



LM384 Practice Amplifier Bill of Materials





















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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	Jumper	 black	 black
R2	None		
R3 (8 ohm)	39 ohm	 orange-white-gold-gold	 orange-white-black-gold
R4 (8 ohm)	10 ohm	 brown-black-black	 brown-black-black-gold
R3 (4 ohm)	30 ohm	 orange-black-gold-gold	 orange-black-black-gold
R4 (4 ohm)	4.75 ohm	 yellow-violet-gold-gold	 yellow-violet-silver-brown
R3 (16 ohm)	82 ohm	 gray-red-gold-gold	 gray-red-black-gold-brown
R4 (16 ohm)	20 ohm	 red-black-gold-gold	 red-black-black-gold-brown
R5	Jumper	 black	 black
R6	1k	 brown-black-red	 brown-black-black-brown
R7	1k	 brown-black-red	 brown-black-black-brown
R8 Volume Control Potentiometer	50k Linear		

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	1 μ F	Aluminum Electrolytic, or Tantalum	1 μ F
C2	Jumper	 black	 black



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C3	220µF	Aluminum Electrolytic, or Tantalum	220µF
C4	0.1µF	Film	104
C5	220µF	Aluminum Electrolytic, or Tantalum	220µF
C6	220µF	Aluminum Electrolytic, or Tantalum	220µF
C7	0.1µF	Film	104
C8	Jumper		

Other:

Part ID	Part Name
IC1	LM384 (14 pin)
IC Socket	14pin DIP
D1	LED (status indicator) (with mounting clip)
J1 (Guitar Input)	Mono quarter-inch jack
J2 (Speaker Output)	Mono quarter-inch jack
J3	DC Jack
Power Supply	12 to 28 volts DC At least 500mA
	Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knob