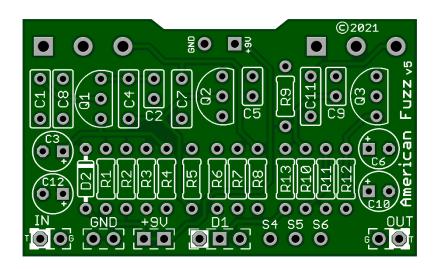
AMERICAN FUZZ v5 2021

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			
R1	1M			
R2	470k			
R3	470k			
R4	1k			
R5	470k			
R6	470k			
R7	1k			
R8	22k			
R9	47k			

Part	Value				
R10	470k				
R11	47k				
R12	4k7				
R13	1k8				
C1	47n				
C2	*100p				
С3	10u				
C4	47n				

Part	Value			
C 5	*100p			
C6	10u			
С7	100n			
C8	2n2			
С9	*100p			
C10	47u			
C11	100n			
C12	47u			

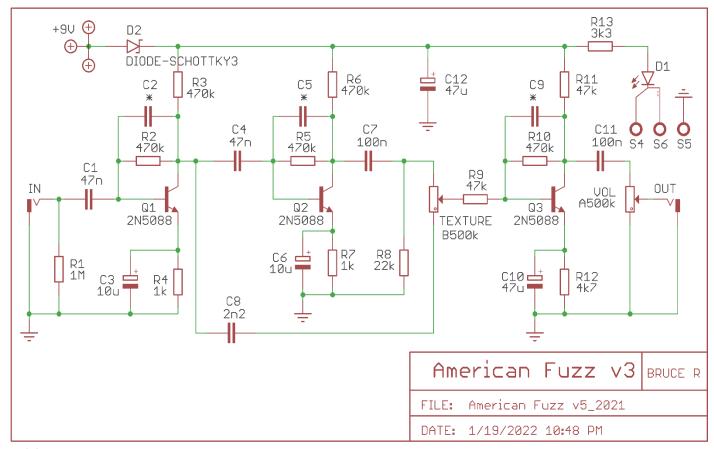
Part	Value			
D1	Status LED			
D2	1N5817			
Q1	2N5088			
Q2	2N5088			
Q3	2N5088			
TEXTURE	B500K			
VOL	A500K			

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:

- 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.

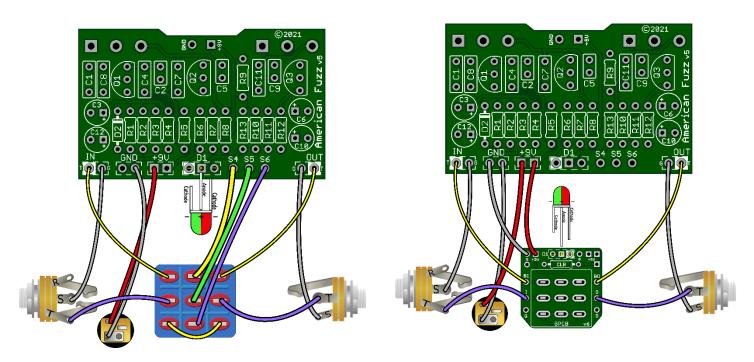


Build Notes:

Q1 through Q3: Kits may include 2N5088, 2N2222 or similar. Experiment and make it your own. Be sure to confirm pinout with the Datasheet. The board silkscreen assumes the pinout is identical to the 2N5088.

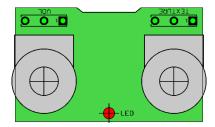
C2, C5 and C9 reduce hiss at the transistor stages. Suggested values are 100pF – 220pF; which will not affect the high frequency guitar content of the signal. The higher the value the more frequencies will be removed.

