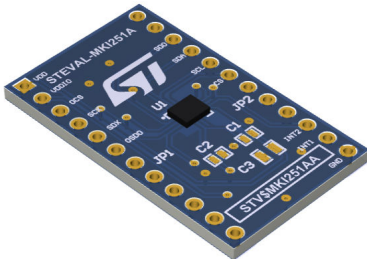


LSM6DSV320X adapter board for a standard DIL24 socket



Features

- Complete [LSM6DSV320X](#) pinout for a standard DIL 24 socket
- Fully compatible with [STEVAL-MKI109D](#) evaluation platform
- RoHS compliant

Description

The [STEVAL-MKI251A](#) is an adapter board designed to facilitate the evaluation the [LSM6DSV320X](#) 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-MKI251A](#) can be plugged into a standard DIL 24 socket. The adapter provides the complete [LSM6DSV320X](#) pinout and comes ready-to-use with the required decoupling capacitors on the VDD power supply line.

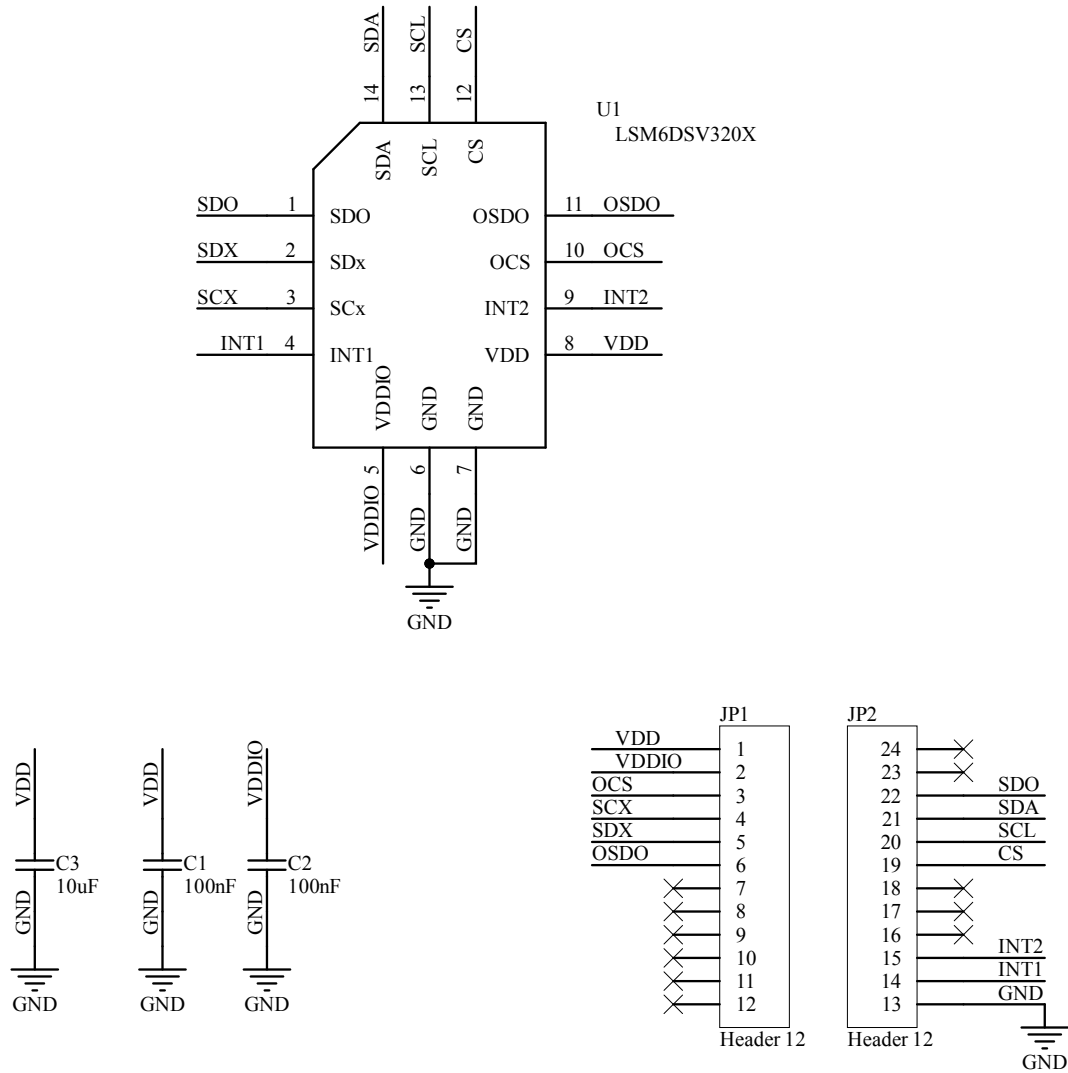
This adapter is supported by [STEVAL-MKI109D](#) evaluation platform which includes a high performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use the downloadable [MEMS Studio](#) graphical user interface, or dedicated software routines for customized applications.

The adapter board can be also plugged in other boards like [STEVAL-MKBOXPRO](#) and [X-NUCLEO-IKS4A1](#).

Product summary	
LSM6DSV320X adapter board for a standard DIL24 socket	STEVAL-MKI251A
9-axis IMU (inertial measurement unit) with high-g accelerometer, embedded AI and sensor fusion	LSM6DSV320X
Professional MEMS tool: evaluation board for all ST MEMS sensors	STEVAL-MKI109D
SensorTile.box PRO with multi-sensors and wireless connectivity for any intelligent IoT node	STEVAL-MKBOXPRO
Application	Sensing

1 Schematic diagrams

Figure 1. STEVAL-MKI247A schematic



Revision history

Table 1. Document revision history

Date	Revision	Changes
13-Feb-2025	1	Initial release.

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