

Micro Absolute Digital Barometer (LPS28DFW)

SEN-21222

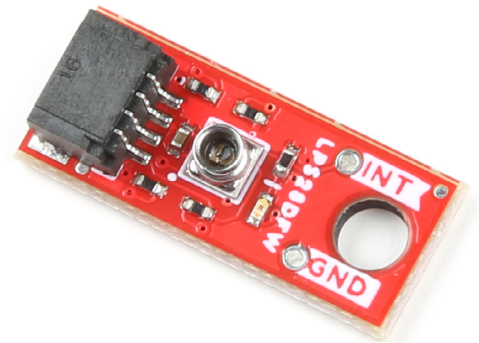
Product Overview

08-30-2024

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

Description

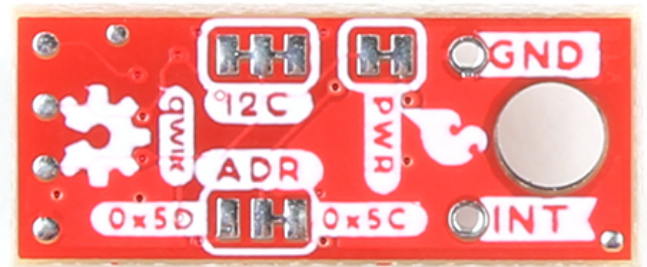
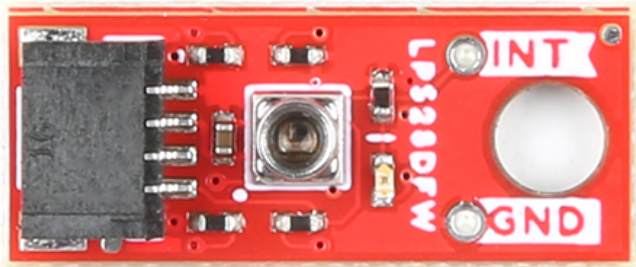
SparkFun Micro Absolute Digital Barometer (LPS28DFW) is a unique barometer breakout featuring the STMicroelectronics LPS28DFW. This barometer features a water-resistant package making it perfect for pressure measurement applications where the sensor is exposed to or even submerged in water. The LPS28DFW barometer is composed of a piezoresistive pressure to protect the sensing elements from water and other environmental hazards. The Qwiic system allows for integration into an I²C system, requiring no soldering.



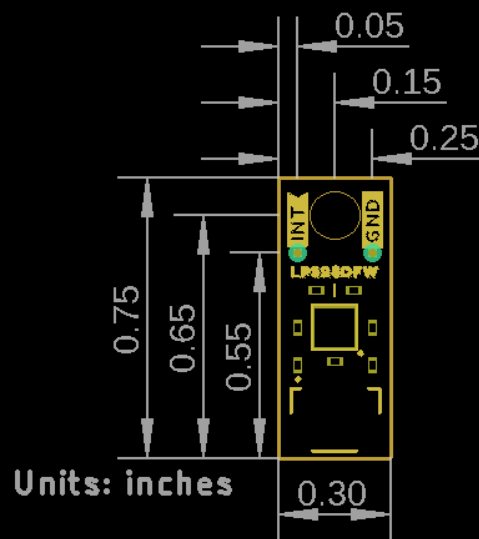
Features

- Qwiic Micro Sized Board (0.75" x 0.30"/19.05mm x 7.62mm)
- 1.7V to 3.6V supply voltage range
- Current consumption:
 - One shot mode ~1.7 μ A to 32.2 μ A
 - Continuous mode ~2.5 μ A to 783.8 μ A
- I²C interface (Qwiic-enabled)
- 0x5C (Default), 0x5D I²C addresses
- Water-resistant sensor package
- Dual pressure ranges:
 - Mode 1 260hPa to 1260hPa
 - Mode 2 260hPa to 4060hPa
- Interrupt features:
 - Data-ready
 - FIFO flags
 - Pressure threshold
- 1Hz to 200Hz output data rate range
- 1x Horizontal Qwiic Connection Port

Board Overview



Board Dimensions



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Designed by: Dryw Wade

Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-micro-absolute-digital-barometer/>