Wiring Diagram

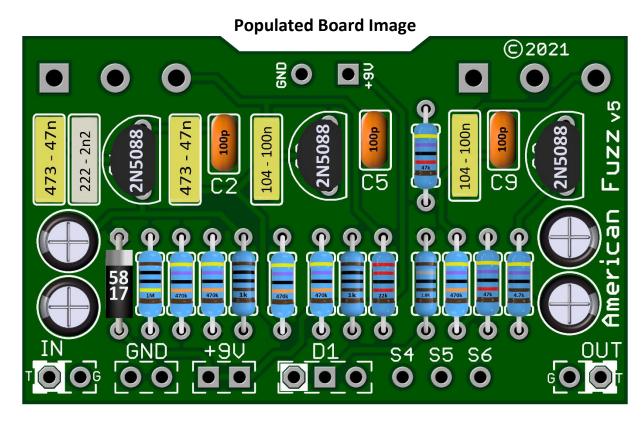


Build Notes: If you are using our 3PDT board, you should omit wires and parts from S4, S5 & S6, D1 and R13 (CLR). The CLR and LED will be populated on the 3PDT board instead.

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. <u>Verify everything before drilling</u>.



For more build guides and tutorials please visit the <u>Guides Page</u> at GuitarPCB.com For specific build support please visit our dedicated <u>Support Forum</u> Soldering Tutorial on YouTube

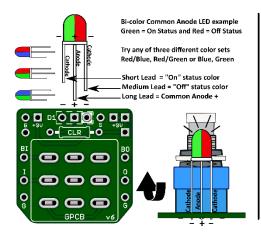
Need Kits - Check out our authorized worldwide distributors:

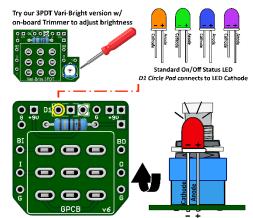
- USA Check out <u>PedalPartsAndKits</u> for all your GuitarPCB kit needs in the USA.
- Europe <u>Das Musikding</u> Order either boards or kits direct from Europe.
- PedalPartsAustralia Order either boards or kits direct from Australia

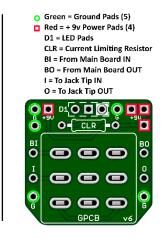
COLOR	1st Band	2nd Band	3rd Band	Multiplier	Tolerance	Band 1 Band 3 Tolerance
BLACK	0	0	0	1Ω		1
BROWN	1	1	1	10Ω	±1%	
RED	2	2	2	100Ω	±2%	470k
ORANGE	3	3	3	1ΚΩ		47
YELLOW	4	4	4	10ΚΩ		
GREEN	5	5	5	100ΚΩ	±0.5%	 Band 2 Multiplier
BLUE	6	6	6	1ΜΩ	±0.25%	Danu Z Ividitipnei
VIOLET	7	7	7	10ΜΩ	±0.10%	
GREY	8	8	8	100ΜΩ	±0.05%	
WHITE	9	9	9	1GΩ		4 7 0 x ^및 근 왕
GOLD				0.1Ω	±5%	4 4
SILVER				0.01Ω	±10%	

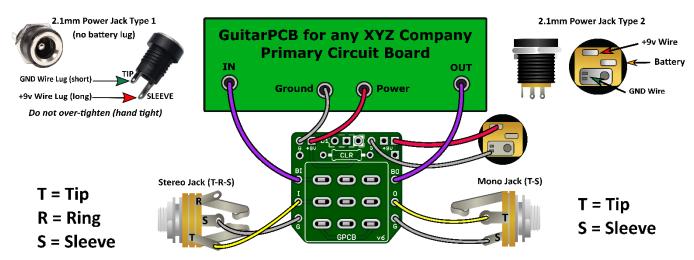


GuitarPCB Tip Sheet

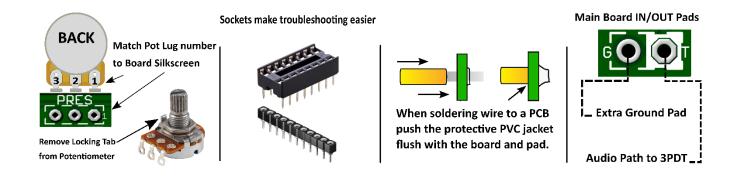


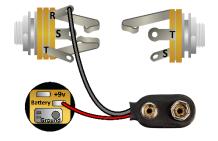






Multiple +9v and Ground Pads are convenient hookup points for additional circuits within the same enclosure. This also allows for diverse wiring schemes to suit indiviual needs.





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

