Voron Design

Hard Wiring Raspberry Pi USB Pads

This guide will show you how to solder to the USB pads on the Raspberry Pi. This preserves the protection of the USB circuitry.

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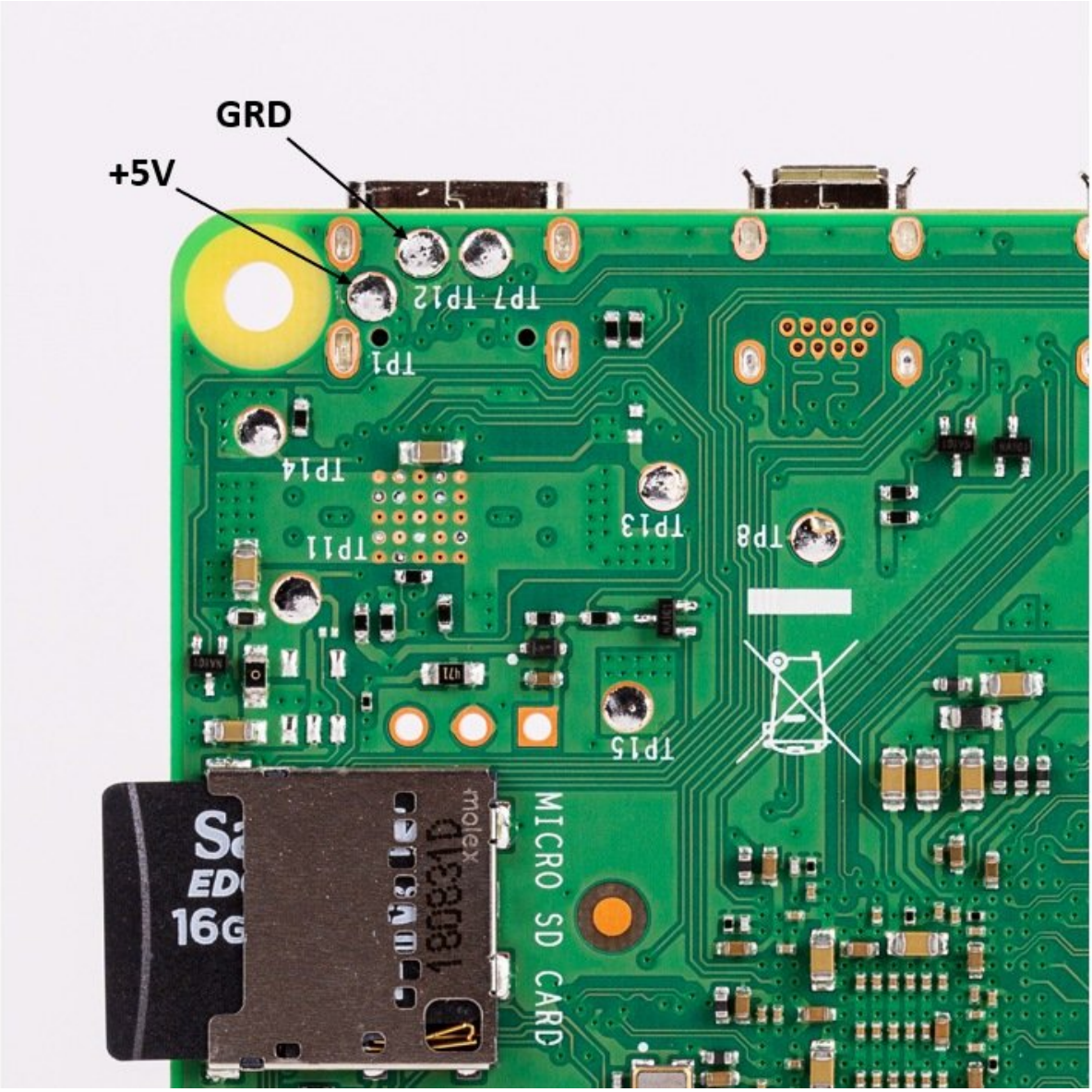


