To kick off the Adafruit HAT party, we have this Perma-Proto inspired plug in daughter board. It has a grid of 0.1" prototyping soldering holes for attaching chips, resistors, LED, potentiometers and more. The holes are connected underneath with traces to mimic the solderless breadboards with which you're familiar. There's also long power strips for +3V, +5V and Ground connections to the Pi. Near the top we break out nearly every pin you could want to connect to the Pi (#26 didn't quite make the cut).

This is the fancier version of our Perma-Proto HAT. It comes with a printed circuit board and a single 2x20 GPIO Header for Raspberry Pi to put your Perma-Proto on top of your Raspberry Pi (like a nice little hat...) This version comes with a blank 24C32 I2C EEPROM soldered on and connected to the EEDAT/EECLK lines so *you cannot 'stack' it with other HATs*. However, you *can program in the EEPROM to make a self-identifying setup using the Pi Foundations' HAT specs* - please note the specifications are still under development.

You can customize your Perma-Proto setup using a standard 2x20 stacking header or extra tall 2x20 stacking header. You can also swap out the 2x20 header with a slim 2x20 type if you want it to sit closer to the Pi, or an extra tall one if you want it to sit above the USB/Ethernet ports.

A bit of light soldering is required to attach the header to the PCB but it's easy work.

This hat is only compatible with the Raspberry Pi Zero, A+, B+, 2, 3, etc (any Pi with 2x20 connector)! It will not work with the Raspberry Pi Model A or B with 2x13 connectors

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TECHNICAL DETAILS

- Header Dimensions: 5mm x 51mm x 12mm / 0.2" x 2" x 0.5"
- PCB Dimensions: 66mm x 57mm x 2mm / 2.6" x 2.2" x 0.1"
- EagleCAD PCB Files available on GitHub
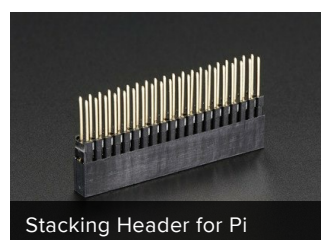- Fritzing Object available in Adafruit Fritzing Library
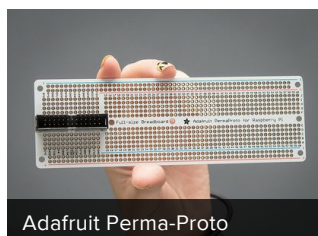

MAY WE ALSO SUGGEST...

Adafruit Perma-Proto HAT
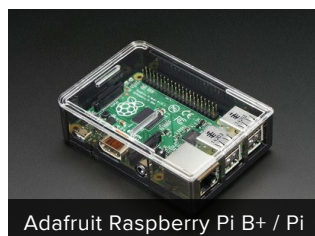

Stacking Header for Pi

Raspberry Pi 1 Model B+
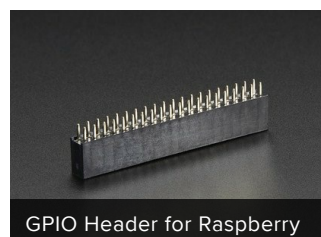

Adafruit Perma-Proto

Raspberry Pi Model A+

Adafruit Raspberry Pi B+ / Pi

Raspberry Pi Model B+

GPIO Header for Raspberry

Adafruit PiTFT 2.2" HAT Mini

Pimoroni HyperPixel - 4.0"   Adafruit Perma Proto   Raspberry Pi 2 Model B

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"Every great dream begins with a dreamer" - Harriet Tubman

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