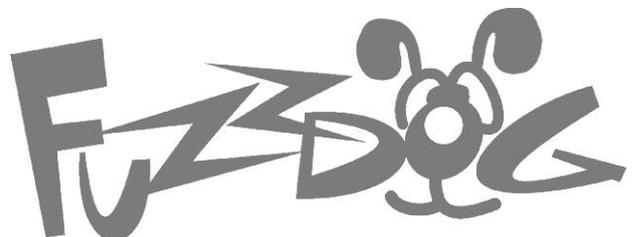


FuzzPup Double Up

Two mini circuits in one big box



IMPORTANT Before you start...

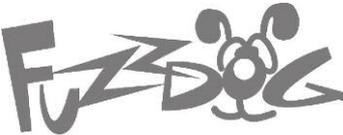
If you're using the Double Up board with FuzzPup PCBs, grab the general build doc that covers all FuzzPup builds. Most of the information you need for this build is in there. Read it? OK, carry on.

Of course this board can be used on non-FuzzPup builds. That'll be covered later.



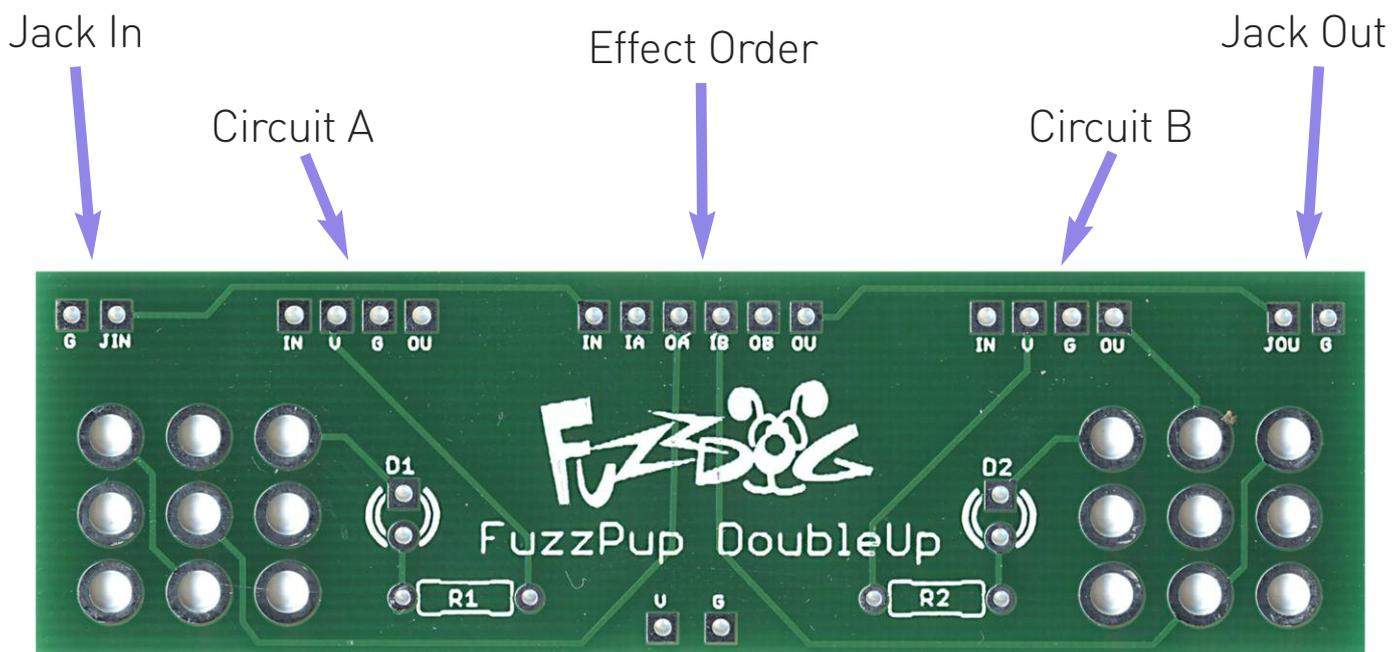
FuzzPups

Lovely little boxes of joy with a totally standardised build pattern



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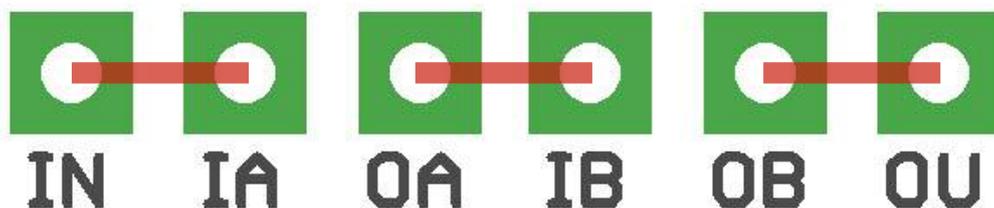
The Magic Double Up Bypass PCB



