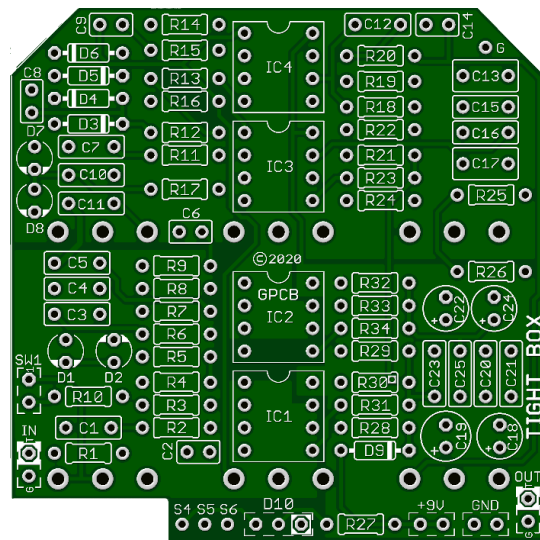


# TIGHT BOX by GuitarPCB

Based on a Plexi amp that is designed with more flexibility. Classic Plexi and JCM800 tones are at your command. Add a 3-band EQ for versatile tone shaping as well as a Presence control. Finally, there is a switch to adjust Gain structure.

This is a harmonically rich overdrive that allows you to summon all your favorite Marshall style tones. May the Rock Godz be with you.



Dimensions: 2.35" x 2.35" with cutout for SW1

Part	Value
R1	1M
R2	330k
R3	10k
R4	22k
R5	39k
R6	22k
R7	10k
R8	22k
R9	22k
R10	470k
R11	22k
R12	22k
R13	220k
R14	27k
R15	10k
R16	27k
R17	2k2

Part	Value
R18	33k
R19	33k
R20	47k
R21	470k
R22	22k
R23	2k2
R24	2k2
R25	100k
R26	3k3
R27	1k8
R28	10R
R29	20k
R30	22k
R31	2k2
R32	20k
R33	22k
R34	2k2

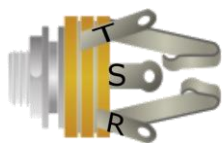
Part	Value
C1	22n
C2	47p
C3	10n
C4	100n
C5	1n
C6	47p
C7	47n
C8	220p
C9	220p
C10	10n
C11	4n7
C12	22n
C13	220n
C14	470p
C15	10n
C16	2n2
C17	220n

Part	Value
C18	22u
C19	47u
C20	100n
C21	100n
C22	22u
C23	100n
C24	22u
C25	100n
VOL	A50k
GAIN	A1M
PRES	C10k
TREB	B100k
MID	A100k
BASS	C100k
SW1	SPST

Part	Value
IC1	TL072
IC2	TL072
IC3	TL072
IC4	TL072
D1	3mm RED
D2	3mm RED
D3	1n4148
D4	1n4148
D5	1n4148
D6	1n4148
D7	3mm RED
D8	3mm RED
D9	1n5817
D10	Status LED see text



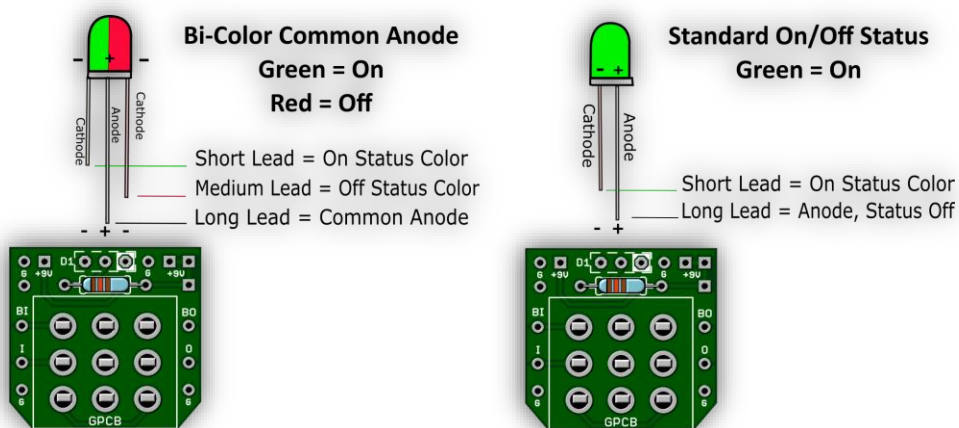
**Build Notes:** If needed you can substitute the C10K and C100K for Linear potentiometers. You may also try a A100K for Volume. Feel free to also try other Dual Opamp IC chips like OPA2134PA or 4558.



