Adafruit Qwiik/STEMMA QT 5 Port Hub

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https://learn.adafruit.com/qwiik-stemma-qt-5-port-hub

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Qwiic, or STEMMA QT, is a very efficient way to quickly prototype an idea, but a lot of Qwiic/Stemma QT driver boards only have one port, and devices have two ports but that's only good for chaining. Maybe you want to reduce your I2C line capacitance by having a star formation instead of a looooong chain. Or maybe it's just easier for your mechanical layout to have them closer to a central point.

This 5-Port Passive Hub board has 5 vertical JST SH 1mm connectors in a row, all with the power, ground and SDA/SCL pins connected. There's also breadboard breakout pins if you need. Use this hub to add as many I2C devices to the bus as you need.
Complete with mounting holes so the board can be added to any system. A small power LED lets you know that the hub board has connectivity.

Please note: this is a 'passive' hub, so it isn't like you can connect 5 of the same-address-sensor-boards and have them individually work. It's only a mechanical assistant for connecting many QT/Qwiic boards together.

Simply plug and go. No soldering required, but comes with a bit of header if you prefer breadboarding.
Pinouts

Power Pins

• VIN - This is the power pin. To power the board, give it the same power as the logic level of your microcontroller - e.g. for a 3V micro like the Feather RP2040, use 3V, and for a 5V micro like Arduino, use 5V.
• GND - This is common ground for power and logic.
I2C Logic Pins

- SCL - This is the I2C clock pin. Connect it to your microcontroller's I2C clock line. Note that there is no pullup on this pin; this is simply a passthrough from a microcontroller to STEMMA QT breakout, which typically come with level shifting and pullups, if needed.
- SDA - This is the I2C data pin. Connect it to your microcontroller's I2C data line. Note that there is no pullup on this pin; this is simply a passthrough from a microcontroller to STEMMA QT breakout, which typically come with level shifting and pullups, if needed.
- STEMMA QT connectors - There are five Qwiic / STEMMA QT connectors across the center of the board. These connectors allow you to connect to development boards with STEMMA QT connectors, or to other things, with various associated accessories.

Please remember: this is a 'passive' hub. It is only a mechanical assistant for connecting many STEMMA QT / Qwiic boards together. For example, you cannot connect five of the same-address-sensor-boards and have them individually work.

on LED

- on LED - In the upper left corner, you'll find a green LED labeled on. This LED lights up to indicate the board is being powered.

Downloads

Files

- EagleCAD PCB files on GitHub
- Fritzing object in Adafruit Fritzing Library
Schematic and Fab Print