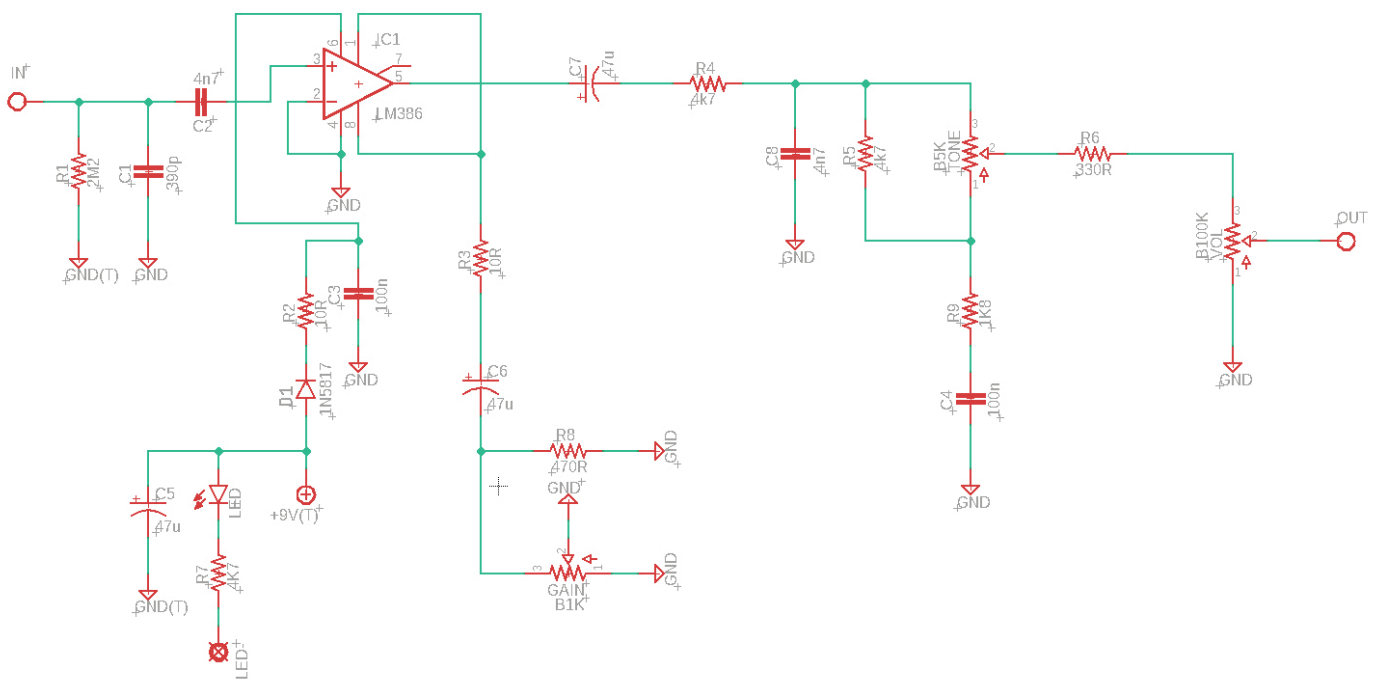
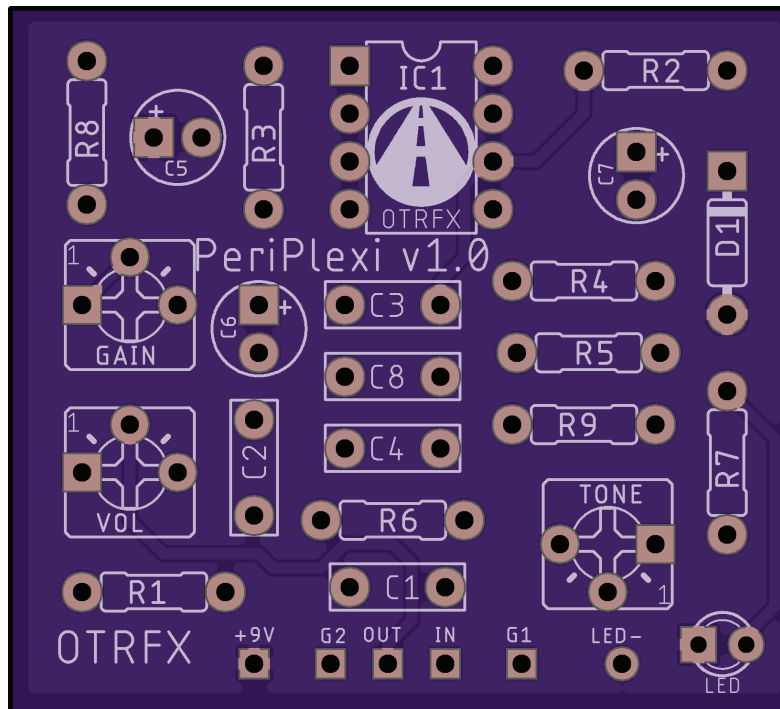




