LFSTBEB8491 Quick Start Guide

The MMA8491Q Xtrinsic low-power, 45 degree tilt sensor enables smart meters, home appliances and asset tracking applications through integrated auto-on/auto-sleep energy-efficient operation housed in a specialized industrial package.

1 Unpack the Board

- Unpack the board. Verify package contents according to the kit website: **freescale.com/sensortoolbox**.
- Assemble the hardware by connecting a development board to the LFSTBUSB interface board. This kit comes with one accelerometer development board that represents the MMA8491Q accelerometer. The development board can be connected to the LFSTBUSB interface board. Both of these board types have a small arrow to indicate where to connect (see image above). More information can be found at **freescale.com/sensortoolbox**.
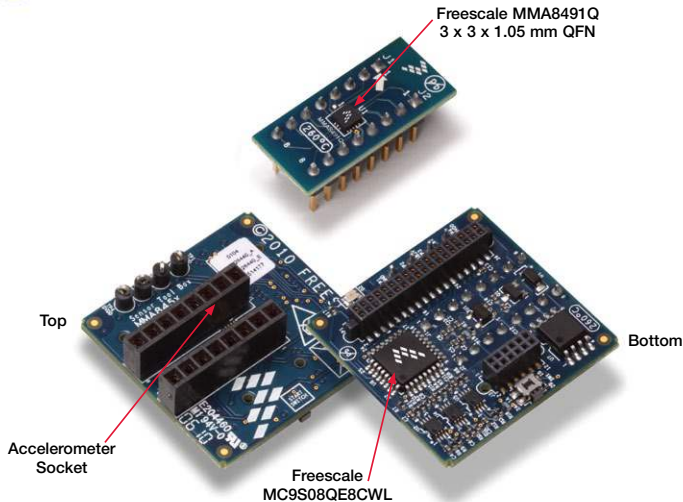
2 Download Latest Software

- Download the latest version at **freescale.com/sensortoolbox**.
- This Sensor Toolbox kit uses the general Sensor Toolbox communication driver. The installation only needs to be done once. Follow the on-screen instructions to install the communication driver for the tool.
- This Sensor Toolbox uses a specific device driver and is factory programmed out of the box. It can also be found at **freescale.com** (search for AN4296_SW).

3 Power Up

- Plug in the USB and turn the board on using the power switch, located on the USB board.
- Follow AN4296 chapter 5 to run the HyperTerminal program to interact with the LFSTBEB8491 kit.

freescale
Xtrinsic

Freescale MMA8491Q
3 x 3 x 1.05 mm QFN

Top

Bottom

Accelerometer
Socket

Freescale
MC9S08QE8CWL

Learn more at freescale.com/sensortoolbox