

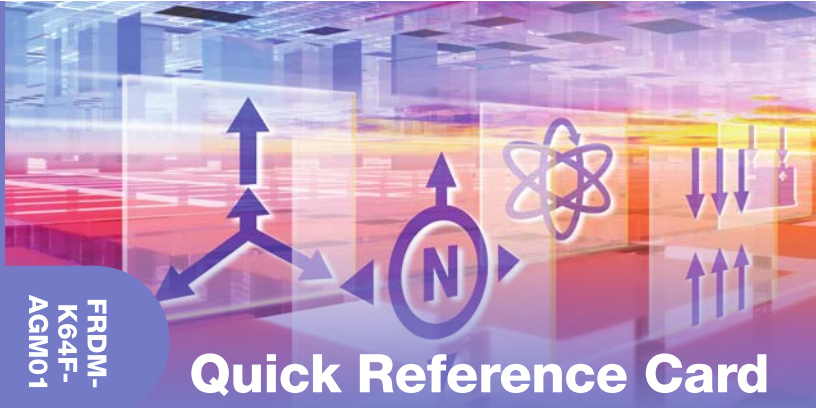
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For more information, visit [freescale.com/sensortoolbox](http://freescale.com/sensortoolbox)

FRDM-K64F-AGM01

# FRDM-K64F-AGM01



FRDM-K64F-AGM01

## Quick Reference Card

### 9-axis Sensor Toolbox Demonstration Kit

Enabled for sensor fusion with FXAS21002C 3-axis gyroscope, FXOS8700C 6-axis integrated e-compass, and Freescale Freedom FRDM-K64F development board



### Get Started

Download tools and documentation under **Jump Start Your Design** at [freescale.com/sensortoolbox](http://freescale.com/sensortoolbox)



FREESCALE FREEDOM PLATFORM

- 1 Verify package contents:
  - FRDM-K64F/FRDM-STBC-AGM01 assembly
  - USB cable
- 2 Plug one end of a USB cable into the SDA port on the assembly. Plug the other end of the cable into the USB port on the computer.
- 3 Download and install the latest Sensor Toolbox software at: [freescale.com/sensortoolbox](http://freescale.com/sensortoolbox)
- 4 Start the Sensor Toolbox software.

For more information, go to: [freescale.com/sensortoolbox](http://freescale.com/sensortoolbox)

FXOS8700C 6-axis sensor with integrated linear accelerometer and magnetometer  
16 QFN (3 mm x 3 mm x 1 mm)

INT1-8700 – 3  
INT2-8700 – 5  
INT1-21002 – 6  
SA-21002 – 7  
SPI-CSB-21002 – 8  
INT2-21002 – 1

GND – 7  
I2C\_SDA0 – 9  
I2C\_SCL0 – 10



1 – I2C-SCL1  
2 – I2C-SDA1  
4 – SA1-8700  
5 – SA0-8700

2 – GND  
3 – GND  
5 – VDD  
6 – RST-MCU  
7 – VDD

FXAS21002C 3-axis digital angular rate gyroscope  
24 QFN (4 mm x 4 mm x 1 mm)

Get to Know the FRDM-K64F-AGM01



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