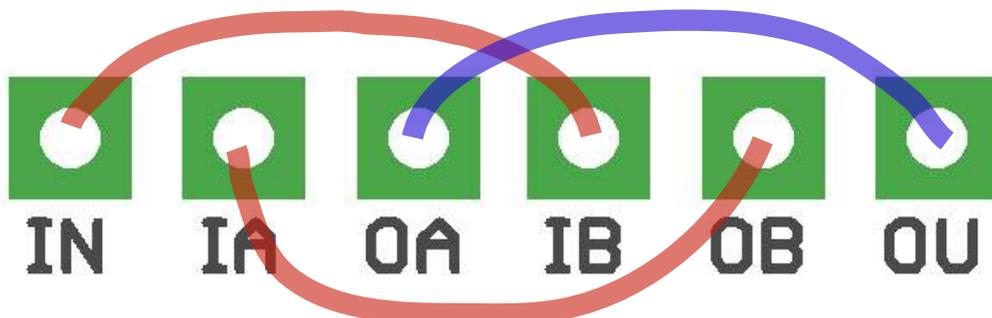
If you aren't using an order switcher...

you need to jumper the pads in that section as shown below.

Normally you'd want Circuit A to be first in the order, so jumper the pads like this:



If for some crazy reason you want Circuit B to be first, jumper like this (not so neat):



Connecting your circuits

You shouldn't go near the daughterboard with your two main circuits until they're fully tested.

The daughterboards can be used to connect any circuits that require the standard IN, OUT, V and G connections, but we'll concentrate on FuzzPups here.

As there are only those four connections, you should use a 4-way header connector rather than 6-way on your FuzzPup PCBs. The Jack-IN and Jack-OUT on the FuzzPup boards are therefore redundant - you must use those connections on the Double-Up daughterboard.

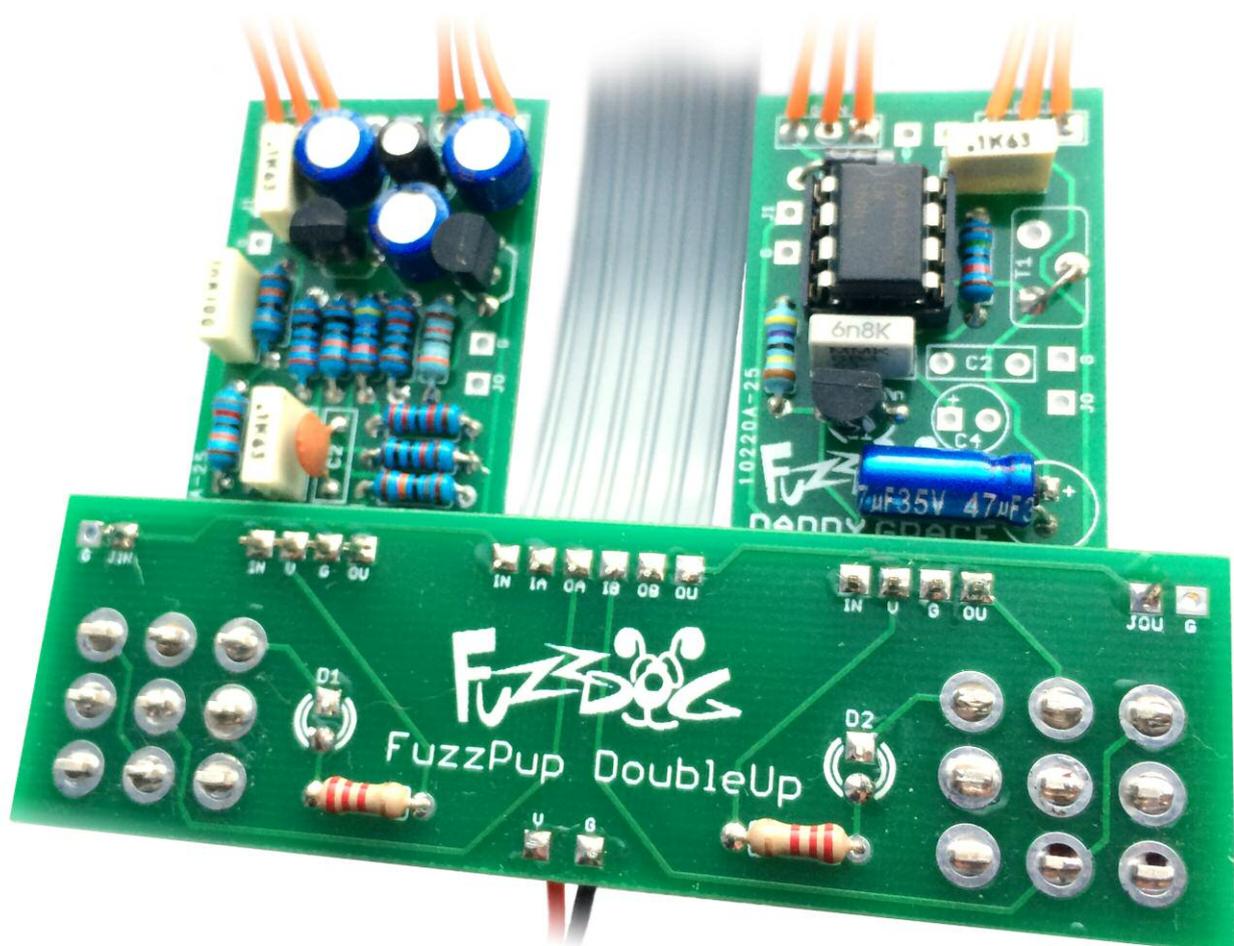
You can use the V and G pads from either of your circuits or from the Double-Up daughterboard to connect to your DC socket, as they're all connected once the circuits are mounted.

