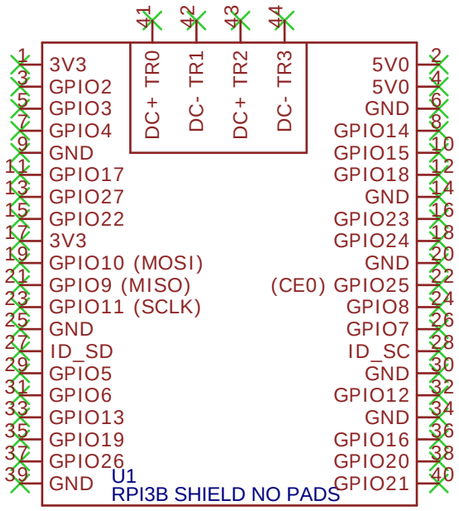
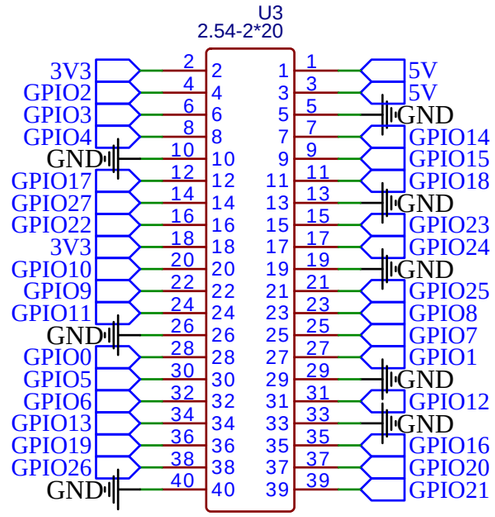
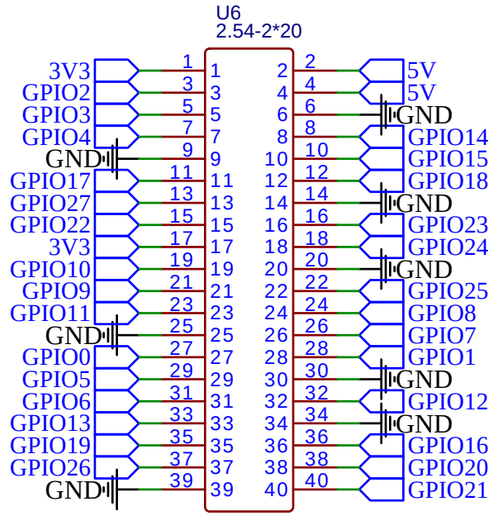
RaspBerry Pi



Bottom Header

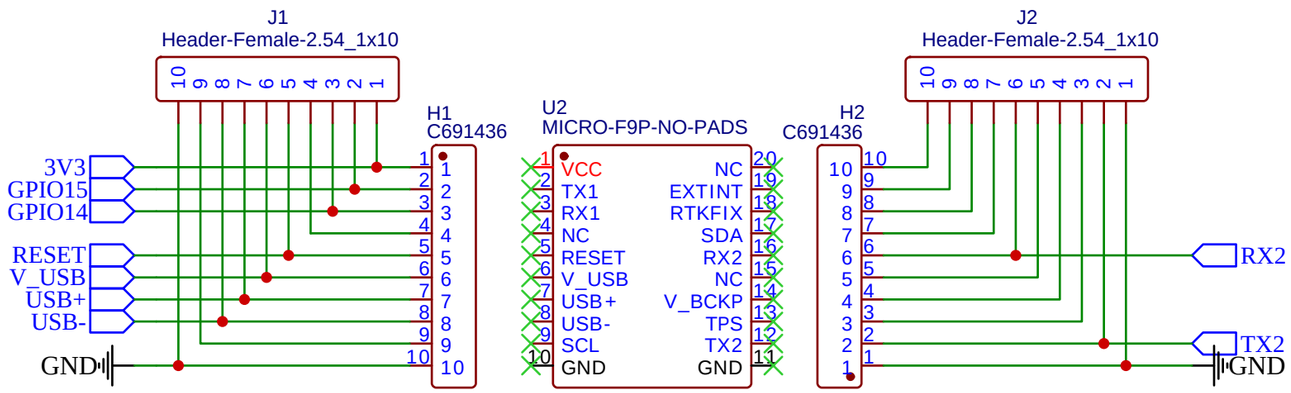


Top Header



Note: The top header is not required. It is intended for ease of modification.

