

**SSB Alternate Mic Filter
Bill of Materials**

Part	Qty	Description	Part Number	Source	Unit Price	Ext. Price
U1-U2	2	Op Amp, Low Noise, NJM4580D	513-NJM4580DD	mouser.com	\$0.49	\$0.98
U3	1	Voltage Regulator, 5V @ 100mA	512-MC78L05ACPXA	mouser.com	\$0.35	\$0.35
C1	1	Capacitor, Polypropylene, 470pF	505-FKP2470/100/5	mouser.com	\$0.33	\$0.33
C2	1	Capacitor, Polypropylene, 1000pF	505-FKP21000/100/5	mouser.com	\$0.34	\$0.34
C3-C4	2	Capacitor, Polypropylene, 4700pF	505-FKP24700/63/5	mouser.com	\$0.42	\$0.84
C5	1	Capacitor, Polypropylene, 0.015uF	505-FKP20.015/63/2.5	mouser.com	\$0.60	\$0.60
C6	1	Capacitor, Polypropylene, 0.033uF	505-FKP20.033/63/2.5	mouser.com	\$0.77	\$0.77
C7-C9	3	Capacitor, Ceramic, 0.047uF	140-50V5-473Z-TB-RC	mouser.com	\$0.18	\$0.54
C10-C11	2	Capacitor, Ceramic, 0.01uF	140-50Z2-103M-RC	mouser.com	\$0.10	\$0.20
C12-C13	2	Capacitor, Electrolytic, NP, 1uF, 25V	539-SN010M025ST	mouser.com	\$0.31	\$0.62
C14-C16, C22	4	Capacitor, Electrolytic, 10uF, 16V	647-UVZ1C100MDD	mouser.com	\$0.12	\$0.48
C17	1	Capacitor, Electrolytic, NP, 10uF, 16V	647-UMP1C100MDD	mouser.com	\$0.40	\$0.40
C18-C20	3	Capacitor, Electrolytic, 47uF, 16V	647-USR1C470MDD	mouser.com	\$0.29	\$0.87
C21	1	Capacitor, Electrolytic, 47uF, 25V	647-USR1E470MDD	mouser.com	\$0.28	\$0.28
R1-R2	2	Resistor, Metal Film, 1/4W, 1.2K	271-1.2K-RC	mouser.com	\$0.13	\$0.26
R3	1	Resistor, Metal Film, 1/4W, 10K	271-10K-RC	mouser.com	\$0.13	\$0.13
R4-R6	3	Resistor, Metal Film, 1/4W, 8.2K	271-8.2K-RC	mouser.com	\$0.13	\$0.39
R7-R10	4	Resistor, Metal Film, 1/4W, 12K	271-12K-RC	mouser.com	\$0.13	\$0.52
R11-R12	2	Resistor, Metal Film, 1/4W, 33K	271-33K-RC	mouser.com	\$0.13	\$0.26
R13	1	Resistor, Metal Film, 1/4W, 68K	271-68K-RC	mouser.com	\$0.13	\$0.13
R14	1	Resistor, Metal Film, 1/4W, 2.2K	271-2.2K-RC	mouser.com	\$0.13	\$0.13
FB1-FB8	8	Ferrite Bead	623-2643000101	mouser.com	\$0.05	\$0.40
S1-S3	3	Switch, Slide, DPDT	688-SSSS925800	mouser.com	\$1.13	\$3.39
S4	1	Switch, Slide, SP3T	688-SSSS91B600	mouser.com	\$0.99	\$0.99
S5	1	Switch, Pushbutton, SPST	611-AP2E200TZBE	mouser.com	\$14.00	\$14.00
J3	1	Jack, RJ-45, 8 pin	154-UL6883	mouser.com	\$2.41	\$2.41
J5	1	Jack, DC Power, 2.5mm x 5.5mm	163-7625-E	mouser.com	\$1.01	\$1.01
	4	Standoff, Hex, 0.25 x 0.50, Alum	728-FC2104-440-A	mouser.com	\$0.29	\$1.16
	2	Socket, IC, 8 Pin DIP	571-4-1571551-2	mouser.com	\$1.00	\$2.00
J1	1	Phone Jack, 3.5mm, stereo	161-MJ355W-EX	mouser.com	\$1.34	\$1.34
J2	1	XLR Connector, 3 pin, female	568-NC3FD-LX	mouser.com	\$3.25	\$3.25
	1	Enclosure, 4"x4"x2"	537-CR-442	mouser.com	\$12.90	\$12.90
J4	1	Foster Connector, 8 pin, male			0	\$0.00
J6-J9	1	Header, 1x30, 0.1: spacing	649-68000-136HLF	mouser.com	0.97	\$0.97
P6	1	Header Housing, 1x3, 25 pack	1902	pololu.com	0.79	\$0.79
P7	1	Header Housing, 1x2, 25 pack	1901	pololu.com	0.69	\$0.69
P9-P10	1	Header Housing, 1x8, 10 pack	1907	pololu.com	0.99	\$0.99
	1	Header Socket, 6", F-F, 50 pack	1800	pololu.com	9.95	\$9.95

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