There's really not a great deal to do here. Solder in your preferred value resistors for R1 and R2, which are the current limiters for the LEDs.

Place your LEDs (anode - long leg - to round pad) into their spots and pull them right through, then bend out the legs a little. Once your board is soldered to the footswitches you can push them through and locate them into their enclosure holes.

It's a good idea to have the footswitches already fitted into their holes in the enclosure, then drop the daughterboard onto them. There's a small amount of wiggle room in the footswitch pads, so doing it this way ensures a good fit.

Now wire up your jacks and DC as shown on the next page and you should be good to go.

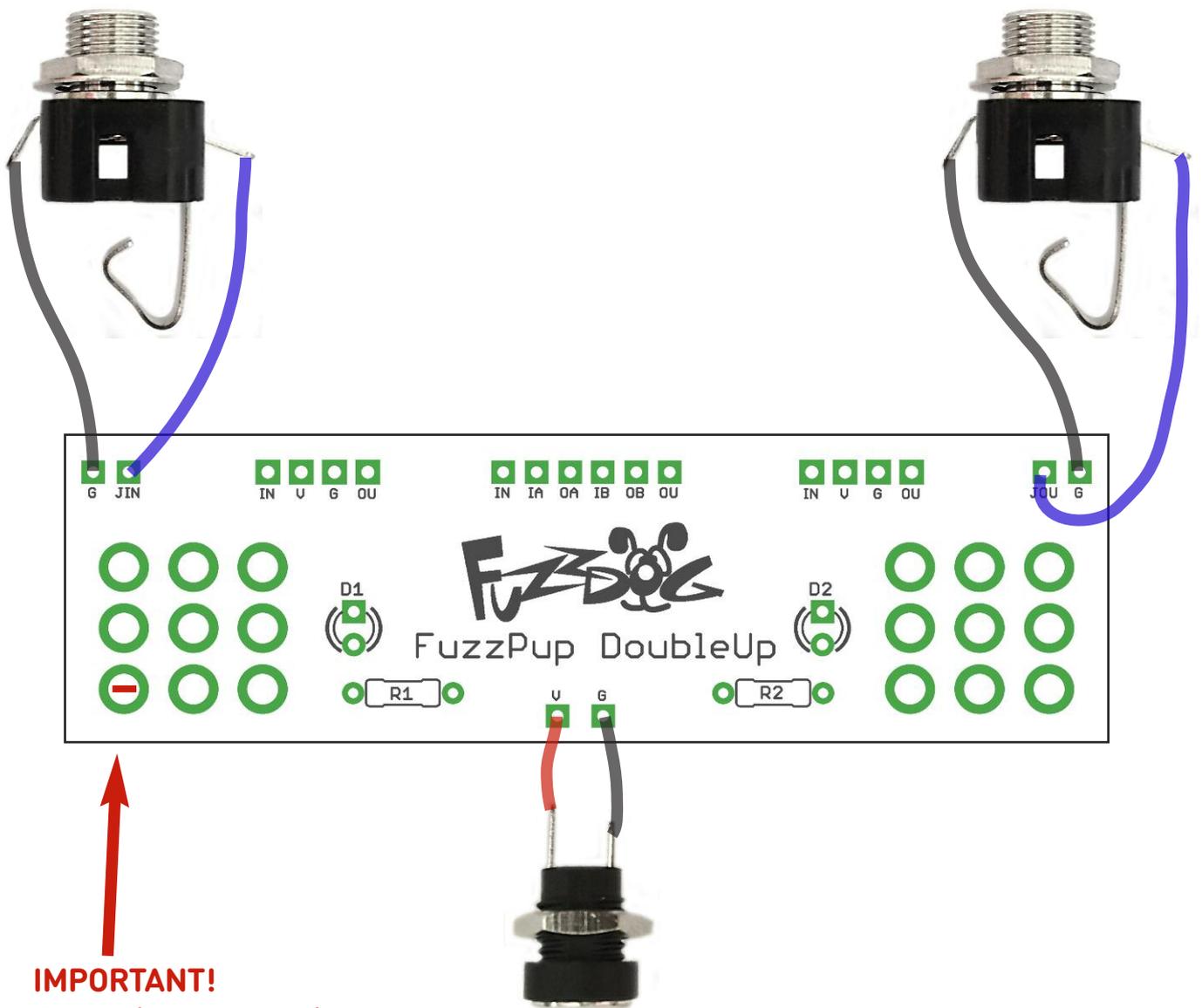


Footswitches and offboard wiring

When mounting the footswitches ensure they are positioned with the lugs horizontally as shown below.

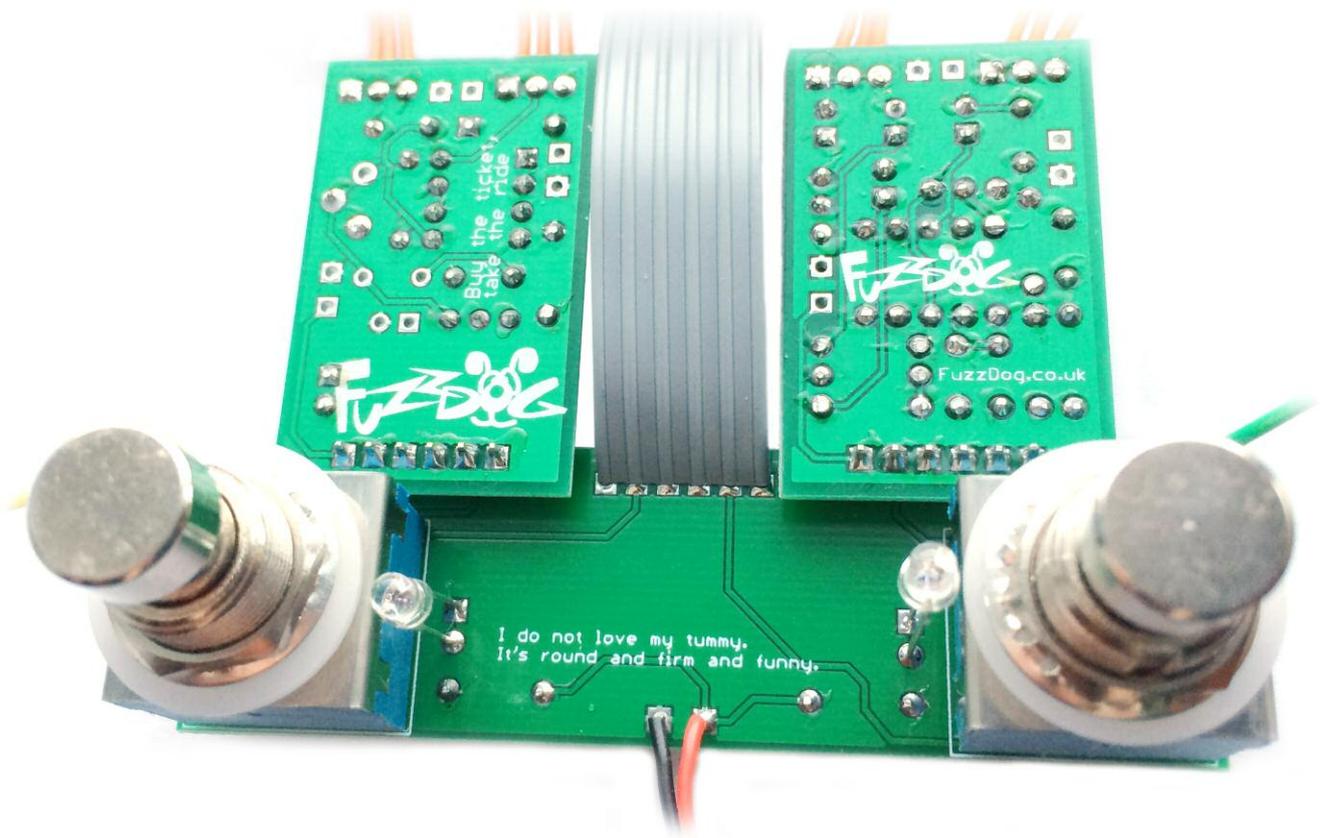
Your jacks should connect to the JIN and JOU pads on the daughterboard.

