

# MRFR (Mosrite™ Fuzzrite™ Replica) Bill of Materials















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## Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R2	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R3	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R4	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R5	None		
R6	None		
R9	0 ohm or jumper wire	 black	 black
R10	1k	 brown-black-red	 brown-black-black-brown
R11(Optional)	1M5	 brown-green-green	 brown-green-black-yellow
R12	None		
R13	None		
R14	None		
R15	None		
R16	None		

## Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	0.047 $\mu$ F	Film or Ceramic	473
C2	None		
C3	0.047 $\mu$ F	Film	473
C4	0.0022 $\mu$ F	Film	222
C5	0.0022 $\mu$ F	Film	222
C6	None		
C7	None		



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C8	None		
C9	None		
C10	None		
C11	None		

### Potentiometers:

Part ID	Value	Type
R7 - Volume Control	50k	Linear Taper
R8 - Fuzz Control	500k	Linear Taper

### Other:

Part ID	Part Name
Q1	low-gain NPN bipolar junction transistor
Q2	low-gain NPN bipolar junction transistor
Q3	None
D1	None
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 low-gain NPN bipolar junction transistors:

- 2N3904
- 2N4401
- BC546A
- BC547A
- BC548A
- BC549A