PeriPlexi (v1.0) Build Guide



PeriPlexi (v1.0) Build Guide

The Peri Plexi is based on the Purple Plexi (Marshall Plexi style distortion pedal). Despite it's simplicity, it is quite feature-rich, and has a dynamic rock distortion tone. The PCB is designed with all the controls as **internal trimpots**, so that you can fine-tune your favorite sound, close it up and just play- set and forget. If, however, you'd like some controls on the outside, you are welcome to run wires to some external potentiometers instead.

Resistors

R1	2M2
R2	10R
R3	10R
R4	4k7
R5	4k7
R6	330R
R7	CLR *
R8	470R
R9	1K8

Diodes

D1	1N5817
D2	LED

ICs

IC1	LM386
-----	-------

Capacitors

C1	390p	CERAMIC
C2	4n7	FILM
C3	100n	FILM
C4	100n	FILM
C5	47u	ELECTRO
C6	47u	ELECTRO
C7	47u	ELECTRO
C8	4n7	FILM

Potentiometers

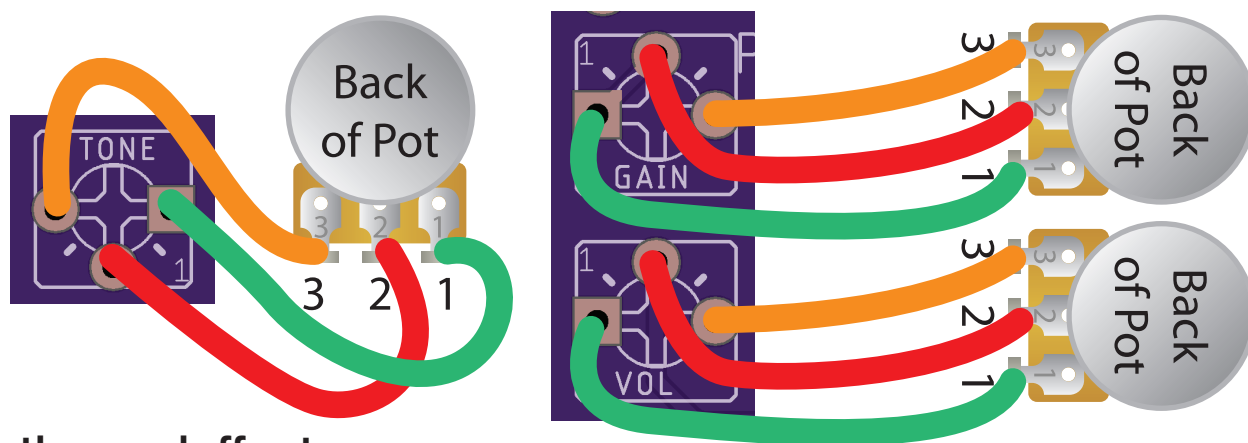
VOLUME	B100K
TONE	B5K
GAIN	B1K

* CLR = Current Limiting Resistor for the LED. 1k - 4.7k depending on desired brightness. (lower resistor value = brighter)

