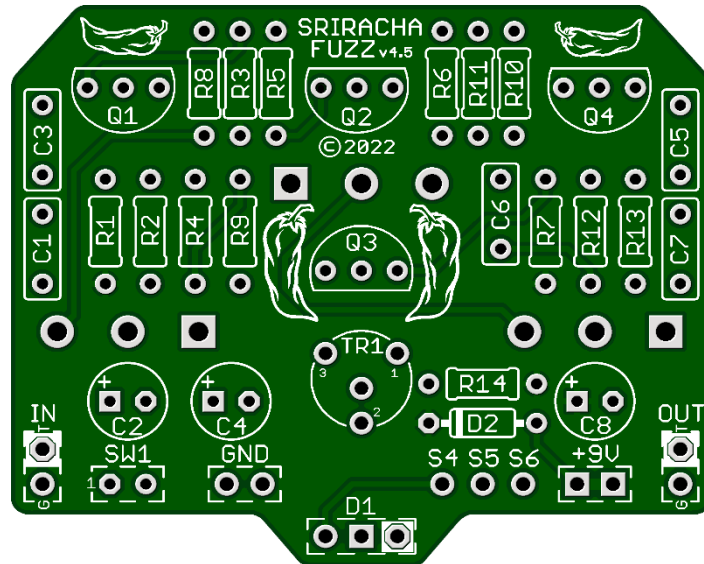


# SRIRACHA FUZZ 2022

A **Spicy Hot Sustaining Fuzz** that is as easy to build as it is to play with long sustain with lots of tonal variations. The tone control in tandem with the fat switch was specifically designed to allow sounds ranging from warm mellow fuzz, to 70's style mid scoop to a bright fuzz that cuts through the mix.

**Note:** 2022 version 4.5 is almost identical to v4. The layout and parts are the same except we moved D1 (LED) downward to make room for the newly added circuit protection diode (**D2-1N5817**) right under R14. As a result, we felt it was unnecessary to do a completely new build document.



V4.5 Board Dimensions (W x H) 1.95" x 1.61"

## Bill of Materials

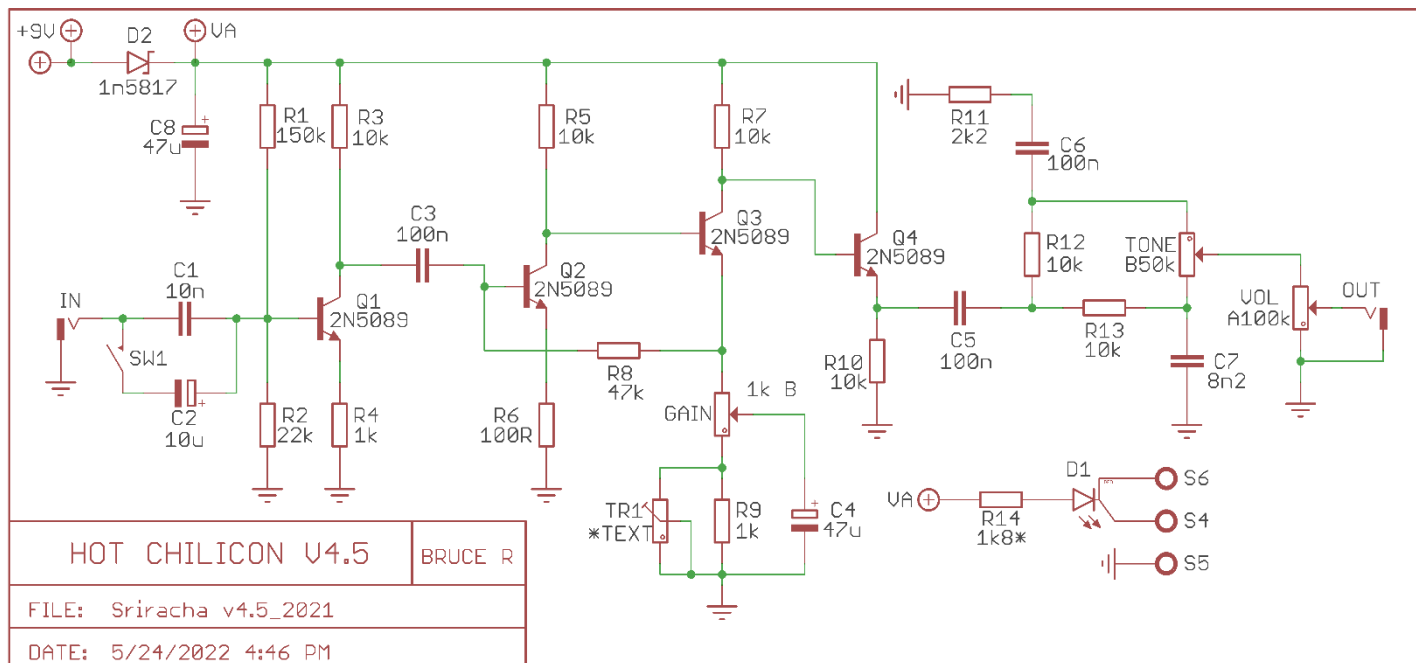
Part	Value	Part	Value	Part	Value
R1	150k	R13	10k	Q1 - Q4	2N5089
R2	22k	R14	3k3		
R3	10k			VOL	100k A
R4	1k	C1	10n	GAIN	1k B
R5	10k	C2	10u	TONE	50k B
R6	100R	C3	100n		
R7	10k	C4	47u	<b>*TR1</b>	2k Option to R9
R8	47k	C5	100n		
<b>*R9</b>	1k	C6	100n	D1	CA - BiColor LED
R10	10k	C7	8n2	SW1	SPST - Fat Switch
R11	2k2	C8	47u		
R12	10k			<b>**D2</b>	1N5817 v4.5 only