DC socket can connect to the V and G pads on the daughterboard or on either of the FuzzPup boards, whichever is most convenient and neatest.



IMPORTANT!
Footswitch lugs horizontal

It should look a little
somethin' like this...

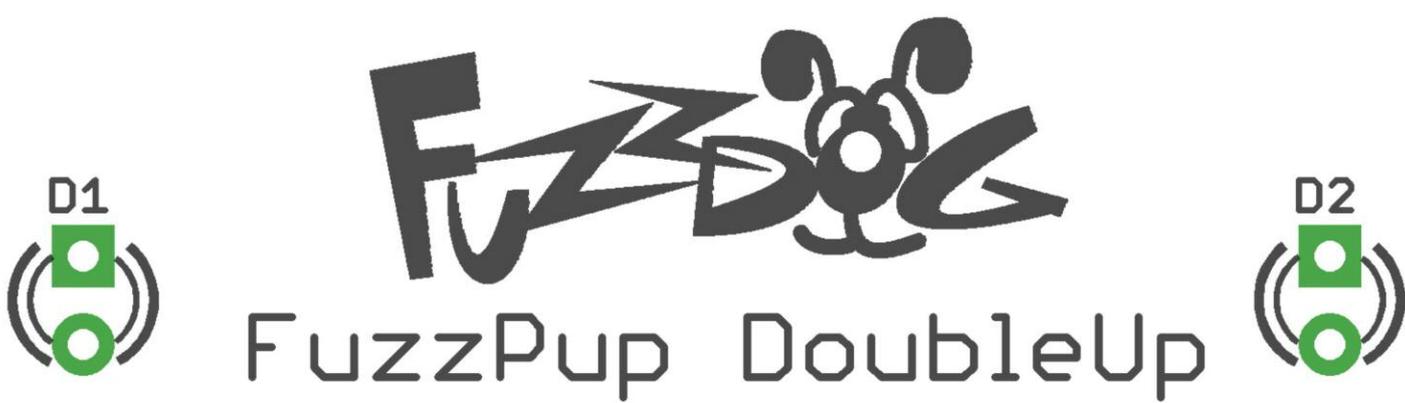
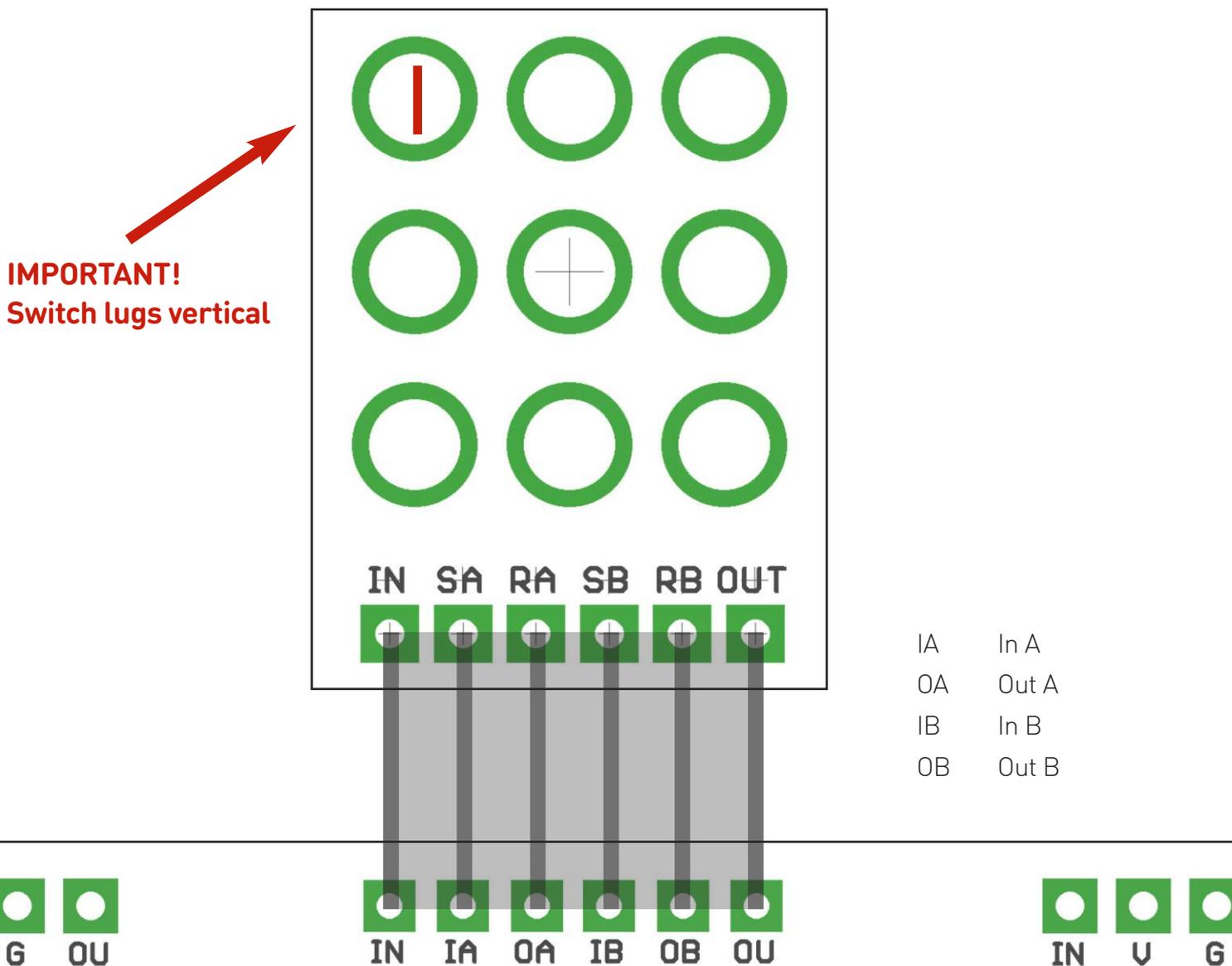


