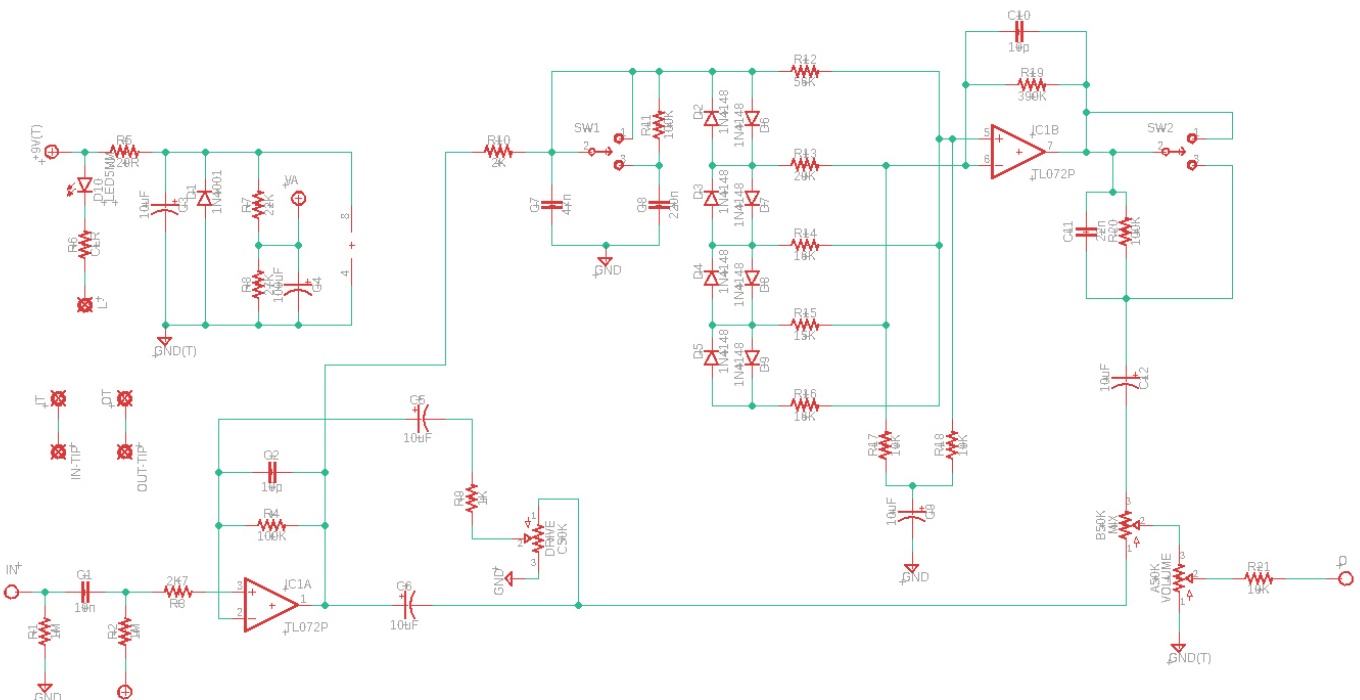
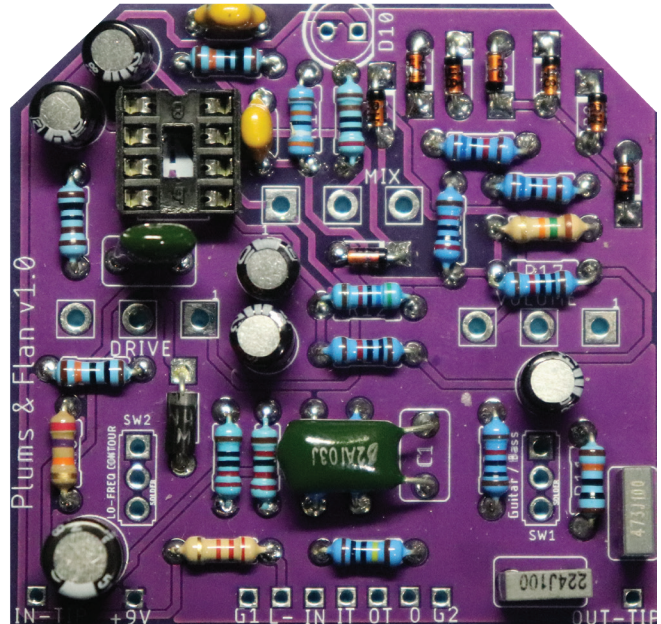
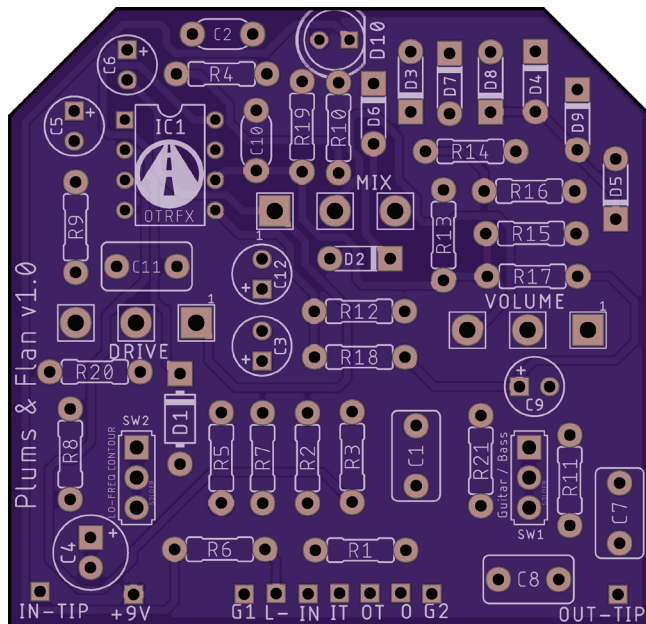




