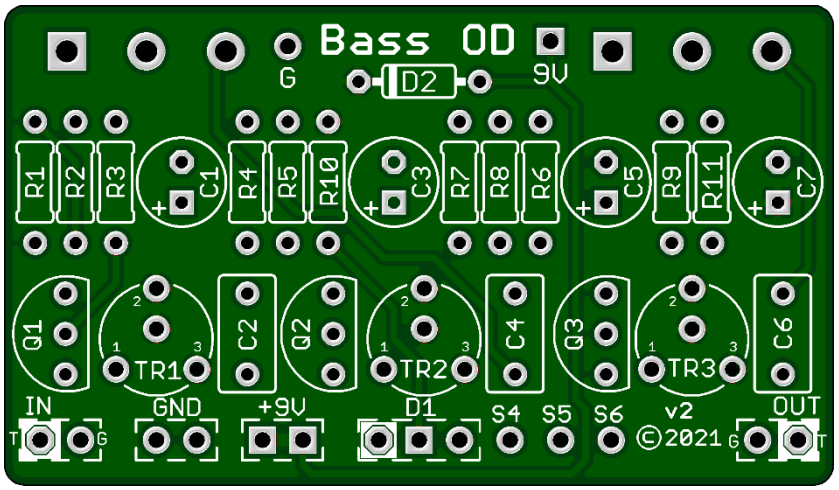
Bass OD v2 2021

Bassists need dirt too! Replicate an SVT, imitate Chris Squire, Jack Bruce, Grand Funk, or in between! No one, until now, has offered something that works, with all the full, rich bottom-end that you need, while dialing up big vintage tube tones, bright modern slap sounds, gnarly distortions, or chiming Entwistle tone.



Board Dimensions (W x H) 2.05” x 1.19”

Part	Value
R1	33k
R2	1M
R3	1k
R4	33k
R5	1M
R6	1k
R7	33k
R8	1M
R9	1k

Part	Value
R10	1k8
R11	1k
C1	22u
C2	220n
C3	22u
C4	220n
C5	22u
C6	220n

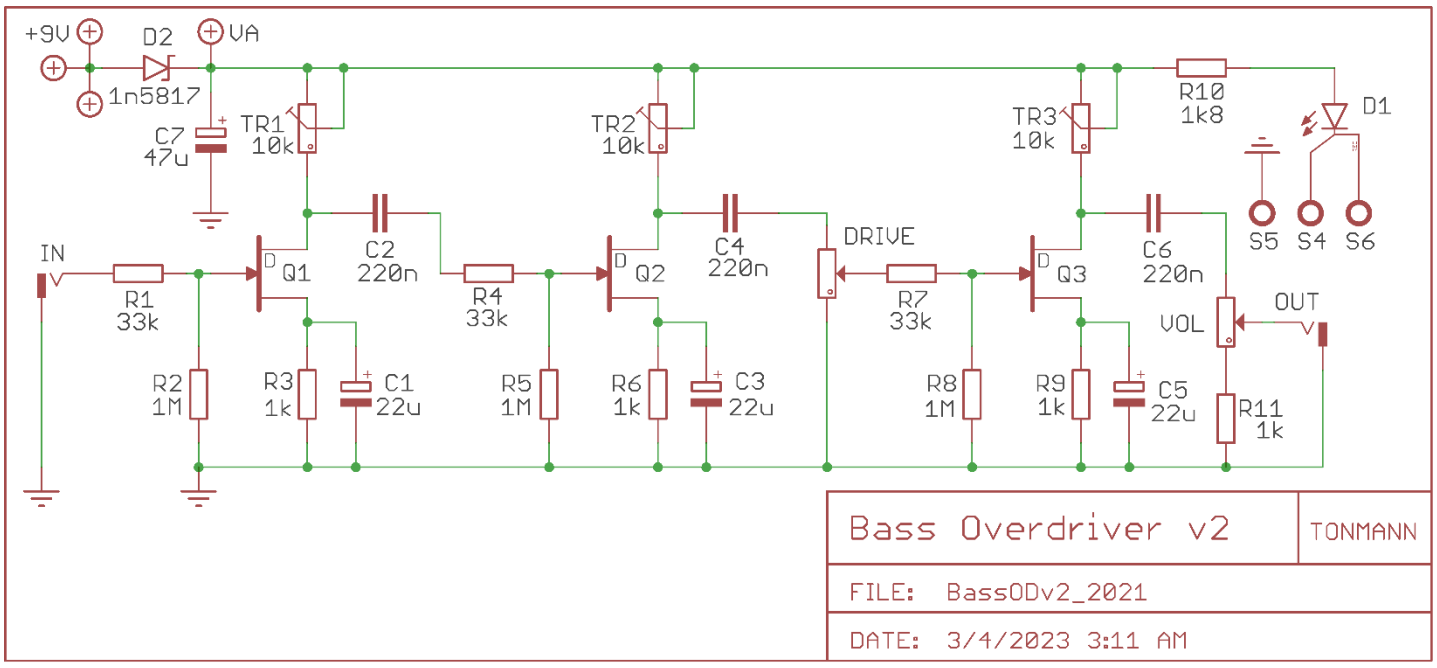
Part	Value
C7	47u
D1	Status LED
D2	1n5817
VOL	A100k
DRIVE	B100k
Q1 - Q3	J113
TR1 - TR3	10k

