

# 3PDT-02

**FX TYPE:** Bypass

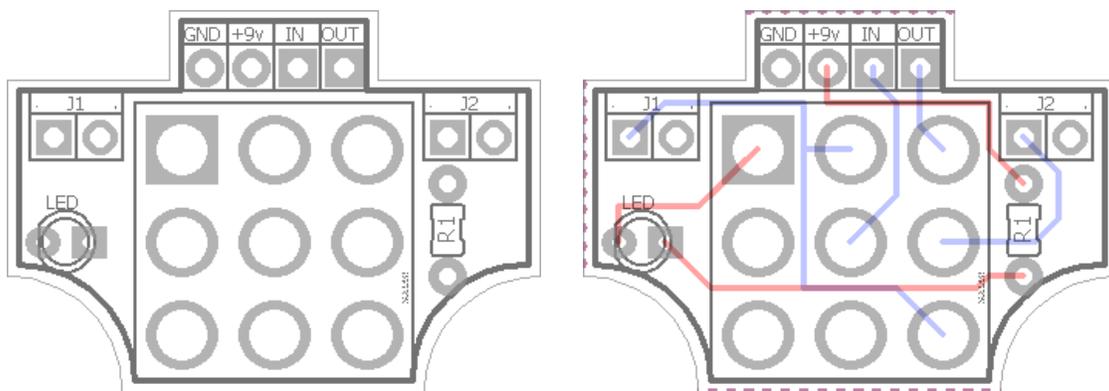
Enclosure Size: 1590A

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## Overview

The 3PDT-02 is a bypass PCB designed specifically for the madbeanpedals 1590A (Baby Board) projects, but can be used with almost any 1590A build.

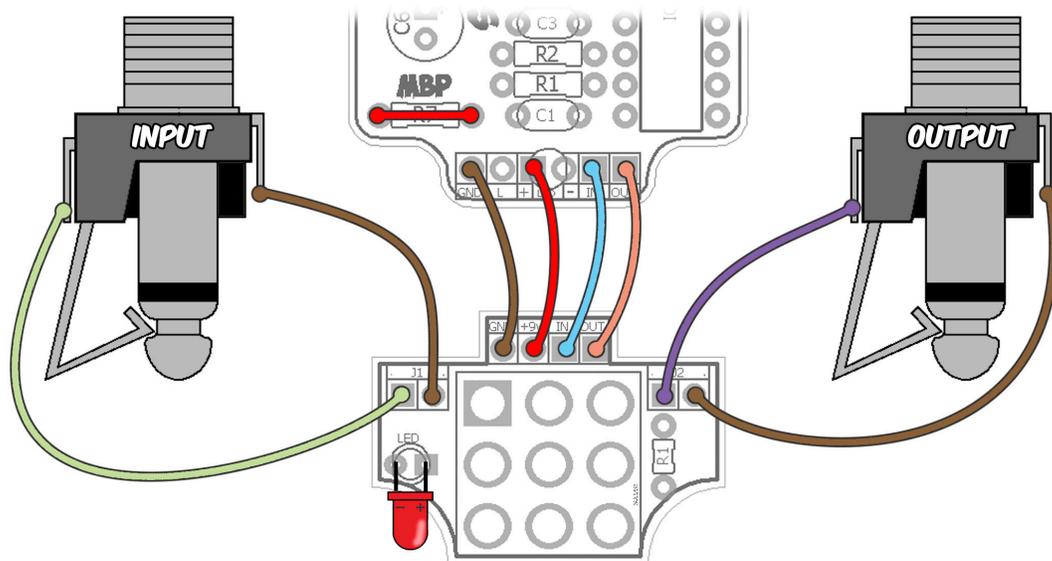


Part	Value	Type	Rating
R1	your choice	Metal / Carbon Film	1/8W
LED	any	3 or 5mm	
3PDT		Lug	

A typical resistor value for a bypass LED is 4k7. For high brightness LEDs, larger value are often used (10k, 22k, etc). It's entirely up to you how bright to make your LEDs!

