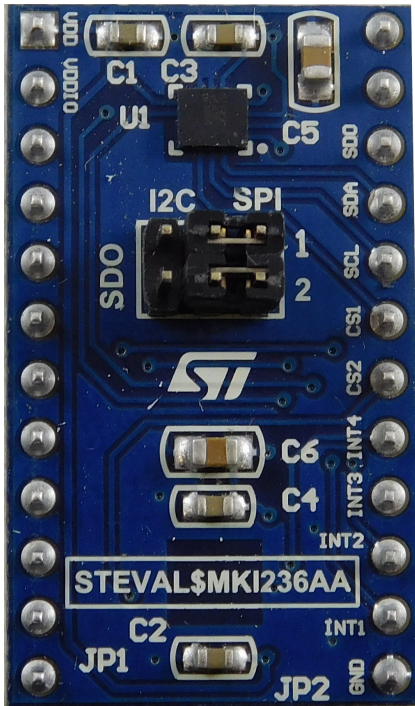


2xASM330LHB adapter board for a standard DIL24 socket



Features

- Complete ASM330LHB pinout for a standard DIL24 socket
- Fully compatible with the STEVAL-MKI109D evaluation platform
- 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.

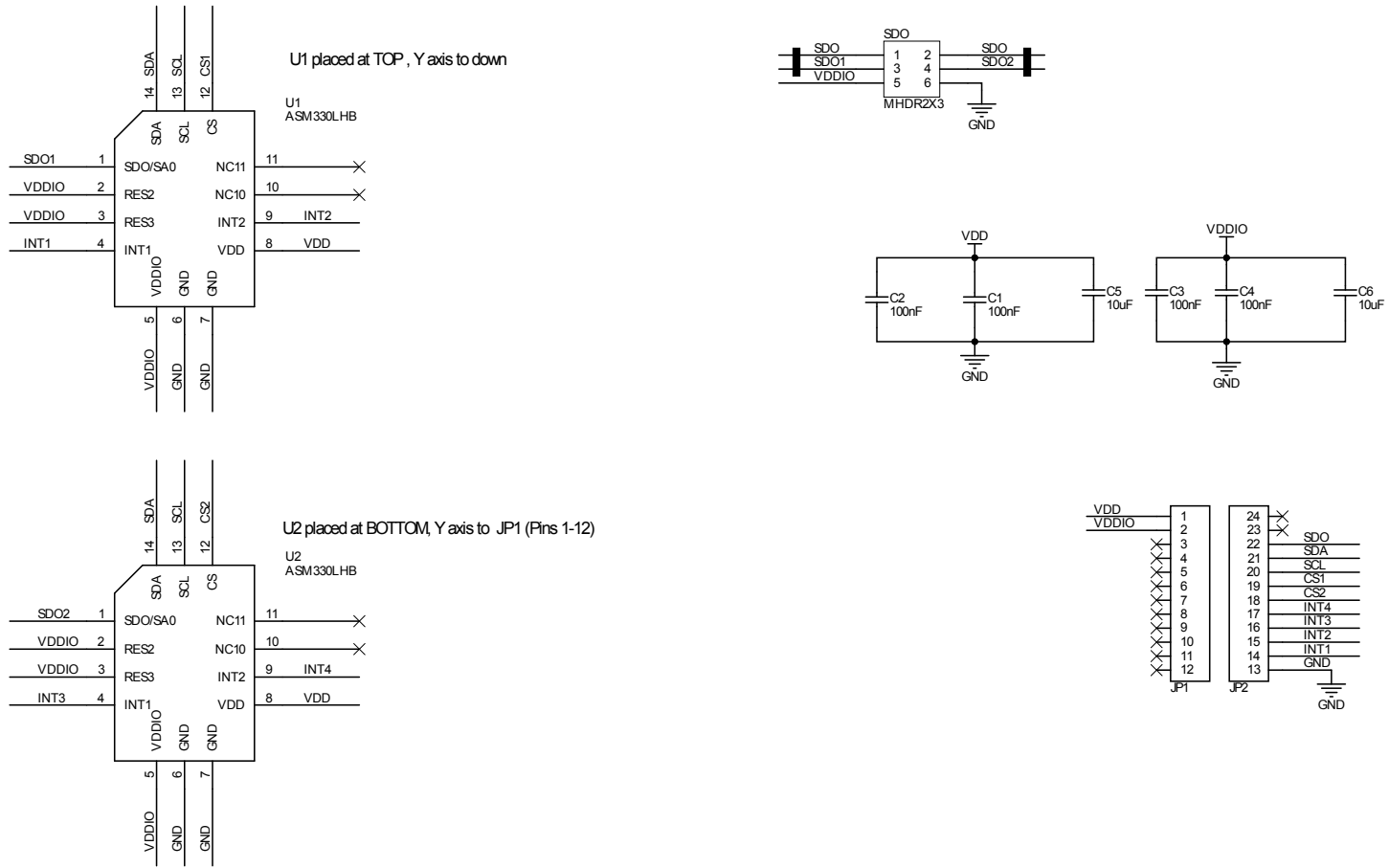
This adapter is supported by the STEVAL-MKI109D evaluation platform, which includes a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use the downloadable MEMS Studio graphical user interface or dedicated software routines for customized 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: evaluation board for all ST MEMS sensors	STEVAL-MKI109D
Applications	Vehicle-to-everything (V2X)

1 Schematic diagram

Figure 1. STEVAL-MK1236A 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 first version of the STEVAL-MKI236A evaluation board.

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
27-Jun-2025	3	Added STEVAL-MKI109D evaluation platform

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