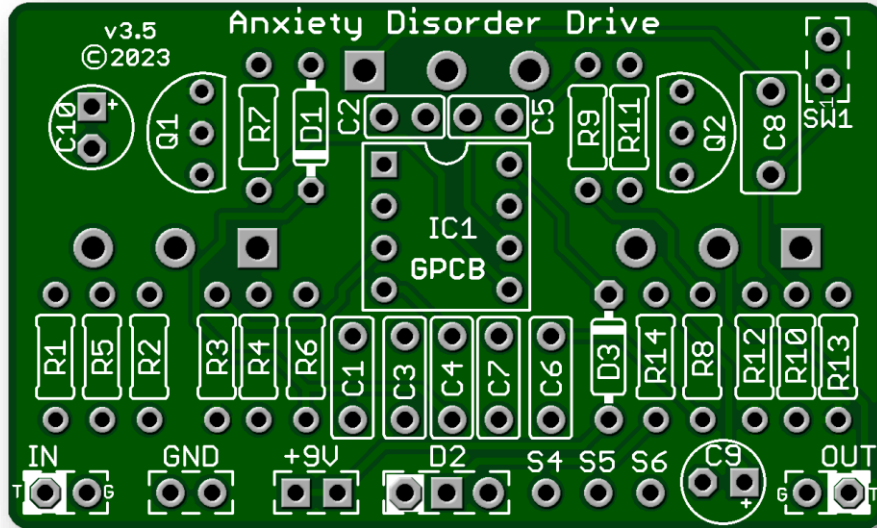


# Anxiety Disorder Drive v3.5

Based on the drive with an “obsessive-compulsive disorder” this one will pick you up with its unique clipping arrangement using Mosfet technology. This circuit will yield the sought-after traditional tone of the original v1 or allow you to Mod in some brighter tones if you like.



Board Dimensions (W x H) 2.10" x 1.26".

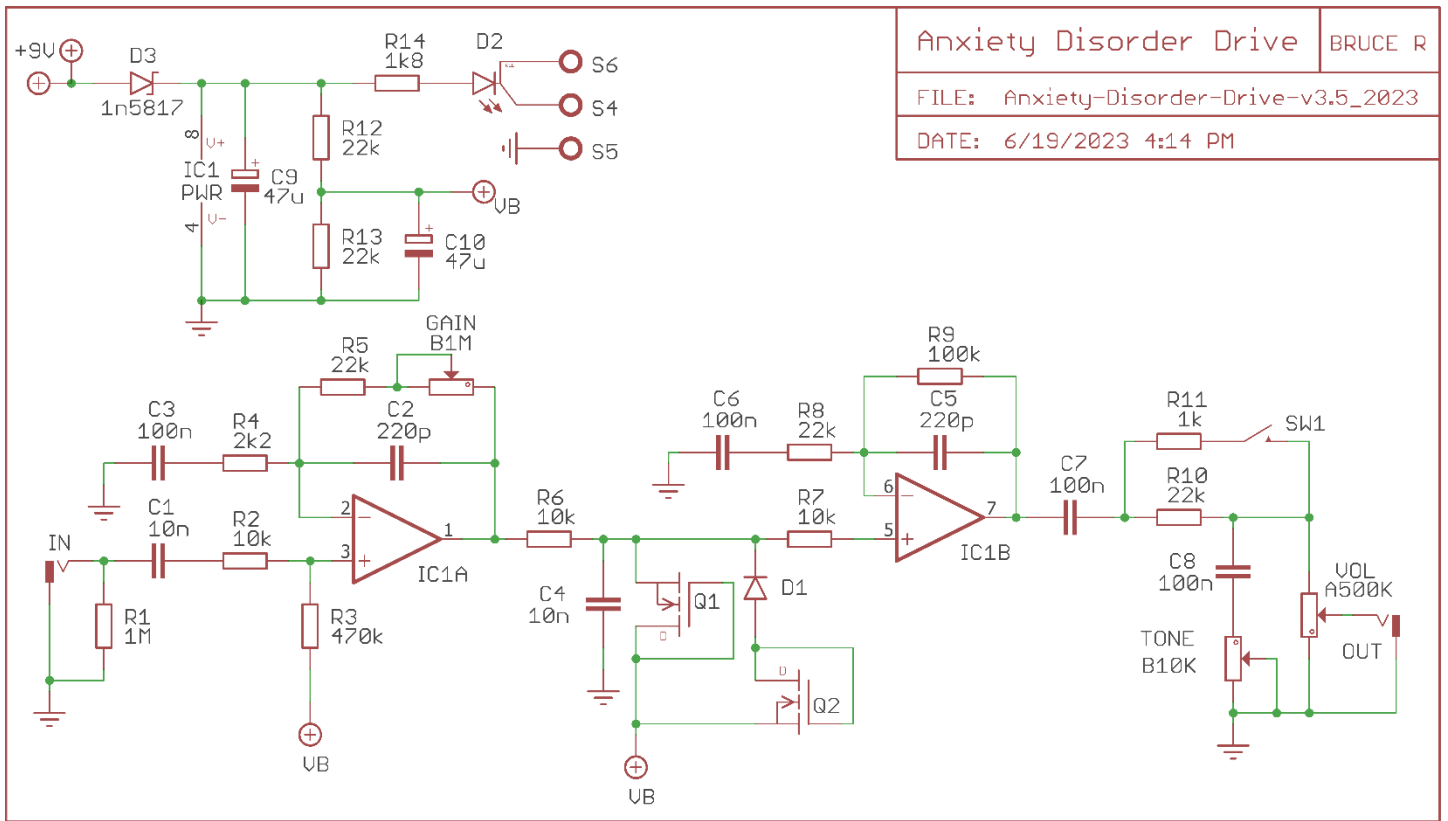
R1	1M	C1	10n	IC1	TL072
R2	10k	C2	220p		
R3	470k	C3	100n	Q1	2N7000
R4	2k2	C4	10n	Q2	2N7000
R5	22k	C5	220p		
R6	10k	C6	100n	D1	1N34A
R7	10k	C7	100n	D2	CA Bi-color LED
R8	22k	C8	100n	D3	1N5817
R9	100k	C9	47μ		
R10	22k	C10	47μ	GAIN	B1M
R11	1k			TONE	B10k
R12	22k			VOLUME	A500k
R13	22k				
*R14	1k8 to 4k7			SW1	SPST or SPDT

