

Resistors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
1	22Ω	R10	291-22-RC	<input type="checkbox"/>
3	220Ω	R11, R28, R29	291-220-RC	<input type="checkbox"/>
1	330Ω	R39	291-330-RC	<input type="checkbox"/>
2	1kΩ	R0, R31	291-1K-RC	<input type="checkbox"/>
1	3.3kΩ	R8	291-3.3K-RC	<input type="checkbox"/>
2	4.7kΩ	R14, R34*	291-4.7K-RC	<input type="checkbox"/>
7	10kΩ	R1, R7, R20, R25, R26, R32, R41	291-10K-RC	<input type="checkbox"/>
2	15kΩ	R33**, R37	291-15K-RC	<input type="checkbox"/>
1	22kΩ	R3	291-22K-RC	<input type="checkbox"/>
2	39kΩ	R4, R12	291-39K-RC	<input type="checkbox"/>
7	47kΩ	R17, R19, R21, R22, R23, R24, R27	291-47K-RC	<input type="checkbox"/>
2	68kΩ	R9, R40	291-68K-RC	<input type="checkbox"/>
8	100kΩ	R5, R6, R13, R15, R16, R18, R30, R36	291-100K-RC	<input type="checkbox"/>
1	470kΩ	R35	291-470K-RC	<input type="checkbox"/>
2	1MΩ	R2, R38	291-1M-RC	<input type="checkbox"/>

TOTAL: 42

Capacitors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
1	22pF Ceramic	C5	140-50N5-220J-RC	<input type="checkbox"/>
2	1nF Ceramic	C4, C13	140-50P2-102K-RC	<input type="checkbox"/>
1	10nF Ceramic	C12	140-100Z5-103Z-RC	<input type="checkbox"/>
2	47nF Ceramic	C3, C9	810-FK28X7R1H473K	<input type="checkbox"/>
6	100nF Ceramic	C10, C14, C15, C16, C17, C18	80-C322C104K5R	<input type="checkbox"/>
1	4.7μF Ceramic	C11	810-FK28X5R1A475K	<input type="checkbox"/>
3	1μF Electrolytic	C6, C7, C8	667-EEU-HD1H1R0	<input type="checkbox"/>
2	3.3μF Electrolytic	C1, C2	667-EEA-GA1H3R3	<input type="checkbox"/>
1	10μF Electrolytic	C20	871-B41827A9106M000	<input type="checkbox"/>
1	100μF Electrolytic	C19	140-RGA101M1EBK0611G	<input type="checkbox"/>

TOTAL: 20

Diodes:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	Red LED	D3	604-WP7113ID	<input type="checkbox"/>
3	1N4148	D1, D2, Reverse Polarity Protection	512-1N4148	<input type="checkbox"/>

TOTAL: 4

Transistors/Voltage Regulators:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
3	2N3904 NPN Transistor	Q1, Q2, Q3	512-2N3904BU	<input type="checkbox"/>
1	LM7805 Voltage Regulator	U5	512-LM7805ACT	<input type="checkbox"/>

TOTAL: 4

Integrated Circuits:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
2	8-Pin Socket	U1, U4	649-DILB8P-223TLF	<input type="checkbox"/>
2	14-Pin Socket	U2, U3	649-DILB14P-223TLF	<input type="checkbox"/>
1	CA3080	U1	Various Suppliers	<input type="checkbox"/>
1	UA741 OpAmp	U4	595-UA741CP	<input type="checkbox"/>
2	LM324 OpAmp	U2, U3	512-LM324N	<input type="checkbox"/>

TOTAL: 8

Potentiometers:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
1	50kΩ Linear	PAN	858-P160KN-0QC15B50K	<input type="checkbox"/>
4	100kΩ Linear OR 100kΩ Audio ***	MODE, SENSITIVITY, SWEEP, VCO	858-P160KN0QC15B100K	<input type="checkbox"/>
2	1MΩ Linear	DECAY, RATE	858-P160KN0QD15B1M	<input type="checkbox"/>
1	100kΩ Audio	LEVEL	858-P160KN0QC15A100K	<input type="checkbox"/>

TOTAL: 8

Switches:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	SPST Pushbutton (Momentary ON)	Manual Trigger	Various Suppliers	<input type="checkbox"/>
1	SPDT (ON/ON)	Noise Tone	Various Suppliers	<input type="checkbox"/>
1	SPST	On/Off	Various Suppliers	<input type="checkbox"/>

TOTAL: 3

Jacks/Connectors:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
3	1/4" Mono Jack	CV-IN, OUT, TRIGGER	550-10021	<input type="checkbox"/>
1	Piezo Contact Mic	N/A	eBay: 121253907508	<input type="checkbox"/>
1	9V Battery Clip	9V	12BC312-GR	<input type="checkbox"/>
1	DC Jack	DC Jack	Various Suppliers	<input type="checkbox"/>

TOTAL: 5

Other:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	5ft. Wire	Wire	Various Suppliers	<input type="checkbox"/>
1	PCB	PCB	Synthrotek	<input type="checkbox"/>

TOTAL: 2

\* R34 used to be a 33kΩ resistor. Depending on when you ordered your kit you may have a 33kΩ resistor instead of a 4.7kΩ resistor.

\*\* R33 used to be a 100kΩ resistor. Depending on when you ordered your kit you may have a 100kΩ resistor instead of a 15kΩ resistor.

\*\*\* You can use 100kA Pots instead of 100kB Pots. This will not change the sound itself but will change how you need to adjust the turn of the pot to achieve the same noise.