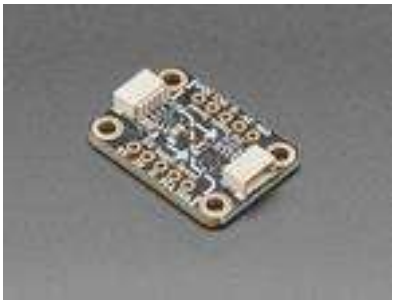
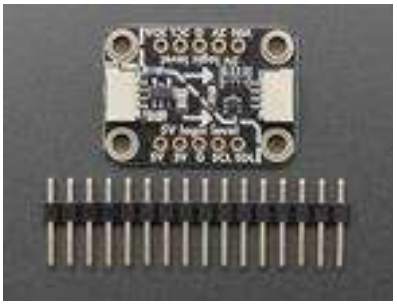
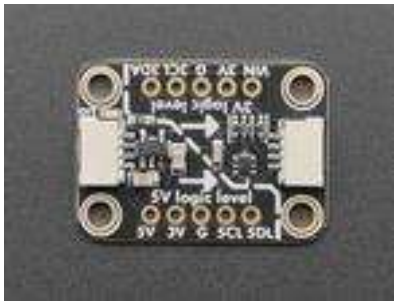
QT 5V to 3V Level Shifter Breakout - STEMMA QT / Qwiic

Product ID: 5637

Description

If you're hankerin' to use the new Qwiic / Stemma QT standard for your next project - but you're still using a classic Arduino UNO or other 5V microcontroller, this board is designed for you! Note that Adafruit QT boards are all 3V and 5V safe but many other Qwiic and other I2C devices are not 5V safe or compatible. That means that if you use wires to connect a Qwiic board to a 5V microcontroller you risk damaging your shiny new I2C sensor with over-high voltages. Unless, of course you have one of these Adafruit QT 5V to 3V Shifter Breakouts

On one side is 5V-safe power and logic input. In the middle is a 3.3V regulator that can provide 500mA plus level shifting circuitry. On the opposite side is the same I2C traffic but now safely shifted down to 3.3V to allow usage with the vast number of sensors and devices that are not 5V safe.

It's simple but very effective! You also get breadboard breakout pins for breadboard usage so it can also be used as a QT-to-perfboard adapter. If you need something that does 3V to 5V up-conversion, we have that in the shop as well.

The STEMMA QT connectors on either side are compatible with the I2C connectors. This allows you to make solderless connections between your development board and the QT Shifter or to chain it with a wide range of other sensors and accessories using a compatible cable. QT Cable is not included, but we have a variety in the shop.

YouTube Link:

https://www.youtube.com/watch?t=178&v=_s5N2a82N-I&feature=emb_imp_woyt