

Bluetooth Radio Adapter Materials List Rev. 2

Part	Qty	Description	Source	Part Number	Price	Extended
M1	1	Bluetooth Audio Module, Class 2, Audio Gateway firmware	kcwirefree.com	KC-6112-AG	\$25.00	\$25.00
U1	1	Voltage Regulator, 3.3V, 250mA, TO-92	mouser.com	511-L4931CZ33-AP	\$0.94	\$0.94
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	\$2.44	\$2.44
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
D4	1	LED, Green, 2mm, pinhole	futurlec.com	LED2PING	\$0.05	\$0.05
D3	1	Diode, 1N4007	mouser.com	512-1N4007	\$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	digkey.com	450-1658-ND	\$0.23	\$0.69
-	1	Enclosure, 3.6" x 2.6" x 1.1", black ABS plastic	mouser.com	546-1593LBK	\$3.85	\$3.85
R1	1	Resistor, Metal Film, 300, 1/4w, 1%	mouser.com	271-300-RC	\$0.15	\$0.15
R2-R3	2	Resistor, Metal Film, 1K, 1/4w, 1%	mouser.com	271-1K-RC	\$0.15	\$0.30
R4	1	Resistor, Metal Film, 2.2K, 1/4w, 1%	mouser.com	271-2.2K-RC	\$0.15	\$0.15
R5	1	Resistor, Metal Film, 7.5K, 1/4w, 1%	mouser.com	271-7.5K-RC	\$0.15	\$0.15
R6-R7	2	Resistor, Metal Film, 10K, 1/4w, 1%	mouser.com	271-10K-RC	\$0.15	\$0.30
R8-R9	2	Resistor, Metal Film, 4.7K, 1/4w, 1%	mouser.com	271-4.7K-RC	\$0.15	\$0.30
R10	1	Resistor, Metal Oxide 150, 1w, 5%	mouser.com	660-MOS1CT52R151J	\$0.10	\$0.10
C1-C2	2	Capacitor, Multilayer Ceramic, 15pF, 50V	mouser.com	810-FK28COG1H150J	\$0.30	\$0.60
C3	1	Capacitor, Multilayer Ceramic, 0.1uF, 25V	mouser.com	810-FK28X7R1E104K	\$0.30	\$0.30
C4, C5, C8	2	Capacitor, Electrolytic, 1uF, 100V, 2 mm spacing	mouser.com	75-515D105M100JA6AE3	\$0.17	\$0.34
C6	1	Capacitor, Electrolytic, 10uF, 25V, 2 mm spacing	mouser.com	647-UVZ1E100MDD1TA	\$0.21	\$0.21
C7	1	Capacitor, Electrolytic, 100uF, 25V, 2 mm spacing	mouser.com	647-UVY1E101MDD	\$0.12	\$0.12
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	\$2.65	\$2.65
P2	1	Phone Plug, 3.5mm, 3 conductor	mouser.com	568-NYS231	\$1.09	\$1.09
P3-P4	1	Cable, 3.5mm phone plug each end, 3 ft.	mouser.com	172-3536	\$4.29	\$4.29
-	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 R2.PCB	\$17.00	\$17.00
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