SparkFun Qwiic pHAT V2.0 for Raspberry Pi

DEV-15945

The SparkFun Qwiic pHAT V2.0 for Raspberry Pi provides you with the quickest and easiest way to enter into SparkFun's Qwiic ecosystem while still using that Raspberry Pi that you've come to know and love. The Qwiic pHAT connects the I²C bus (GND, 3.3V, SDA, and SCL) on your Raspberry Pi to an array of Qwiic connectors on the HAT. Since the Qwiic system allows for daisy-chaining boards with different addresses, you can stack as many sensors as you'd like to create a tower of sensing power!
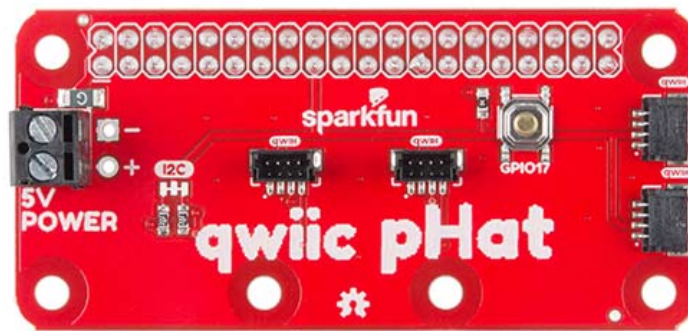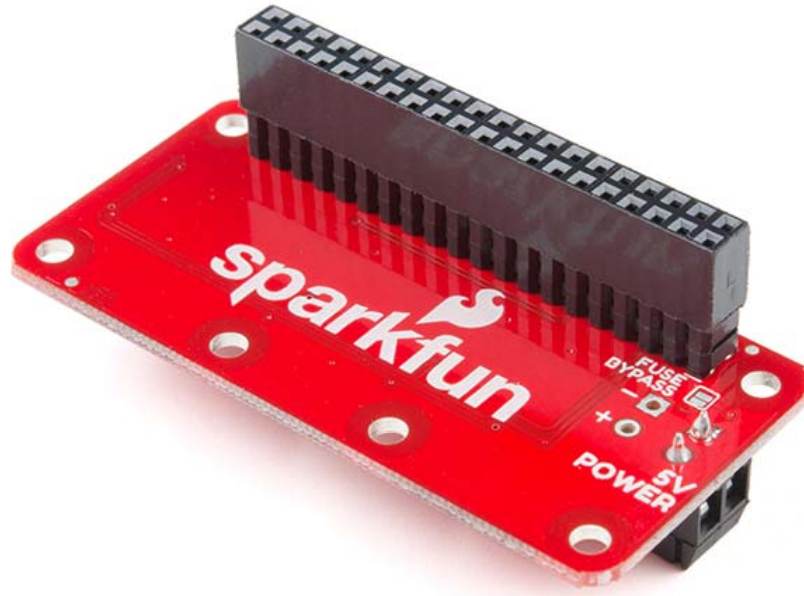
The Qwiic pHAT V2.0 has four Qwiic connect ports (two on its side and two vertical), all on the same I²C bus. We've also made sure to add a simple 5V screw terminal to power boards that may need more than 3.3V and a general-purpose button (with the option to shut down the Pi with a script). Also updated, the mounting holes found on the board are now spaced to accommodate the typical Qwiic board dimension of 1.0" x 1.0". This HAT is compatible with any Raspberry Pi that utilizes the standard 2x20 GPIO header as well as the NVIDIA Jetson Nano and Google Coral.

The SparkFun Qwiic Connect System is an ecosystem of I²C sensors, actuators, shields and cables that make prototyping faster and less prone to error. All Qwiic-enabled boards use a common 1mm pitch, 4-pin JST connector. This reduces the amount of required PCB space, and polarized connections mean you can't hook it up wrong.

Note: When placing a Raspberry Pi and the pHAT in an enclosure (like the Pi Tin), we noticed that the pHAT was not fully inserted in Pi's header pins. For a secure connection, you'll need to add a pair of 1x20 stackable headers to extend the pins to your cart.

FEATURES

- 4x Qwiic Connection Ports
- 1x 5V Tolerant Screw Terminal
- 1x General Purpose Button
- HAT-compatible 40-pin Female Header

https://www.sparkfun.com/products/15945/1-29-20