BMM350



UNIT BMM350 Magnetometer I3C Module

v1.0 2025-07-29 Rev. A

Professional electronic component

PRODUCT OVERVIEW

Professional electronic module designed for reliable performance and easy integration with modern development platforms.

PRODUCT VIEWS

TOP VIEW



Component placement and connectors

KEY TECHNICAL SPECIFICATIONS

CONNECTIVITY

Interfaces: I²C, SPI

Connector: Qwiic + Pin Headers

KEY FEATURES

****** High Accuracy Sensing

Precise environmental parameter measurement

\sqrt{Easy Integration

Standard interfaces and connectors

Compact Design

Space-efficient module for embedded applications

Industrial Grade

Reliable operation in demanding environments

TECHNICAL SPECIFICATIONS



FEATURE	DESCRIPTION
Sensor	BMM350 Magnetometer
Communication Protocol	I3C
Power Supply	3.3V or 5V

* TECHNICAL SPECIFICATIONS

TECHNICAL DATA
1.28 x 1.28 x 0.5 mm³ wafer level chip scale package (WLCSP)
-40 °C to 85 °C
VDDIO: 1.72 V 3.6 VVDD: 1.72 V 1.98 V
3dB BW = ODR/2 \pm 190 nTrms (x,y axis) and \pm 450 nT rms (z axis)
± -0.010 %/K
200 μA @ 100 Hz in normal mode
± 2000 μT
± 25 μT
± 1 %
I2C and I3C
± 200 nT/K
400 Hz (normal mode)

SUPPORTS

SYMBOL	1/0	DESCRIPTION
VCC	Input	
GND	GND	
IO	Bidirectional	

HARDWARE DOCUMENTATION

CIRCUIT SCHEMATIC



Complete circuit schematic showing all component connections

PIN DESCRIPTION

Detailed pin assignment and electrical specifications

FUNCTION	NOTES	
ower Supply	3.3V or 5V	
Ground	Common ground for all componer	nts
3C Data Line	Connect to I3C data line	
3C Clock Line	Connect to I3C clock line	
nterrupt	Optional, for interrupt-driven oper	ation
GROUP	AVAILABLE PINS	SUGGESTED USE
SPIO		
JART		
ouchPad		
nalog		
SPI		

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