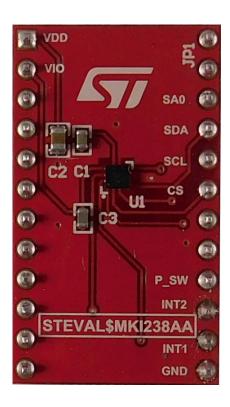




## LIS2DUX12 adapter board for a standard DIL24 socket



### **Features**

- Complete LIS2DUX12 pinout for a standard DIL24 socket
- Fully compatible with the STEVAL-MKI109D evaluation platform
- RoHS compliant

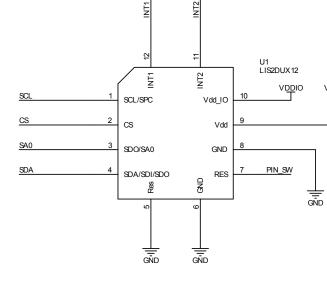
### **Description**

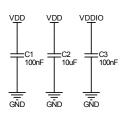
The STEVAL-MKI238A is an adapter board designed to facilitate the evaluation of the LIS2DUX12 3-axis smart accelerometer in the MEMS and sensors product portfolio. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application. The STEVAL-MKI238A can be plugged into a standard DIL24 socket. It provides the complete LIS2DUX12 pinout and embeds 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

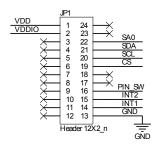
the sensor and a PC, on which it is possible to use the downloadable MEMS Studio graphical user interface or dedicated software routines for customized applications. Another option is to plug the adapter in the X-NUCLEO-IKS4A1 board to develop the

proper application.

Product sumn	nary
LIS2DUX12 adapter board for a standard DIL24 socket	STEVAL- MKI238A
Ultralow-power 3-axis smart accelerometer with AI, antialiasing filter, and advanced digital features	LIS2DUX12
Professional MEMS tool: evaluation board for all ST MEMS sensors	STEVAL- MKI109D
Motion MEMS and environmental sensor expansion board for STM32 Nucleo	X-NUCLEO- IKS4A1
Applications	Wearables









# 2 Board versions

### Table 1. STEVAL-MKI238A versions

Finished good	Schematic diagrams	Bill of materials	
STEVAL\$MKI238AA <sup>(1)</sup>	STEVAL\$MKI238AA schematic diagrams	STEVAL\$MKI238AA bill of materials	

<sup>1.</sup> This code identifies the first version of the STEVAL-MKI238A evaluation board.

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# **Revision history**

Table 2. Document revision history

Date	Revision	Changes
19-Jan-2023	1	Initial release
09-May-2024	2	Updated Description to include MEMS Studio software solution Minor textual updates
27-Jun-2025	3	Added STEVAL-MKI109D evaluation platform and X-NUCLEO-IKS4A1 expansion board

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