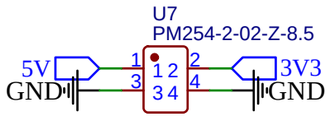
SimpleRTK2B Micro



Note:
The 0.1" headers are not required and are only intended for ease of modification/troubleshooting.

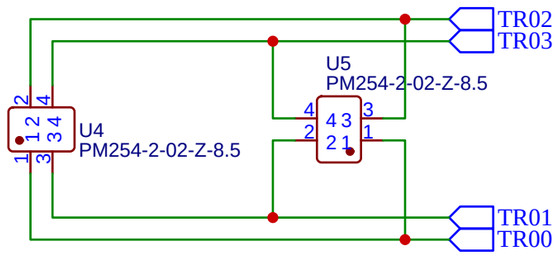
- Without soldering headers; the pads make convenient points to probe during troubleshooting.
- Soldering male headers to the bottom of the PCB allows you to seat the PCB on a breadboard.
- Soldering male or female headers to the top of the PCB allows you to connect jumper wires.
- You could solder wires to the pads.

Power Headers



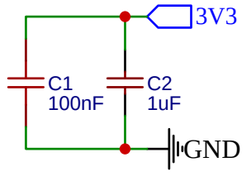
Note: Not required. Intended for ease of modification.

Pi PoE breakout headers

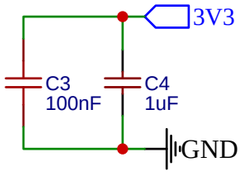


Note: Not required. Intended for ease of modification.

Decoupling Caps Through Hole

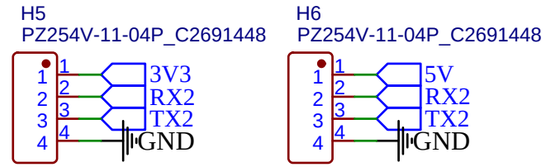


Decoupling Caps Surface Mount



Note: There are probably no decoupling capacitors required in this design. The RTKSimple Micro board appears to have a decoupling cap connected to VCC and ArduSimple says that "no external components are required." However; adding some additional decoupling caps is never a bad idea. Use either through hole or SMD, not both.

Radio Headers

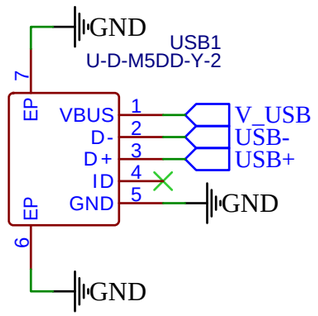


Note: If you are not planning to connect a radio you do not need these headers. You can always solder them in later.

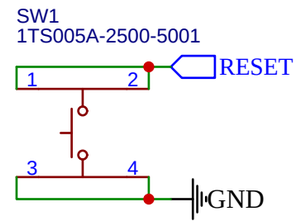
These headers are intended to allow connection of an external radio to the F9P serial 2 port.

This functionality is untested. Be wary of the Pi's limited available current.

USB Connection SimpleRTK2B Micro



Reset Button SimpleRTK2B Micro



Note: You do not need a reset button if you are able to power cycle the SimpleRTK2B Micro

TITLE: Micro F9P Pi Base		REV: 1.1
嘉立创EDA	Company: AgOpenGPS	Sheet: 1/1
	Date: 2023-01-25 Drawn By: wildbuckwheat	