miidii

build guide
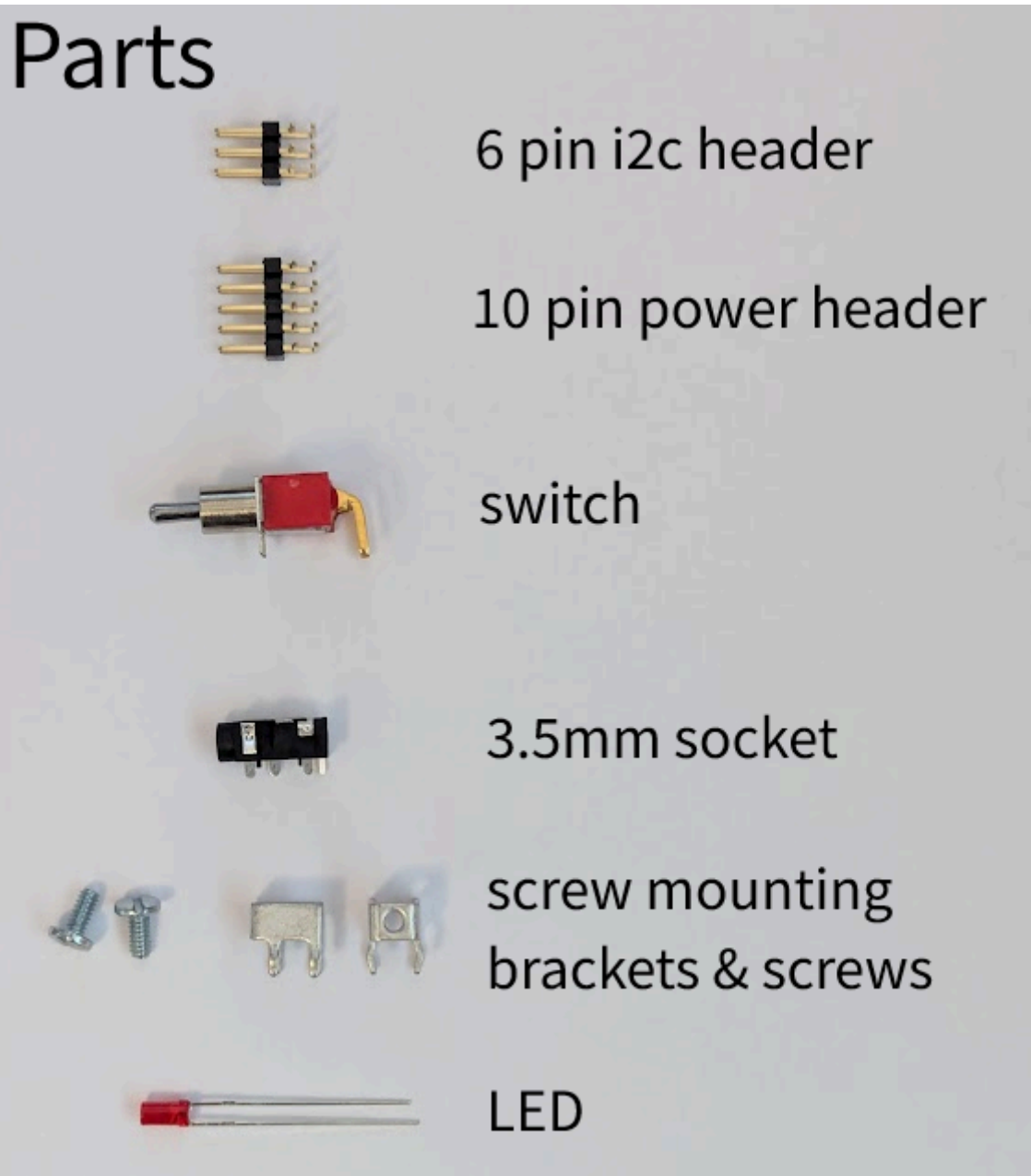
Miidii is a straightforward build with only a handful of through-hole parts.

You will need a soldering iron and solder, wire cutters, a flat head screwdriver and ideally pliers. You will also need a USB cable and computer to program the firmware.

As a general approach to soldering the module, solder a single pin of a component first and check you are happy with the positioning. You can then reflow the solder and adjust the position of the component easily whereas it is much harder after you have soldered several pins.

Parts

	6 pin i2c header
	10 pin power header
	switch
	3.5mm socket
	screw mounting brackets & screws
	LED

1. Solder the 10 pin power header and 6 pin i2c header. The headers should sit on the front side of the PCB which has all of the other components on it. The legs of the headers go through the PCB to the back where they can be soldered.

2. Without soldering it yet, install the two screw mounting brackets at the top and bottom of the PCB (they should pop into place). Then place the switch and 3.5mm socket on the board.

3. Add a 90° bend to the LED legs so that the front of the LED is level with the front of the panel. The shorter LED leg goes into the hole with the square pad (nearer the 3.5mm socket) and the longer leg goes into the hole with the circular pad (nearer the USB socket).

4. Add the front panel and secure it with the two flat head screws.

5. Double check you are happy with the placement of the brackets, switch, 3.5mm socket and LED, then solder them on the back of the PCB. Solder one leg of each item first, check everything again and then solder all remaining legs.

6. Trim the LED legs close to the back of the PCB. You may also want to trim the screw mounting brackets legs and the longer switch legs to keep the width of the module to a minimum.

7. You have now finished assembling the module. Follow the instructions in the user manual to install it into your eurorack case and install the firmware which can be found on the website page.