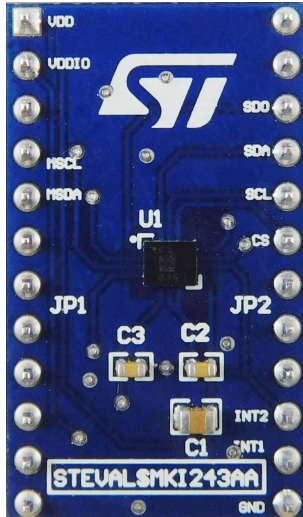## ASM330LHHXG1 adapter board for a standard DIL24 socket

Features

- Complete ASM330LHHXG1 pinout for a standard DIL 24 socket
- Fully compatible with STEVAL-MKI109V3 motherboards
- RoHS compliant

Description

The STEVAL-MKI243A is an adapter board designed to facilitate the evaluation of MEMS devices in the ASM330LHHXG1 product family.

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 DIL 24 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 STEVAL-MKI109V3 motherboards, 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 graphical user interface (Unico-GUI), or dedicated software routines for customized applications.

The adapter board can also be plugged into X-NUCLEO-IKS01A3 and X-NUCLEO-IKS02A1 boards using UNICLEO.

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	ASM330LHHXG1TR
Professional MEMS tool: ST MEMS adapters motherboard based on the STM32F401VE and compatible with all ST MEMS adapters	STEVAL-MKI109V3
Motion MEMS and microphone MEMS expansion board for STM32 Nucleo	X-NUCLEO-IKS02A1
Applications	Active Suspension

1 Schematic diagrams

Figure 1. STEVAL-MKI243A circuit schematic
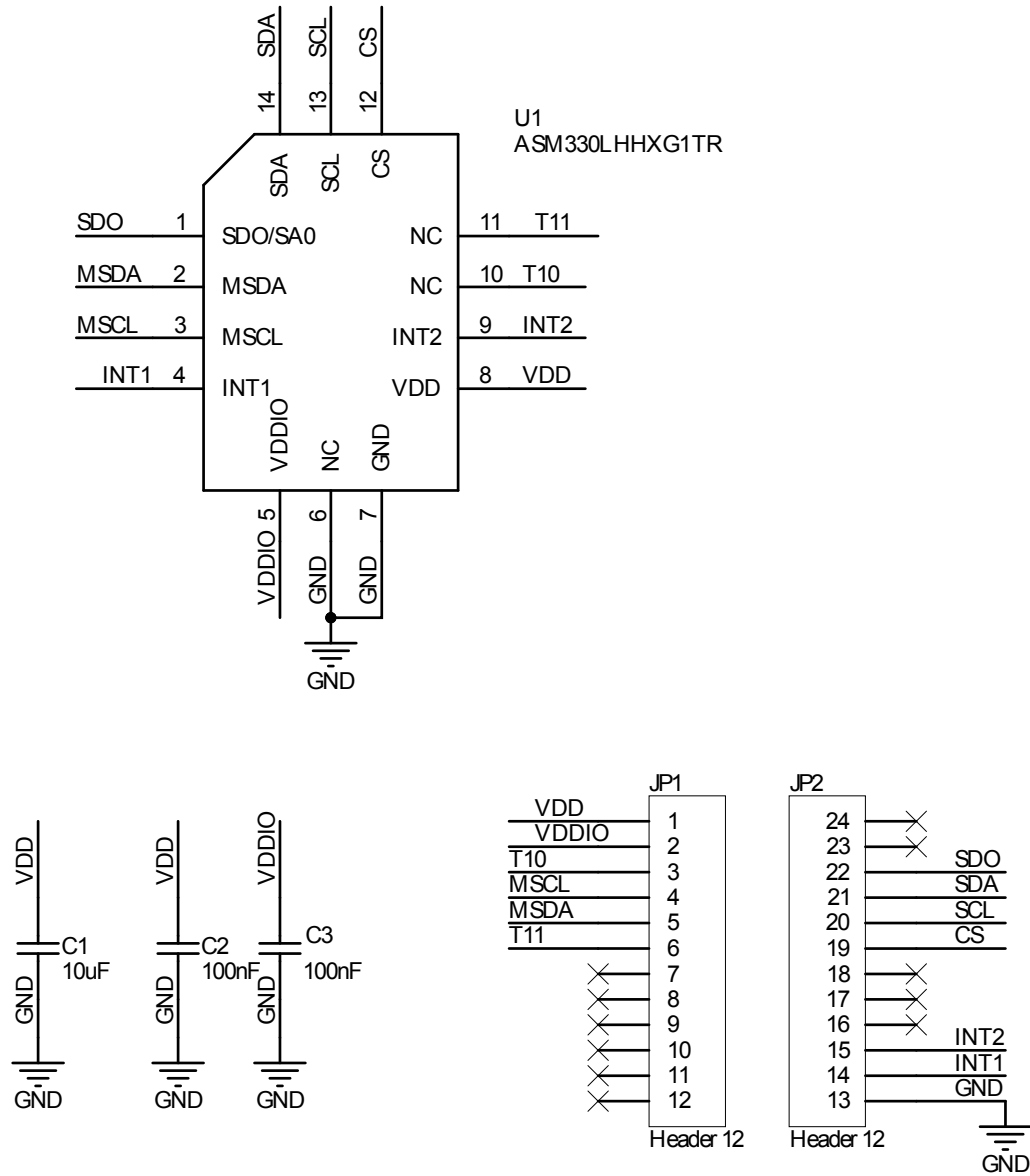
2 Board versions

Table 1. STEVAL-MKI239A 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 STEVAL-MKI243A evaluation board first version.

Revision history

Table 2. Document revision history

Date	Revision	Changes
16-Oct-2023	1	Initial release.

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