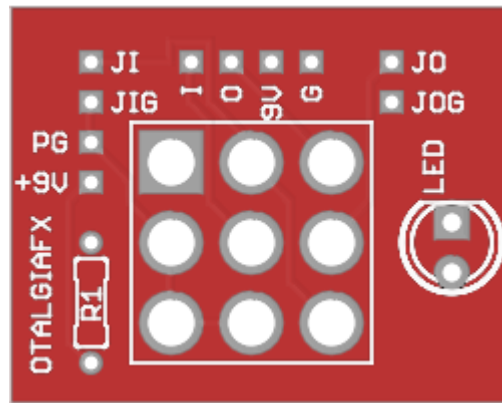
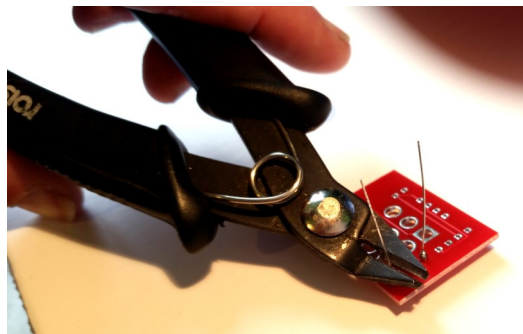
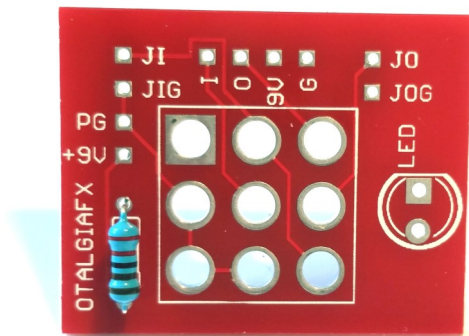


3PDT Daughterboard PCB Instructions



STEP 1—Install the current limiting resistor.

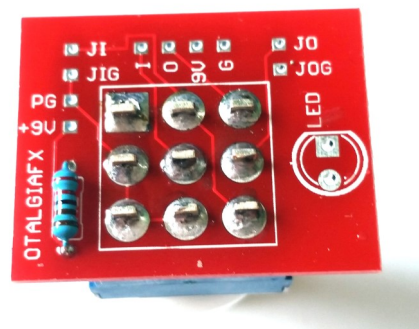
Solder a 2.2k (or value to your taste of LED brightness) to the position R1 on the PCB (see pictures below) . Use snips to trim legs of resistor after soldering.



STEP 2— Installing daughterboard onto 3PDT switch

Place the daughterboard on top of a 3PDT switch. The 9 contacts should be horizontal in line with JIG and JOG text (see images below). If the switch is orientated incorrectly it will not work.

Solder the 9 contacts in place. Try not to expose each contact for too long a period to heat as the contacts in the switch might deteriorate or fail.



STEP 3— Solder the Power supply and Jack Input and Output wires

There are 4 holes on the PCB labelled JI, JIG,JO and JOG. These wires are used to connect the input and output jacks of your pedal.