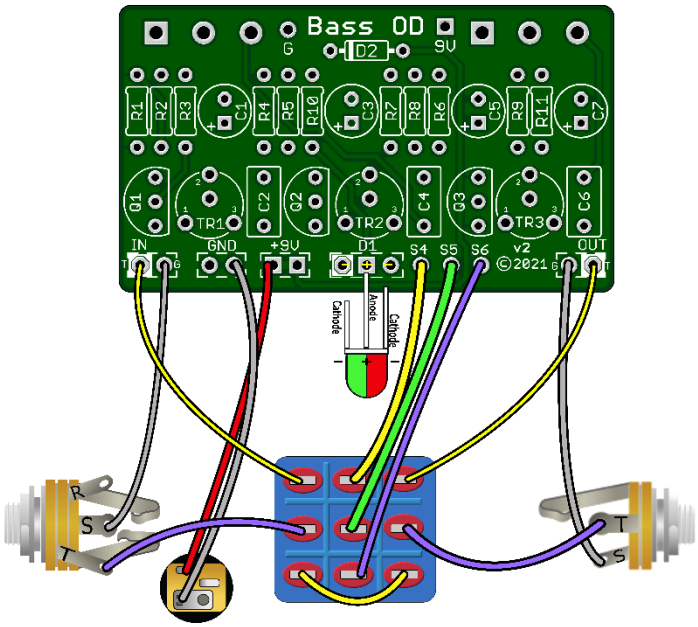
STATUS LED

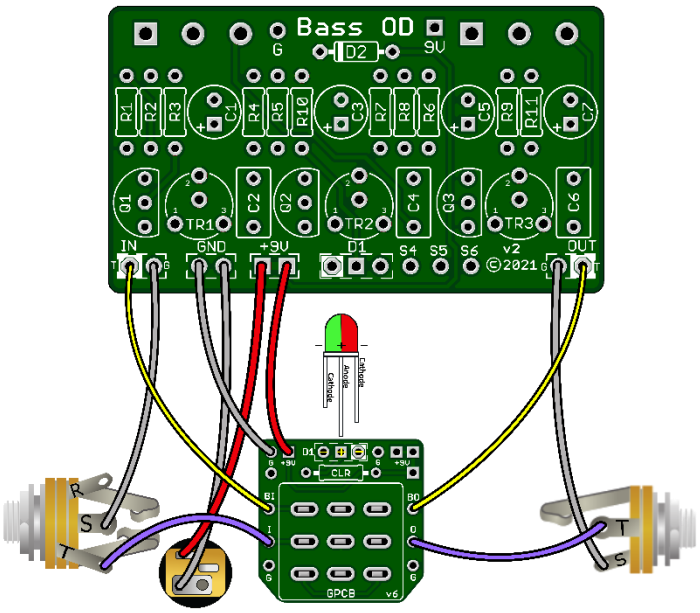
***D1** is a Status LED that can be either a Bi-Color Common Anode or a Standard On/Off LED. (See Tip Sheet)

BUILD NOTES

TR1 – TR3 are used to set the bias voltages at the drains of Q1 – Q3 respectively to 5-6V.
Q1 – Q3 may also be MPF102, 2N5457 or J201. Feel free to experiment.

