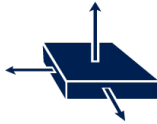
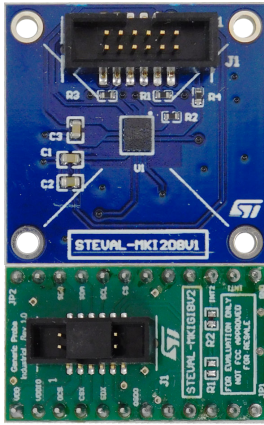


3-axis digital vibration sensor evaluation kit based on IIS3DWB



Features

- User-friendly IIS3DWB board
- Complete IIS3DWB pinout for a standard DIL24 socket
- Fully compatible with the STEVAL-MKI109V3 and STEVAL-MKI109D development platforms
- Double-sided adhesives included for easy mounting on equipment used in vibration analysis
- RoHS and WEEE compliant

Description

The STEVAL-MKI208V1K evaluation board, which has an embedded IIS3DWB 3-axis vibration sensor, is connected using a cable to a simple adapter board (STEVAL-MKIGIBV2).

The sensor is soldered precisely in the center of the board and double-sided adhesives are provided to allow users to conveniently mount the board on equipment used in vibration analysis. Alternatively, you can mount the board using the holes located in each corner of the PCB.

The STEVAL-MKIGIBV2 can be plugged into a standard DIL24 socket. The kit provides the complete IIS3DWB pinout and comes ready to use with the required decoupling capacitors on the VDD power supply line.

This adapter is supported by the STEVAL-MKI109V3 and STEVAL-MKI109D development platforms that include a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use the MEMS Studio downloadable graphical user interface or dedicated software routines for customized applications.

| Product summary | |
|--|---|
| 3-axis digital vibration sensor kit based on IIS3DWB | STEVAL-MKI208V1K |
| Ultrawide bandwidth, low-noise, 3-axis digital vibration sensor | IIS3DWB |
| Professional MEMS tool: ST MEMS adapters motherboard based on the STM32F401VE and compatible with all ST MEMS adapters | STEVAL-MKI109V3 |
| Professional MEMS tool: evaluation board for all ST MEMS sensors | STEVAL-MKI109D |
| Applications | Condition monitoring / predictive maintenance |

Revision history

Table 1. Document revision history

| Date | Version | Changes |
|-------------|---------|--|
| 10-Dec-2019 | 1 | Initial release |
| 11-Mar-2020 | 2 | Updated description |
| 05-Nov-2020 | 3 | Updated title |
| 18-Oct-2024 | 4 | Updated Description to include STEVAL-MKI109D development platform and MEMS Studio software solution Updated product summary Minor textual updates |

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