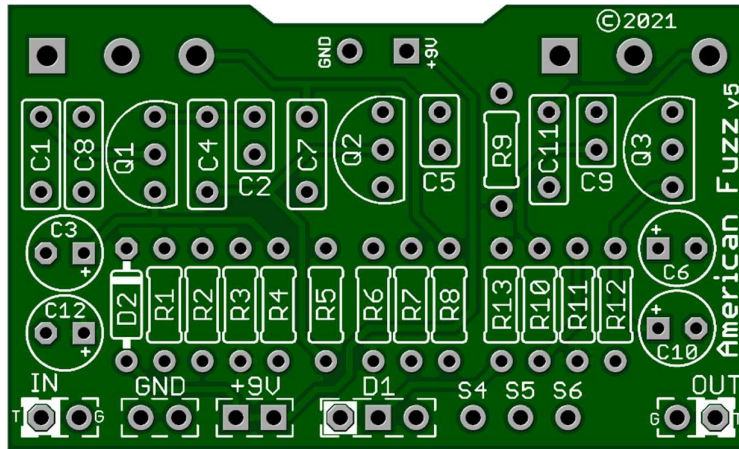


AMERICAN FUZZ v5 2021

The American Fuzz Pro is comparable to the tones of the classic Fuzzrite™ with an added gain stage. An excellent choice for those American 60's style Fuzz Tones and Guitar Solos. We also incorporated noise reduction features not found in similar circuits so you can really crank this one. In-A-Gadda-Da-Vida Tone!



Board Dimensions (W x H) 1.95" x 1.18"

Part	Value	Part	Value	Part	Value	Part	Value
R1	1M	R10	470k	C5	*100p	D1	Status LED
R2	470k	R11	47k	C6	10u	D2	1N5817
R3	470k	R12	4k7	C7	100n		
R4	1k	R13	1k8	C8	2n2	Q1	2N5088/2N2222
R5	470k			C9	*100p	Q2	2N5088/2N2222
R6	470k	C1	47n	C10	47u	Q3	2N5088/2N2222
R7	1k	C2	*100p	C11	100n		
R8	22k	C3	10u	C12	47u	TEXTURE	B500K
R9	47k	C4	47n			VOL	A500K

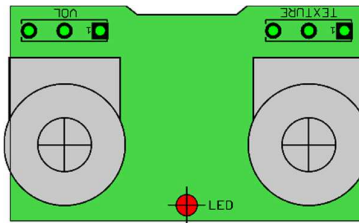
STATUS LED

*D1 is a Status LED that can be either a Bi-Color Common Anode or a Standard On/Off LED. (See Tip Sheet)

New in this GuitarPCB 2021 version release:

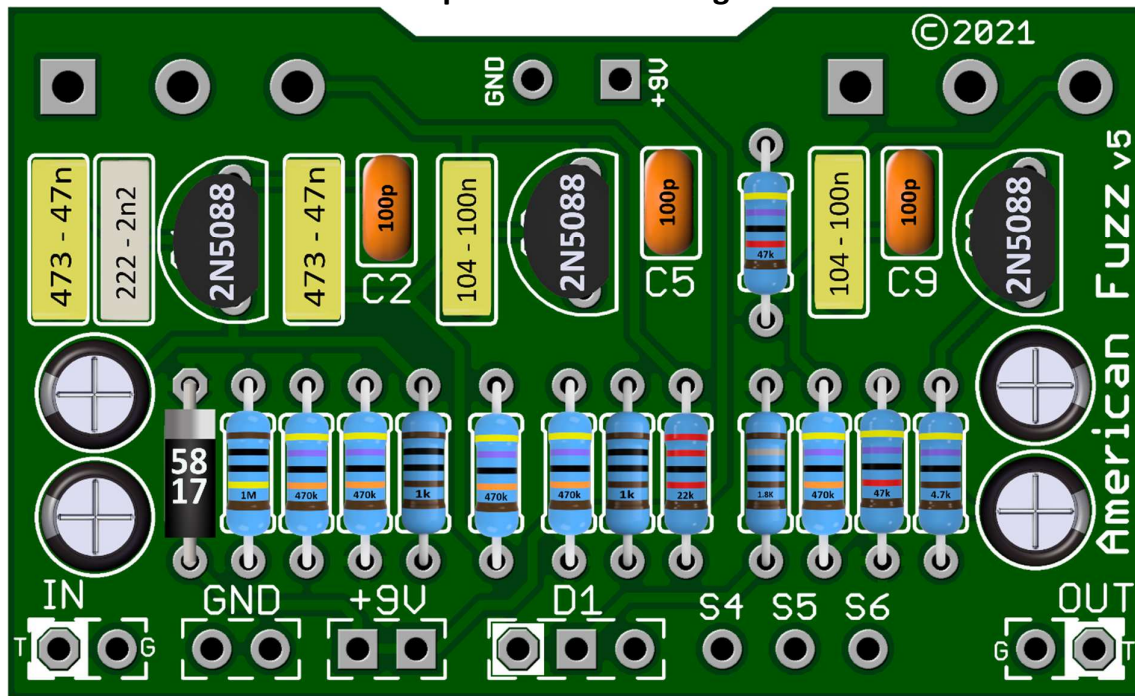
- Q1 – Q3 Use 2N5088 or 2N2222. Either produces a wonderful authentic tone. Both use the same orientation.
- Added 1N5817 circuit protection diode which is superior.
- Added all on-board potentiometers.
- Larger off-board wiring pads.
- Added extra +9v and Ground pads for “Combo Builds” allowing easy wiring options and connectivity.