### Build Notes:

\* Install R9 or TR1 but do not install both. The 2K or even 5k TR1 trimmer will add more flexibility.

\*\* New v4.5 version adds D2 (1N5817) Circuit protection Diode.

- Chiming chords with Gain at 8:00 and Guitar Volume at 6-8. Sustains well when guitar volume turned up.
- Single coil guitars work extremely well with this circuit and can achieve a high gain sustaining fuzz.
- When using humbuckers or higher output pickups lower the gain control to 9:00 for amazing versatility.

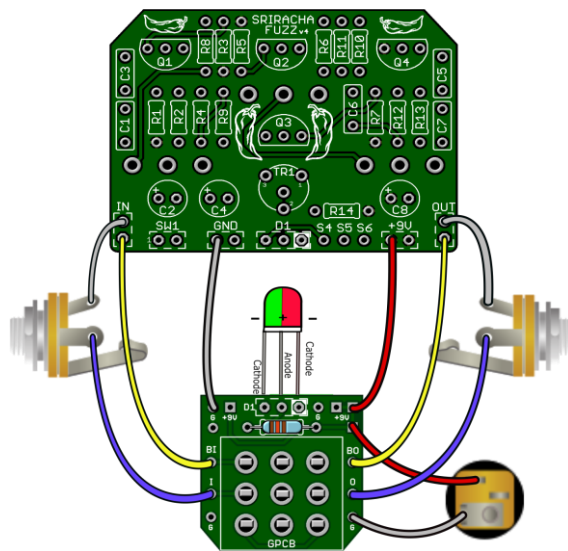
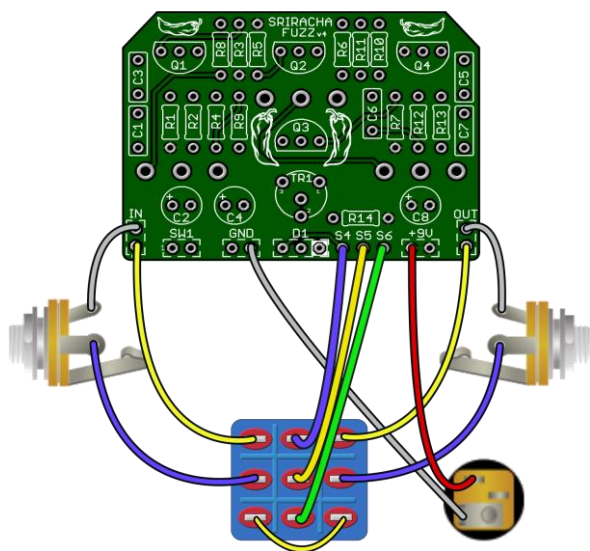


