## QMC5883L GY-271 COMPASS







**3-Axis Magnetic Sensor QMC5883L** is a multi-chip 3-axis magnetic sensor. Targeted for high precision applications such as compassing, navigation and gaming in drone, robot, mobile and personal hand=held devices. Compatible in all gizduino boards.

## **Features:**

- 3- Axis Magneto-Resistive Sensors in a 3x3x0.8 mm<sup>3</sup> Land Grid Array Package
- Operate over an exntended temperature range of -40 degC to +85 degC.
- 16 Bit ADC with Low Noise AMR sensors
  5 Milli-Gauss Field Resolution
- Wide Magnetic Field Range (±8 Gauss)

## **General Specifications:**

Wide range operation voltage: 2.16V to 3.6V

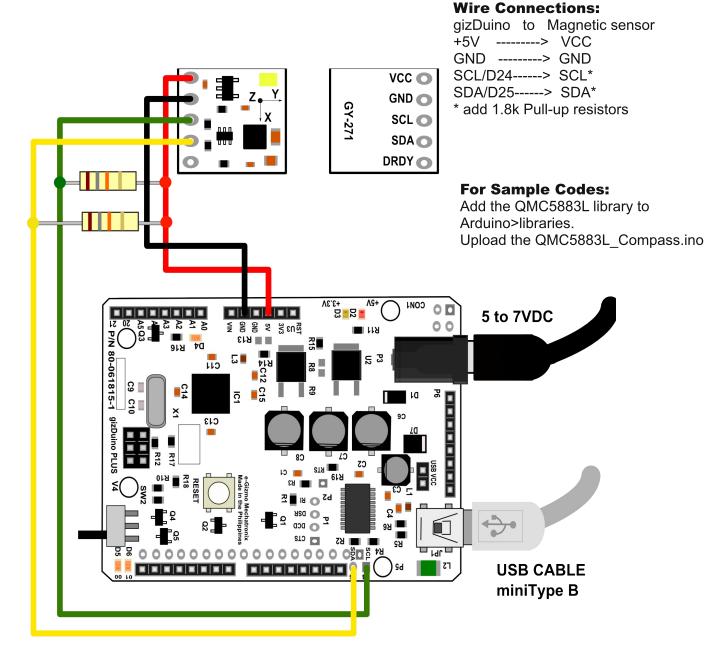
Low Power Consumption: 75uA

On Board IC: QMC5883L

Heading Accurancy: Enables 1 to 2 degrees

**Data Output rate:** Maximum 200Hz **PCB Dimension:** 14mm x 13mm





gizDuino PLUS w/ ATmega644P

Figure 1: Sample connections with gizduino PLUS