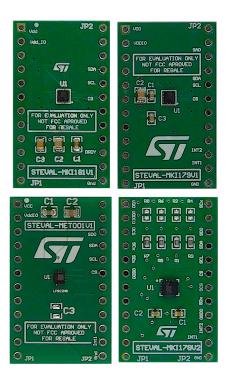## MEMS sensor sample kit

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

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For further information contact your local STMicroelectronics sales office.

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Revision history

Table 1. Document revision history

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