**Potentiometer Wiring:** You may use 16mm right angle pots or hand wire, your choice. We recommend drilling 5/16" min. slightly large to allow an easier fit. **The best option is to install the pots (with Pot Condoms) in the enclosure first before soldering them to the board. The board can then be removed for final testing, etc..**

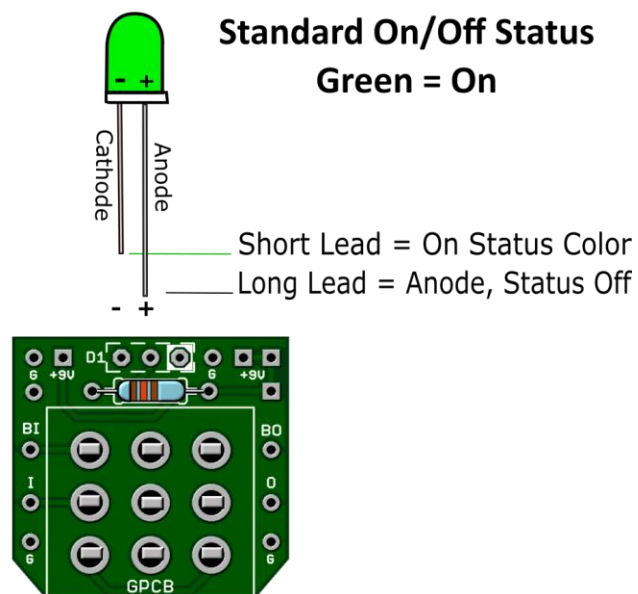
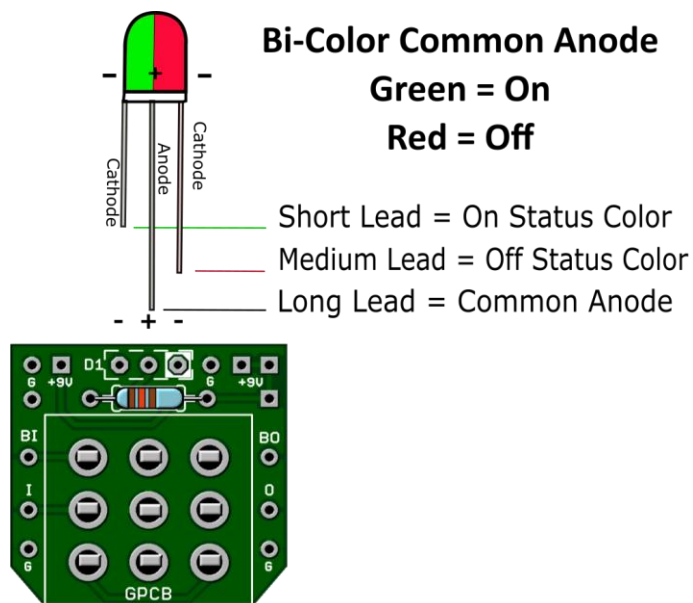
**Potentiometer Sourcing:** All required Potentiometer values of 16mm Right Angle potentiometer, may be purchased at [Small Bear](#) as well as the rest of them. In Europe they are also available at [Das Musikding](#). If you are going to use **In/Out Jacks** that mount from the top we suggest [Switchcraft #111](#) which can also be purchased at Small bear in the USA or Das Musikding in Europe.

**Disclosure:** GuitarPCB is not affiliated with any of versions of this circuit that may be available commercially or any modified.

If using our convenient 3PDT Wiring Boards (below) here is an LED wiring guide. You may use Common Anode Bi-Color or Standard On/Off. The wiring boards use the same symmetrical layout as if wiring straight to the switch.