Plums & Flan (v1.0) Build Guide



Plums & Flan (v1.0) Build Guide

The Plums & Flan is based on the Prunes & Custard Harmonic Generator-Intermodulator pedal - wait, what? Think of it as a waveshaping distortion that can produce envelope filter and ring modulator type sounds. It's a real interesting circuit, and creates some wild sounds on both guitar and bass. A great secret weapon for funk, metal, noise rock and just about any other style of music where weirdness is considered an asset.

Resistors

R1	1M
R2	1M
R3	2K7
R4	100K
R5	220R
R6	CLR*
R7	22K
R8	27K
R9	1K
R10	2K
R11	100K
R12	56K
R13	20K
R14	16K
R15	15K
R16	16K
R17	10K
R18	10K
R19	390K
R20	100K
R21	10K

Diodes

D1	1N4001
D2	1N4148
D3	1N4148
D4	1N4148
D5	1N4148
D6	1N4148
D7	1N4148
D8	1N4148
D9	1N4148
D10	LED

Capacitors

C1	10n	FILM
C2	10p	FILM
C3	10uF	ELECTRO
C4	100uF	ELECTRO
C5	10uF	ELECTRO
C6	10uF	ELECTRO
C7	47n	FILM
C8	220n	FILM
C9	10uF	ELECTRO
C10	10p	FILM
C11	22n	FILM
C12	10uF	ELECTRO

Potentiometers

VOLUME	A50K
DRIVE	C50K
MIX	B50K

Switches

SW1 (gtr/bs)	SPDT On-On (Sub Mini)**
SW2 (lo-freq)	SPDT On-On (Sub Mini)**

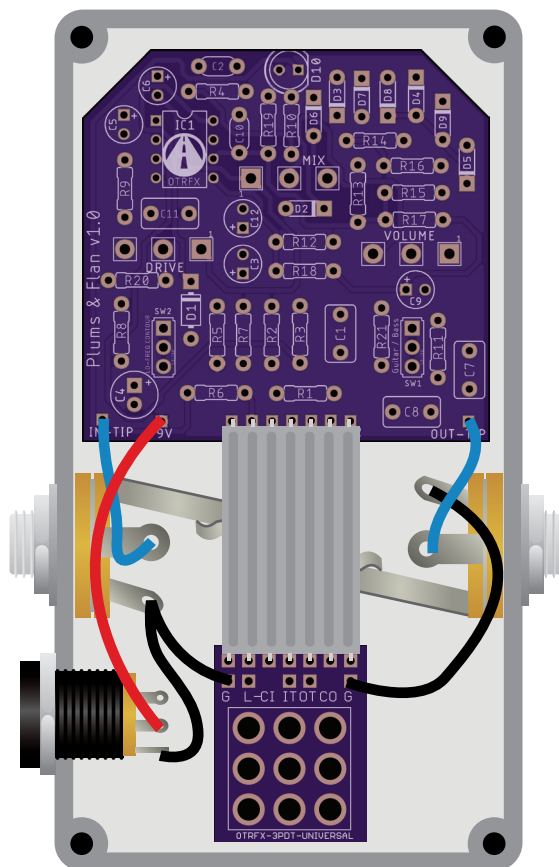
ICs

IC1	TL072P
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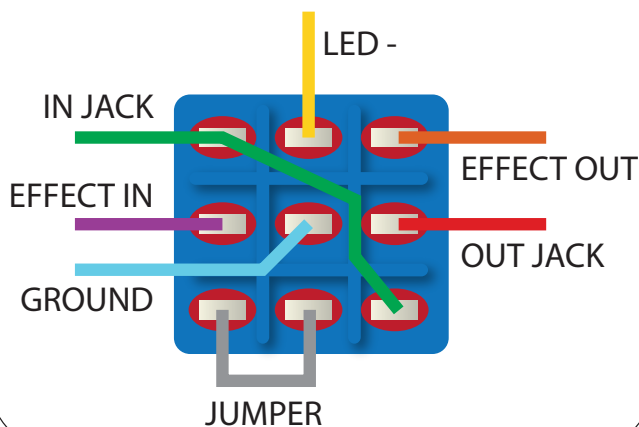
* CLR = Current Limiting Resistor for the LED.
1k - 4.7k depending on desired brightness.
(lower resistor value = brighter)

