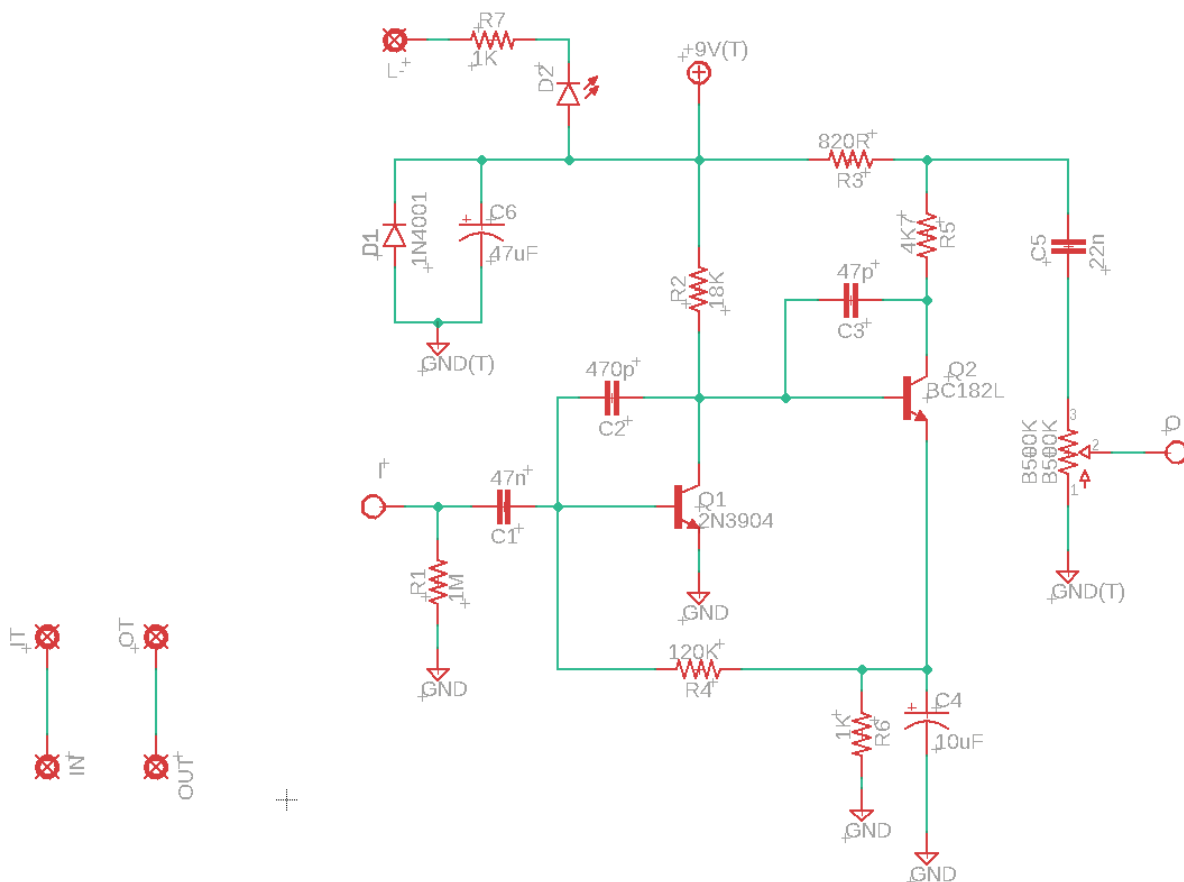
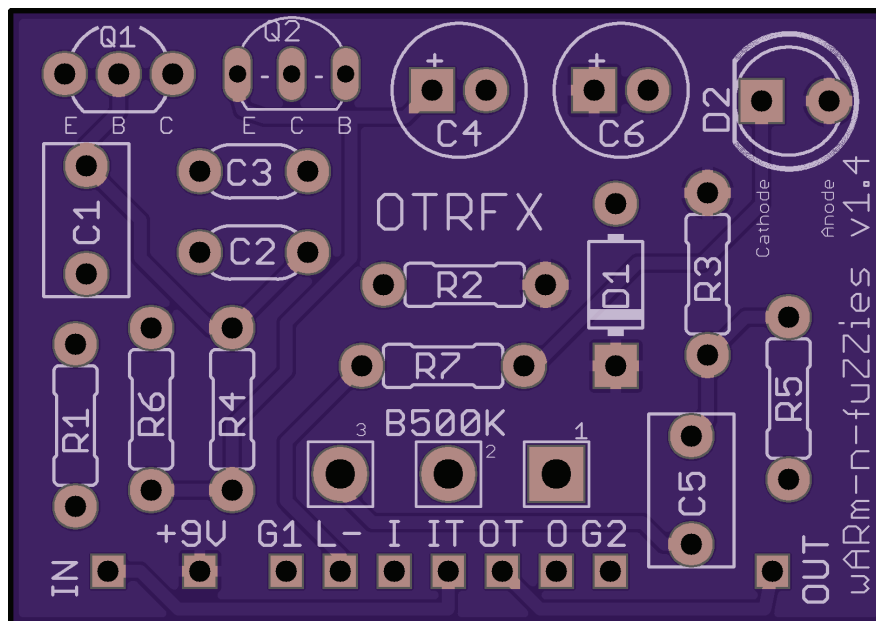




wARm-n-fuZZies (v1.4) Build Guide



wARm-n-fuZZies (v1.4) Build Guide

The wARm-n-fuZZies is a classic one-knob fuzz pedal based on the D*A*M* Meathead fuzz. With only one simple volume control on the pedal, the fuzz saturation amount is adjusted by using your instrument's volume knob.

