- Hook up your Pi to accept input from 5V systems (like Arduino Uno/Leonardo or 5V Trinkets). We've used a 5-channel buffer that will accept anything from 2V-5V as logic high.
- 4x powered 5v outputs (up to 500mA!)
  - The onboard darlington array can supply up to 500mA per channel (but you'll be limited to driving around 1A total from the board). Ideal for stepper motors, solenoids, and relays.
- 4x capacitive touch pads + 4x capacitive alligator clip pads
  - Four along the front edge for touch input (labelled 1, 2, 3, 4) and four up the side for attaching alligator clips to objects (such as fruit, or tin foil) for experimentation!
- 4x colored LEDs
  - Independently controllable LEDs (red, green, blue, and yellow) that make great status indicators.
- 1x mini breadboard on top

The Explorer HAT *Pro* also has a few additional features:

- 4x analog inputs
  - A tidy way to integrate analog signals into your project.
- 2x H-bridge motor drivers
  - Drive two 5V motors bidirectionally with up to 200mA per channel. Ideal with our micro-metal gear-motors to create the perfect little buggy! You can even soft-PWM for full speed control.
- A heap of useful (unprotected) 3v3 goodies from the GPIO

And head on over to Pimoroni's GitHub to find a Python library, examples, documentation, and a brief introduction to the Explorer HAT!
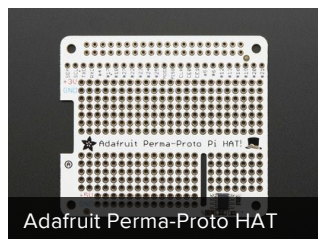
TECHNICAL DETAILS

- Dimensions (w/o mini breadboard): 65mm x 56mm x 13mm / 2.6" x 2.2" x 0.5"
- Weight (w/o mini breadboard): 17g

For product support, replacement parts and warranty for Pimoroni products visit the Pimoroni forum or contact Pimoroni directly.

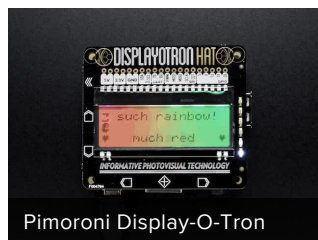## MAY WE ALSO SUGGEST...

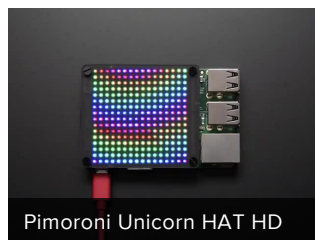Adafruit Perma-Proto HAT

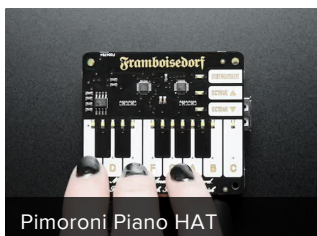Adafruit Perma-Proto HAT

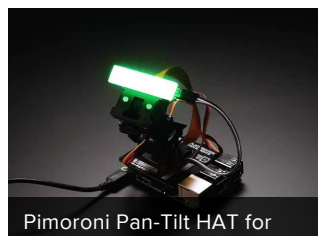Assembled Pi T-Cobbler

Pimoroni Automation HAT
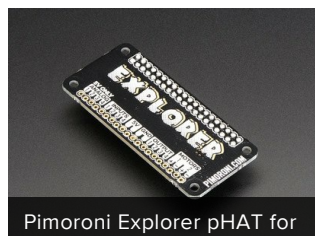

Pimoroni Display-O-Tron

Pimoroni Unicorn HAT HD

Pimoroni Piano HAT

Pimoroni Pan-Tilt HAT for

Pimoroni Explorer pHAT for

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"Being good in business is the most fascinating kind of art. Making money is art and working is art and good business is the best art." -
Andy Warhol

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