

# Weslie (Sort of a Leslie Simulator) Bill of Materials












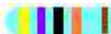










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## Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	none		
R2	68k	 blue-gray-orange	 blue-gray-black-red
R3	15k	 brown-green-orange	 brown-green-black-red
R4 (Speed Control Potentiometer)	100k Reverse Log		
R5	3M9 (3.9M)	 orange-white-green	 orange-white-black-yellow
R6	82k	 gray-red-orange	 gray-red-black-red
R7	100k	 brown-black-yellow	 brown-black-black-orange
R6 (Weight Control Potentiometer)	500k Linear		
R9	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R10	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R11 (Tone Control Potentiometer)	1k Linear		
R12	1k Trimmer Potentiometer		
R13	470 ohm	 yellow-violet-brown	 yellow-violet-black-black
R14	33k	 orange-orange-orange	 orange-orange-black-red
R15	33k	 orange-orange-orange	 orange-orange-black-red
R16	33k	 orange-orange-orange	 orange-orange-black-red

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R17	1M	 brown-black-green	 brown-black-black-yellow
R18	22k	 red-red-orange	 red-red-black-red
R19	680 ohm	 blue-gray-brown	 blue-gray-black-black
R20 (Accent Control Potentiometer)	5k Linear		
R21	1k	 brown-black-red	 brown-black-black-brown
R22	1k Trimmer Potentiometer		
R23	33k	 orange-orange-orange	 orange-orange-black-red
R24	1k	 brown-black-red	 brown-black-black-brown

## **Capacitors:**

Capacitor ID	Value	Type	Possible Marking
C1	none		
C2	100 $\mu$ F	Aluminum Electrolytic	100 $\mu$ F
C3	0.22 $\mu$ F	Film or Ceramic	224
C4	0.22 $\mu$ F	Film or Ceramic	224
C5	0.22 $\mu$ F	Film or Ceramic	224
C6	0.22 $\mu$ F	Film or Ceramic	224
C7	0.01 $\mu$ F	Film or Ceramic	103
C8	0.01 $\mu$ F	Film or Ceramic	103
C9	0.1 $\mu$ F	Film or Ceramic	104
C10	4.7 $\mu$ F	Aluminum Electrolytic	4,7 $\mu$ F
C11	0.1 $\mu$ F	Film or Ceramic	104
C12	0.1 $\mu$ F	Film or Ceramic	104



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## Potentiometers:

Part ID	Value	Type
R4 - Speed Control	100k	Reverse Log Taper
R8 - Weight Control	500k	Linear Taper
R11 - Tone Control	1k	Linear Taper
R20 - Accent Control	5k	Linear Taper

## Other:

Part ID	Part Name
D1	1N5232B (5.6v Zener)
D2	LED
Q1	2N4401 bipolar junction transistor (or similar)
Q2	MPF102 JFET transistor
Q3	2N4401 bipolar junction transistor (or similar)
Q4	2N4401 bipolar junction transistor (or similar)
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