## STATUS LED

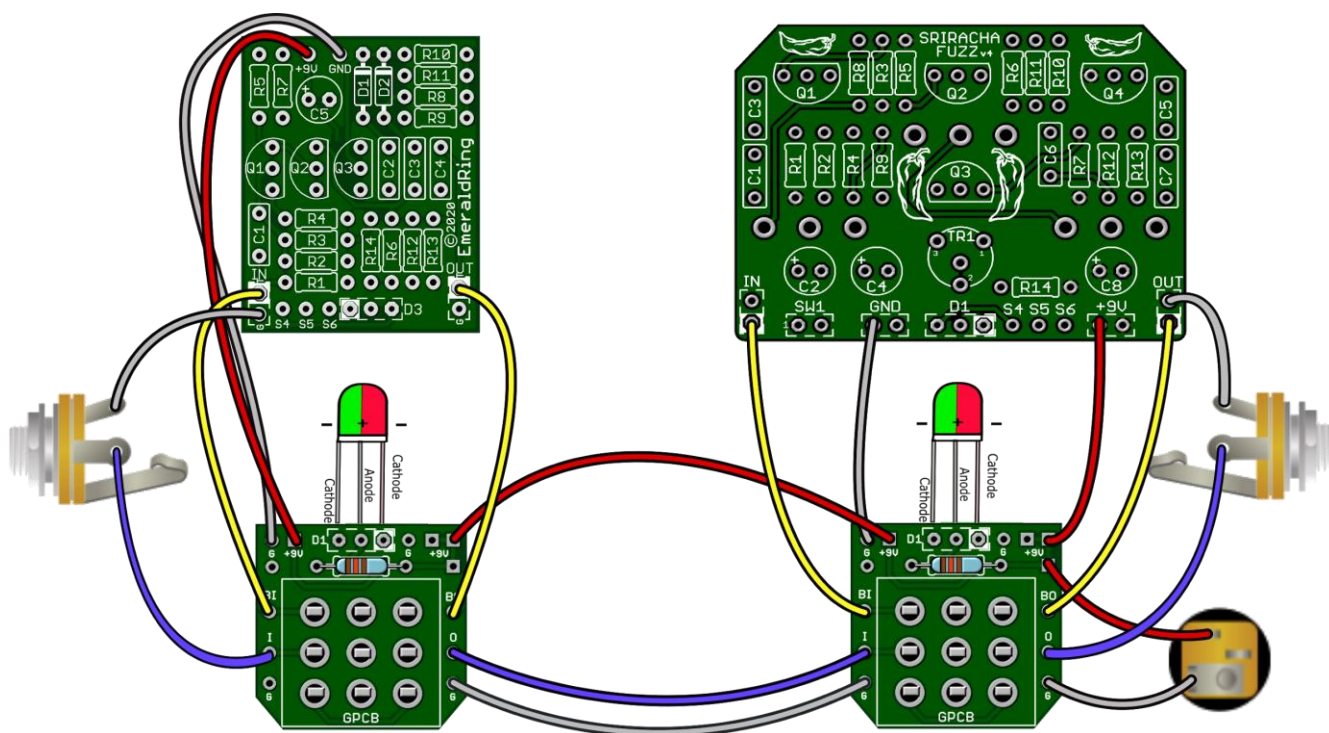


**Note:** If wiring the LED to our 3PDT board no need to connect S4, S5 & S6 or populate D1 or R14 (CLR) on the main board since you are wiring your LED directly to our board.

**Direct Online Link:** [3PDT Wiring Board Build Document](#)

**Populated board example:** Always use sockets and only solder pots while they are in the enclosure holes so you do not have to bend the leads adding stress to make them fit. We have included dual power and ground pads for easy combo building. This is a GuitarPCB special feature.

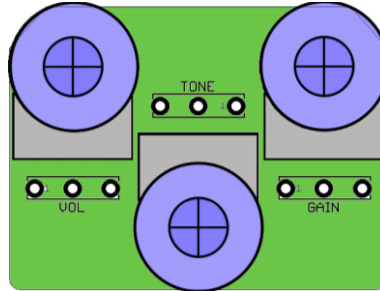
**Add an Emerald Ring Octave up and get some amazing tones not unlike Hendrix to more modern sounds.**





Be sure your In/Out Jack wiring is correct. A Stereo Jack (for battery use only) has a RING lug which is used to connect to the battery ground. If you do not intend to use a battery there is no need for a Stereo Jack. If using Stereo then only use the Tip and Sleeve lugs.

