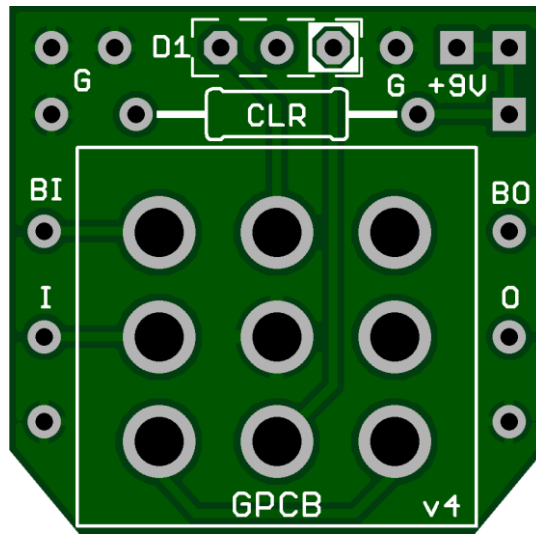


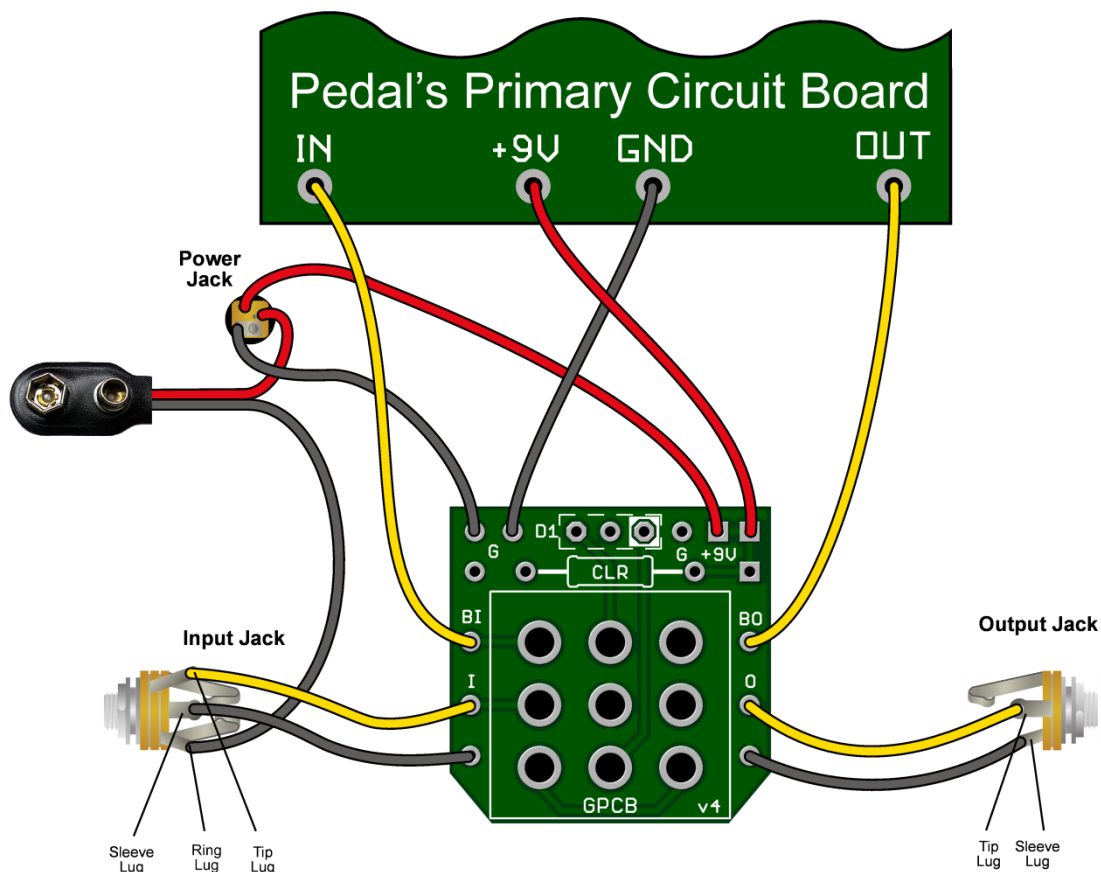
# 3PDT WIRING BOARD v4 - Common Anode LED

Board Dimensions (W x H) 1.00" x 0.85" ca. 27.0 mm x 24mm.



The Board is labeled as follows:

- G** Ground pads, seven (yellow) pads
- 9V** +9V supply, two (magenta) pads
- BI** Wiring to the Circuit Board Input
- I** Wiring from the Input Jack
- O** Wiring to the Output Jack
- BO** Wiring from the Circuit Board Output



The value of the CLR (Current Limiting Resistor) is not critical. A value of 1k8 to 3k3 is suggested as this offers a good trade-off between LED brightness and current drawn. Choose values between 2k (brighter, more current) and 4k7 (dimmer, less current) according to taste.

**\*Note: If using a Standard LED place the Anode Leg in the center hole of D1**

**Then place the Cathode Leg in the hole to the left of it. (Not the White one)**

**The pin-out for the Bi-Color LED is as follows:**

1 <sup>st</sup> Colour Cathode	90 degree bend in the lead
Common Anode	Middle lead
2 <sup>nd</sup> Colour Cathode	45 degree bend in the lead

Using a **Red / Green LED** and wired as per the wiring diagram, the LED will light red showing that power is applied to the circuit board and the switch is in bypass mode, it will light green when the switch is in effects mode.

**GuitarPCB sells a common anode Bi-Colour Red / Green LED or Red/Blue in the PCB Shop.** Should you wish to use a standard LED instead, the anode is soldered to the left hand pad and the cathode to the middle pad.

## Wiring

So long as the 3PDT Wiring board is grounded at some point, any of the ground pads may be used. One of the 9V pads is connected to the +ve power supply while the other pad can be used to run power to the circuit board (or connect the circuit board +9V pad directly to the power supply).

## Add-On Build Guides for all GuitarPCB Builds

### [Soldering Tutorial on Youtube](#)

[Crash Course \[Basic\]](#) - Guide #1 for all things GuitarPCB.

[Crash Course \[Level 2\]](#) - Guide #2 for all things GuitarPCB.

[Tips, Tricks and Tutorials](#) - contains many innovative pedal building tips and ideas.

### [Additional Details on LED and Footswitch Wiring](#)

\*How to [Build a Combo Pedal Guide](#) by Playsforfun

**Build Documents and Demos may be viewed in the [PCB Shop](#) without needing Free Membership.**



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