Listed below are several variants of the circuit. Choose from Meathead, Meathead Dark, Black Arts Toneworks Ritual Fuzz, or the OTRFX wARm-n-fuZZies special recipe, which is in-between the sound of the Meathead and Meathead Dark: wonderfully thick without sounding too muddy.

	<u>Meathead</u>	<u>Meathead Dark</u>	<u>Ritual Fuzz</u>	<u>wARm-n-fuZZies</u>
Resistors				
R1	1M	1M	1M	1M
R2	18K	18K	10K	18K
R3	820R	820R	820R	820R
R4	120K	120K	150K	120K
R5	4K7	4K7	4K7	4K7
R6	1K	1K	2K	1K
R7	CLR*	CLR*	CLR*	CLR*

Capacitors					
C1	47n	470n	680n	68n	Film
C2	470p	470p	170p	470p	Ceramic
C3	47p	47p	Omit	47p	Ceramic
C4	10uF	10uF	10uF	10uF	Electrolytic
C5	22n	100n	220n	39n	Film
C6	47uF	47uF	100uF	47uF	Electrolytic

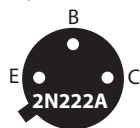
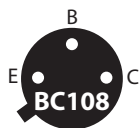
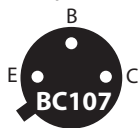
Transistors**				
Q1	2N3904	BC107	2N2222A	2N3904
Q2	BC182L	BC108	2N2222A	BC182L

Diodes				
D1	1N4001	1N4001	1N4001	1N4001
D2	LED	LED	LED	LED

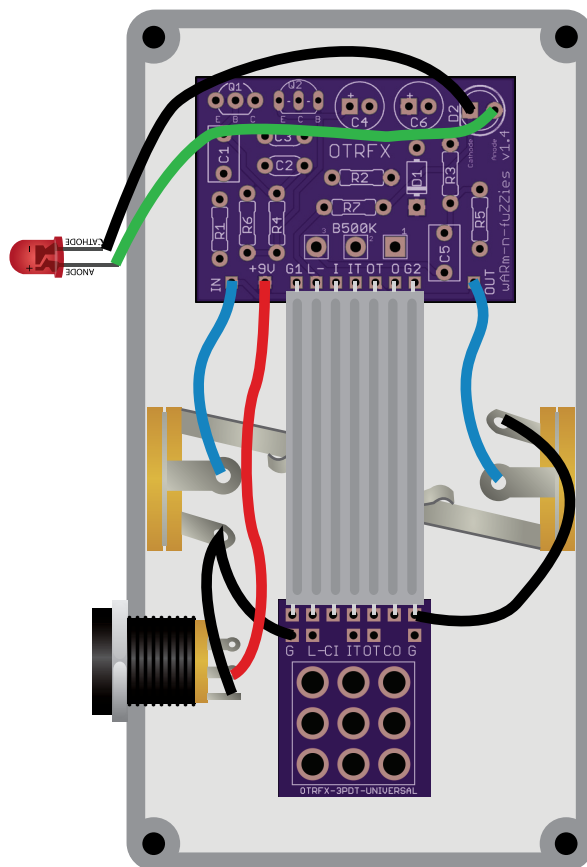
Potentiometer				
LEVEL	B500K	A500K	B500K	B500K

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

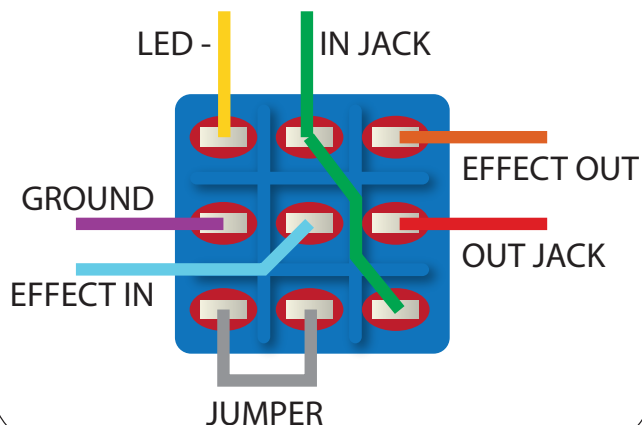
** Transistor pinouts on the board are for the Meathead/wARm-n-fuZZies variants. Emitter, Collector and Base are notated on the PCB, for Q1 and Q2. Confirm the pinout of the transistors you will use, (see examples below).



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True Bypass Wiring



Pot Drill Hole

1590B Enclosure

16mm Pot
9/32"



wARm-n-fuZZies (v1.4) 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

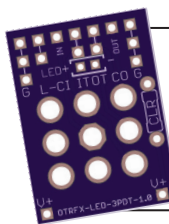
Specialties:

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



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