

Qwiic GPIO

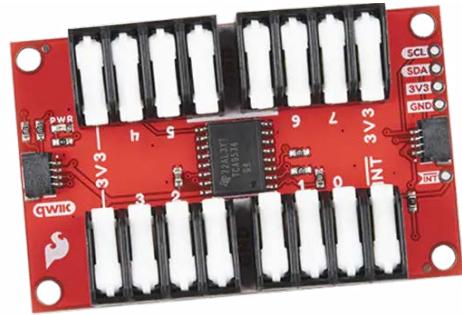
Product Overview

11-10-2021

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Sparkfun Qwiic GPIO is an I²C device based around the TCA9534 I/O expander IC from Texas Instruments. This board adds an additional eight I/O pins that users can read and write just like any other digital pin on your controller. The details of the I²C interface have been taken care of in an Arduino library so users can call functions similar to Arduino's pinMode and digitalWrite, allowing them to focus on projects.



The pins of the TCA9534 IC are broken out to easy-to-use latch terminals that removes the need for screwing wires into place. This GPIO features input polarity inversion register, open-drain active-low interrupt output, and two Qwiic connectors. The Qwiic GPIO offers the option to control each I/O pin individually or all at once.

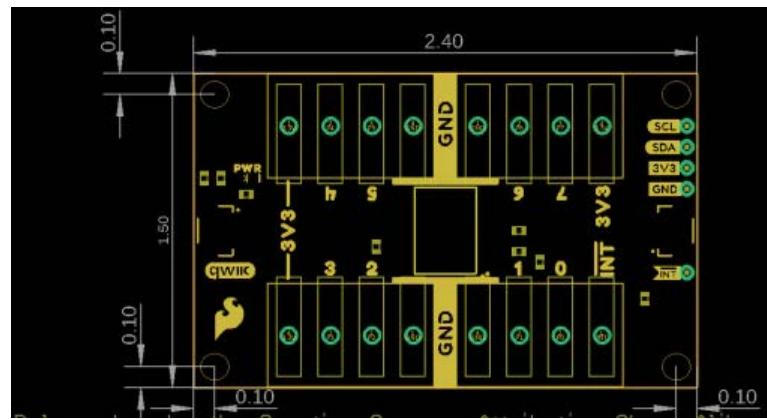
Features

- 0x27 (default) I²C address:
 - Hardware address pins allow up to eight boards on a single bus
- Based around the Texas Instruments TCA9534 I/O expander IC
- Input polarity inversion register
- Control each I/O pin individually or all at once
- Open-drain active-low interrupt output

Specifications

- Eight configurable GPIO pins available
- 2x Qwiic connectors
- 60.96mm x 38.10mm dimensions

Board Layout



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-qwiic-gpio/>