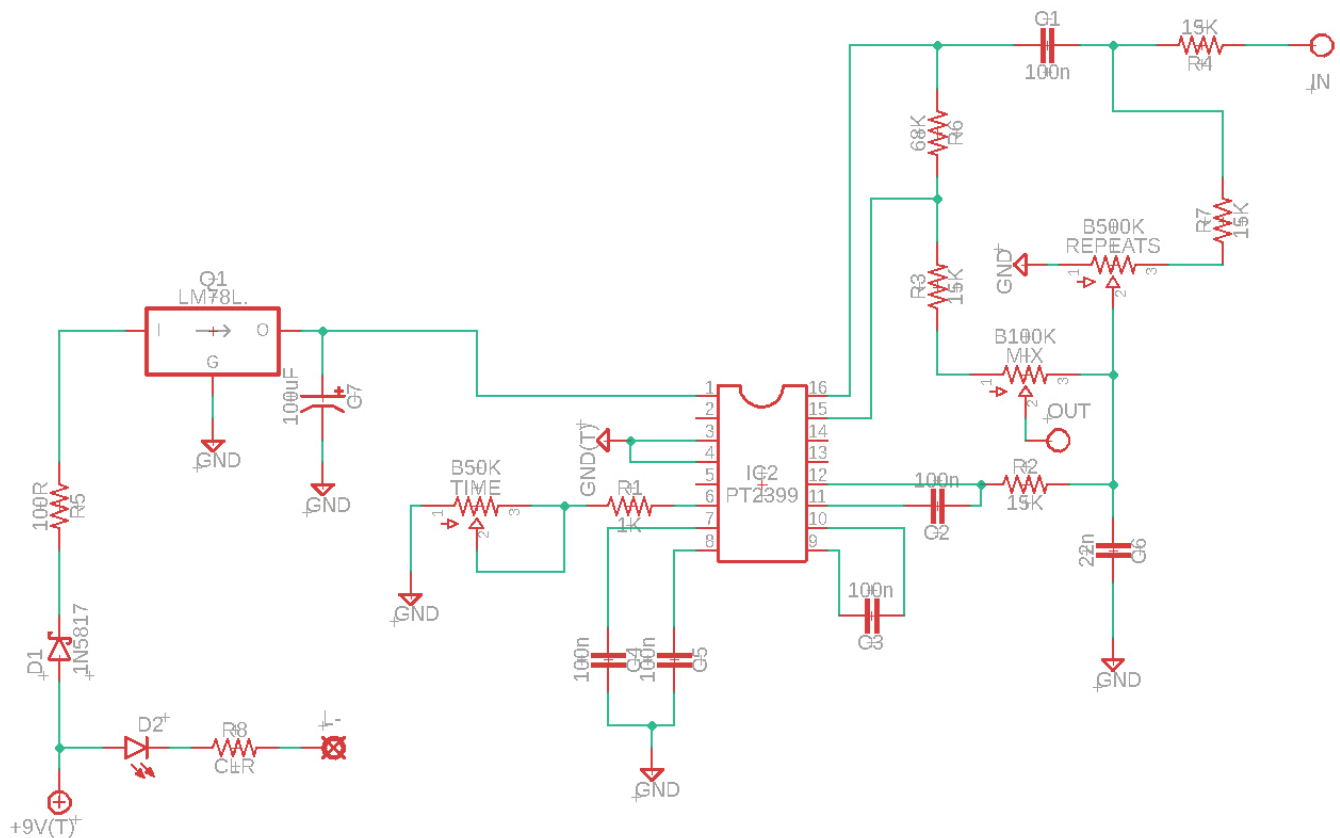
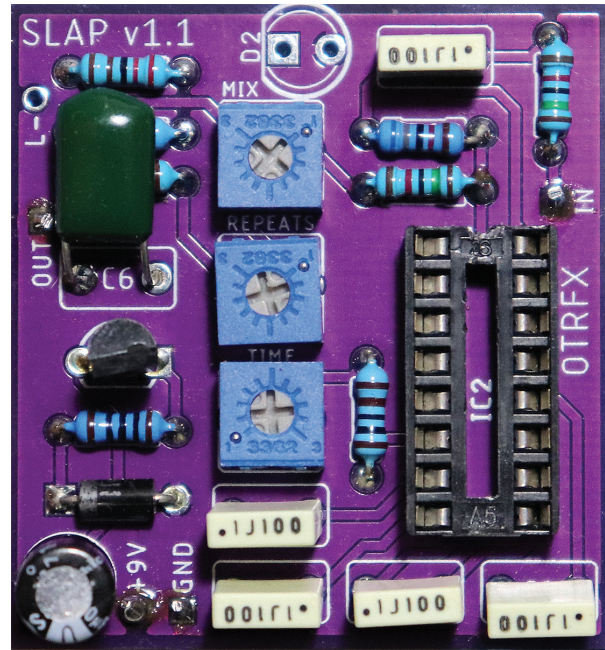
