Adafruit Perma-Proto HAT for Pi Mini Kit – With EEPROM
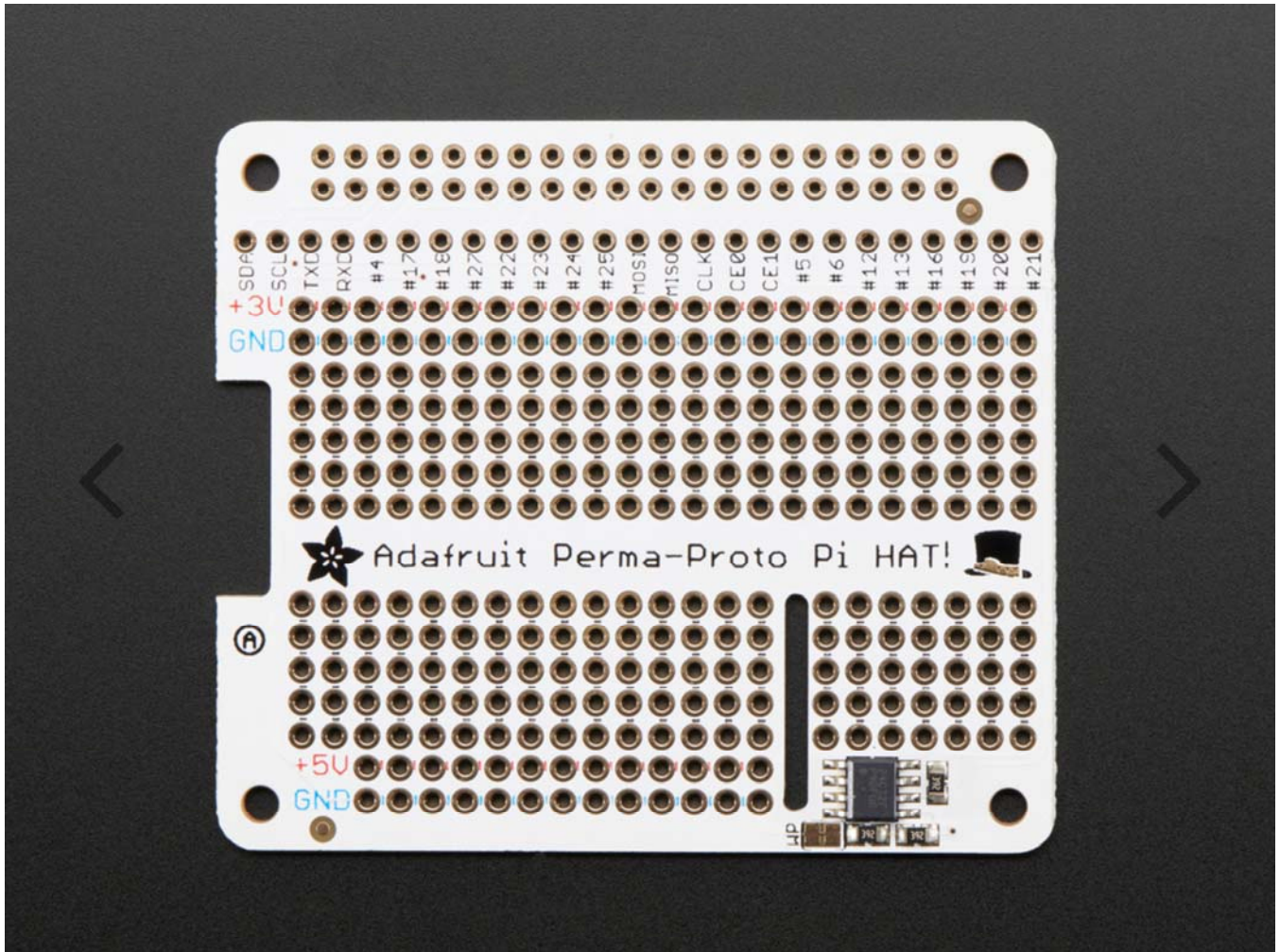
PRODUCT ID: 2314

DESCRIPTION   –

Design your own Pi HAT, attach custom circuitry and otherwise dress your Pi A+, B+, or Pi 2 with this jaunty prototyping HAT kit with EEPROM

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 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 didnt 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 A+, B+, or Pi 2! It will not work with the Raspberry Pi Model A or B.

Our initial version has the +3V and +5V markings in blue, and the GND markings in red, future orders will have these colors swapped to better match a solderless breadboard

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"