** Note that the toggle switches for this project are **Sub Mini** size, as opposed to larger 'Mini' toggle switches.

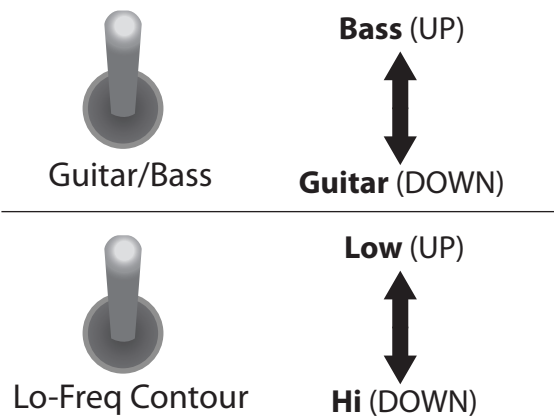
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True Bypass Wiring



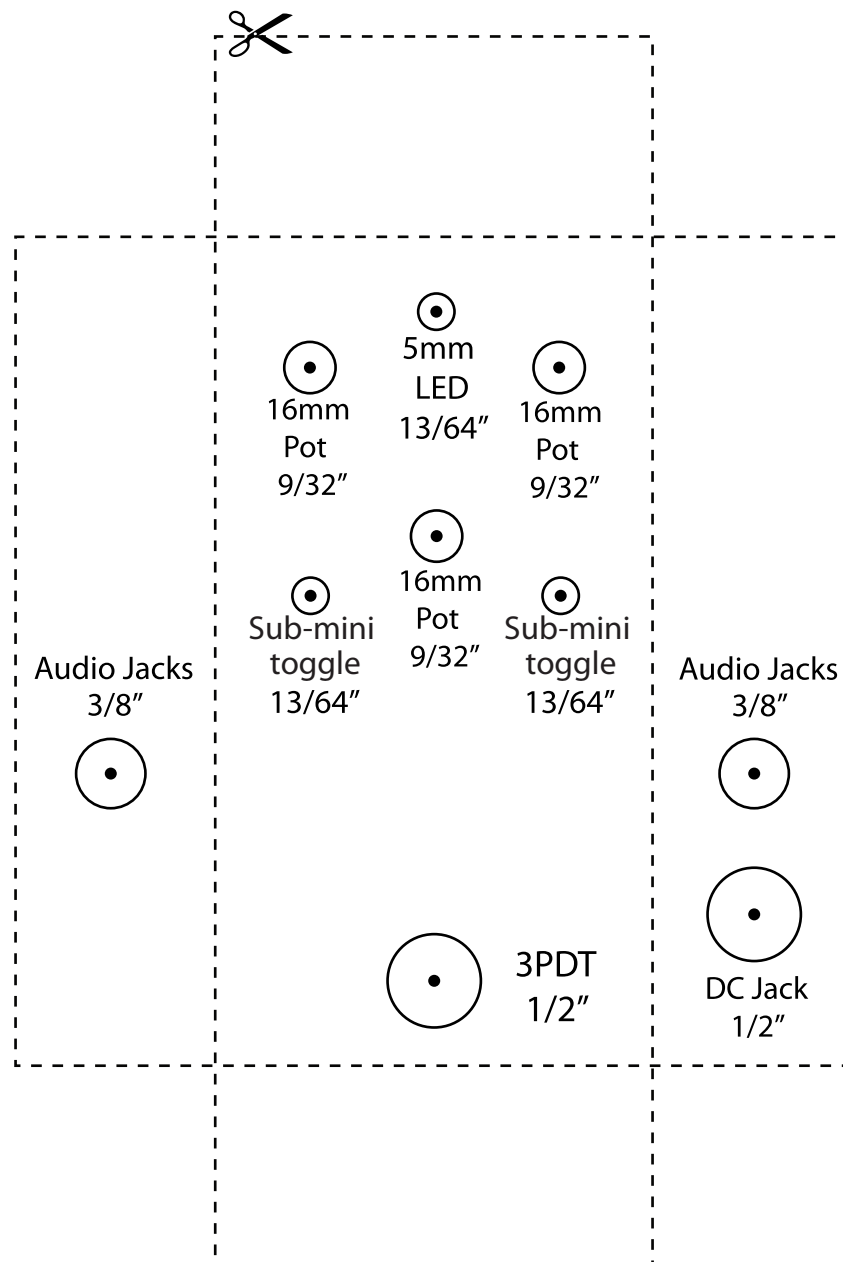
Switches



Plums & Flan (v1.0) Build Guide

Drilling Template

1590B Enclosure



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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

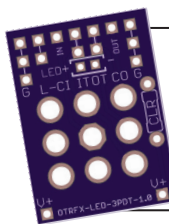
Specialties:

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



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