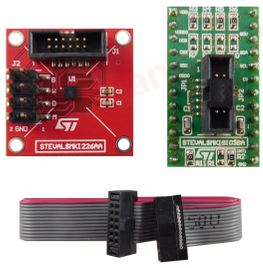
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STEVAL-MKI226KA

Data brief

3-axis digital accelerometer sensor kit based on AIS25BA



Features

- User-friendly AIS25BA evaluation kit
- Complete AIS25BA pinout for a standard DIL 24 socket
- Fully compatible with the STEVAL-MKI109V3 motherboard
- RoHS compliant

Description

The STEVAL-MKI226KA evaluation kit is based on the AIS25BA 3-axis digital accelerometer. The kit is connected to a generic adapter board (STEVAL-MKIGI03B) through a flat cable, to make it compatible with the STEVAL-MKI109V3.

The sensing board can be directly attached to the system to be measured through the provided adhesive.

The AIS25BA is soldered exactly in the center of the board.

The STEVAL-MKIGI03B can be plugged into a standard DIL 24 socket. The kit provides the complete AIS25BA pinout and comes ready-to-use with the required decoupling capacitors on the VDD power supply line.

The STEVAL-MKI109V3 motherboard supports this adapter. The motherboard includes a high performance 32-bit microcontroller functioning as a bridge between the sensor and a PC.

It is possible to use the downloadable graphical user interface (Unico-GUI) or dedicated software routines for customized applications.

The adapter board can be also plugged into the X-NUCLEO-IKS01A2, X-NUCLEO-IKS01A3, and X-NUCLEO-IKS02A1 expansion boards.

Product summary	
3-axis digital accelerometer sensor kit based on AIS25BA	STEVAL-MKI226KA
Low-noise, high bandwith, 3-axis accelerometer with TDM interface	AIS25BATR
MEMS adapter motherboard based on the STM32F401VE	STEVAL-MKI109V3
Motion MEMS and microphone MEMS expansion board for STM32 Nucleo	X-NUCLEO-IKS02A1
Applications	Sensing

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1 Schematic diagrams

Figure 1. **STEVAL-MKIGI03B circuit schematic**

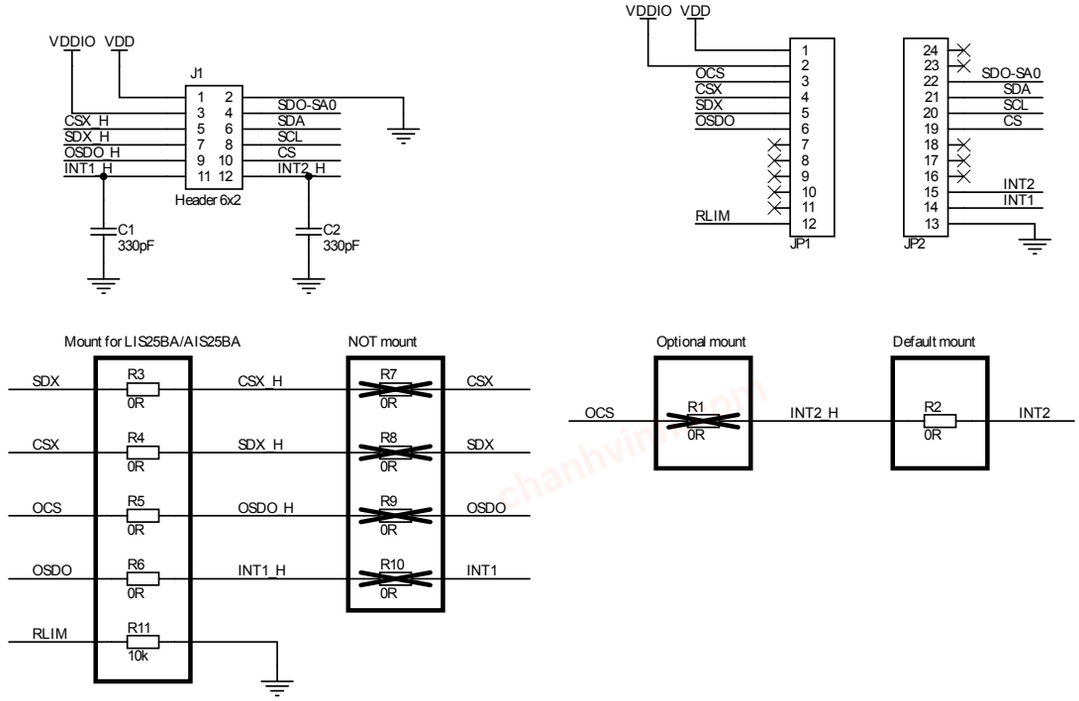
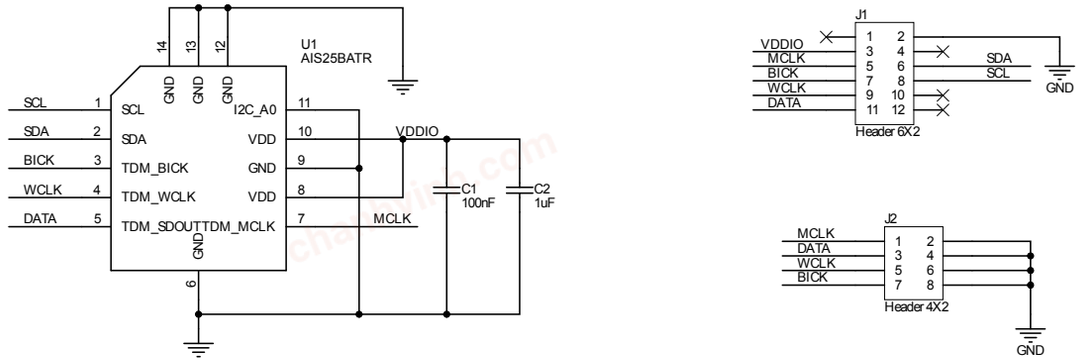


Figure 2. **STEVAL-MKI226A circuit schematic**



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2 Kit versions

Table 1. STEVAL-MKI226KA versions

Finished good	Schematic diagrams	Bill of materials
STEVAL$MKI226KAA (1)	STEVAL$MKI226KAA schematic diagrams	STEVAL$MKI226KAA bill of materials

1. *This code identifies the STEVAL-MKI226KA evaluation kit first version.*

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Revision history

Table 2. **Document revision history**

Date	Revision	Changes
13-Sep-2022	1	Initial release.

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