

# BMP (EHX™ Big Muff Pi™ Replica) Black Russian Version Bill of Materials















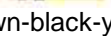
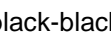
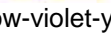
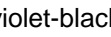


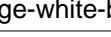
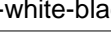





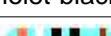
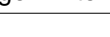
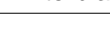
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## Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	39k	 orange-white-orange	 orange-white-black-red
R2	100k	 brown-black-yellow	 brown-black-black-orange
R3	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R4	390 ohm	 orange-white-brown	 orange-white-black-black
R5	12k	 brown-red-orange	 brown-red-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	12k	 brown-red-orange	 brown-red-black-red
R12	390 ohm	 orange-white-brown	 orange-white-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	390 ohm	 orange-white-brown	 orange-white-black-black
















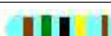


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R17	12k	 brown-red-orange	 brown-red-black-red
R18	22k	 red-red-orange	 red-red-black-red
R19	22k	 red-red-orange	 red-red-black-red
R21	100k	 brown-black-yellow	 brown-black-black-orange
R22	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R23	2k7 (2.7k)	 red-violet-red	 red-violet-black-brown
R24	10k	 brown-black-orange	 brown-black-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	0.1µF	Film	104
C2	470pF	Ceramic or Film	471
C3	0.1µF	Film	104
C4	0.1µF	Film	104
C5	470pF	Ceramic or Film	471
C6	0.047µF	Film	473
C7	0.1µF	Film	104
C8	470pF	Ceramic or Film	471
C9	0.047µF	Film	473
C10	0.0039µF	Ceramic or Film	392 or 3n9



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C11	0.01µF	Film	103
C12	0.1µF	Film	104
C13	0.1µF	Film	104
C14	100µF	Aluminum Electrolytic	100µF
C15	100pF	Ceramic or Film	101 (or100pF)

### 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 (no 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)
- 2N5089
- 2N3904
- 2N4401
- many others