New in v3.5: Updated pads and incorporated the 1N5817 circuit protection diode scheme.

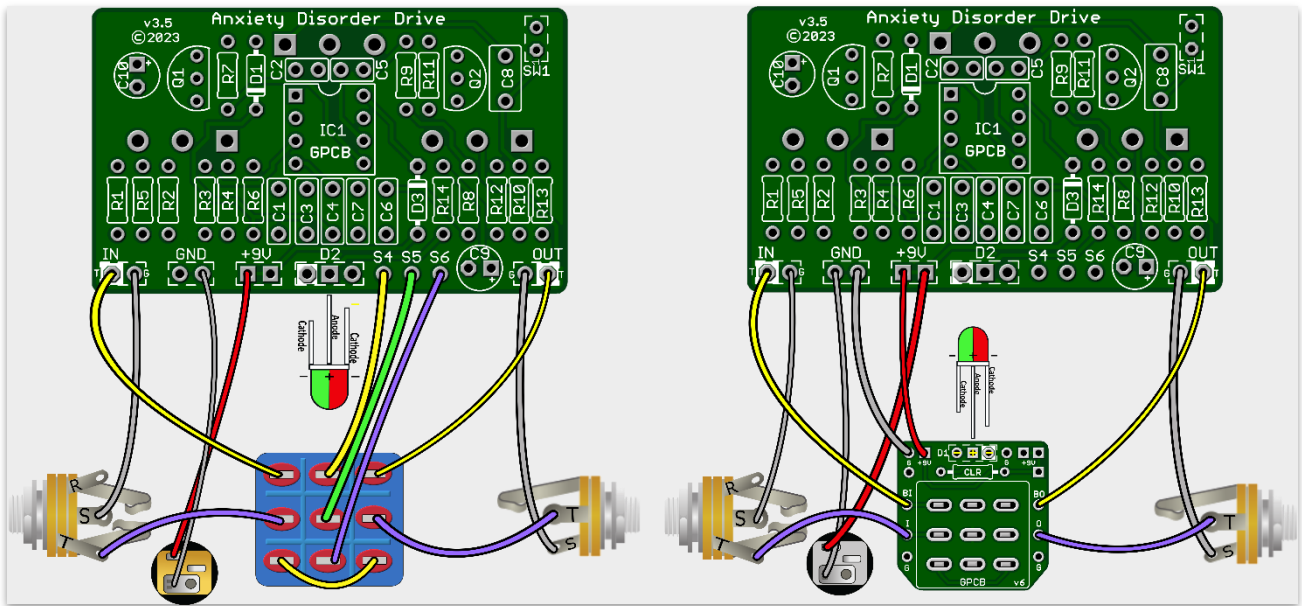
Mod: If you would like an even brighter tone socket and decrease the value of C4, down to 1nF should be enough.

\*R14 is the current limiting resistor for the Status LED. The lower the value the brighter the LED.

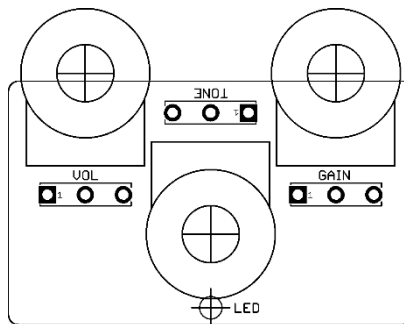
SW1 switch can be an SPDT or SPDT. If using SPDT then simply use either the outer lug and the center lug. SW1 acts as a Boost which can be modified to preference. Try R10-33k / R11-10k for less boost effect.



