Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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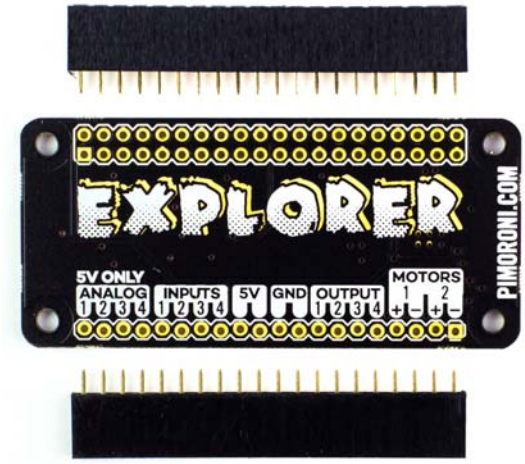
Explorer pHAT

PM137



Explorer pHAT is the perfect prototyping side-kick for your Raspberry Pi!

A more diminutive version of our popular Explorer Hat Pro, it's cheaper and designed to fit perfectly on a Raspberry Pi Zero!

We've added a heap of useful input and output options that will take your projects to the next level. Great for driving motors, using analog sensors, and interfacing with 5V systems (like Arduino).

Perfect for building a tiny robot, or use it with our Explorer HAT Pro parts kit to prototype all sorts of circuits with its LEDs, analog dials, and temperature sensor.

Features

- Four buffered 5V tolerant inputs (perfect for Arduino compatibility)
- Four powered 5V outputs (up to 500mA total across all four channels)
- Four analog inputs
- Two H-bridge motor drivers (up to 200mA per channel; soft PWM control)
- Compatible with Raspberry Pi 3, 2, B+, A+, Zero, and Zero W
- Python library
- **Female headers require soldering**

Software

Explorer pHAT uses the same easy-to-use Python library as Explorer HAT Pro, that includes a bunch of examples to demonstrate Explorer pHAT's functions.

Notes

The inputs use a 5-channel buffer that will accept anything from 2V-5V as logic high.