

# BMP (EHX™ Big Muff Pi™ Replica) Ram's Head Version Bill of Materials

























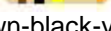
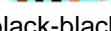

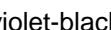
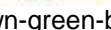
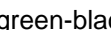
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## Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	39k	 orange-white-orange	 orange-white-black-red
R2	47k	 yellow-violet-orange	 yellow-violet-black-red
R3	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R4	120 ohm	 brown-red-brown	 brown-red-black-black
R5	10k	 brown-black-orange	 brown-black-black-red
R7	1k	 brown-black-red	 brown-black-black-brown
R8	10k	 brown-black-orange	 brown-black-black-red
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	150 ohm	 brown-green-brown	 brown-green-black-black
R13	10k	 brown-black-orange	 brown-black-black-red
R14	100k	 brown-black-yellow	 brown-black-black-orange
R15	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R16	150 ohm	 brown-green-brown	 brown-green-black-black


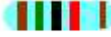













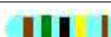

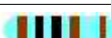
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R17	15k	 brown-green-orange	 brown-green-black-red
R18	22k	 red-red-orange	 red-red-black-red
R19	39k	 orange-white-orange	 orange-white-black-red
R21	100k	 brown-black-yellow	 brown-black-black-orange
R22	430k	 yellow-orange-yellow	 yellow-orange-black-orange
R23	3k3 (3.3k)	 orange-orange-red	 orange-orange-black-brown
R24	15k	 brown-green-orange	 brown-green-black-red
R26	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R27	1k	 brown-black-red	 brown-black-black-brown

## Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	10 $\mu$ F	Aluminum Electrolytic	10 $\mu$ F
C2	560pF	Ceramic or Film	561
C3	0.1 $\mu$ F	Film	104
C4	0.1 $\mu$ F	Film	104
C5	560pF	Ceramic or Film	561
C6	0.1 $\mu$ F	Film	104
C7	0.1 $\mu$ F	Film	104
C8	560pF	Ceramic or Film	561
C9	1 $\mu$ F	Film or aluminum electrolytic	105 or 1 $\mu$ F
C10	0.0039 $\mu$ F	Ceramic or Film	392 or 3n9



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C11	0.01 $\mu$ F	Film	103
C12	0.1 $\mu$ F	Film	104
C13	1 $\mu$ F	Film or aluminum electrolytic	105 or 1 $\mu$ F
C14	100 $\mu$ F	Aluminum Electrolytic	100 $\mu$ F
C15	100pF	Ceramic or Film	101 (or 100pF)

### **Potentiometers:**

Part ID	Value	Type
R6 - Sustain 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	1N914
D2	1N914
D3	1N914
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



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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:

- 2N5088 (original)
- 2N3904
- 2N4401
- many others