

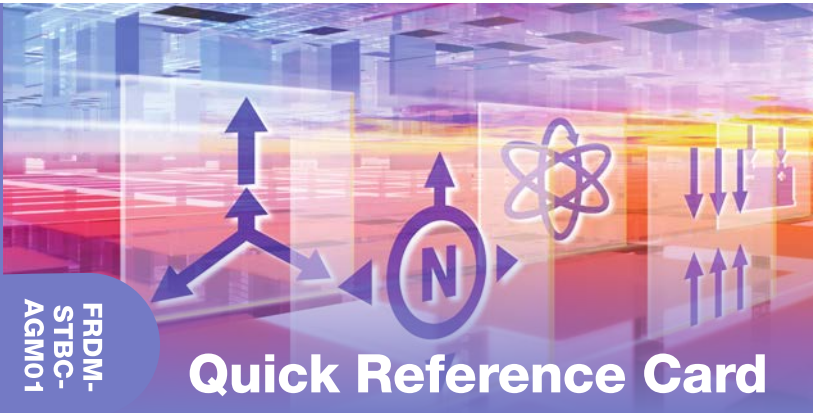
Freescale and the Freescale logo are trademarks of Freescale Semiconductor, Inc., Reg. U.S. Pat. & Tm. Off. All other product or service names are the property of their respective owners. © 2015 Freescale Semiconductor, Inc. FRDMSTBCAGM01ORC REV 1 920-75783 REV A

freescale
For more information,
visit freescale.com/sensortoolbox

FRDM-STBC-AGM01

FRDM-STBC-AGM01

FRDM-STBC-AGM01



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



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).
- 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
- 5 Start the Sensor Toolbox software.

For more information, go to: freescale.com/sensortoolbox

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

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

Pin Headers:

- 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

Get to Know the FRDM-STBC-AGM01



Learn more at freescale.com/sensortoolbox