



# ColorSound™ Bass Fuzz Replica)

## Bill of Materials

Version 2016March09

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### Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1 (in C1 Placement)	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 (Fuzz Control Potentiometer)	100k 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
R16	100 ohm	 brown-black-brown	 brown-black-black-black

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R17	15k		
R18 (in C10 Placement)	33k		
R19 (in C11 placement)	33k		
R20 (Tone Control Potentiometer)	100k Linear		
R21	none		
R22	none		
R23	none		
R24	none		
R25 (Volume Control Potentiometer)	100k Log		
R26	1M5 (1.5M)		
R27	1k		

### Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1 (in R1 placement)	0.22 $\mu$ F	Film	224
C2	0.001 $\mu$ F	Ceramic or Film	102
C3	0.22 $\mu$ F	Film	224
C4	0.22 $\mu$ F	Film	224
C5	0.001 $\mu$ F	Ceramic or Film	102
C6	none		
C7	0.22 $\mu$ F	Film	224
C8	0.001 $\mu$ F	Ceramic or Film	102
C9	0.22 $\mu$ F	Film	224



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C10 (in R19 placement)	0.0047 $\mu$ F	Ceramic or Film	472
C11 (in R18 placement)	0.01 $\mu$ F	Ceramic or Film	103
C12	None		
C13	None		
C14	47 $\mu$ F	Aluminum Electrolytic	47 $\mu$ F
C15	none		
C16	0.22 $\mu$ F	Film	224
C17	none		

### Potentiometers:

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

### Other:

Part ID	Part Name
D1	1N4148
D2	1N4148
D3	none
D4	none
D5	LED
Q1	BC549C or 2N5089 or other NPN bipolar junction transistor
Q2	BC549C or 2N5089 or other NPN bipolar junction transistor



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Q3	BC549C or 2N5089 or other NPN bipolar junction transistor
Q4	none
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack
J3	DC Jack
B1	9 volt battery
Sw1	Heavy Duty 3PDT foot switch
	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs