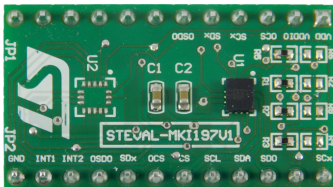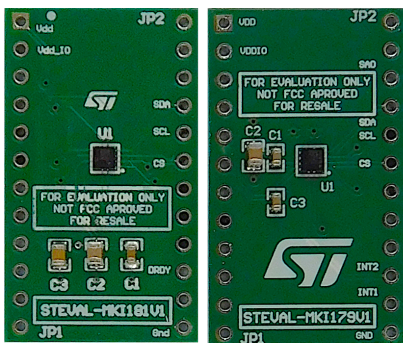# MEMS sensor sample kit

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-MKI197V1** adapter board for **LSM6DSOX**:
  - iNEMO 6DoF inertial module
- **STEVAL-MKI181V1** adapter board for **LIS2MDL**:
  - digital 3-axis magnetometer
- **STEVAL-MIC004V1** coupon board for **MP23ABS1**:
  - MEMS analog bottom-port microphone

Description

The STEVAL-MKIT01V2 is a MEMS sensor sample kit containing four sensor adapter boards that can be evaluated in standalone mode by simply connecting an I²C cable and an analog cable for the microphone.

The STEVAL-MKIxxxV1 evaluation boards can be plugged into a standard DIL 24 socket and can be used together with the STEVAL-MKI109V3 mother board, based on the STM32F401VET6 microcontroller, for a more in-depth evaluation.

The STEVAL-MIC004V1 is a daughter board containing 4 coupon boards with MP23ABS1 microphones. This board can be plugged onto an X-NUCLEO-AMICAM1 expansion board.

Product summary	
LIS2DW12 adapter board for a standard DIL 24 socket	STEVAL-MKI179V1
LSM6DSOX adapter board for a standard DIL24 socket	STEVAL-MKI197V1
LIS2MDL adapter board for a standard DIL24 socket	STEVAL-MKI181V1
Microphone coupon board based on the MP23ABS1 analog MEMS microphone	STEVAL-MIC004V1
Applications	Audio and Video

DB4165 - Rev 1 - March 2020
For further information contact your local STMicroelectronics sales office.

www.st.com

Revision history

Table 1. Document revision history

Date	Version	Changes
05-Mar-2020	1	Initial release.

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