



# SECF (Shin Ei Companion Fuzz FY-2™ Replica) Bill of Materials

Version 2009May26

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## Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	2M2 (2.2 M)	 red-red-green	 red-red-black-yellow
R2	22k	 red-red-orange	 red-red-black-red
R3	1M2 (1.2 M)	 brown-red-green	 brown-red-black-yellow
R4	47k	 yellow-violet-orange	 yellow-violet-black-red
R5	10k	 brown-black-orange	 brown-black-black-red
R6	15k	 brown-green-orange	 brown-green-black-red
R9	100k	 brown-black-yellow	 brown-black-black-orange
R10	1k	 brown-black-red	 brown-black-black-brown
R11(Optional)	1M5	 brown-green-green	 brown-green-black-yellow
R12	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R13	47k	 yellow-violet-orange	 yellow-violet-black-red
R14	10k	 brown-black-orange	 brown-black-black-red
R15	390 ohm	 orange-white-brown	 orange-white-black-black
R16	100k	 brown-black-yellow	 brown-black-black-orange

## Capacitors:

Capacitor ID	Value	Type	Possible Marking
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C1	0.047µF	Film	473
C2	0.001µF	Film	102
C3	0.047µF	Film	473
C4	0.0022µF	Film	222
C5	0.0033µF	Film	332
C6	0.001µF	Film	102
C7	0.1µF	Film	104
C8	0.047µF	Film	473
C9	10µF	Aluminum Electrolytic	10µF
C10	10µF	Aluminum Electrolytic	10µF
C11	100µF	Aluminum Electrolytic	100µF

## Potentiometers:

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

## Other:

Part ID	Part Name
Q1	low-gain NPN bipolar junction transistor
Q2	low-gain NPN bipolar junction transistor
Q3	2N3904
D1	1N4001 or other
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



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Examples of low-gain NPN bipolar junction transistors:

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