

**Bluetooth Radio Adapter Materials List Rev. 1**

Part	Qty	Description	Source	Part Number	Price	Extended
M1	1	Bluetooth Audio Module, Class 2, Audio Gateway firmware	kcwirefree.com	KC-6112-AG	\$36.00	\$36.00
U1	1	Voltage Regulator, 3.3V, 500mA, SOT-223-4	mouser.com	595-UA78M33CDCYR	\$0.60	\$0.60
J1-J2	2	Jack, 3.5mm, 3 conductor	mouser.com	806-STX-3501-3N	\$2.03	\$4.06
J3	1	Jack, DC Power, 2.5mm	mouser.com	163-7625E-E	\$0.64	\$0.64
J4	1	Jack, MiniB-USB	mouser.com	710-651005136521	\$2.56	\$2.56
D1	1	LED, Blue, 2mm, pinhole	futurlec.com	LED2PINB	\$0.15	\$0.15
D2	1	LED, Red, 2mm, pinhole	futurlec.com	LED2PINR	\$0.05	\$0.05
D3	1	Diode, 1N4004	mouser.com	512-1N4004	\$0.14	\$0.14
FB1	1	Ferrite Bead, Mix 43, 1.3mm ID x 3.3mm L	mouser.com	623-2643000101	\$0.05	\$0.05
S1-S3	3	Switch, Tactile, Momentary, SPST, right angle	mouser.com	655-FSMRA4JH	\$0.25	\$0.75
-	1	Enclosure, 3.6" x 2.6" x 1.1", black ABS plastic	mouser.com	546-1593LBK	\$3.71	\$3.71
R1	1	Resistor, Thick Film, 300, 1/4w, 1%, SMT 1206	mouser.com	660-SG73S2BTTD3000F	\$0.17	\$0.17
R2-R3	2	Resistor, Thick Film, 1K, 1/4w, 1%, SMT 1206	mouser.com	667-ERJ-8ENF1001V	\$0.10	\$0.20
R4	1	Resistor, Thick Film, 2.2K, 1/4w, 1%, SMT 1206	mouser.com	71-CRCW1206-2.2K-E3	\$0.10	\$0.10
R5	1	Resistor, Thick Film, 7.5K, 1/4w, 1%, SMT 1206	mouser.com	71-CRCW1206-7.5K-E3	\$0.10	\$0.10
R6-R7	2	Resistor, Thick Film, 10K, 1/4w, 1%, SMT 1206	mouser.com	667-ERJ-8ENF1002V	\$0.10	\$0.20
C1-C2	2	Capacitor, Multilayer Ceramic, 15pF, 25V, SMT 1206	mouser.com	77-VJ1206A150KXXCBC	\$0.10	\$0.20
C3	1	Capacitor, Multilayer Ceramic, 0.1uF, 25V, SMT 1206	mouser.com	77-VJ1206Y104KXXCBC	\$0.06	\$0.06
C4-C5	2	Capacitor, Multilayer Ceramic, 1uF, 50V, SMT 1206	mouser.com	77-VJ1206V105MXATBC	\$0.06	\$0.12
C6	1	Capacitor, Multilayer Ceramic, 10uF, 25V, SMT 1206	mouser.com	963-TMK316BJ106KLHT	\$0.21	\$0.21
C7-C8	2	Capacitor, Electrolytic, 100uF, 25V, SMT	mouser.com	140-VEJ101M1ETRO607	\$0.23	\$0.46
L1	1	Inductor, 15nH, SMT 1210	mouser.com	871-B82422A3150K100	\$0.52	\$0.52
P1	1	Cable, CAT 5e, RJ-45 8 pin, 5 ft.	mouser.com	601-73-7792-5	\$2.42	\$2.42
P2	1	Phone Plug, 3.5mm, 2 conductor	mouser.com	568-NYS226	\$0.82	\$0.82
P3-P4	1	Cable, 3.5mm phone plug each end, 3 ft.	mouser.com	172-3536	\$3.73	\$3.73
-	4	Machine Screw, Pan Head, 4-40 x 1/4", nylon (trim to 3/16")	mouser.com	534-9327	\$0.17	\$0.68
-	1	PC Board, www.kg4jjh.com/Bluetooth.html	expresspcb.com	BT KC-6112.PCB	\$17.00	\$17.00
						\$75.70