Solder a wire (AWG24 size wire) to the hole labelled JIG

Solder a wire (AWG24 size wire) to the hole labelled JOG

* These wires are both ground wires so I have used black wire. In the pictures

Solder a wire (AWG24 size wire) to the hole labelled JI

Solder a wire (AWG24 size wire) to the hole labelled JO

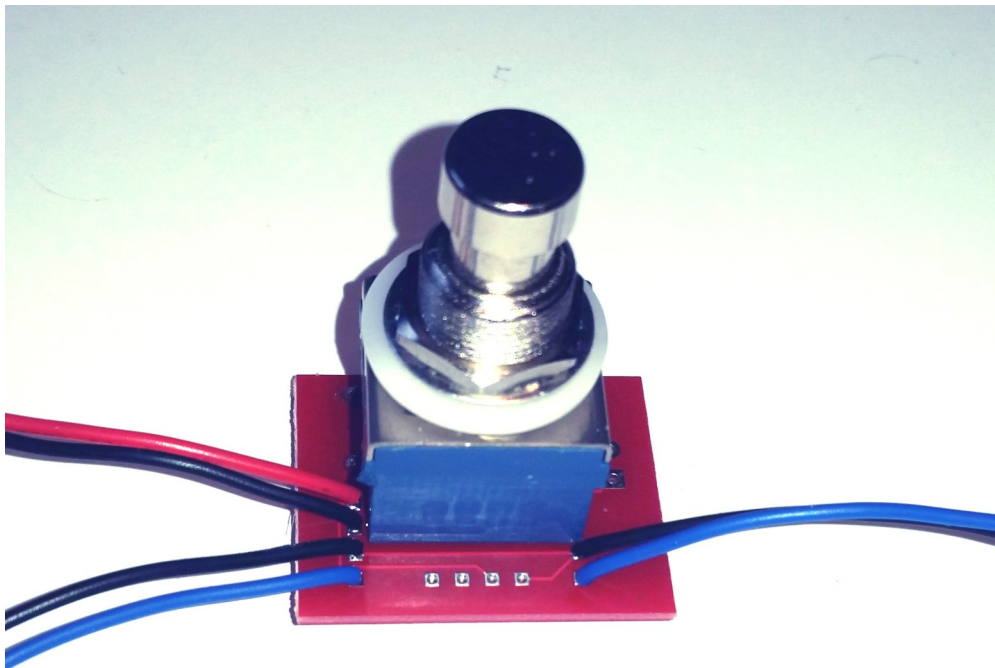
* These wires are input and output wires so I have used blue wire. In the pictures

Solder a black wire (AWG24 size wire) to the hole labelled PG

Solder a red wire (AWG24 size wire) to the hole labelled +9V

* These wires are the DC jacks positive and negative wires.

Your board should now look like this -

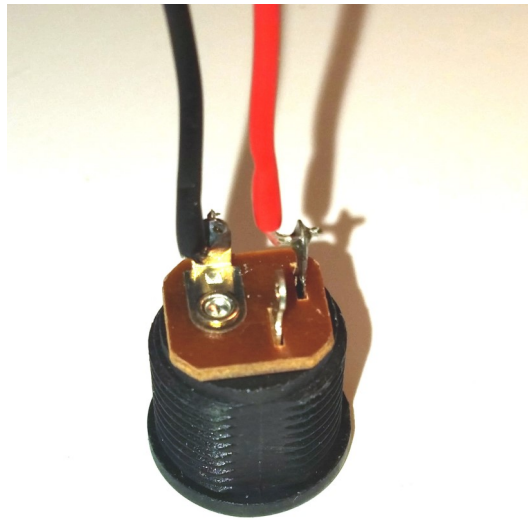


STEP 4—Connecting it all together

The board is now complete and ready to wire up as follows—

DC Jack—

Solder the red wire from the +9V terminal on the pcb to the outer lug on the DC jack and wire the black wire from the PG terminal to the center lug on the DC jack (see picture below)



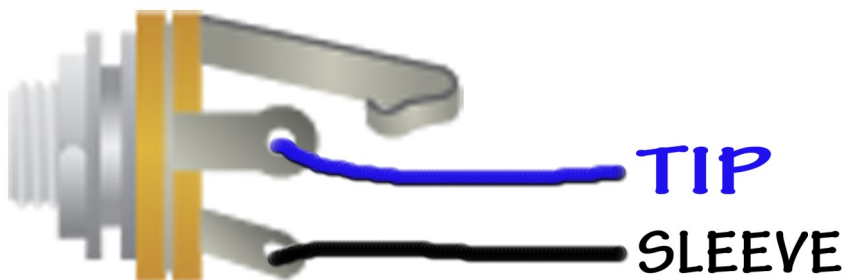
Input Jack & Output Jack—

Solder the black wire from the JIG terminal to the sleeve of the input jack socket

