



# Simple Mixer Bill of Materials






















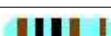
Version 2016December08

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## Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	(10k A Potentiometer)		
R2	(10k A Potentiometer)		
R3	(10k A Potentiometer)		
R4	(10k A Potentiometer)		
R5	100k	 brown-black-yellow	 brown-black-black-orange
R6	100k	 brown-black-yellow	 brown-black-black-orange
R7	100k	 brown-black-yellow	 brown-black-black-orange
R8	100k	 brown-black-yellow	 brown-black-black-orange
R9	100k	 brown-black-yellow	 brown-black-black-orange
R10	82k	 grey-red-orange	 Grey-red-black-red
R11	100k	 brown-black-yellow	 brown-black-black-orange
R12	100k	 brown-black-yellow	 brown-black-black-orange
R13	100k	 brown-black-yellow	 brown-black-black-orange
R14	1M	 brown-black-green	 brown-black-black-yellow
R15	1k	 brown-black-red	 brown-black-black-brown

## Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	0.1 $\mu$ F	Film or ceramic	104 or 1k



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C2	0.1 $\mu$ F	Film or ceramic	104 or 1k
C3	0.1 $\mu$ F	Film or ceramic	104 or 1k
C4	0.1 $\mu$ F	Film or ceramic	104 or 1k
C5	2.2 $\mu$ F	Aluminum Electrolytic	2.2 $\mu$ F
C6	2.2 $\mu$ F	Aluminum Electrolytic	2.2 $\mu$ F
C7	22 $\mu$ F	Aluminum Electrolytic	22 $\mu$ F

### **Potentiometers:**

Part ID	Value	Type
R1 - Volume Control Channel 1	10k	Audio (log) Taper
R2 - Volume Control Channel 2	10k	Audio (log) Taper
R3 - Volume Control Channel 3	10k	Audio (log) Taper
R4 - Volume Control Channel 4	10k	Audio (log) Taper

### **Other:**

Part ID	Part Name
D1	LED
IC1	TL072 or other dual opamp
J1	Mono quarter-inch jack
J2	Mono quarter-inch jack
J3	Mono quarter-inch jack
J4	Mono quarter-inch jack
J5	Stereo quarter-inch jack
J6	DC Jack
B1	9 volt battery (not included in the Kit)
	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, IC Socket Enclosure, Knobs