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**FRDM-STBC-AGM01**

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## Quick Reference Card

### 9-axis Sensor Toolbox Development Board

Enabled for sensor fusion with FXAS21002C 3-axis gyroscope and FXOS8700C 6-axis integrated e-compass, as part of the Freescale Freedom development platform



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-STBC-AGM01 development board
- 2 Connect the FRDM-STBC-AGM01 development board to a Freescale Freedom development board, such as the FRDM-K64F (or any Arduino R3 compatible board). Refer to the Freescale Freedom development board Quick Start Guide for driver information.
- 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)

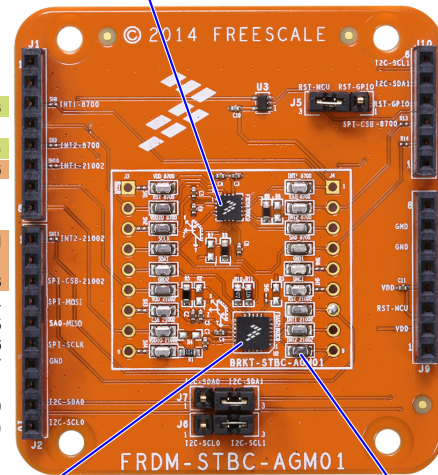
FXOS8700C 6-axis sensor with integrated linear accelerometer and magnetometer  
16 QFN (3 mm x 3 mm x 1.2 mm)

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-STBC-AGM01



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