## WIRING



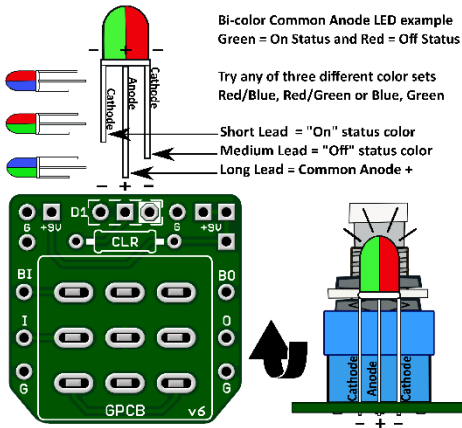
Be sure your In/Out Jack wiring is correct. A Stereo Jack (for battery use only) has a RING lug which is used to connect to the battery ground. If you do not intend to use a battery there is no need for a Stereo Jack. If using Stereo then only use the Tip and Sleeve lugs. S4, S5 & S6 is only needed when the LED is wired to the Main Board. Note: If wiring the LED to our 3PDT board there is no need to connect S4, S5 & S6 or populate D2 and \*R14 (CLR) on the main board since you are wiring the LED & CLR (current limiting resistor) directly to our wiring board instead.



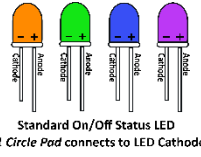
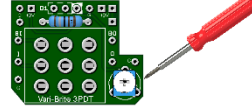
Drilling Template



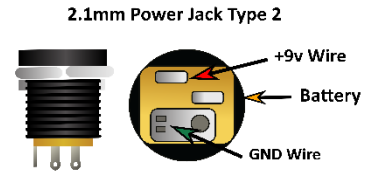
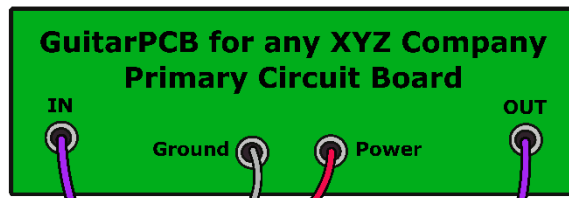
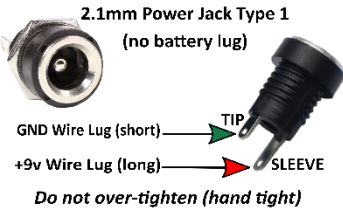
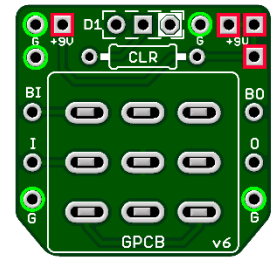
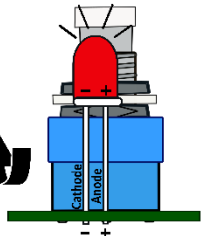
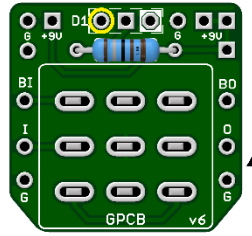
# GuitarPCB Tip Sheet



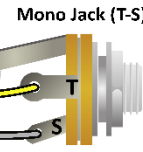
Try our 3PDT Vari-Bright version w/  
on-board Trimmer to adjust brightness



- Green = Ground Pads (5)
- Red = + 9v Power Pads (4)
- D1 = LED Pads
- CLR = Current Limiting Resistor
- BI = From Main Board IN
- BO = From Main Board OUT
- I = To Jack Tip IN
- O = To Jack Tip OUT

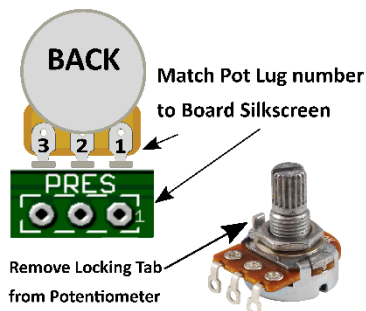


T = Tip  
R = Ring  
S = Sleeve

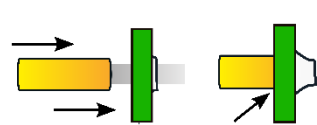
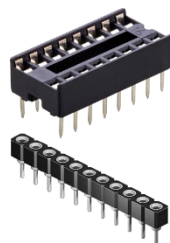


T = Tip  
S = Sleeve

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.

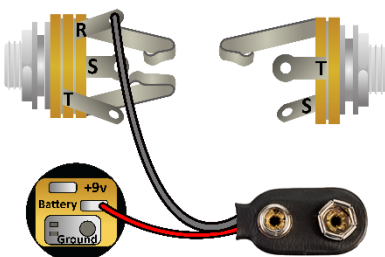


Sockets make troubleshooting easier



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



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