



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!



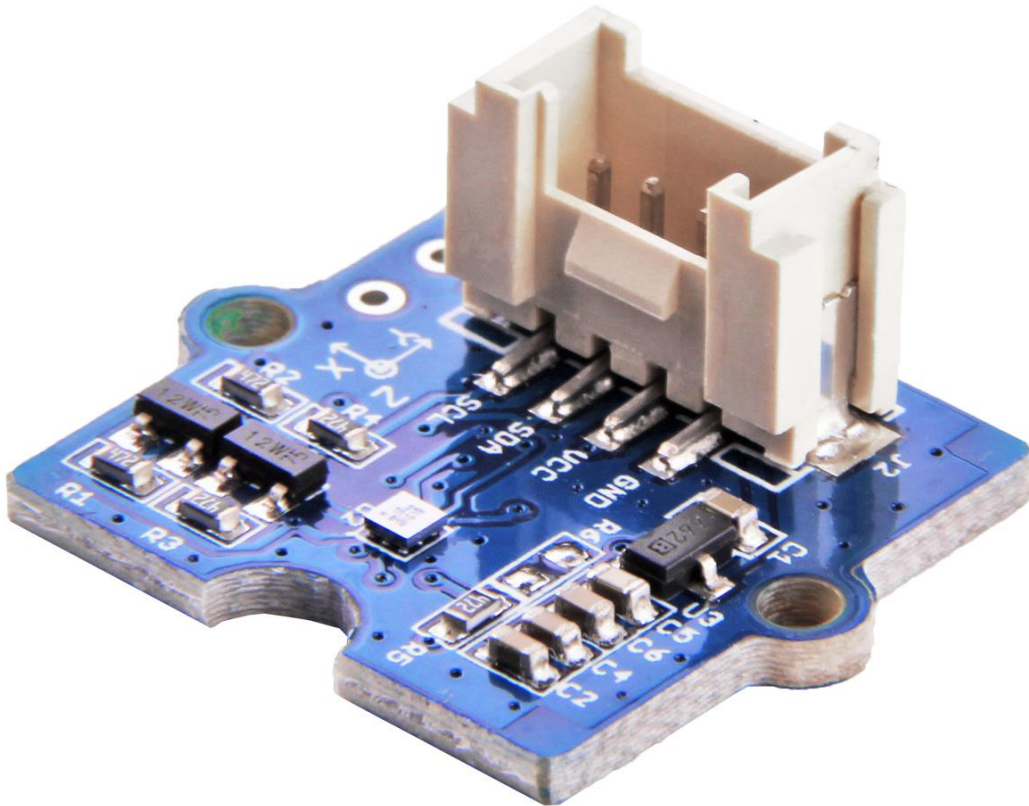
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## Grove - 3-Axis Digital Compass V2

SKU 101020492

### Description

The Grove - 3-Axis Digital Compass is a digital compass sensor based on Bosch BMM150. It allows measurement of the magnetic field in three perpendicular axes and the output can be read out over I2C and SPI interface, perfectly suitable for 3-Axis mobile applications.

This is the second generation of Grove - 3-Axis Digital Compass, comparing to the first version, this version can perfectly match the demanding requirements of all 3-Axis applications while the price is almost half of the first version, very cost effective.

## Technical Details

Dimensions	20mm x 20mm x 15mm
Weight	G.W 10g
Battery	Exclude
Working Voltage	3.3V / 5V
Magnetic field range typical	$\pm 1300\mu\text{T}$ (x, y-axis), $\pm 2500\mu\text{T}$ (z-axis)
Magnetic field resolution	0.3 $\mu\text{T}$
Interface	I2C
Working Temperature	-40°C to +85 °C

## Part List

Grove - 3-Axis Digital Compass V2	1
Grove Cable	1

## Documents

- [【Eagle File】 Grove - 3-Axis Digital Compass v2\\_Eagle File.zip](#)
- [【Datasheet】 BMM150.PDF](#)

