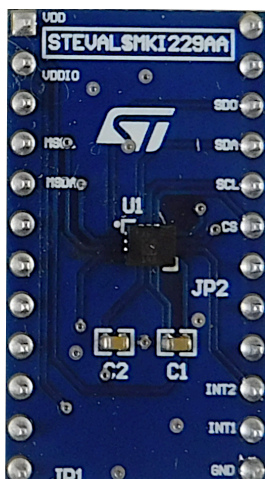


LSM6DSO16IS adapter board for a standard DIL24 socket



Features

- Complete **LSM6DSO16IS** pin-out for a standard DIL24 socket
- Fully compatible with the **STEVAL-MKI109V3** motherboard
- RoHS compliant

Description

The **STEVAL-MKI229A** is an adapter board designed to facilitate the evaluation of MEMS devices in the **LSM6DSO16IS** product family. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

The **STEVAL-MKI229A** can be plugged into a standard DIL24 socket. The adapter provides the complete **LSM6DSO16IS** pin-out and comes ready-to-use with the required decoupling capacitors on the VDD power supply line.

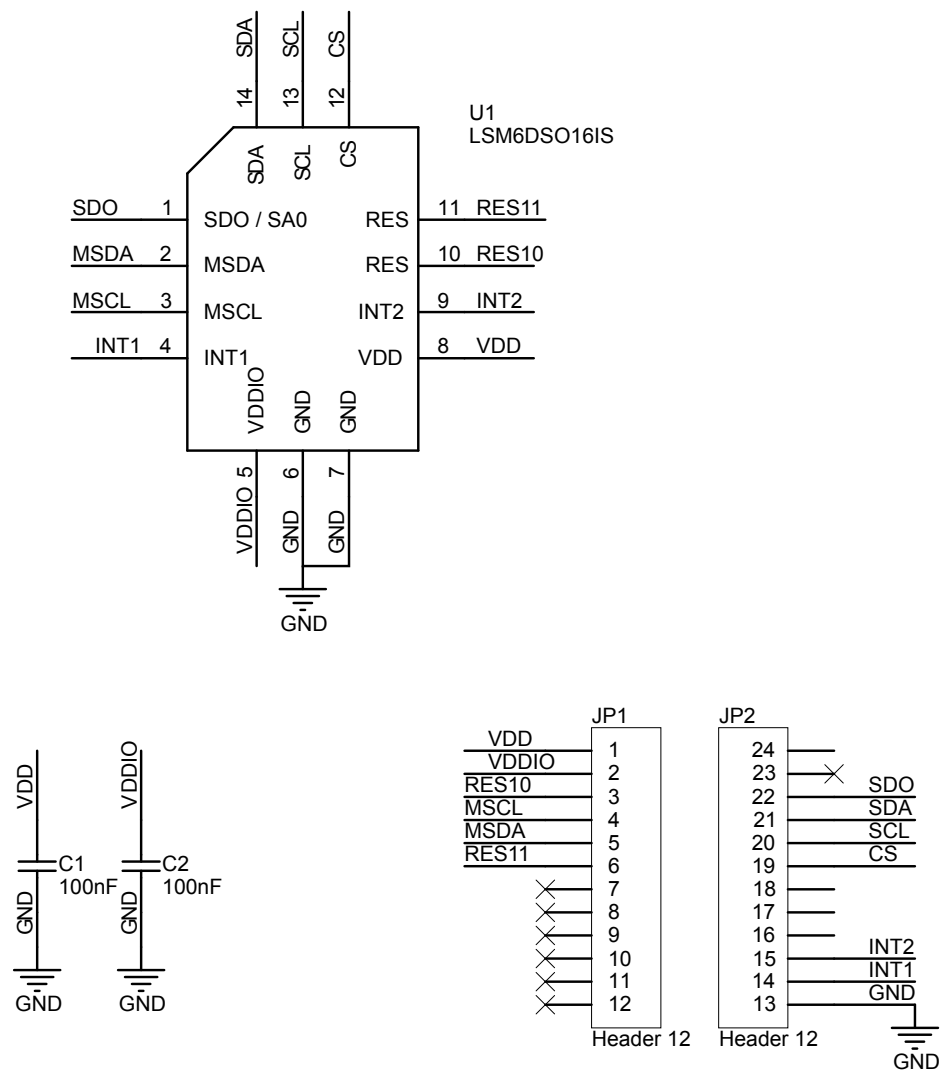
This adapter is supported by the **STEVAL-MKI109V3** motherboard, which includes a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use a downloadable graphical user interface (**Unico-GUI**), or dedicated software routines for customized applications.

The adapter board can be also plugged into the **X-NUCLEO-IKS01A2**, **X-NUCLEO-IKS01A3**, and **X-NUCLEO-IKS02A1** expansion boards.

Product summary	
LSM6DSO16IS adapter board for a standard DIL24 socket	STEVAL-MKI229A
iNEMO inertial module: always-on 3D accelerometer and 3D gyroscope with ISPU	LSM6DSO16IS
MEMS adapter motherboard based on the STM32F401VE	STEVAL-MKI109V3
Motion MEMS and microphone MEMS expansion board for STM32 Nucleo	X-NUCLEO-IKS02A1
Applications	Asset Tracking

1

Figure 1. STEVAL-MKI229A circuit schematic



2 Board versions

Table 1. STEVAL-MKI229A versions

Finished good	Schematic diagrams	Bill of materials
STEVAL\$MKI229AA ⁽¹⁾	STEVAL\$MKI229AA schematic diagrams	STEVAL\$MKI229AA bill of materials

1. This code identifies the STEVAL-MKI229A evaluation board first version.

Revision history

Table 2. Document revision history

Date	Revision	Changes
30-Mar-2022	1	Initial release.

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