

# weather:bit - micro:bit Carrier Board (Qwiic)

DEV-15837

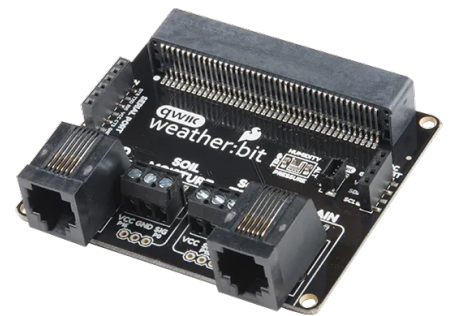
## Product Overview

12-15-2021

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

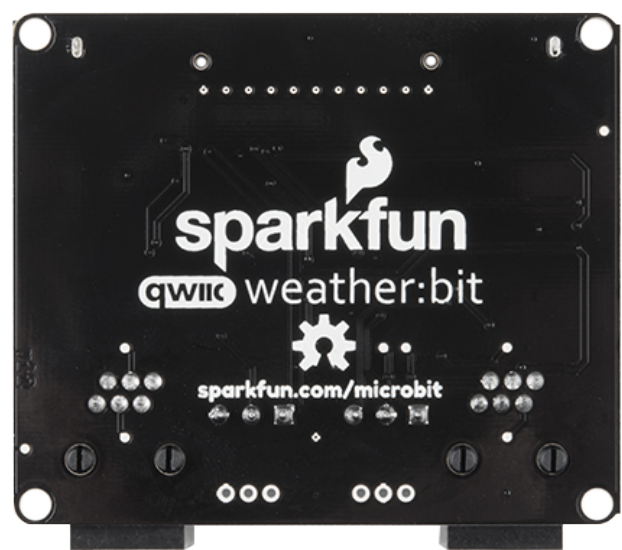
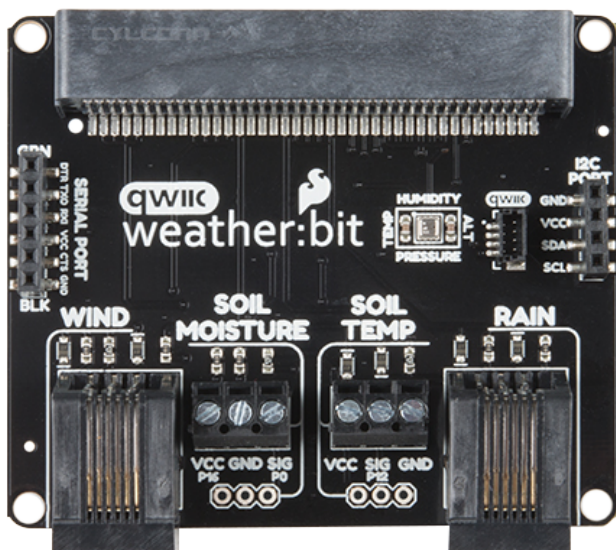
## Description

SparkFun weather:bit - micro:bit Carrier Board is a fully loaded “carrier” board for the micro:bit. When combined with the micro:bit, it provides a fully functional weather station. The carrier board allows access to barometric pressure, relative humidity, and temperature readings. There are also connections on this carrier board for optional sensors like wind speed, direction, rain gauge, and soil readings. The micro:bit has a lot of features and a lot of potential for weather data collection.



The weather:bit connects to the micro:bit via an edge connector at the top of the board, making setup easy. This creates a handy way to swap out micro:bits for programming, while still providing reliable connections to all of the different pins on the micro:bit. This board also includes serial and I<sup>2</sup>C headers on the weather:bit for optimized connectivity if you so choose.

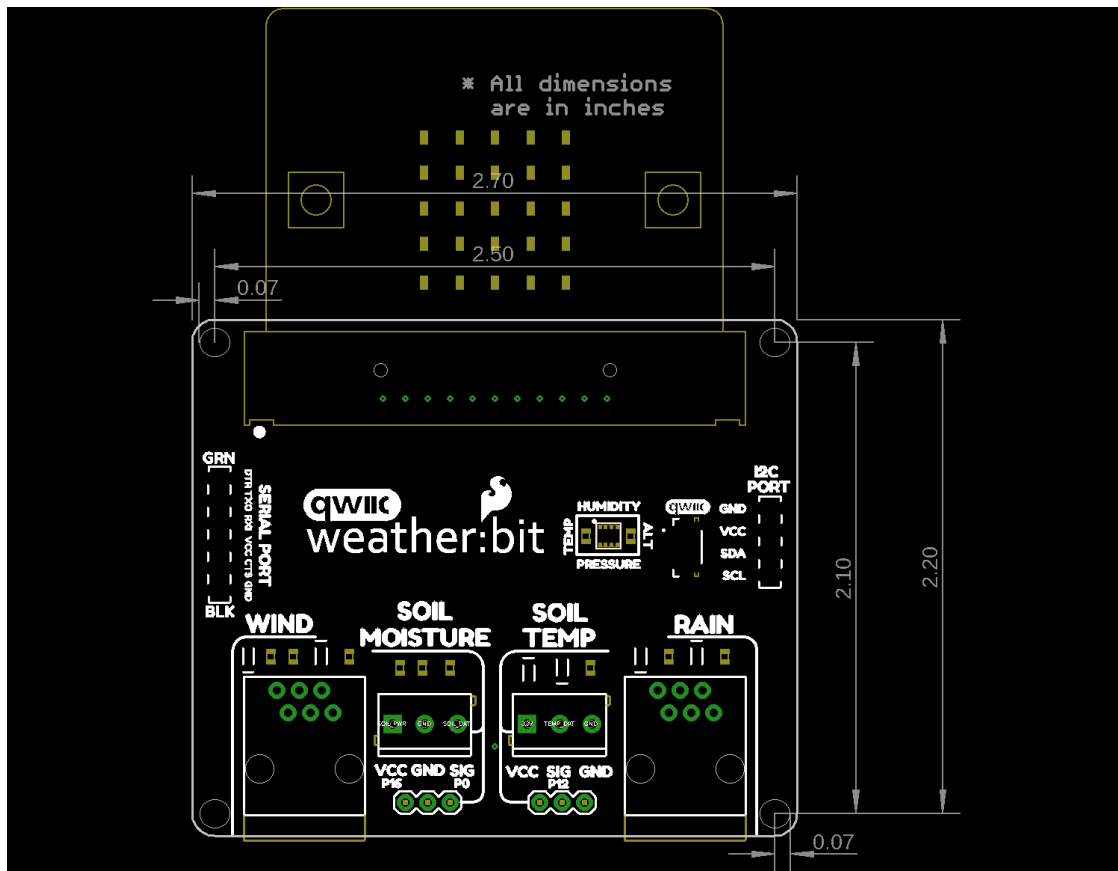
## Top & Bottom View



## Features

- Onboard temperature, humidity, and pressure sensor
- Connectors (PTH and screw terminal) for soil moisture and soil temperature
- Connectors (RJ11) for wind speed, direction and rainfall gauges
- Edge connector for easy micro:bit integration
- Vertical Qwiic connector
- Headers for Serial and I<sup>2</sup>C communication

## Board Dimensions



## Mouser Part Number

[View Part](#)

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