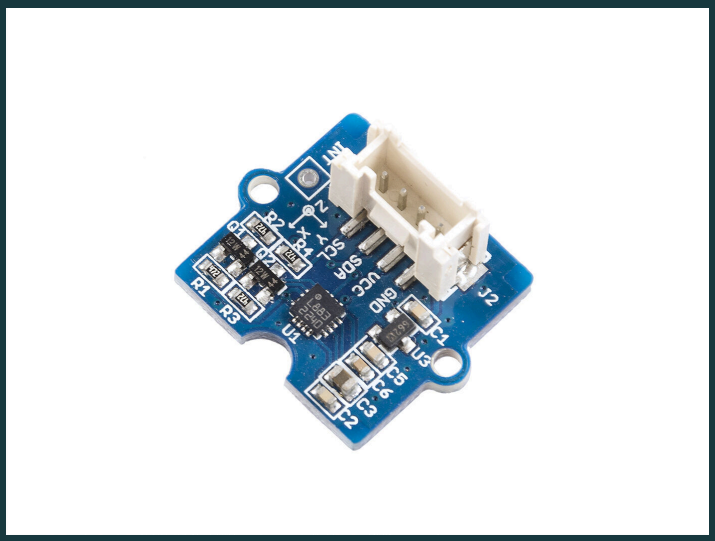
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INDUSTRIAL PRODUCT DATASHEET

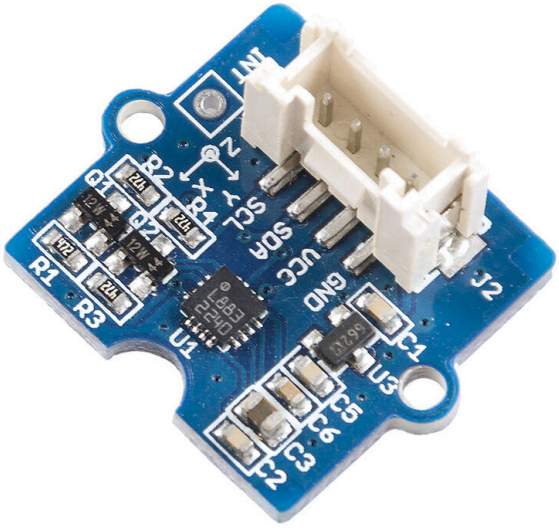
Grove - 3-Axis Digital Compass

Grove - 3-Axis Digital Compass: I²C digital compass module with 1°–2° heading accuracy.

SKU	UPDATED	PRICE
101020034	2025-09-02 07:18:18	$14.90(Excl. VAT)



Overview



Note: This product will EOL soon, please consider Grove - 3-Axis Digital Compass V2 as alternative. The Grove - 3-Axis Digital Compass features an I²C-based Honeywell HMC5883L 3-axis magneto-resistive sensor with 1° to 2° heading accuracy and up to 116 Hz output rate.

Key Features

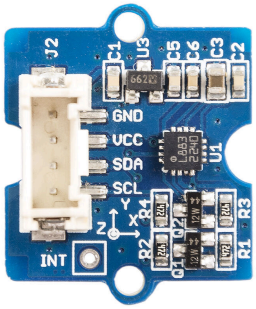
Note: This product will EOL soon, please consider **Grove - 3-Aixs Digital Compass V2** as alternative choice. Thank you!

3-Axis Compass module, a member of grove family uses I²C based Honeywell HMC5883L digital compass. This ASIC is equipped with high resolution HMC118X magneto-resistive sensors and a 12-bit ADC. It provides compass heading accuracy up to 1° to 2°. Signal conditioning like amplification, automatic degaussing strap drivers and offset cancellation are inbuilt. This grove module also includes a MIC5205-3.3 for power supply requirement. Hence user can connect any 3.3V to 6V DC power supply.

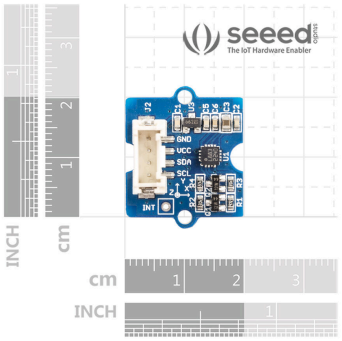
Features

- Grove compatible interface
- 3-Axis Magneto-resistive type sensors
- I²C serial interface
- 1° to 2° Degree heading accuracy
- Up to 116 Hz Maximum output rate
- Built-In self test

Product Gallery







Part List

Grove - 3-Axis Compass V1.0	1
Grove Cable	1

Compliance & Logistics



HSCODE	8538900000
USHSCODE	8538901000
UPC	841454108856
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Grove-3-Axis-Digital-Compass.html
- Grove-3-Axis Digital Compass Eagle File
- HMC5883.pdf
- Digital Compass Library

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