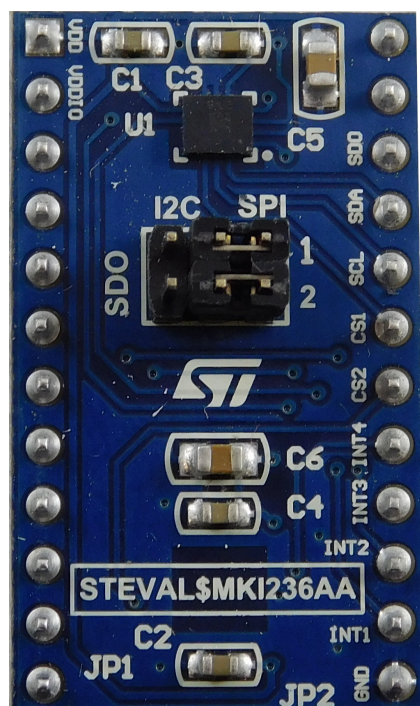


## 2xASM330LHB adapter board for a standard DIL24 socket



### 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.

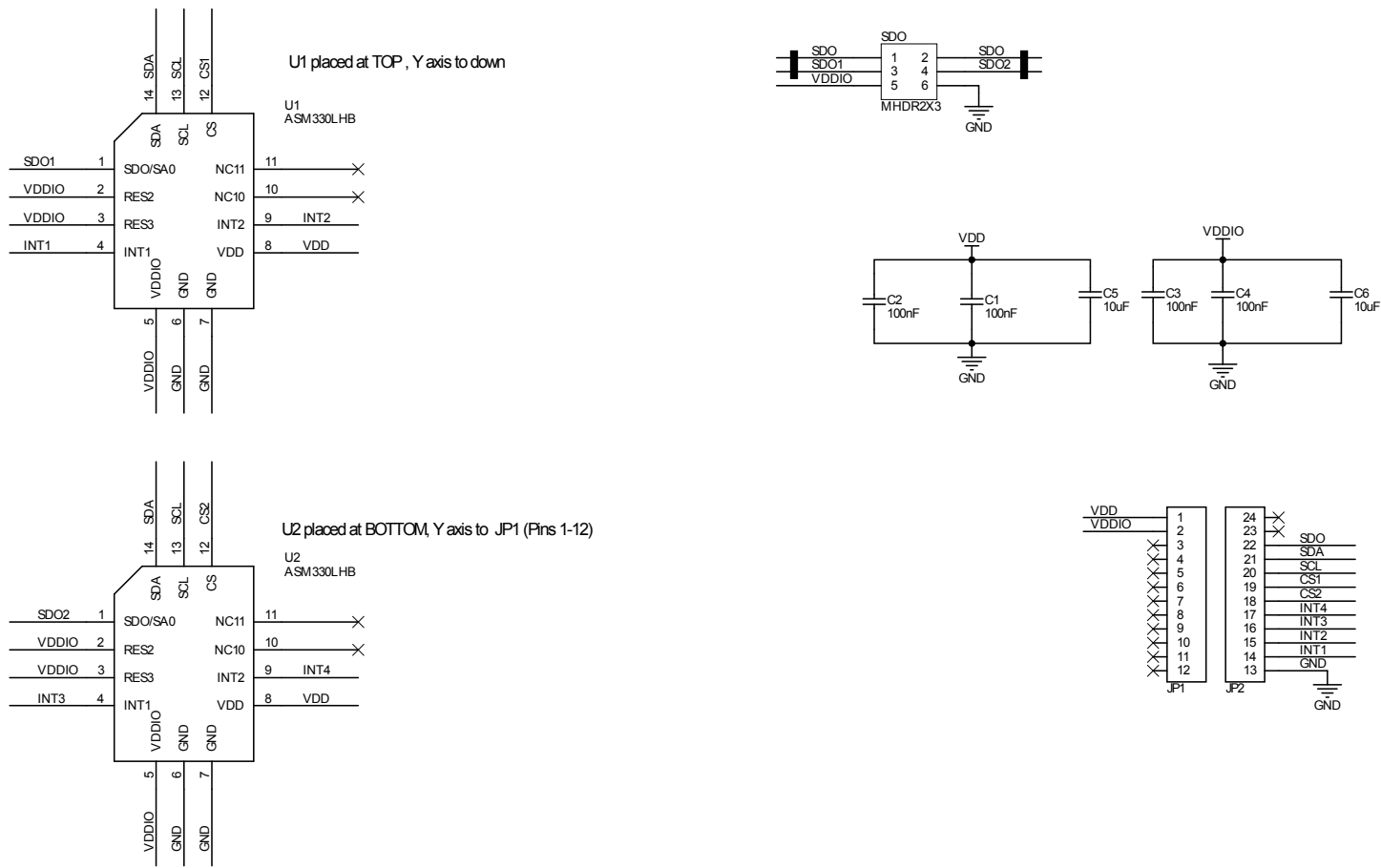
**MEMS-Studio** is a complete software solution for the evaluation and programming of all MEMS sensors and it is available for [Linux](#), [macOS](#), and [Windows](#) operating systems.

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	<a href="#">STEVAL-MKI236A</a>
High-accuracy 6-axis inertial measurement unit (IMU) for ASIL B automotive applications	<a href="#">ASM330LHB</a>
Professional MEMS tool: ST MEMS adapters motherboard based on the STM32F401VE and compatible with all ST MEMS adapters	<a href="#">STEVAL-MKI109V3</a>
Applications	<a href="#">Industrial Safety</a>

# 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 <sup>(1)</sup>	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 <a href="#">Description</a> to include MEMS-Studio software solution Minor textual updates

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