



Roland™ BeeBaa™ Replica Bill of Materials


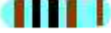



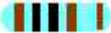



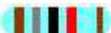

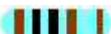





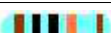












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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	1k	 brown-black-red	 brown-black-black-brown
R2	10k	 brown-black-orange	 brown-black-black-red
R3	1k	 brown-black-red	 brown-black-black-brown
R4	100k	 brown-black-yellow	 brown-black-black-orange
R5	18k	 brown-gray-orange	 brown-gray-black-red
R6	1k	 brown-black-red	 brown-black-black-brown
R7	10k	 brown-black-orange	 brown-black-black-red
R8	1k8 (1.8k)	 brown-gray-red	 brown-gray-black-brown
R9	100k	 brown-black-yellow	 brown-black-black-orange
R10	15k	 brown-green-orange	 brown-green-black-red
R11	10k	 brown-black-orange	 brown-black-black-red
R12	1k5 (1.5k)	 brown-green-red	 brown-green-black-brown
R13	100k	 brown-black-yellow	 brown-black-black-orange
R14	15k	 brown-green-orange	 brown-green-black-red
R15	10k	 brown-black-orange	 brown-black-black-red

























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R16	1k5 (1.5k)	 brown-green-red	 brown-green-black-brown
R17	33k	 orange-orange-orange	 orange-orange-black-red
R18	10k	 brown-black-orange	 brown-black-black-red
R19	47k	 yellow-violet-orange	 yellow-violet-black-red
R20	47k	 yellow-violet-orange	 yellow-violet-black-red
R21	22k	 red-red-orange	 red-red-black-red
R22	220k	 red-red-yellow	 red-red-black-orange
R23	10k	 brown-black-orange	 brown-black-black-red
R24	47k	 yellow-violet-orange	 yellow-violet-black-red
R25	68k	 blue-gray-orange	 blue-gray-black-red
R26	100k Audio Potentiometer (Boost Control)		
R27	100k Audio Potentiometer (Sustain Control)		
R28	100k Audio Potentiometer (Tone Control)		
R29	100k Audio Potentiometer (Volume Control)		
R30	1k	 brown-black-red	 brown-black-black-brown

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	1 μ F	Aluminum Electrolytic	1 μ F



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C2	47µF	Aluminum Electrolytic	47µF
C3	100pF	Ceramic	101
C4	10µF	Aluminum Electrolytic	10µF
C5	1µF	Aluminum Electrolytic	1µF
C6	1µF	Aluminum Electrolytic	1µF
C7	0.0047µF	Film or Ceramic	472
C8	1µF	Aluminum Electrolytic	1µF
C9	1µF	Aluminum Electrolytic	1µF
C10	0.0047µF	Film or Ceramic	472
C11	10µF	Aluminum Electrolytic	10µF
C12	1µF	Aluminum Electrolytic	1µF
C13	0.0022µF	Film or Ceramic	222
C14	0.0022µF	Film or Ceramic	222
C15	0.1µF	Film	104
C16	0.0068µF	Film or Ceramic	682
C17	0.022µF	Film or Ceramic	223
C18	47µF	Aluminum Electrolytic	47µF

Potentiometers:

Part ID	Value	Type
R10 - Boost Control	100k	Log (or Audio) Taper
R10 - Sustain Control	100k	Log (or Audio) Taper
R10 - Tone Control	100k	Log (or Audio) Taper
R10 - Volume Control	100k	Log (or Audio) Taper

Other:

Part ID	Part Name
D1	LED
Q1	2N5089 (or other NPN BJT Transistor)
Q2	2N5089 (or other NPN BJT Transistor)
Q3	2N5089 (or other NPN BJT Transistor)



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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
Sw2	DPDT Toggle or Foot Switch
Sw3	SPDT Toggle Switch
	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs