

MIS2DU12 adapter board for a standard DIL24 socket



Features

- Complete MIS2DU12 pinout for a standard DIL 24 socket
- Fully compatible with STEVAL-MKI109D evaluation board
- RoHS compliant

Description

The **STEVAL-MKI255A** is an adapter board designed to facilitate the evaluation of MEMS devices in the **MIS2DU12** product family.

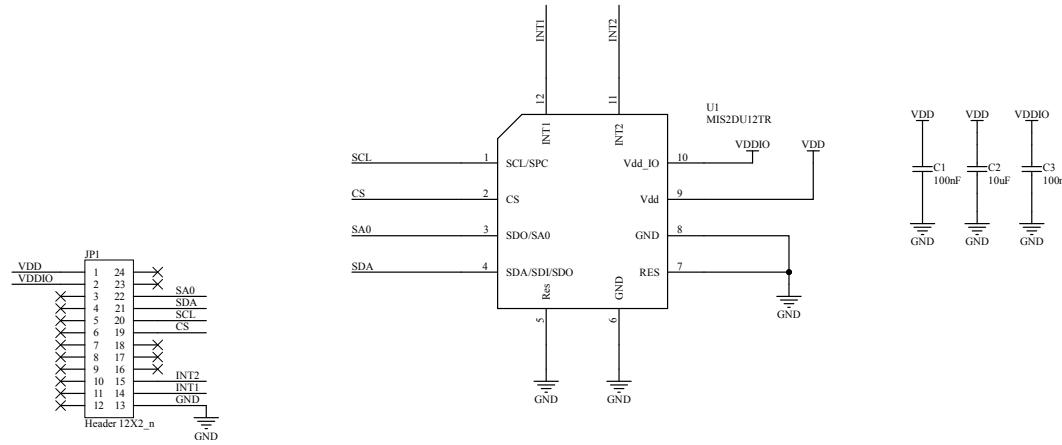
The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

The **STEVAL-MKI255A** can be plugged into a standard DIL 24 socket. The adapter provides the complete **MIS2DU12** pinout and comes ready-to-use with the required decoupling capacitors on the VDD power supply line.

This adapter is supported by **STEVAL-MKI109D** evaluation board, 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 (MEMS Studio), or dedicated software routines for customized applications.

| Product summary | |
|---|--------------------------------|
| MIS2DU12 adapter board for a standard DIL24 socket | STEVAL-MKI255A |
| Ultralow-power accelerometer with antialiasing and motion detection | MIS2DU12TR |
| Professional MEMS tool: evaluation board for all ST MEMS sensors | STEVAL-MKI109D |
| Application | Position and motion monitoring |

Figure 1. STEVAL-MKI255A schematic



2 Board versions

Table 1. STEVAL-MKI255A versions

| PCB version | Schematic diagrams | Bill of materials |
|------------------------------|----------------------------------|---------------------------------|
| STV\$MKI255AA ⁽¹⁾ | STV\$MKI255AA schematic diagrams | STV\$MKI255AA bill of materials |

1. This code identifies the STEVAL-MKI255A evaluation board first version. It is printed on the board PCB.

Revision history

Table 2. Document revision history

| Date | Revision | Changes |
|-------------|----------|------------------|
| 14-Jan-2026 | 1 | Initial release. |

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