

Micro 3PDT Bypass

Simplified true-bypass wiring

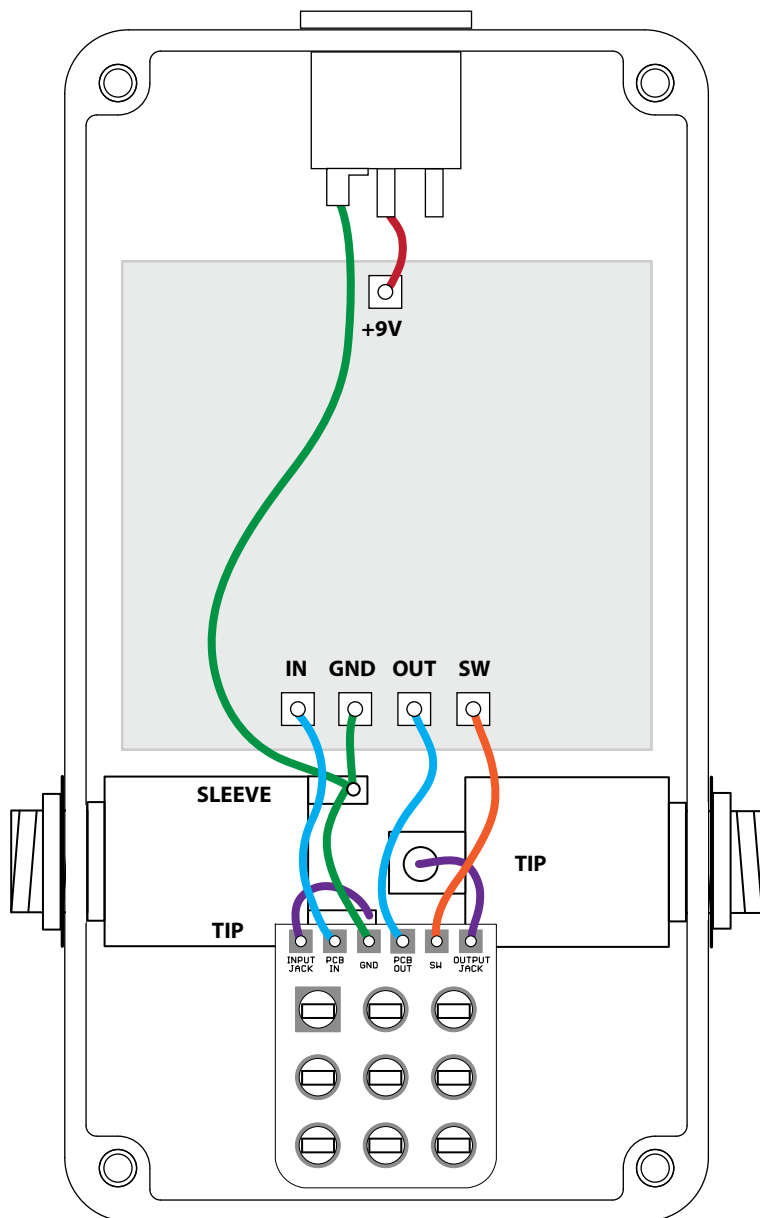
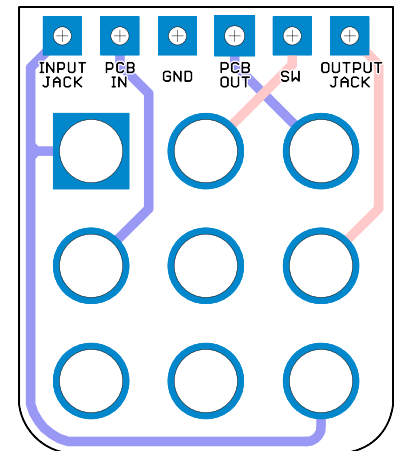


Usage

At only 0.65" wide by 0.75" tall, the Aion Micro 3PDT Bypass is the smallest bypass wiring PCB available, only barely larger than a 3PDT stomp switch. This makes it perfect even for micro 1590A projects!

There is some variance in the lug positions of 3PDT switches, so it may fit tightly, but don't worry—this just ensures a better mechanical connection.

Note that this was designed for 22-gauge stranded wires, so larger solid core wires may not fit in the pads. This has not been tested, but just be forewarned.



Wiring is dead simple: the pads match up to every Aion PCB project, so you can run the wires straight across (as shown in the diagram to the left) and be done with it. But here's a description of each of them.

INPUT JACK goes to the tip of the input jack.

PCB IN goes to the circuit input.

GND goes to the star-ground point of the circuit (shown here as the sleeve of the input jack).

PCB OUT goes to the circuit output.

SW is the bypass indicator LED ground. The cathode (flat side) of the LED connects to this pad, with +9V connecting to the other side of the LED through a current-limiting resistor. **All Aion PCBs have the LED and resistor built in, so just connect this to the SW pad on the PCB.**

OUTPUT JACK goes to the tip of the output jack.

With the switch in the off/bypass position, the input jack and output jack are connected and the LED is off. The circuit input is also grounded, which can potentially help with switch pop.