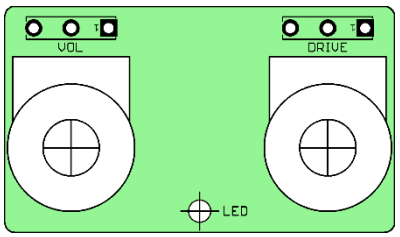






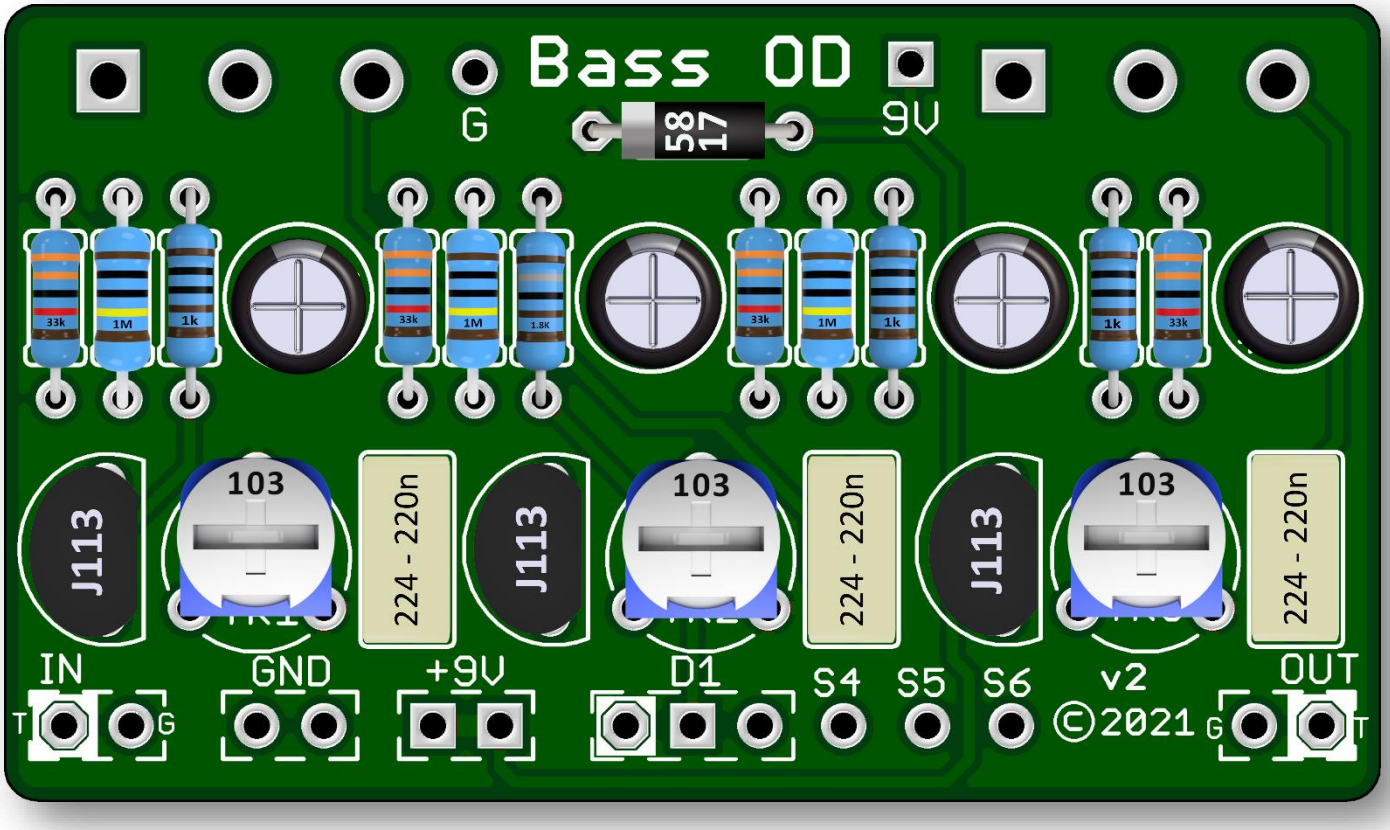
Build Notes: If you are using our 3PDT board, you should omit wires and parts from S4, S5 & S6, D1 and R10 (CLR). The CLR and LED will be populated on the 3PDT board instead.

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. Verify everything before drilling.

Populated board for troubleshooting purposes.



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](#)

