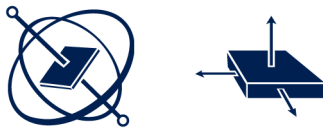
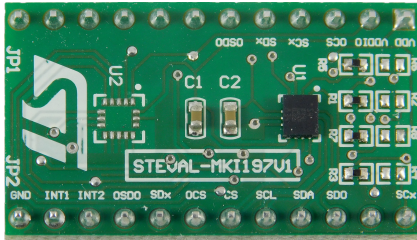


LSM6DSOX adapter board for a standard DIL24 socket



Features

- Complete LSM6DSOX pinout for a standard DIL24 socket
- Fully compatible with the STEVAL-MKI109V3 and STEVAL-MKI109D development platforms
- WEEE compliant
- RoHS compliant

Description

The **STEVAL-MKI197V1** is an adapter board designed to facilitate the evaluation of the LSM6DSOX 6-axis IMU (inertial measurement unit). The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

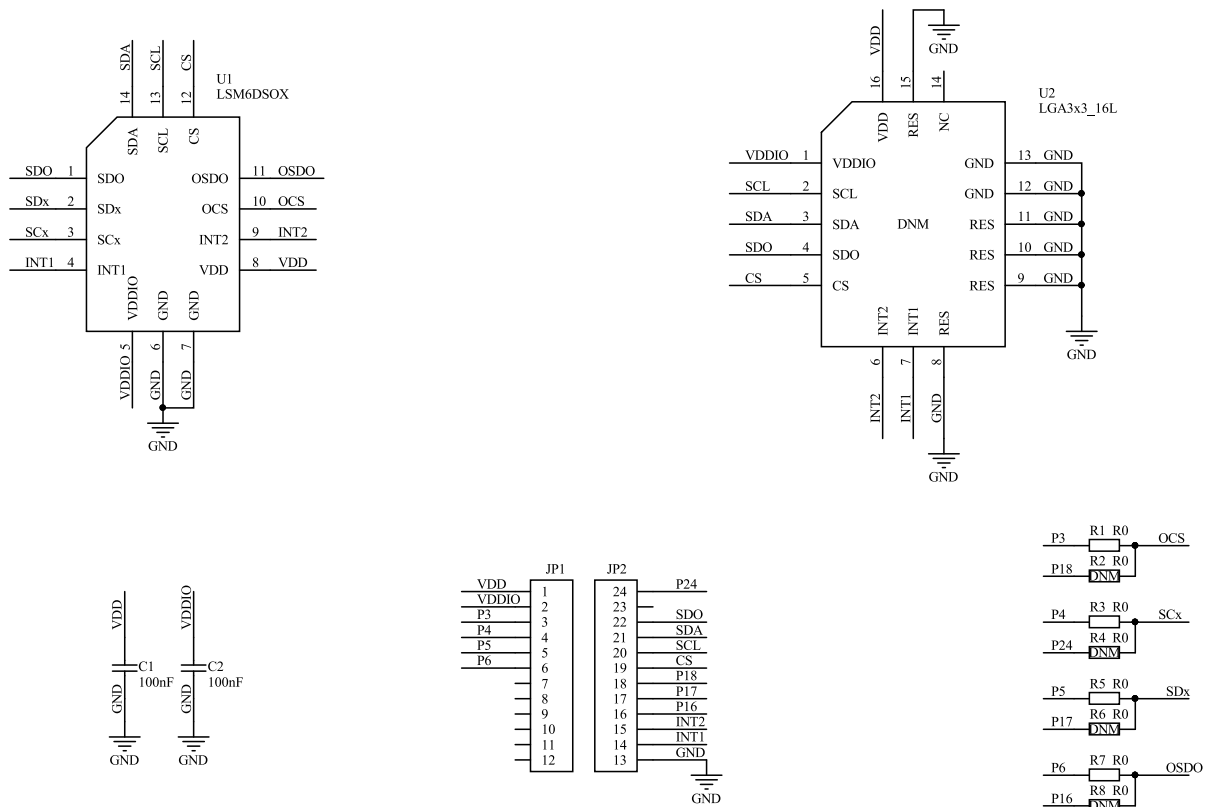
The STEVAL-MKI197V1 can be plugged into a standard DIL24 socket. The adapter provides the complete **LSM6DSOX** pinout and comes ready to use with the required decoupling capacitors on the VDD power supply line.

This adapter is supported by the **STEVAL-MKI109V3** and **STEVAL-MKI109D** development platforms that include a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use the **MEMS Studio** downloadable graphical user interface or dedicated software routines for customized applications

Product summary	
LSM6DSOX adapter board for a standard DIL24 socket	STEVAL-MKI197V1
6-axis IMU (inertial measurement unit) with embedded AI: always-on 3-axis accelerometer and 3-axis gyroscope	LSM6DSOX
Professional MEMS tool: ST MEMS adapters motherboard based on the STM32F401VE and compatible with all ST MEMS adapters	STEVAL-MKI109V3
Professional MEMS tool: evaluation board for all ST MEMS sensors	STEVAL-MKI109D

1 Schematic diagrams

Figure 1. STEVAL-MKI197V1 board schematic



Revision history

Table 1. Document revision history

Date	Version	Changes
16-Oct-2018	1	Initial release
18-Oct-2024	2	Updated Description to include STEVAL-MKI109D development platform and MEMS Studio software solution Updated product summary Minor textual updates

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