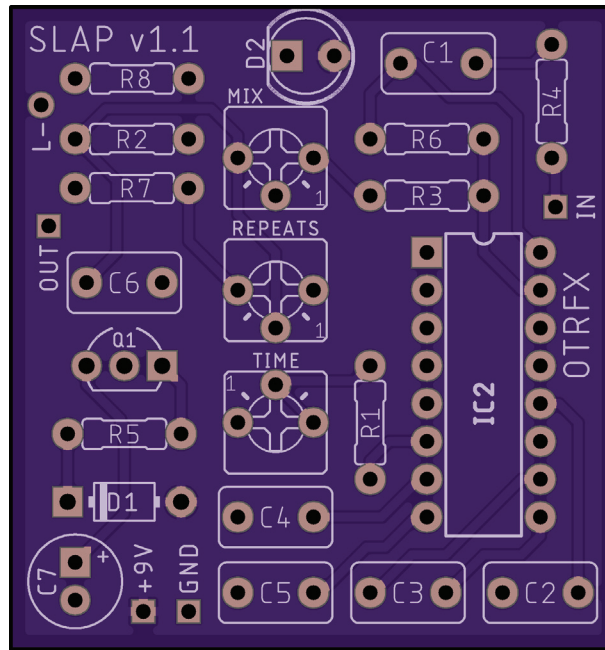