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- **Europe – [Das Musikding](#) Order either boards or kits direct from Europe.**
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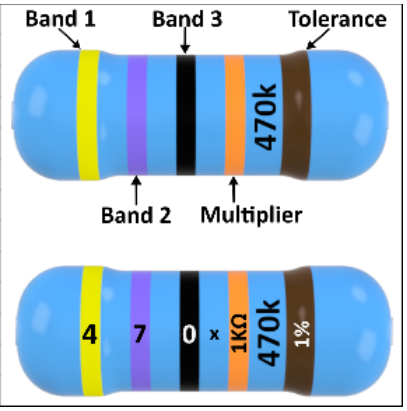
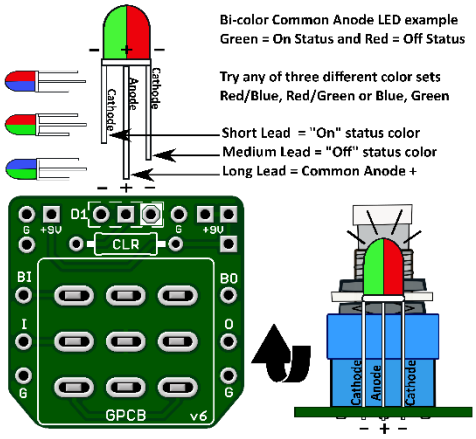
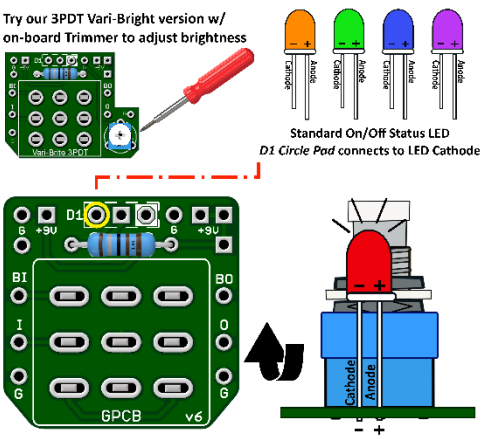
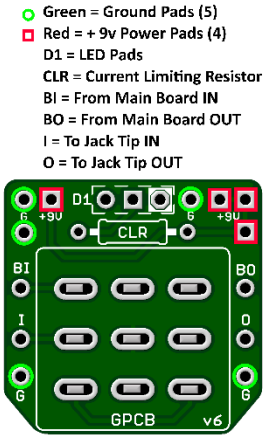
COLOR	1st Band	2nd Band	3rd Band	Multiplier	Tolerance
BLACK	0	0	0	1Ω	
BROWN	1	1	1	10Ω	±1%
RED	2	2	2	100Ω	±2%
ORANGE	3	3	3	1KΩ	
YELLOW	4	4	4	10KΩ	
GREEN	5	5	5	100KΩ	±0.5%
BLUE	6	6	6	1MΩ	±0.25%
VIOLET	7	7	7	10MΩ	±0.10%
GREY	8	8	8	100MΩ	±0.05%
WHITE	9	9	9	1GΩ	
GOLD				0.1Ω	±5%
SILVER				0.01Ω	±10%

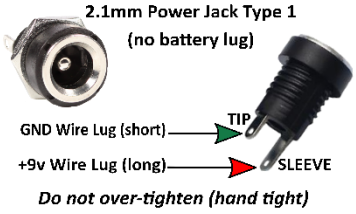


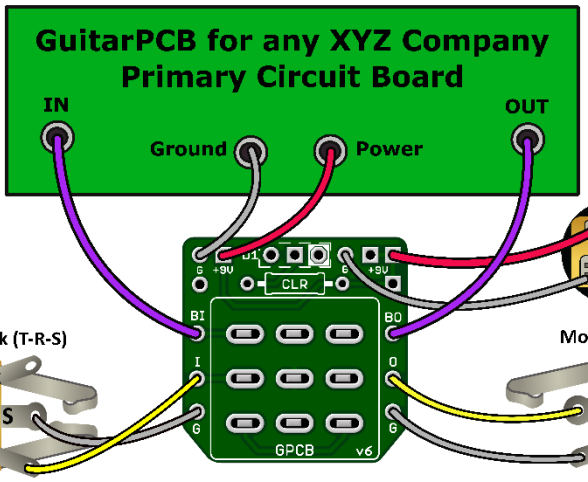
GuitarPCB Tip Sheet

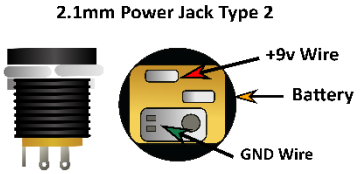












T = Tip
R = Ring
S = Sleeve

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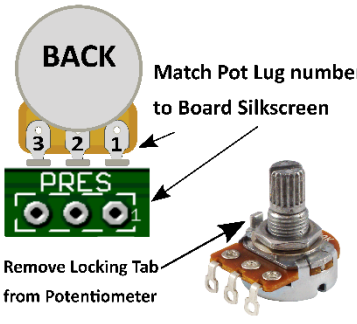
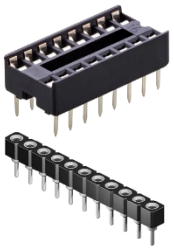
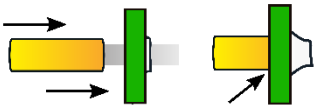
Multiple +9v and Ground Pads are convenient hookup points for additional circuits within the same enclosure. This also allows for diverse wiring schemes to suit indiviual needs.



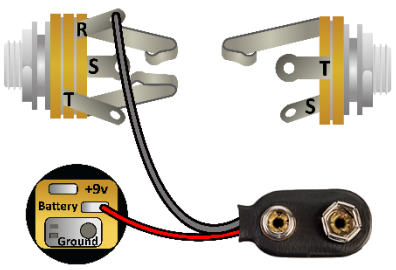
Sockets make troubleshooting easier





When soldering wire to a PCB push the protective PVC jacket flush with the board and pad.

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