STEVAL-MKI244A

Data brief

2xASM330LHBG1 adapter board for a standard DIL24 socket

Features

- Complete ASM330LHBG1 pinout for a standard DIL24 socket
- Fully compatible with the STEVAL-MKI109D evaluation platform
- RoHS compliant

Description

The STEVAL-MKI244A is an adapter board designed to facilitate the evaluation of the ASM330LHBG1 6-axis IMU (inertial measurement unit) in ASIL B automotive applications. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

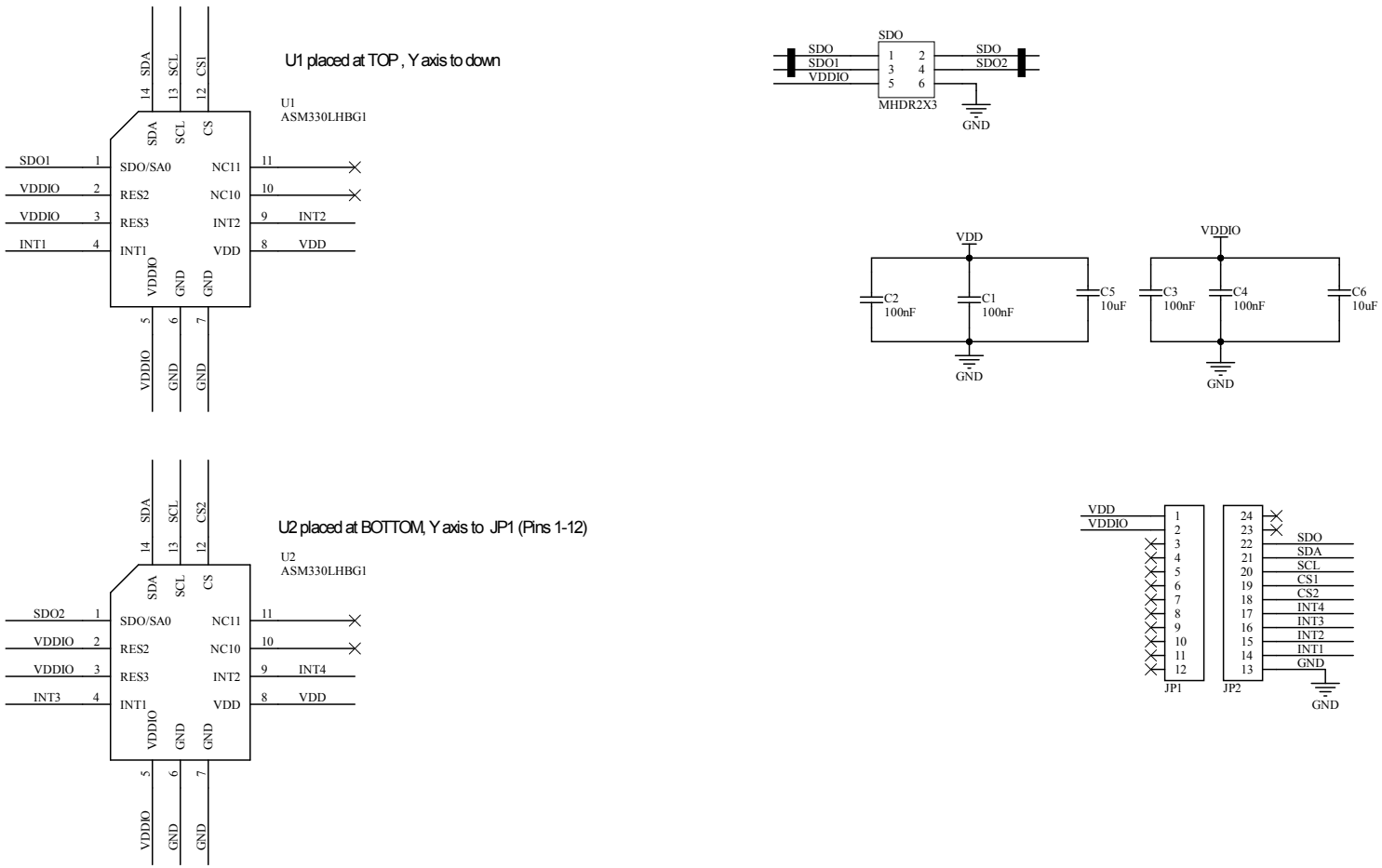
The STEVAL-MKI244A can be plugged into a standard DIL24 socket. The adapter provides the complete ASM330LHBG1 pinout and comes ready to use with the required decoupling capacitors on the VDD and VDDIO power supply lines.

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	
2xASM330LHBG1 adapter board for a standard DIL24 socket	STEVAL-MKI244A
High-accuracy 6-axis inertial measurement unit (IMU) with extended temperature range for ASIL B automotive applications	ASM330LHBG1
Professional MEMS tool: evaluation board for all ST MEMS sensors	STEVAL-MKI109D
Applications	Vehicle-to-everything (V2X)

1 Schematic diagrams

Figure 1. STEVAL-MKI244A circuit schematic



2 Board versions

Table 1. STEVAL-MKI244A versions

Finished good	Schematic diagrams	Bill of materials
STEVAL$MKI244AA(1)	STEVAL$MKI244AA schematic diagrams	STEVAL$MKI244AA bill of materials

1. *This code identifies the first version of the STEVAL-MKI244A evaluation board.*

Revision history

Table 2. **Document revision history**

Date	Revision	Changes
19-Mar-2024	1	Initial release
25-Aug-2025	2	Added MEMS Studio software solution and STEVAL-MKI109D evaluation platform

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