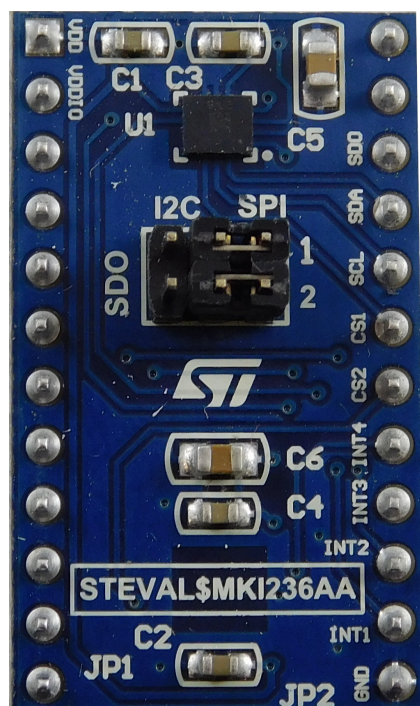## 2xASM330LHB adapter board for a standard DIL24 socket

Features

- Complete ASM330LHB pinout for a standard DIL 24 socket
- Fully compatible with the STEVAL-MKI109V3 motherboard
- RoHS compliant

Description

The STEVAL-MKI236A is an adapter board designed to facilitate the evaluation of the ASM330LHB in the MEMS and sensors product portfolio. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

The STEVAL-MKI236A can be plugged into a standard DIL24 socket. The adapter provides the complete ASM330LHB pinout and comes ready-to-use with the required decoupling capacitors on the VDD and VDDIO power supply lines.

This adapter is supported by the STEVAL-MKI109V3 motherboard, which includes a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC.
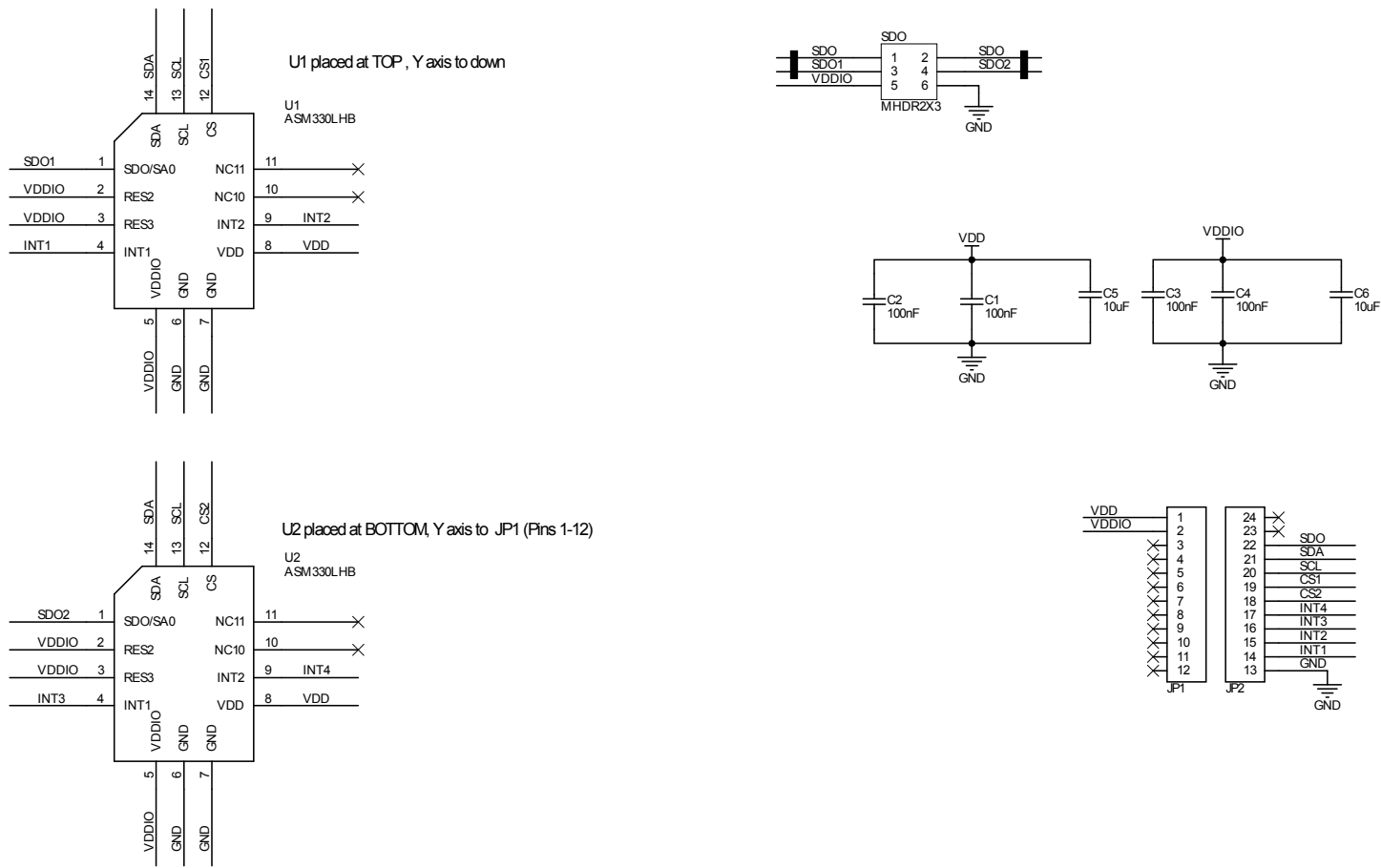
MEMS-Studio is a complete software solution for the evaluation and programming of all MEMS sensors and it is available for Linux, macOS, and Windows operating systems.

You can also use the downloadable graphical user interface (Unico-GUI) or dedicated software routines for customized applications.

Product summary	
2xASM330LHB adapter board for a standard DIL24 socket	STEVAL-MKI236A
High-accuracy 6-axis inertial measurement unit (IMU) for ASIL B automotive applications	ASM330LHB
Professional MEMS tool: ST MEMS adapters motherboard based on the STM32F401VE and compatible with all ST MEMS adapters	STEVAL-MKI109V3
Applications	Industrial Safety

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For further information contact your local STMicroelectronics sales office.

www.st.com

1 Schematic diagram

Figure 1. STEVAL-MKI236A circuit schematic

2 Board versions

Table 1. STEVAL-MKI236A versions

Finished good	Schematic diagrams	Bill of materials
STEVAL$MKI236AA [1]	STEVAL$MKI236AA schematic diagrams	STEVAL$MKI236AA bill of materials

1. This code identifies the STEVAL-MKI236A evaluation board first version.

Revision history

Table 2. Document revision history

Date	Revision	Changes
20-Mar-2023	1	Initial release
13-Jun-2024	2	Updated Description to include MEMS-Studio software solution Minor textual updates

IMPORTANT NOTICE – READ CAREFULLY