



Discrete NPN Transistor Buffer Bill of Materials

Version 2013March05

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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	220k	 red-red-yellow	 red-red-black-orange
R2	220k	 red-red-yellow	 red-red-black-orange
R3	0 ohm or jumper wire	 black	 black
R4	3k3 (3.3k)	 orange-orange-red	 orange-orange-black-brown
R6	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R7	1k	 brown-black-red	 brown-black-black-brown

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	0.1 μ F	Film	104
C4	100 μ F	Aluminum Electrolytic, or Tantalum	100 μ F
C7	10 μ F	Aluminum Electrolytic, or Tantalum	10 μ F

Other:

Part ID	Part Name
Q1	J201 or 2N5457 or similar JFET Transistor
D1	1N914 (or similar Silicon diode)
D2	LED (status indicator)
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack
J3	DC Jack
B1	9 volt battery
Sw1	Heavy Duty 3PDT foot switch



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	Printed Circuit Board (CB1), 9v battery snap, 24 gauge stranded wire, Enclosure
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