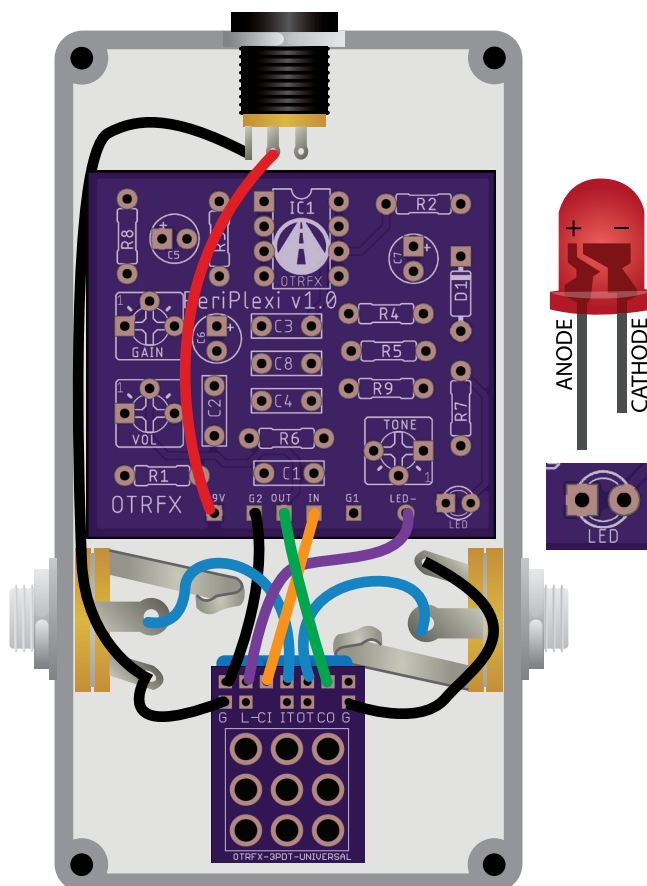
WIRING EXTERNAL POTS:

Note that **Lug 1** is marked on each trimpot.

Wire external pots accordingly, as shown below:



