

Three-Axis Digital Magnetometer

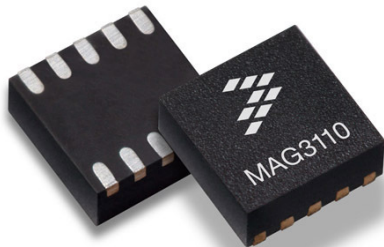
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2011.12.16

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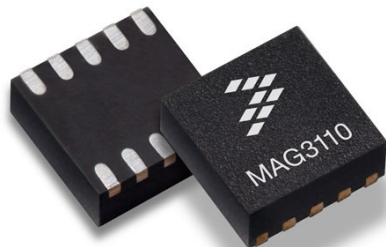
三轴地磁场传感器



Function

Function

Produce orientation independent
accurate compass heading
information



Feature

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- Small ,Low-power, Digital 3-axis magnetometer

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- Output Data Rates (ODR) up to 80 Hz

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- Sensitivity of $0.10\mu t$
- Noise down to $0.25\mu t$ rms
- I^2C digital output interface (operates up to 400 kHz Fast Mode)

More Detail...

Block Diagram

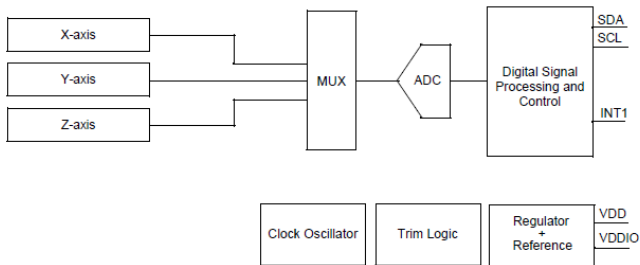
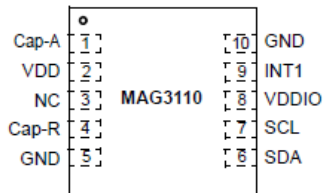


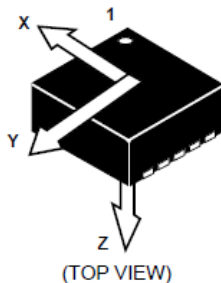
Figure 1. Block Diagram

Pin Connections

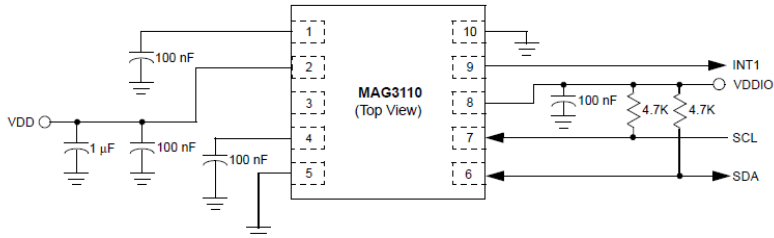


(TOP VIEW)

Measurement Coordinate System



Electrical Connection



Application

Application

Application

- Electronic Compass

Application

- Electronic Compass
- Dead-reckoning assistance for GPS backup

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- Electronic Compass
- Dead-reckoning assistance for GPS backup
- Location-based Services

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-

Demo

The End

Thanks!

SN : 1011061515