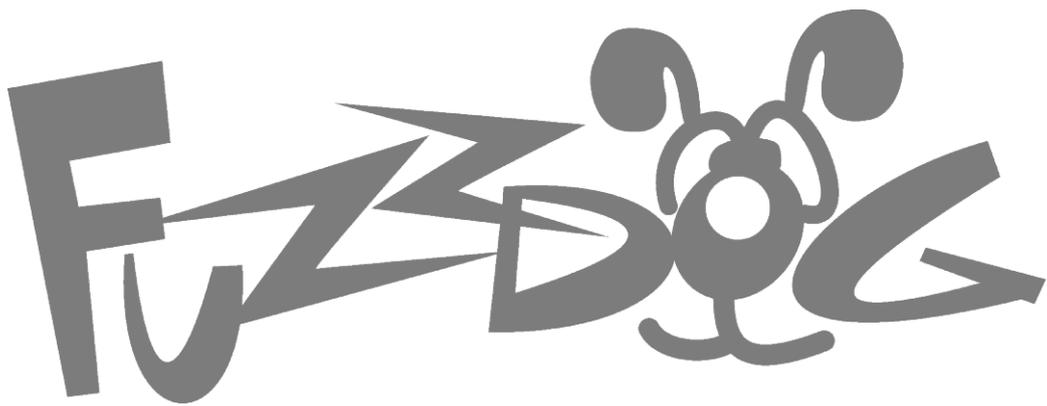
..but without the
ribbon if you aren't
using an order
switcher

About that order switcher...

Easy enough. Simply solder your 3PDT toggle switch onto the Order Switcher daughterboard, then connect that to the Double-Up board. Of course you can use individual wires rather than ribbon.

Switch lugs should be vertical as shown. It's a tight squeeze as the boards are designed to take toggle or footswitches. The pad spacing is a little narrow for the ribbon cable but it will fit with a tweak.





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