jumper	
J5	LUMBERG - KRM 02 Terminal Block, PCB, 2WAY Farnell 1177875	1	Power supply terminal	
J2 J3	Jack socket 3,5mm Marushin MX-387GL ELFA stock number 42-701-04	2	Headphones & CW key sockets	
SW1 SW2	Toggle switch SPDT Multicomp 2MS1T2B2M7RE	2	ON/OFF & VXO select switch	
J1	RCA PCB socket ELFA number 42-253-55	1	Antenna connector	
R7	10k trimmer Bourns 3310C-001-103L	1	AF gain	
R21 R22	100k trimmer Bourns 3310C-001-104L	2	VXO tuning	
Knob	D = 9 mm Shaft 0.125" ELMA 021-1220	3		
Cap	D = 9 mm - 10 mm Shaft 0.125" ELMA 040-1020	3		
Battery connector	Eg. COMF BS-1 C ELFA 69-143-11	1		
PCB	Main board	1		
PCB	Front panel board	1		