

DSP Speaker Materials List						
Part #	Description	Catalog #	Qty	Source	Price	Extended
M1	Module, Noise Reduction, BHI	NEDSP1061-PCB	1	gapantenna.com	\$139.00	\$139.00
U1	IC, Dual Opamp, TL062	511-TL062CN	1	mouser.com	\$0.70	\$0.70
U2	IC, Power Amplifier, TDA7256	511-TDA7256	1	mouser.com	\$4.22	\$4.22
Q1	Transistor, NPN, 2N2222	863-P2N2222AG	1	mouser.com	\$0.33	\$0.33
D1-D14	Diode, 1N4148	512-1N4148TA	14	mouser.com	\$0.12	\$1.68
D15	Diode, 1N4007	583-1N4007-B	1	mouser.com	\$0.03	\$0.03
DSP1	Display, LED, Panel Mount, Yellow	696-LXR3612SYD-150	1	mouser.com	\$3.87	\$3.87
DSP2	Display, LED, Panel Mount, Red	696-LXR3612SID-150	1	mouser.com	\$3.87	\$3.87
S1	Switch, Rotary, 1P8T	611-A10815RNZQ	1	mouser.com	\$4.37	\$4.37
S2-S4	Switch, Toggle, SPDT, Threaded	CKN1458-ND	3	digikey.com	\$6.95	\$20.85
J1-J2	Jack, 3.5mm, Stereo	806-STX-3100-3C	2	mouser.com	\$1.16	\$2.32
J3	Jack, DC Power, Panel Mount, 2.5mm x 5.5mm	163-MJ22-EX	1	mouser.com	\$2.77	\$2.77
SP1	Speaker, 3", HiVi B3N	297-428	1	parts-express.com	\$11.39	\$11.39
-	Speaker Grill, Fan Guard	19155K95	1	mcmaster.com	\$1.24	\$1.24
HS1	Heat Sink, TO-220, 4.4°C/W	HS410-ND	1	digikey.com	\$1.39	\$1.39
R1-R2	Resistor, Carbon Film, 1/4W, 5%, 2.2Ω	291-2.2-RC	2	mouser.com	\$0.10	\$0.20
R3-R4	Resistor, Carbon Film, 1/4W, 5%, 1.6K	291-1.6K-RC	2	mouser.com	\$0.10	\$0.20
R5	Resistor, Metal Film, 1/4W, 1%, 2.2K	271-2.2K-RC	1	mouser.com	\$0.13	\$0.13
R6	Resistor, Metal Film, 1/4W, 1%, 4.64K	271-4.64K-RC	1	mouser.com	\$1.13	\$1.13
R7	Resistor, Metal Film, 1/4W, 1%, 6.81K	271-6.81K-RC	1	mouser.com	\$0.13	\$0.13
R8-R10	Resistor, Metal Film, 1/4W, 1%, 10K	271-10K-RC	3	mouser.com	\$0.13	\$0.39
R11	Resistor, Metal Film, 1/4W, 1%, 22K	271-22K-RC	1	mouser.com	\$0.13	\$0.13
R12-R14	Resistor, Metal Film, 1/4W, 1%, 100K	271-100K-RC	3	mouser.com	\$0.13	\$0.39
R15	Resistor, Metal Film, 1/4W, 1%, 220K	271-220K-RC	1	mouser.com	\$0.13	\$0.13
R16	Potentiometer, Trimmer, 5K	652-3362R-1-502LF	1	mouser.com	\$0.83	\$0.83
R17	Potentiometer, 7mm, 10K, Audio Taper	311-701AF-10K	1	mouser.com	\$2.95	\$2.95
C1-C4	Capacitor, Ceramic, 0.1μF, 50V	581-SR215C104KARTR2	4	mouser.com	\$0.17	\$0.68
C5-C8	Capacitor, Ceramic, 0.22μF, 50V	581-SR215E224MAR	4	mouser.com	\$0.26	\$1.04
C9	Capacitor, Electrolytic, 10μF, 25V	140-XRL25V10-RC	1	mouser.com	\$0.06	\$0.06
C10-C12	Capacitor, Electrolytic, 100μF, 25V	140-XRL25V100-RC	3	mouser.com	\$0.10	\$0.30
C13-C14	Capacitor, Electrolytic, 220μF, 25V	140-XRL25V220-RC	2	mouser.com	\$0.13	\$0.26
C15	Capacitor, Electrolytic, 1000μF, 25V	140-XRL25V1000-RC	1	mouser.com	\$0.39	\$0.39
FB1-FB6	Ferrite Bead, Mix 43, 1.3mm ID x 3.3mm L	623-2643000101	6	mouser.com	\$0.05	\$0.30
JP1	Shorting Block, 1x2, 0.1in pitch (5 pack)	970	1	pololu.com	\$0.19	\$0.19
P4	Crimp connector housing, 1x8, 0.1in pitch (10 pack)	1907	1	pololu.com	\$0.99	\$0.99
J4	Header, Male, 1x8, 0.1in pitch	Included with P5	1	pololu.com	\$0.00	\$0.00
P5	Header, Male, 1x10, 0.1in pitch (1x40)	965	1	pololu.com	\$0.99	\$0.99
P10	Header, Male, 1x4, 0.1in pitch	Included with P5	1	pololu.com	\$0.00	\$0.00
J5	Header, Female, 1x10, 0.1in pitch (2 pack)	1020	1	pololu.com	\$0.69	\$0.69
J10	Header, Female, 1x5, 0.1in pitch	1015	1	pololu.com	\$0.44	\$0.44
J6-J9, J11, JP1	Header, Male, 1x2, 0.1in pitch	Included with P5	6	pololu.com	\$0.00	\$0.00
P6-P9, P11	Crimp connector housing, 1x2, 0.1in pitch (25 pack)	1901	1	pololu.com	\$0.69	\$0.69
P4, P6-P9, P12	Wire with crimp terminals, 6in, 26 AWG (10 pack)	1810	2	pololu.com	\$2.49	\$4.98
-	Enclosure, Black Textured Alum., Gasketed, 6.73" x 4.76" x 3.98"	HM1217-ND	1	digikey.com	\$20.75	\$20.75
-	Knob, 1/2" Dia., 1/4" Shaft	450-2034-GRX	2	mouser.com	\$0.77	\$1.54
-	IC Socket, 8PDIP	571-1-390261-2	1	mouser.com	\$0.14	\$0.14
-	Acoustic Foam, 1/2"	260-520	1	parts-express.com	\$9.97	\$9.97
					Total:	\$249.04