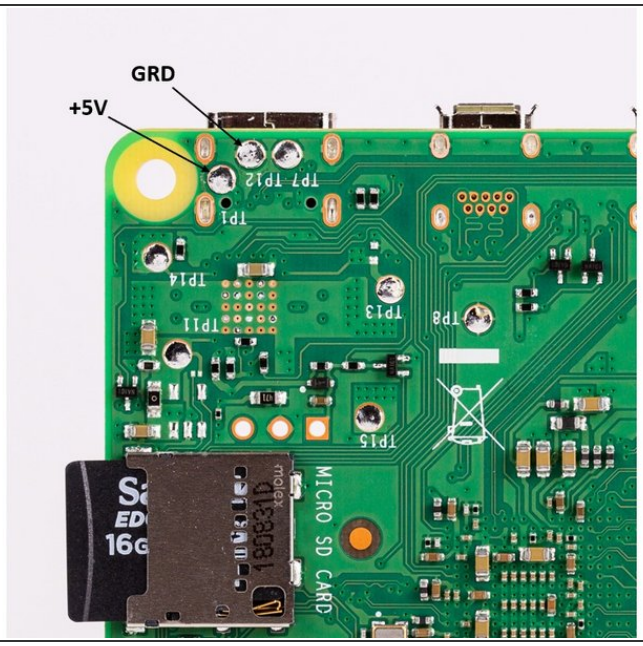
TOOLS:

- Soldering Iron (1)

PARTS:

- Solder (1)
- Kapton Tape or Similar (1)
- MicroFit Connectors (Male and Female) (1)
- Wire (24AWG from build) (1)

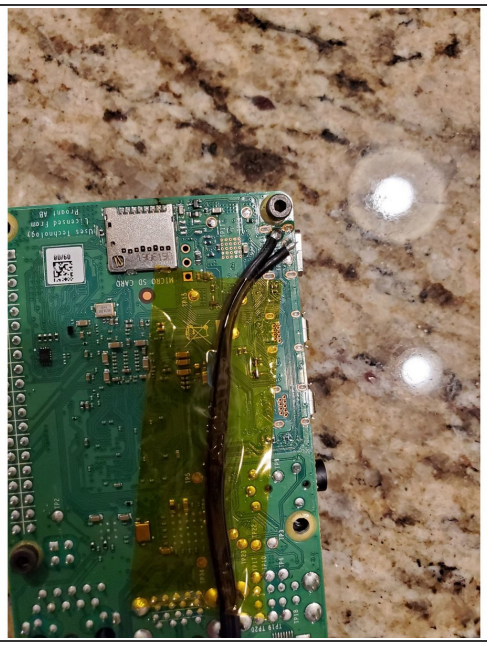
Step 1 — Hard Wiring Raspberry Pi USB Pads



The USB pads are located on the bottom of the Pi.

- +5V goes to the +V of your 5V MeanWell or Buck Converter.
- GRD goes to the -V of your 5V MeanWell or Buck Converter.

Step 2

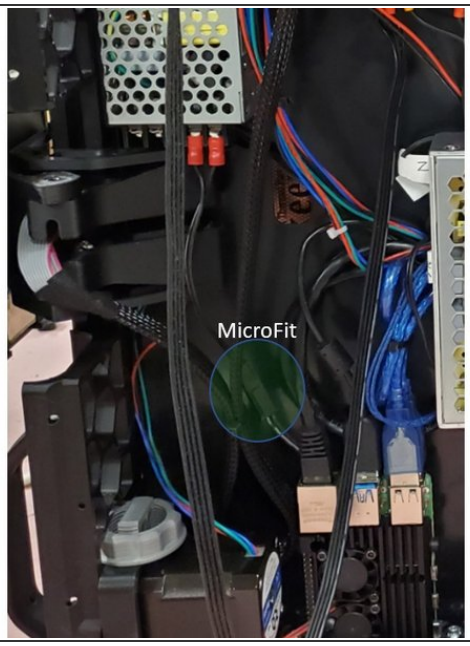


Tin your wires and solder to the pads.

Don't apply too much heat for a long period of time. If you have an old circuit board you should practice on it if you haven't attempted this type of soldering before.

Secure the wires to the board. Kapton tape works great.

Step 3



(Optional) Install a connector between the Pi and Power Supply.

Step 4

Tune the voltage of the Power Supply to between 5.1V and 5.2V.