



Rodent (ProCo™ Rat™ Replica) Bill of Materials

Version 2013July10

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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	1M	 brown-black-green	 brown-black-black-yellow
R2	1k	 brown-black-red	 brown-black-black-brown
R3 (Distortion Control)	100k Log Potentiometer		
R4	560 ohm	 green-blue-brown	 green-blue-black-black
R5	47 ohm	 yellow-violet-black	 yellow-violet-black-gold
R6	1k	 brown-black-red	 brown-black-black-brown
R7 (Filter Control)	100k Log Potentiometer		
R8	1k5 (1.5k)	 brown-green-red	 brown-green-black-brown
R9	1M	 brown-black-green	 brown-black-black-yellow
R10	10k	 brown-black-orange	 brown-black-black-red
R11 (Volume Control)	100k Log Potentiometer		
R12	10k	 brown-black-orange	 brown-black-black-red
R13	22k	 red-red-orange	 red-red-black-red
R14	47 ohm	 yellow-violet-black	 yellow-violet-black-gold
R15	10k	 brown-black-orange	 brown-black-black-red
R16	10k	 brown-black-orange	 brown-black-black-red







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R17	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R18	1k	 brown-black-red	 brown-black-black-brown

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	0.022 μ F	Film	223
C2	0.001 μ F	Film	102
C3	100pF	Ceramic or Film	101 (or 100pF)
C4	30pF	Ceramic or Film	30
C5	4.7 μ F	Aluminum Electrolytic	4.7 μ F
C6	2.2 μ F	Aluminum Electrolytic	2.2 μ F
C7	4.7 μ F	Aluminum Electrolytic	4.7 μ F
C8	0.0033 μ F	Film	332
C9	0.022 μ F	Film	223
C10	1 μ F	Aluminum Electrolytic	1 μ F
C11	100 μ F	Aluminum Electrolytic	100 μ F
C12	47 μ F	Aluminum Electrolytic	47 μ F
C13	0.047 μ F	Film	473
C14	47 μ F	Aluminum Electrolytic	47 μ F

Potentiometers:

Part ID	Value	Type
R3 - Distortion Control	100k	Log (or Audio) Taper
R7 - Filter Control	100k	Log (or Audio) Taper
R11 - Volume Control	100k	Log (or Audio) Taper

Other:

Part ID	Part Name
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IC1	LM308 or OP07 opamp (LM208 or other opamp with like slew rate spec can also be used)
D1	1N914
D2	1N914
D3	1N4002 (or other diode)
D4	LED
Q1	JFET transistor 2N5458
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack
J3	DC Jack
B1	9 volt battery (Not included in Kit)
Sw1	Heavy Duty 3PDT foot switch
	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs, Rubber Feet, PCB Standoffs