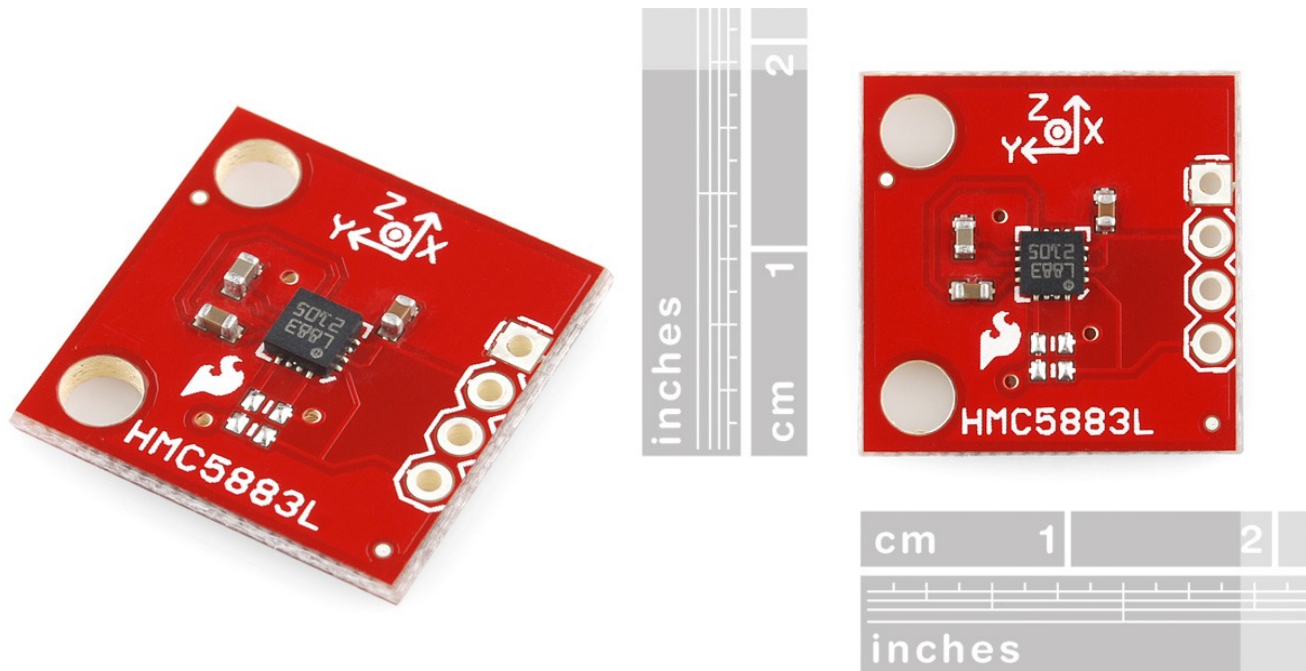


# SparkFun

## Triple Axis Magnetometer Breakout - HMC5883L (SKU: SEN-10530)



**Description:** This is a breakout board for Honeywell's HMC5883L, a 3-axis digital compass. Communication with the HMC5883L is simple and all done through an I2C interface. There is no on-board regulator, so a regulated voltage of 2.16-3.6VDC should be supplied.

The breakout board includes the HMC5883L sensor and all filtering capacitors as shown. The power and 2-wire interface pins are all broken out to a 0.1" pitch header.

### Features:

- Simple I2C interface
- 2.16-3.6VDC supply range
- Low current draw
- 5 milli-gauss resolution

**Dimensions:** 0.7x0.7" (17.78x17.78mm)

### Documents:

- [Schematic](#)
- [Eagle Files](#)
- [Datasheet](#) (HMC5883L)
- [Example code](#) (Arduino)
- [Digital Compass How-To Video](#)