Slap (v1.1) Build Guide



Slap (v1.1) Build Guide

The Slap is a very low parts-count digital delay with a relatively short maximum delay time. It's best suited for slapback echo / double track / spring-tile reverb type sounds- the shorter the delay time, the less noise that is in the repeats.

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	1K
R2	15K
R3	15K
R4	15K
R5	100R
R6	68K
R7	15K
R8	CLR*

Capacitors

C1	100n
C2	100n
C3	100n
C4	100n
C5	100n
C6	22n
C7	100uF

Trimpots / Pots

MIX	B100K
REPEATS	B500K
TIME	B50K

Diodes

D1	1N5817
D2	LED

ICs

IC1	(none)
IC2	PT2399

Transistors

Q1	78L05
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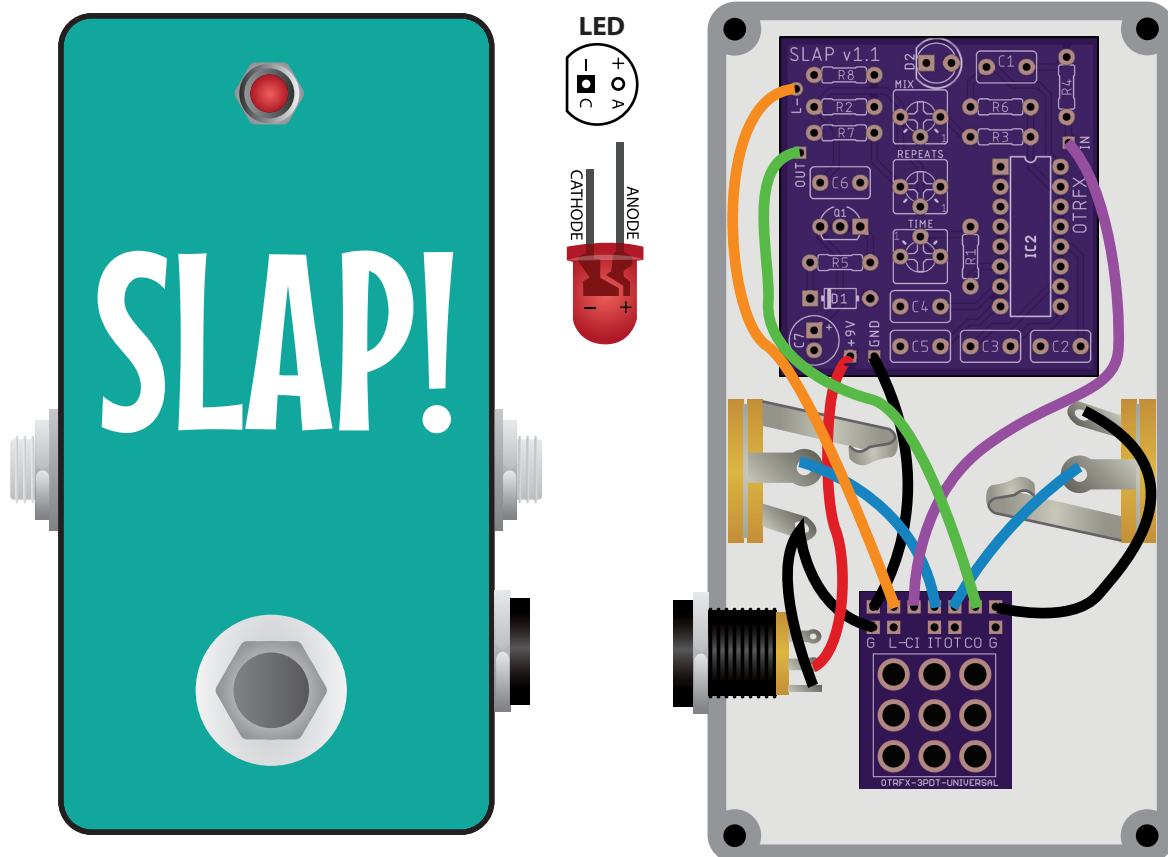
Build Notes:

Be sure to socket the PT2399 chip. The chance of one of these chips being wonky is never zero, and you definitely do not want to try unsoldering one!

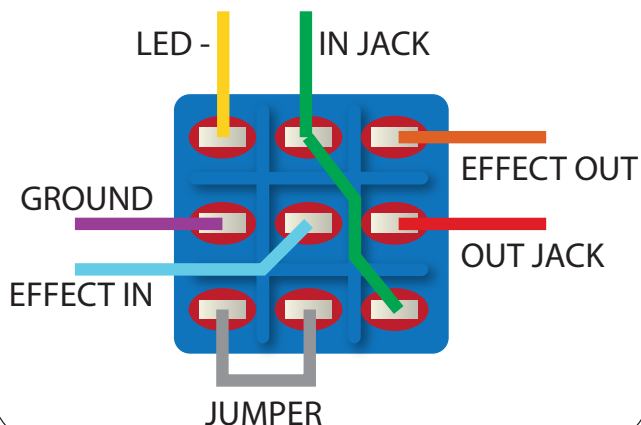
If you are wiring some external pots, see **page 4**.

