

Sound Logic BOM

Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
1	C6	1	Vishay	K102K15X7RH5TL2	1000 pF ±10% 100V Ceramic Capacitor X7R Radial	2.5mm Pitch	THRU-HOLE	Ignore pcb polarity mark
2	C7	1	Vishay	K103K15X7RF5UL2	10000 pF ±10% 50V Ceramic Capacitor X7R Radial	2.5mm Pitch	THRU-HOLE	Ignore pcb polarity mark
3	C5	1	TDK	FG28X7R1H473KNT06	0.047 µF ±10% 50V Ceramic Capacitor X7R Radial	5mm Pitch	THRU-HOLE	
4	C8 C9 C10 C11	4	KEMET	C320C104K5R5TA7317	0.1 µF ±10% 50V Ceramic Capacitor X7R Radial	2.5mm Pitch	THRU-HOLE	Ignore pcb polarity mark
5	C12 C13 C14 C15 C16 C17	6	Vishay	K104K15X7RF5TH5	0.1 µF ±10% 50V Ceramic Capacitor X7R Radial	5mm Pitch	THRU-HOLE	
6	C1 C2 C3 C4 C18	5	Panasonic	ECA-1CM100I	10 µF 16 V Aluminum Electrolytic Capacitor Radial	2.5mm Pitch	THRU-HOLE	
7	D1	1	Harvatek	B1911PG--20D000514U1930	Green 562nm LED Indication - Discrete 2V 0603 (1608 Metric)	0603	SMD	
8	J54	1	Sullins Connector Solutions	PREC002SAAN-RC	Connector Header Through Hole 2 position 0.100"	2POS	THRU-HOLE	
9	J1 J2 J4 J5 J8 J9 J11 J12 J13 J14 J16 J17 J18 J19 J20 J21 J22 J23 J27 J28 J31 J32 J35 J36 J39 J40 J41 J42 J45 J46 J47 J48 J49 J50 J51 J52	36	Sullins Connector Solutions	PREC003SAAN-RC	Connector Header Through Hole 3 position 0.100"	3POS	THRU-HOLE	Item 9 and 10 are the same, just different pcb silkscreen markings
10	J3 J6 J7 J15 J24 J25 J26 J29 J30 J34 J37 J38 J43 J44	14	Sullins Connector Solutions	PREC003SAAN-RC	Connector Header Through Hole 3 position 0.100"	3POS	THRU-HOLE	
11	J33	See Notes	Sullins Connector Solutions	PREC012SAAN-RC	Connector Header Through Hole 12 position 0.100"	12POS	THRU-HOLE	J33 is 12 pin header x3 or 3 pin header x12
12	J10 J53	2	Phoenix Contact	1729128	TERM BLK 2P SIDE ENT 5.08MM PCB	2POS	THRU-HOLE	
13	R11	1	Panasonic	ERJ-6GEYJ100V	RES SMD 10 OHM 5% 1/8W 0805	0805	SMD	
14	R3 R21 R28 R44 R52 R64	6	Panasonic	ERJ-6GEYJ102V	RES SMD 1K OHM 5% 1/8W 0805	0805	SMD	
15	R1 R2 R10 R12 R13 R14 R19 R20 R27 R30 R31 R32 R33 R34 R35 R36 R42 R43 R46 R47 R48 R49 R50 R51 R58 R59	26	Panasonic	ERJ-6GEYJ103V	RES SMD 10K OHM 5% 1/8W 0805	0805	SMD	
16	R9	1	ALPSALPINE	RK097111080R	10kΩ ±20% 1/20W Potentiometer	2.5mm Pitch	THRU-HOLE	
17	R22 R29 R45 R53	4	ALPSALPINE	RK097111091H	100kΩ ±20% 50mW Potentiometer	2.5mm Pitch	THRU-HOLE	
18	R4 R5 R6 R7 R15 R16 R17 R18 R23 R24 R25 R26 R37 R38 R39 R40 R41 R54 R55 R56 R57 R60 R61 R62 R63	25	Panasonic	ERJ-6GEYJ394V	390K	0805	SMD	
19	R8	1	TT Electronics/BI	P160KN-0QD15B1MEG	POT 1M OHM 1/5W PLASTIC LINEAR	5mm Pitch	THRU-HOLE	2 extra inner pins on footprint are not used
20	SW1	1	Nidec Copal Electronics	CL-SB-22C-01	SWITCH SLIDE DPDT 200MA 12V	2.5mm Pitch, 3.3mm Row Spacing	THRU-HOLE	
21	U5	1	Texas Instruments	CD74HC4040E	Counters / Dividers 4040	PDIP-16	THRU-HOLE	
22	U3	1	Texas Instruments	SA555DR	IC OSC SGL TIMER 100KHZ 8-SOIC	SOIC-8	SMD	
23	U1 U4 U6	3	Texas Instruments	CD74HC132E	IC Quad 2-Input NAND Gate with Schmitt-Trigger Inputs	PDIP-14	THRU-HOLE	
24	U2	1	Texas Instruments	LM386MX-1/NOPB	IC AMP CLASS AB MONO 325MW 8SOIC	SOIC-8	SMD	