Drill Template



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.

Populated Board Image



For more build guides and tutorials please visit the [Guides Page](#) at GuitarPCB.com

For specific build support please visit our dedicated [Support Forum](#)

[Soldering Tutorial on YouTube](#)

Need Kits - Check out our authorized worldwide distributors:

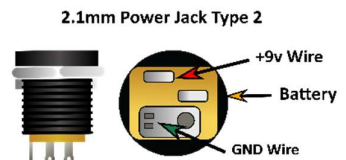
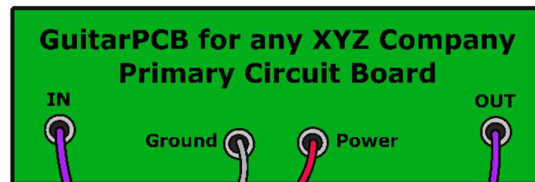
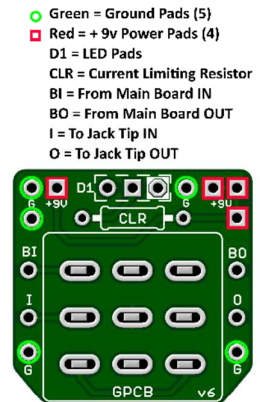
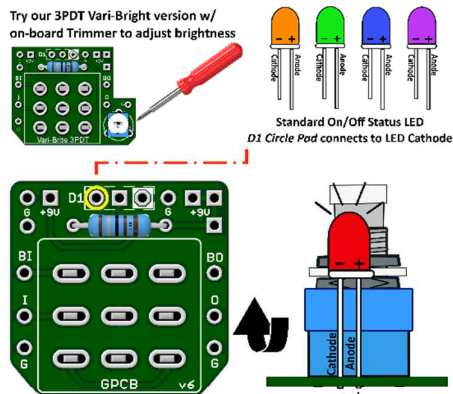
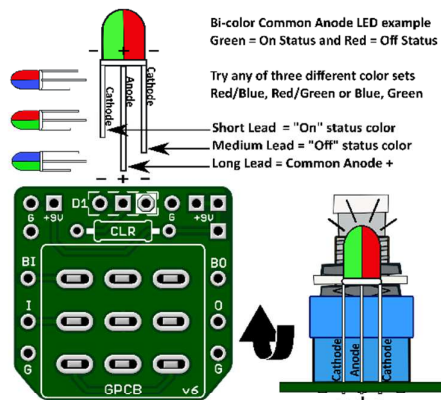
- **USA** – Check out [PedalPartsAndKits](#) for all your GuitarPCB kit needs in the USA.
- **Europe** – [Das Musikding](#) Order either boards or kits direct from Europe.
- [PedalPartsAustralia](#) - Order either boards or kits direct from Australia

COLOR	1st Band	2nd Band	3rd Band	Multiplier	Tolerance
BLACK	0	0	0	1Ω	
BROWN	1	1	1	10Ω	±1%
RED	2	2	2	100Ω	±2%
ORANGE	3	3	3	1KΩ	
YELLOW	4	4	4	10KΩ	
GREEN	5	5	5	100KΩ	±0.5%
BLUE	6	6	6	1MΩ	±0.25%
VIOLET	7	7	7	10MΩ	±0.10%
GREY	8	8	8	100MΩ	±0.05%
WHITE	9	9	9	1GΩ	
GOLD				0.1Ω	±5%
SILVER				0.01Ω	±10%

Band 1	Band 2	Band 3	Tolerance
4	7	0	1%
Multiplier			
1k	470k		



GuitarPCB Tip Sheet

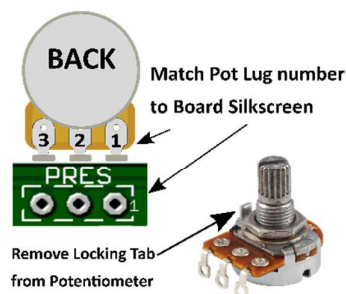


T = Tip
R = Ring
S = Sleeve

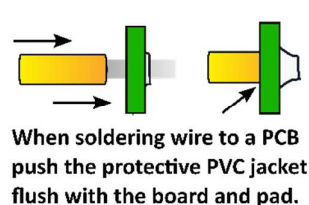
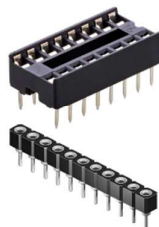


T = Tip
S = Sleeve

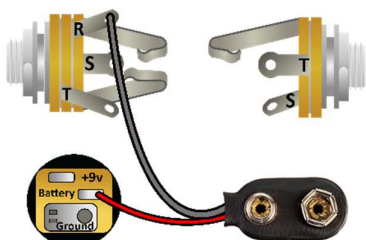
Multiple +9v and Ground Pads are convenient hookup points for additional circuits within the same enclosure. This also allows for diverse wiring schemes to suit individual needs.



Sockets make troubleshooting easier



Main Board IN/OUT Pads



Input/Output Jack Wiring

T = Tip | R = Ring | S = Sleeve

A Stereo Jack is only needed if using a Battery. Otherwise use a Mono Jack
Battery Strap RED wire is connected to Power Jack
Battery Strap Black wire is connected to RING (stereo jack)
If wiring an LED to our 3PDT Wiring Board then S4, S5 & S6 are not needed



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