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

Slap (v1.1) Build Guide



True Bypass Wiring



LED Drill Hole

1590B Enclosure

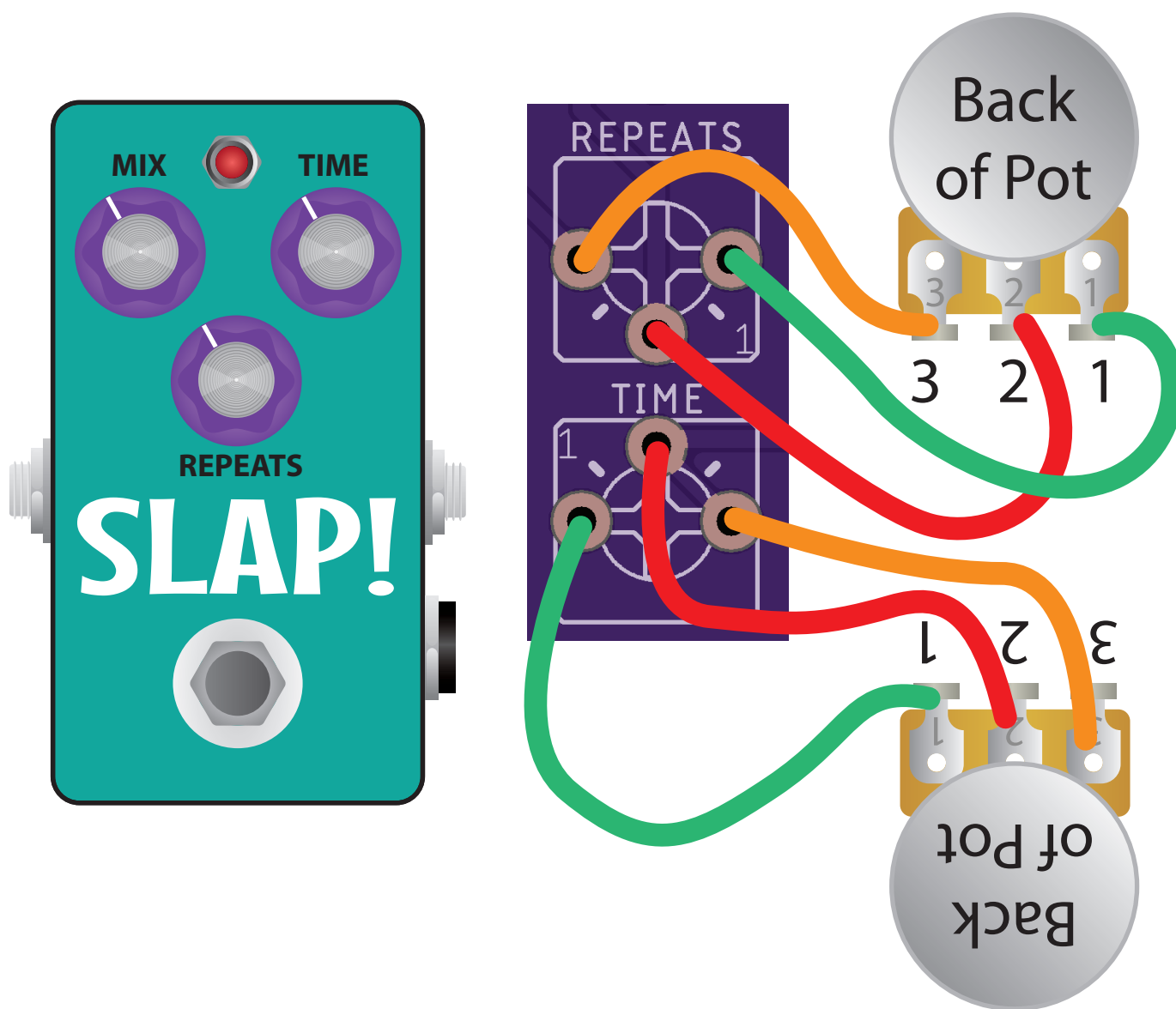
5mm LED 13/64"



Slap (v1.1) Build Guide

WIRING EXTERNAL POTS:

Note that **Lug 1** is marked on each trimpot.
Wire external pots accordingly, as shown below:



Slap (v1.1) 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 ICs, 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 (ICs/transistors).

RESOURCES:

Parts Ordering:

Tayda Electronics
Mouser
Love My Switches
Small Bear Electronics

Website:

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

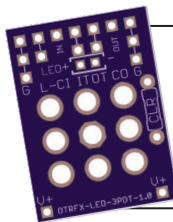
Specialties:

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



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