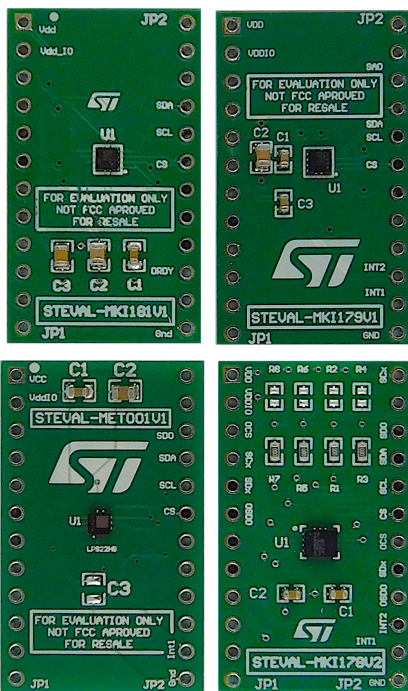


MEMS sensor sample kit



Features

- [STEVAL-MKI179V1](#) adapter board for [LIS2DW12](#):
 - 3-axis MEMS accelerometer, ultra low power, configurable single/double-tap recognition, free-fall, wakeup, portrait/landscape, 6D/4D orientation detection
- [STEVAL-MKI178V2](#) adapter board for [LSM6DSL](#):
 - iNEMO inertial module, 3-axis accelerometer, 3-axis gyroscope, always-on, smart FIFO buffer, free-fall, wakeup, 6D/4D orientation, I2C, SPI
- [STEVAL-MKI181V1](#) adapter board for [LIS2MDL](#):
 - digital 3-axis magnetometer
- [STEVAL-MET001V1](#) adapter board for [LPS22HB](#):
 - Magnetic sensor, digital output, 50 gauss magnetic field dynamic range, ultra-low power high performance 3-axis magnetometer

Description

The STEVAL-MKIT01V1 is a MEMS sensor sample kit containing four sensor adapter boards that can be evaluated in standalone mode by simply connecting an I²C cable.

The [STEVAL-MKI109V3](#) evaluation board, based on the [STM32F401VET6](#) microcontroller, can be used for a more in-depth evaluation, as a bridge between the sensor adapter boards and a PC running STMicroelectronics graphical user interface (GUI) or an X-NUCLEO expansion board.

Product summary	
LIS2DW12 adapter board for a standard DIL 24 socket	STEVAL-MKI179V1
LSM6DSL adapter board for a standard DIL24 socket	STEVAL-MKI178V2
LIS2MDL adapter board for a standard DIL24 socket	STEVAL-MKI181V1
LPS22HB adapter board for a standard DIL 24 socket	STEVAL-MET001V1

Revision history

Table 1. Document revision history

Date	Version	Changes
11-Apr-2018	1	Initial release.
13-Sep-2019	2	Minor text edits.

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