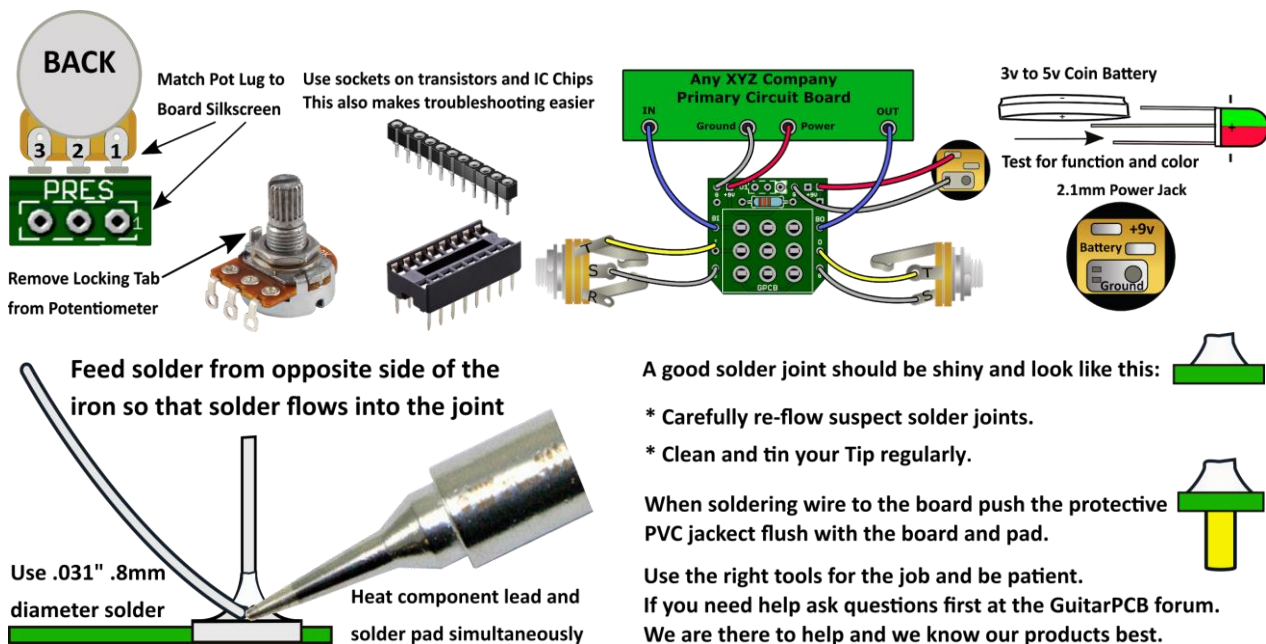
Drill Template: Drill at your own risk. Print at 300 resolution.



**Drill Tips:** Measure your components before selecting a drill bit. We recommend drilling the pot holes, mounting the pots in the enclosure, and then soldering the pots to the board. This approach should resolve the issue of the pots not fitting through the holes after soldering. We also recommend you make the holes for the pots a little larger than the threads in case you decide to remove the board and put it back in during the build, to avoid problems. Use this guide at your own risk. Make sure page scaling is turned off when you print this PDF, or the image above may be smaller than expected. Verify everything before drilling.

A [YouTube Demo](#) is available.

[Soldering Tutorial on Youtube](#)



Need a kit? Check out our authorized worldwide distributors:

USA – Check out [PedalPartsAndKits](#) for all your GuitarPCB kit needs in the USA.

Europe – [Das Musikding](#) Order either boards or kits direct from Europe.

[PedalPartsAustralia](#) - Order either boards or kits direct from Australia

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



This document, PCB Artwork and Schematic Artwork © GuitarPCB.com. Schematic, PCB and this document by Bruce R. Tonmann Wilkie1 and Barry. All copyrights, trademarks, and artworks remain the property of their owners. Distribution of this document is prohibited without written consent from GuitarPCB.com. GuitarPCB.com claims no rights or affiliation to those names or owners.