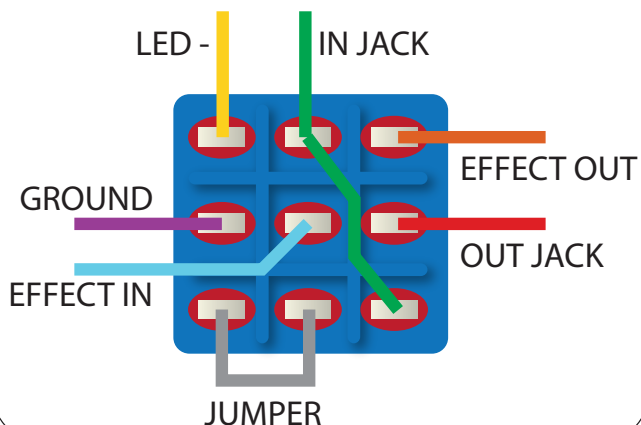
PeriPlexi (v1.0) Build Guide



**WITH
EXTERNAL
POTS:**



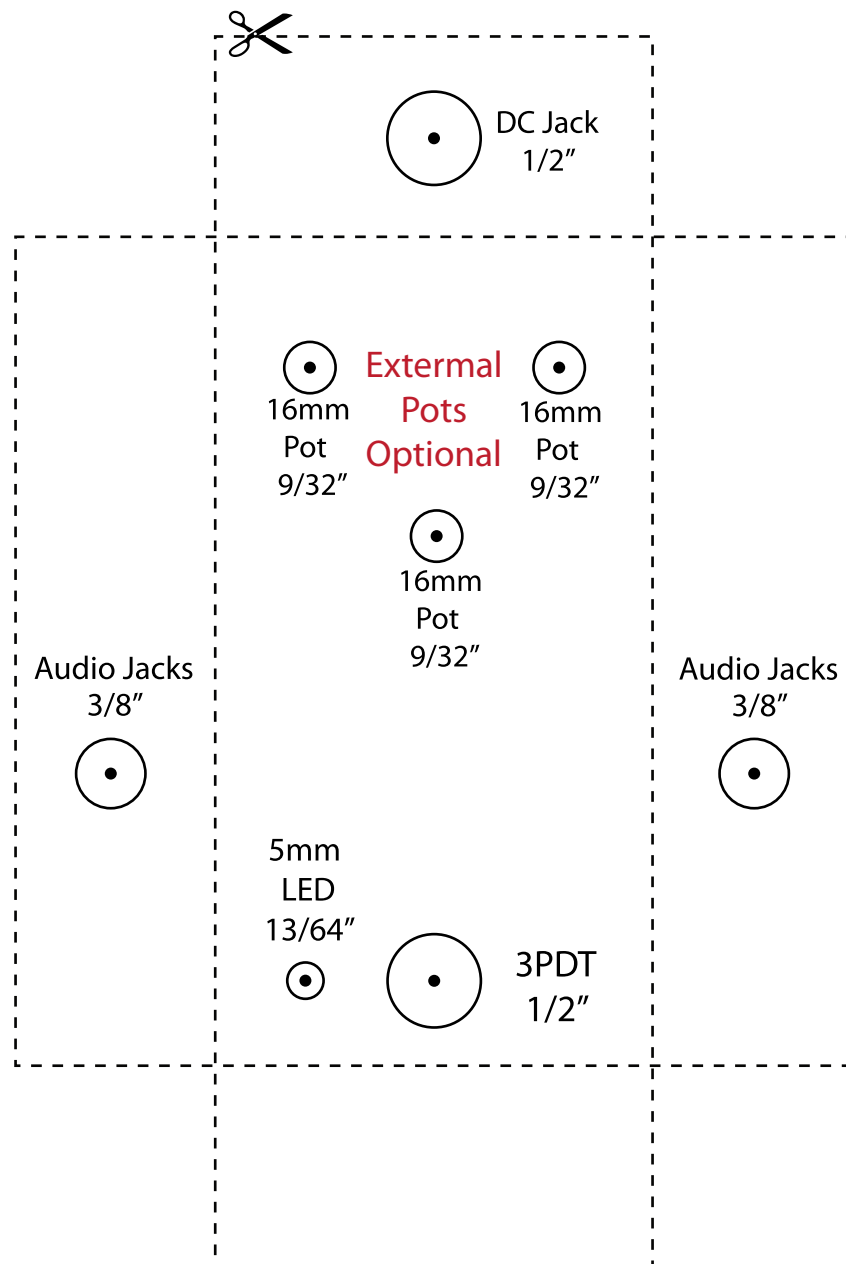
True Bypass Wiring



PeriPlexi (v1.0) Build Guide

Drilling Template

1590B Enclosure



PeriPlexi (v1.0) Build Guide

GENERAL INSTRUCTION STEPS:

Important: do the assembly in the following order to avoid unnecessary hardship!

1. Install/solder all resistors & diodes that lay flat on the PCB.
2. Install/solder any sockets (for IC's, diodes, resistors.. anywhere you might want to change a part, value or type).
3. Install/solder any DIP switches (if any).
4. Install/solder all capacitors & transistors.
5. Install/solder ribbon cable connector and/or any other wiring on the PCB which go to the jacks/stomp switch.
6. Install/solder PCB mounted pots & LED.
(**Important:** use pot dust caps or some other non-conductive material to keep back of pots from touching the back of the pcb)
7. Attach/solder wiring to the jacks & stomp switch.



TIPS:

- Check to make sure your wiring is complete before firing up the pedal for the first time, especially the 9V & ground wiring.
- Snip your component leads short after soldering. Your solder joints should look like shiny little Hershey's Kisses when finished.
- Socket anything you might want to change, or anything that would be very difficult to remove if faulty (IC's/transistors).

RESOURCES:

Parts Ordering:

Tayda Electronics
Mouser
Love My Switches
Small Bear Electronics

Website:

taydaelectronics.com
mouser.com
lovemyswitches.com
smallbear-electronics.mybigcommerce.com

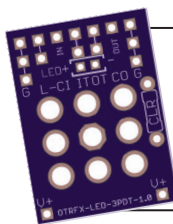
Specialties:

resistors, capacitors, diodes, sockets, LEDs, pots, knobs
resistors, capacitors, IC's
switches, knobs, enclosures, pre-wired LEDs
hardware, knobs, rare and vintage diodes, transistors & IC's



PEDAL BUILDER'S VECTOR PACK

Plan, design, test-fit, & print your DIY pedals with ease!
Visit ontheroadeffects.com



HATE WIRING STOMPSWITCHES?

Stock up on our handy 3PDT wiring boards!
Visit ontheroadeffects.com