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 not using a battery there is no need for a Stereo Jack. If using Stereo then only use the Tip and Sleeve lugs. S4, S5 & S6 is only needed when the LED is wired to the Main Board.

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.

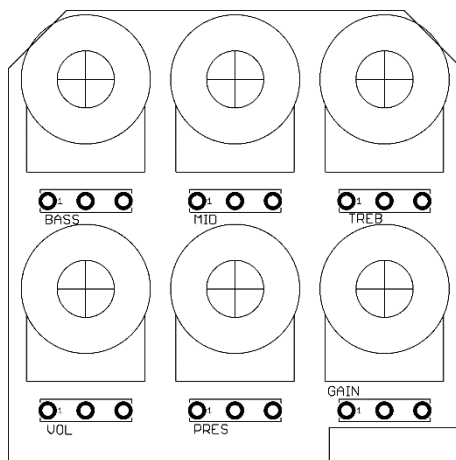
### STATUS LED



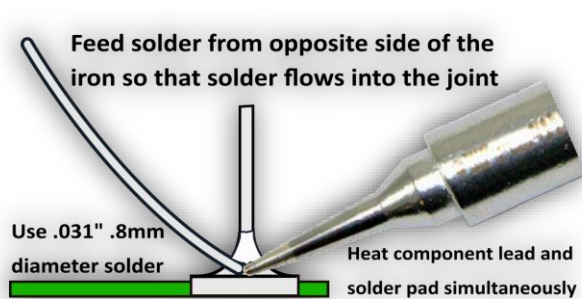
**Note:** If wiring the LED to our 3PDT board no need to connect S4, S5 & S6 or populate D2 or R28 (CLR) on the main board since you are wiring your LED directly to our board.

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

### 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.



A good solder joint should be shiny and look like this:



\* Carefully re-flow suspect solder joints.

\* Clean and tin your Tip regularly.

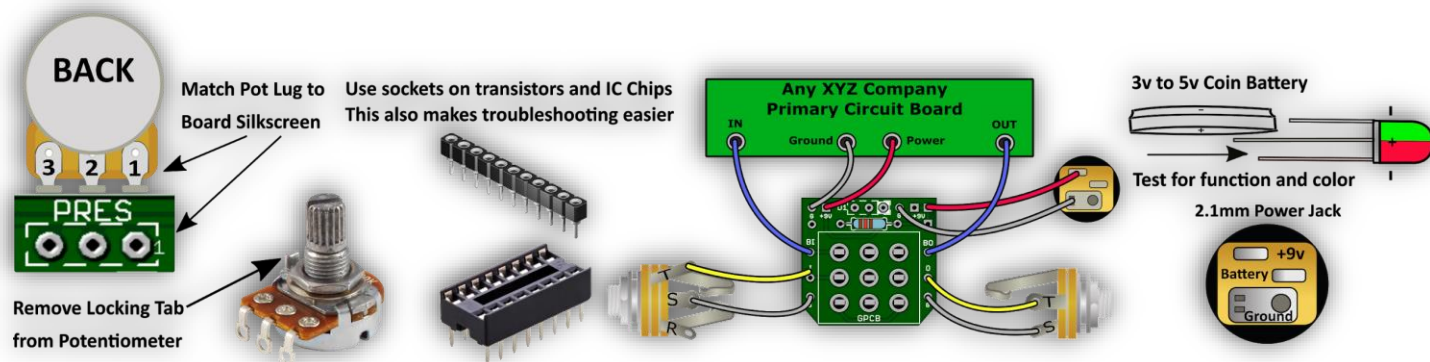
When soldering wire to the board push the protective PVC jacket flush with the board and pad.



Use the right tools for the job and be patient.

If you need help ask questions first at the GuitarPCB forum.

We are there to help and we know our products best.



## Need a kit?

USA – Check out [PedalPartsAndKits](http://PedalPartsAndKits.com) for all your needs.

Europe – [Das Musikding](http://DasMusikding.com) carries both boards and kits as a service to our Europeans friends.

Australia - [PedalPartsAustralia.com](http://PedalPartsAustralia.com) carries GuitarPCB Boards and Kits direct.

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



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