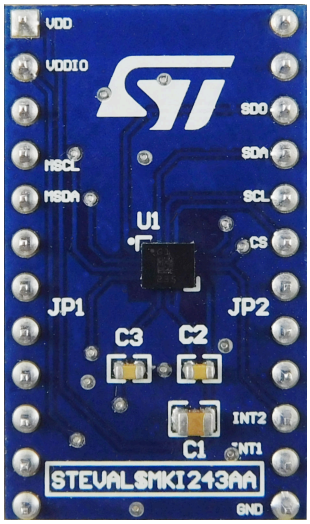
STEVAL-MKI243A

Data brief

ASM330LHHXG1 adapter board for a standard DIL24 socket



Features

- Complete ASM330LHHXG1 pinout for a standard DIL24 socket
- Fully compatible with the STEVAL-MKI109D evaluation platform
- RoHS compliant

Description

The STEVAL-MKI243A is an adapter board designed to facilitate the evaluation of the ASM330LHHXG1 6-axis IMU (inertial measurement unit) in automotive applications.

The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

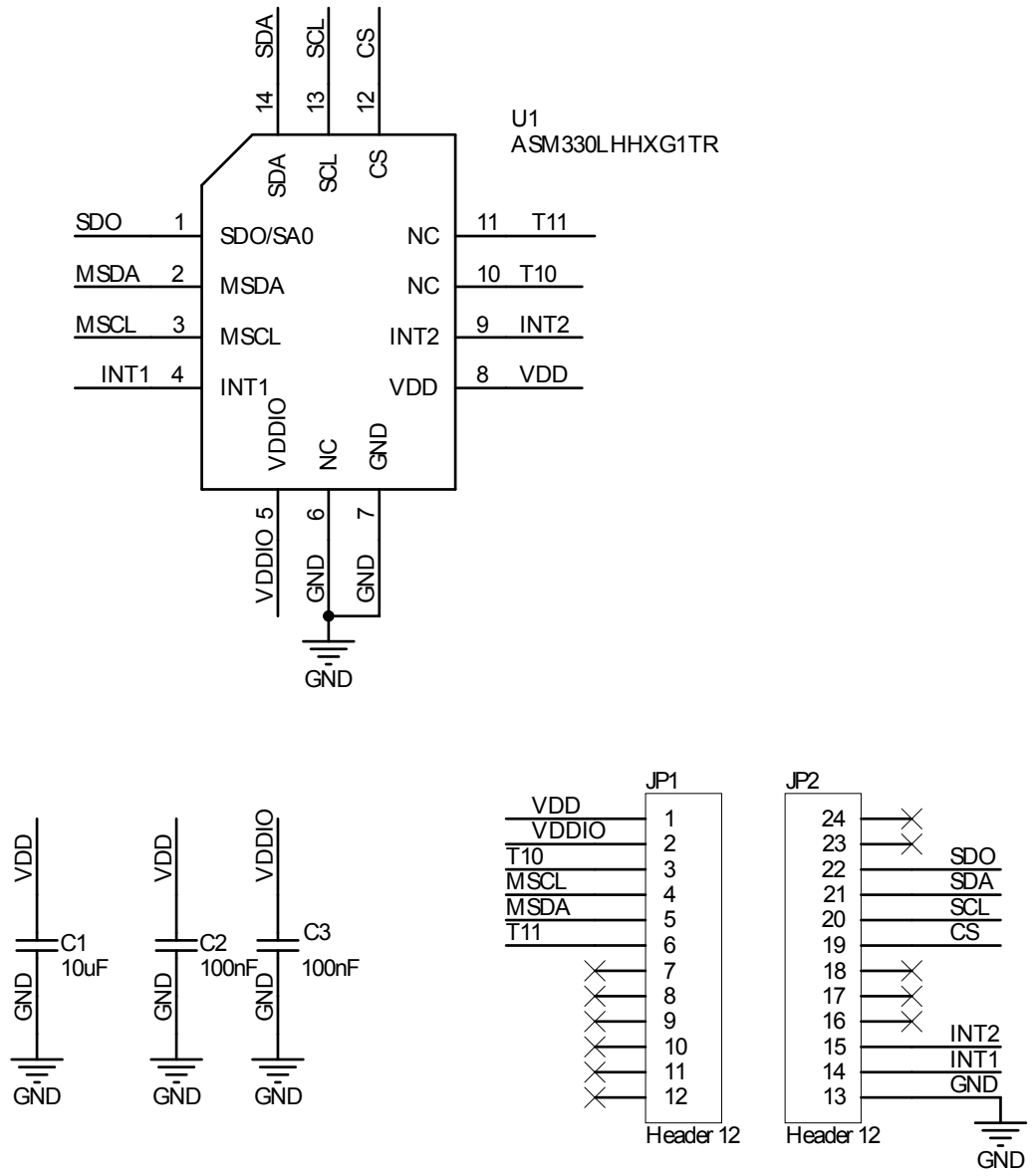
The STEVAL-MKI243A can be plugged into a standard DIL24 socket. The adapter provides the complete ASM330LHHXG1 pinout and comes ready to use with the required decoupling capacitors on the VDD power supply line.

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	
ASM330LHHXG1 adapter board for a standard DIL24 socket	STEVAL-MKI243A
High-accuracy 6-axis automotive inertial measurement unit (IMU) with embedded machine learning core and dual operating modes	ASM330LHHXG1
Professional MEMS tool: evaluation board for all ST MEMS sensors	STEVAL-MKI109D
Applications	Vehicle-to-everything (V2X)

1 Schematic diagrams

Figure 1. **STEVAL-MKI243A circuit schematic**



2 Board versions

Table 1. STEVAL-MKI243A versions

Finished good	Schematic diagrams	Bill of materials
STEVAL$MKI243AA(1)	STEVAL$MKI243AA schematic diagrams	STEVAL$MKI243AA bill of materials

1. *This code identifies the first version of the STEVAL-MKI243A evaluation board.*

Revision history

Table 2. **Document revision history**

Date	Revision	Changes
16-Oct-2023	1	Initial release
25-Aug-2025	2	Added MEMS Studio software solution and STEVAL-MKI109D evaluation platform

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