**Terms of Use:** You are free to use purchased **3PDT-02** circuit boards for both DIY and small commercial operations. You may not offer **3PDT-02** PCBs for resale or as part of a "kit" in a commercial fashion. Peer to peer re-sale is fine, though.

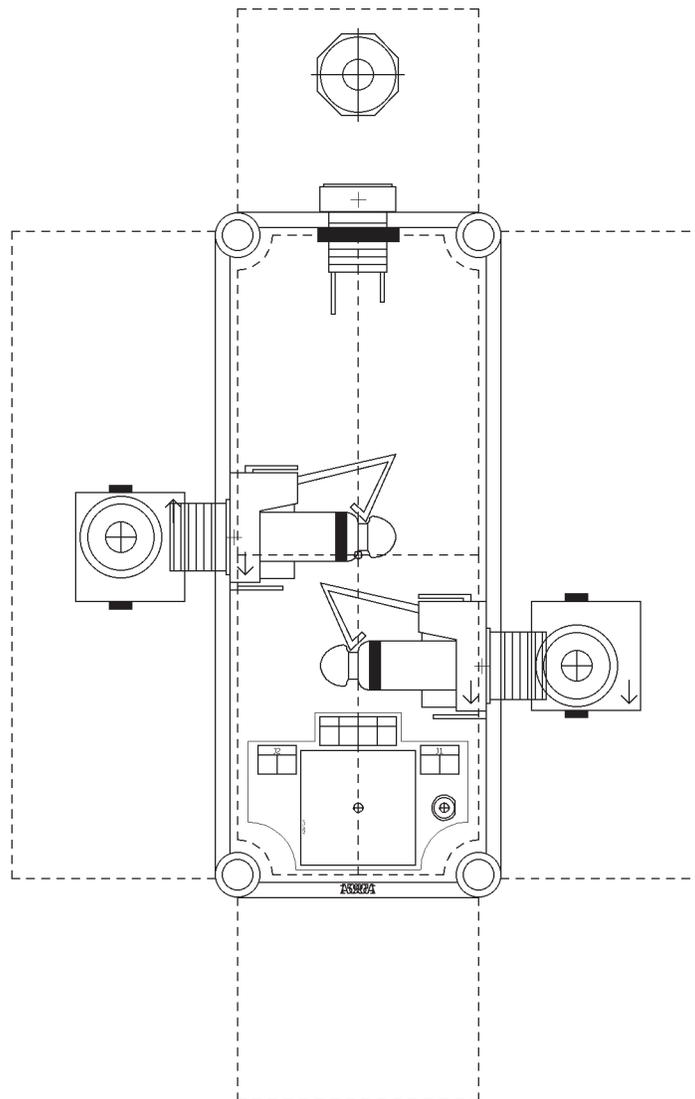
**Technical assistance** for your build(s) is available via the [madbeanpedals forum](http://madbeanpedals.com). Please go there rather than emailing me for assistance on builds. This is because (1) I'm not always available to respond via email in a timely and continuous manner, and (2) posting technical problems and solutions in the forum creates a record from which other members may benefit.



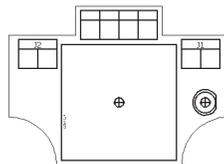
This diagram shows an example of wiring the 3PDT-02 with an mbp Baby Board, in this case the Snarkdoodle. On this PCB, R7 is the CLR for the on-board bypass LED. It is jumpered with the short red wire to let the long red wire pass 9v to the 3PDT-02 board. The “L” pad and the cathode pad on the Snarkdoodle are left unconnected.

Note you could just as easily install R7 and then jumper R1 on the 3PDT-02. It doesn't matter how you do it, as long as power gets to the bypass board to light up the LED!

**Note:** Drill Guides are approximate and may require tweaking depending on the types of jacks, switches and pots you use.



This template shows a typical layout for a 1590A using the 3PDT-02. It utilizes Lumberg style in/out jacks and a Thinline DC jack.



This shows the exact footprint of the 3PDT-02 PCB. The LED is 11.4mm from the center of the 3PDT.