Solder the blue wire from the JI terminal to the tip of the input jack socket

Solder the black wire from the JOG terminal to the sleeve of the output jack socket

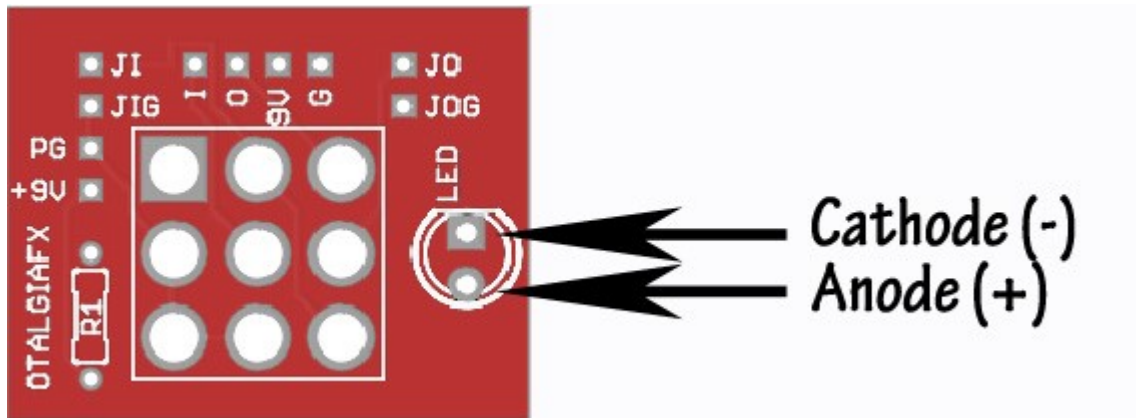
Solder the blue wire from the JO terminal to the tip of the output jack socket



LED—

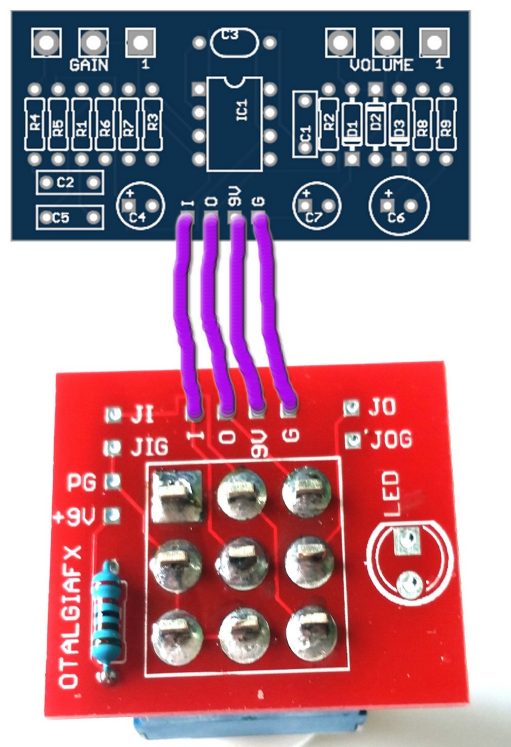
Solder (or run a wire from depending on where you want to mount your led in the enclosure) the Cathode of your LED to the square pad on the pcb and solder the Anode to the round pad.

*If you are unsure of which leg of the diode is the Cathode or anode then use a multimeter to test. Usually the anode of an LED has a longer length leg than the cathode.



FINISHED

The offboard wiring is now complete and all that remains now is to connect the switch to the effect PCB. If using effect pcb's from otalgiaFX then with the majority of the boards you can simply solder the terminals of the 3PDT daughterboard to the matching named terminals on the effect circuit board as illustrated below -



If your are not using PCB's from OtagiaFX then terminals connect as follows -

I — Connects to the input terminal of the effect PCB

O— Connects to the output terminal of the effect PCB

9V — Connects to the positive 9V supply terminal of the effect PCB

G — Connects to the Ground terminal of the effect PCB

Copyright M Jones, OtagiaFX 2020