



ColorSound™ Supa ToneBender™ Replica) Bill of Materials

Version 2014May21

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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	33k	 orange-orange-orange	 orange-orange-black-red
R2	100k	 brown-black-yellow	 brown-black-black-orange
R3	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R4	100 ohm	 brown-black-brown	 brown-black-black-black
R5	15k	 brown-green-orange	 brown-green-black-red
R6 (Gain Control Potentiometer)	10k Log		
R7	1k	 brown-black-red	 brown-black-black-brown
R8	8k2 (8.2k)	 gray-red-red	 gray-red-black-brown
R9	100k	 brown-black-yellow	 brown-black-black-orange
R10	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R11	10k	 brown-black-orange	 brown-black-black-red
R12	100 ohm	 brown-black-brown	 brown-black-black-black
R13	8k2 (8.2k)	 gray-red-red	 gray-red-black-brown
R14	100k	 brown-black-yellow	 brown-black-black-orange
R15	470k	 yellow-violet-yellow	 yellow-violet-black-orange



















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R16	100 ohm		
R17	15k		
R18	33k		
R19	33k		
R20 (Tone Control Potentiometer)	100k Linear		
R21	100k		
R22	470k		
R23	2k7 (2.7k)		
R24	10k		
R25 (Volume Control Potentiometer)	10k Log		
R26	1M5 (1.5M)		
R27	1k		

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	0.1 μ F	Film	104
C2	560pF	Ceramic or Film	561
C3	0.1 μ F	Film	104
C4	0.1 μ F	Film	104



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C5	560pF	Ceramic or Film	561
C6	none		
C7	0.1 μ F	Film	104
C8	560pF	Ceramic or Film	561
C9	0.1 μ F	Film	104
C10	0.0047 μ F	Ceramic or Film	472
C11	0.01 μ F	Film	103
C12	0.1 μ F	Film	104
C13	0.1 μ F	Film	104
C14 (optional)	100 μ F	Aluminum Electrolytic	100 μ F
C15	none		
C16	0.1 μ F	Film	104
C17	10 μ F	Aluminum Electrolytic	10 μ F

Potentiometers:

Part ID	Value	Type
R6 - Sustain Control	10k	Log (or Audio) Taper
R20 - Tone Control	100k	Linear Taper
R25 - Volume Control	10k	Log (or Audio) Taper

Other:

Part ID	Part Name
D1	1N914
D2	1N914
D3	1N914



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D4	1N914
D5	LED
Q1	NPN bipolar junction transistor
Q2	NPN bipolar junction transistor
Q3	NPN bipolar junction transistor
Q4	NPN bipolar junction transistor
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack
J3	DC Jack
B1	9 volt battery (Not included in the Kit)
Sw1	Heavy Duty 3PDT foot switch
	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs

Examples of other NPN bipolar junction transistors:

- BC546 (original)
- 2N5089
- 2N3904
- 2N4401
- many others