

Resistors:

QTY	Value	Ref.	Mouser Part #	
1	330Ω	R1	291-330-RC	<input type="checkbox"/>
4	1kΩ	R5, R6, R7, R8	291-1K-RC	<input type="checkbox"/>
3	10kΩ	R2, R4, R9	291-10K-RC	<input type="checkbox"/>
1	100kΩ	R3	291-100K-RC	<input type="checkbox"/>

TOTAL: 9

Capacitors:

QTY	Value	Ref.	Mouser Part #	
5	100nF Ceramic	C6, C7, C8, C9, C10	80-C322C104K5R	<input type="checkbox"/>
1	220nF Electrolytic	C3	667-ECE-A1HKAR22	<input type="checkbox"/>
1	470nF Electrolytic	C13	647-UFW1HR47MDD	<input type="checkbox"/>
1	1μF Electrolytic	C5	667-EEU-HD1H1R0	<input type="checkbox"/>
1	2.2μF Electrolytic	C12	647-UVR1H2R2MDD	<input type="checkbox"/>
1	10μF Electrolytic	C2	871-B41827A9106M000	<input type="checkbox"/>
2	100μF Electrolytic	C1, C11	140-RGA101M1EBK0611G	<input type="checkbox"/>

TOTAL: 12

Diodes:

QTY	Part	Ref.	Mouser Part #	
1	5mm Red LED	D3	604-WP7113ID	<input type="checkbox"/>
2	1N4148	D1, D2	512-1N4148	<input type="checkbox"/>

TOTAL: 3

Transistors/Voltage Regulators:

QTY	Part	Ref.	Mouser Part #	
1	LM78L05 Volt. Reg.	U5	512-LM78L05ACZ	<input type="checkbox"/>

TOTAL: 1

Integrated Circuits:

QTY	Part	Ref.	Mouser Part #	
1	8-Pin Socket	U1	649-DILB8P-223TLF	<input type="checkbox"/>
3	14-Pin Socket	U2, U3, U4	649-DILB14P-223TLF	<input type="checkbox"/>
1	7555 Timer	U1	595-TLC555CP	<input type="checkbox"/>
1	74HC164	U2	595-SN74HC164N	<input type="checkbox"/>
1	74HC86	U3	595-SN74HC86N	<input type="checkbox"/>
1	CD4093	U4	595-CD4093BE	<input type="checkbox"/>

TOTAL: 8

Potentiometers:

QTY	Value	Ref.	Mouser Part #	
1	100kΩ Linear	Rate	858-P160KN0QC15B100K	<input type="checkbox"/>
1	500kΩ Linear	OSC_LVL	858-P160KN0QC15B500K	<input type="checkbox"/>
2	1MΩ Linear	OSC1, OSC2	858-P160KN0QD15B1M	<input type="checkbox"/>
1	100kΩ Audio	Volume	858-P160KN0QC15A100K	<input type="checkbox"/>

TOTAL: 5

Switches:

QTY	Part	Ref.	Mouser Part #	
2	SPST	ON/OFF, OSC_ON/OFF	Various Suppliers	<input type="checkbox"/>
1	SPDT (On/Off/On)	TONE	Various Suppliers	<input type="checkbox"/>

TOTAL: 3

Jacks/Connectors:

QTY	Part	Ref.	Mouser Part #	
3	1/8" Mono Jack	OUT, CV, OSC_IN	16PJ138	
1	DC Jack	DC Jack	Various Suppliers	
1	9V Battery Clip	9V Battery	12BC312-GR	

TOTAL: 5

Other:

QTY	Part	Ref.	Mouser Part #	
1	5ft. Wire	Wire	Various Suppliers	
1	PCB	PCB	Synthrotek	

TOTAL: 2