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# FRDM-K64F-AGM01

**FRDM-K64F-AGM01**



**Get Started**  
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## 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



FREESCALE FREEDOM PLATFORM

- 1** Verify package contents:
    - FRDM-K64F/FRDM-STBC-AGM01 assembly
    - USB cable
  - 2** Download the mbed Windows serial port driver:  
[developer.mbed.org/handbook/Windows-serial-configuration](http://developer.mbed.org/handbook/Windows-serial-configuration)
  - 3** 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.
  - 4** Download and install the latest Sensor Toolbox software at:  
[freescale.com/sensortoolbox](http://freescale.com/sensortoolbox)
  - 5** 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 1.2 mm)

**INT1-8700 - 3**  
**INT2-8700 - 5**  
**INT1-21002 - 6**

**INT2-21002 - 1**

**SPI-CSB-21002 - 3**  
SPI-MOSI - 4  
SA0-MISO - 5  
SPI-SCLK - 6  
GND - 7

**I2C\_SDA0 - 9**  
**I2C\_SCL0 - 10**

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

**6 - I2C-SCL1**  
**5 - I2C-SDA1**  
**4 - RST-GPIO**  
**3 - SPI-CSB-8700**

**7 - GND**  
**6 - GND**

**4 - VDD**  
**3 - RST-MCU**  
**2 - VDD**

Test points (18 places)

Get to Know the FRDM-K64F-AGM01



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