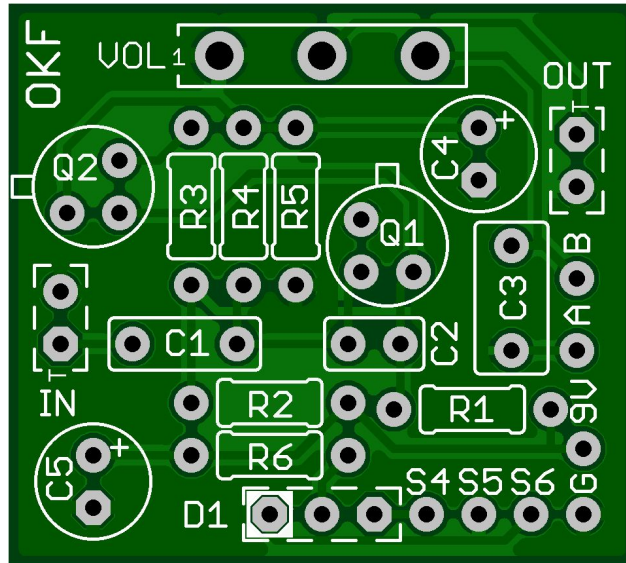


GuitarPCB.com One-Knob Fuzz

Based on the classic Colorsound "Fuzz Box" of the 60's with a huge influence on both 70's and Doom style Fuzz tones. Unique to our version designed by Bruce R. is a tweaked resistor to stabilize any Fuzz issues as well as the addition of **A/B pads** at the output for further modification if you so desire. Finally each board contains Pads for the direct mounting of a potentiometer directly on the board for an easy build. Those who know the history or have played one before know that while it may have been a One-Trick pony it sure was a Sonic Eargasm of Fuzz Tone.

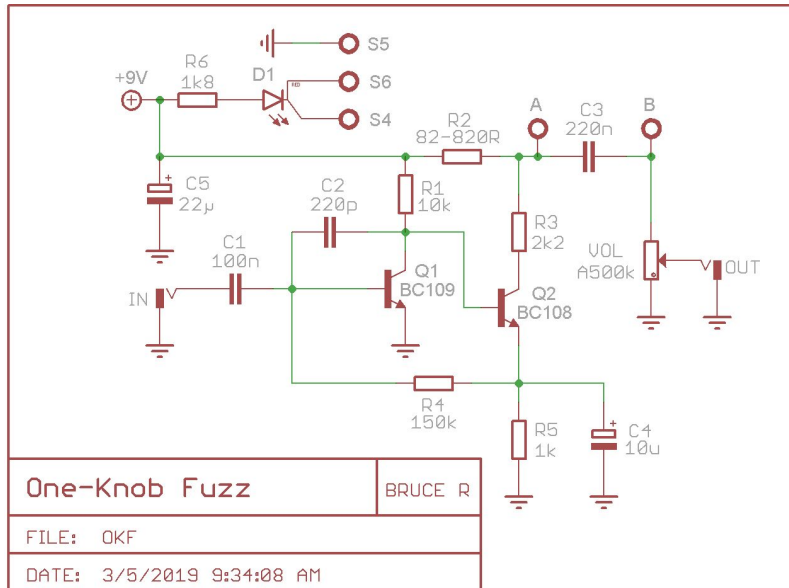


Board Dimensions: 1.2 x 1.075 inches, 30.5 x 27.3 mm.

Part	Value
R1	10k
R2	820R
R3	2k2
R4	150k
R5	1k
R6	1k8
Q1	BC109
Q2	BC108
C1	100n
C2	220p
C3	220n
C4	10u
C5	22u
D1	LED-DUAL-APADS
VOL	A500k

Feel free to experiment with different transistors and gains. Listed above is stock but use sockets and find your favorite.

