



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



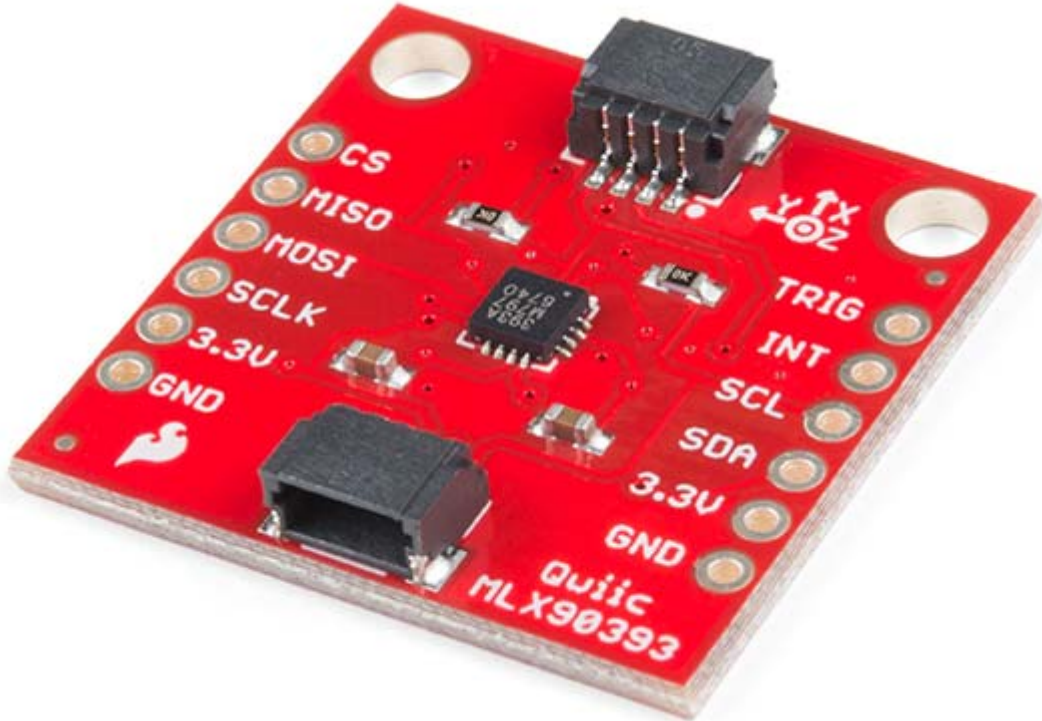
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SparkFun Triple Axis Magnetometer Breakout - MLX90393 (Qwiic)

SEN-14571 ROHS Open Source Hardware

It's time to start utilizing the superior magnetometer, and what better way than to throw it onto an easy-to-use breakout board? The SparkFun MLX90393 Magnetometer Breakout is a triple-axis magnetic sensor board capable of sensing very small fields (like the Earth's magnetic field), while still behaving as one would expect during saturation in larger fields (like a nearby magnet). The MLX90393 breakout can be used as a compass sensor but also works well as a non-contact controller, a flow meter with a magnetic impeller, or a linear actuator position sensor. To make it even easier to get your readings, all communication is enacted exclusively via I²C, utilizing our handy Qwiic system. However, we still have broken out 0.1"-spaced pins in case you prefer to use a breadboard.

The MLX90393 features a resolution rate of 0.161 μ T with an operating voltage range of 2.2V to 3.6V at 100 μ A. This breakout is also equipped with a couple of jumper pads on the back of the board, a set that allows you to change the I²C address as well as one that can put the breakout into SPI mode (if I²C isn't your cup of tea).

The SparkFun Qwiic connect system is an ecosystem of I²C sensors, actuators, shields and cables that make prototyping faster and less prone to error. All Qwiic-enabled boards use a common 1mm pitch, 4-pin JST connector. This reduces the amount of required PCB space, and polarized connections mean you can't hook it up wrong.

Features

- Operating Voltage: 2.2V-3.6V
- Current Consumption: 100μA (Typ.)
- Operating Temperature: -20°C - 85°C
- Resolution: 0.161μT
- Max Full Scale Resolution: 44,000μT
- I²C Address: 0xC0
- 2x Qwiic Connection Ports

