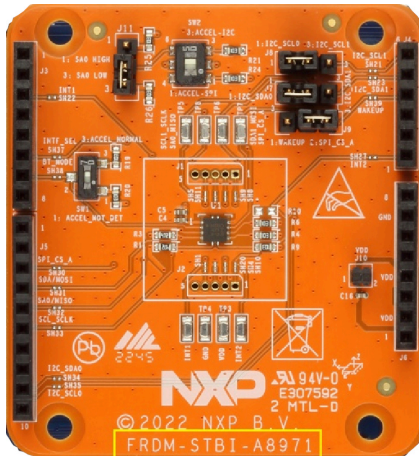


FRDM-STBI-A8971 sensor toolbox development board



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Features

- Sensor evaluation board for FXLS8971CF 3-axis accelerometer designed for use in a wide range of industrial and medical IOT applications that require better offset and sensitivity stability over temperature. Offered as sensor kit with LPC55S16-EVK or FRDM-K22F
- Enables quick sensor evaluation and helps accelerate quick prototyping and development using FXLS8971CF 3-axis accelerometer
- Compatible with Arduino® and most NXP Freedom development boards
- Supports I²C and SPI communication interface with host MCU
- Supports hardware configurability to switch between accelerometer mode (normal vs. motion detect) and I²C/SPI interface mode
- Supports multiple test points on shield board

Description

The **FRDM-STBI-A8971** is a sensor add-on/expansion shield board for FXLS8971CF 3-axis low-power accelerometer with excellent offset and sensitivity stability over temperature.

The **FRDM-STBI-A8971** sensor shield board is kitted with a LPC55S16-EVK or FRDM-K22F MCU board to enable quick customer evaluation of FXLS8971CF using sensor toolbox enablement SW and tools.

Revision history

Table 1. Document revision history

Date	Revision	Changes
23-Jan-2026	1	Initial release.

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