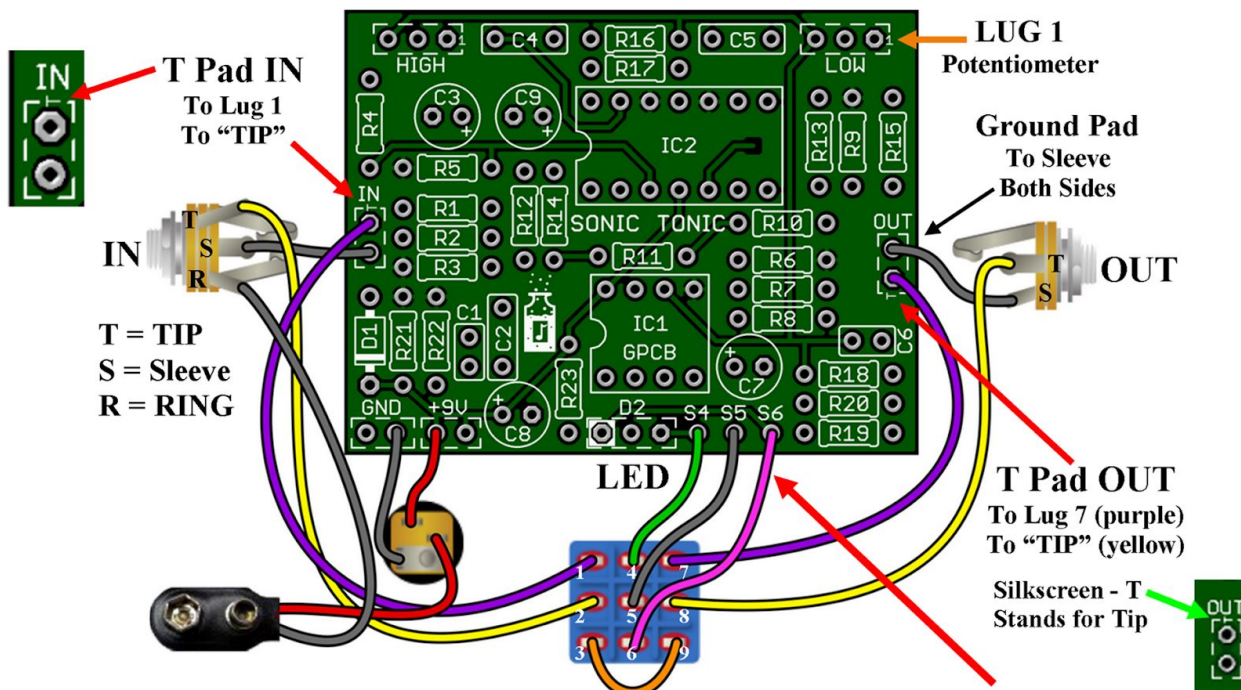
For example you may wish to try 2N5089, 2N4401, 2N3904 or 2N222.



Build Notes:

- Many sources show R2 as an 82 ohm resistor. **We believe the 820 ohm is correct.** You can also use a 1k here if you don't have any 820 ohm, or socket and see what you prefer. The difference is extremely minor in ohms.
- This board is designed to accommodate a 16mm right-angle PCB Mount pot, which are available at most pedal parts suppliers like Mammoth, Das Musikding, Small Bear, etc.

Use the standard wiring diagram below. Be sure to use the "T" pads on the In and Out sections for connecting Audio which routes to Jack Tip. The pad beside it is a ground for connecting to Jack Sleeve.

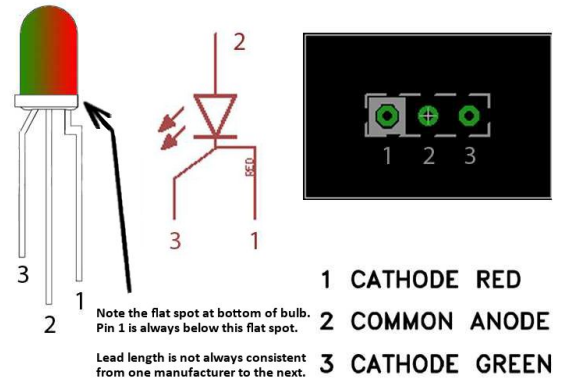


Use S4, S5 & S6 wiring when mounting Status LED on the Main Board.

STATUS LED

D1 is a common anode bi-color LED. The diagram at right shows the pin-out, schematic symbol and pad connection for a common anode LED. The pin-out for the bi-color LED is typically (but not always) as follows: The lead 1 pad on the circuit board is marked with a white box.

When connected correctly, the LED will light red when power is applied and the circuit is in bypass mode. The LED will light green when in effects mode. **If you wish to use a standard LED, connect the anode to the middle pad and the cathode to the right (non-white) pad to show the circuit in effects mode.** If you use a 3PDT wiring board that includes an LED, you can omit this LED and Rx. **Rx is the LED's Current Limiting Resistor (CLR).** If you use a different LED, you may want to change this value to adjust LED brightness.



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If they do not have a KIT listed send them a note asking if they can help you out.



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