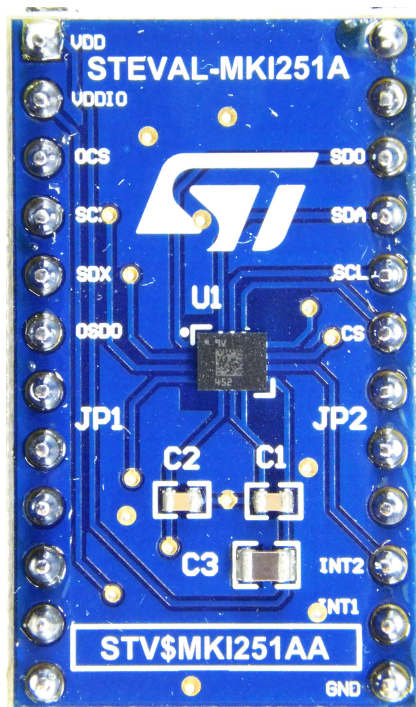


LSM6DSV320X adapter board for a standard DIL24 socket



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.

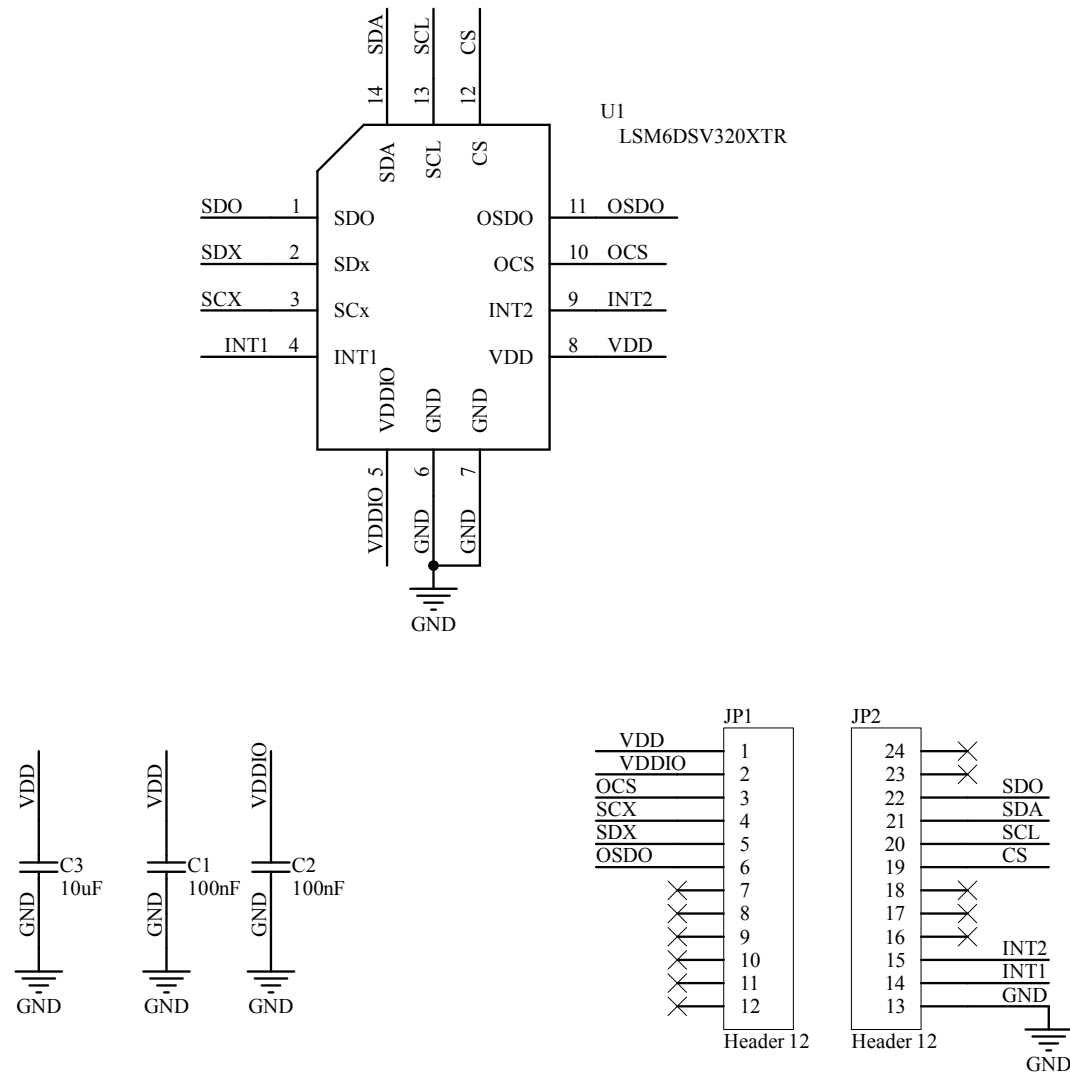
The adapter board can be also plugged in other boards like [STEVAL-MKBOXPRO](#) and [X-NUCLEO-IKS4A1](#).

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	LSM6DSV320XTR
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

Schematic diagrams

Figure 1. STEVAL-MKI251A schematic



2 Board versions

Table 1. STEVAL-MKI251A versions

PCB version	Schematic diagrams	Bill of materials
STV\$MKI251AA ⁽¹⁾	STV\$MKI251AA schematic diagrams	STV\$MKI251AA bill of materials

1. This code identifies the STEVAL-MKI251A evaluation board first version. It is printed on the board PCB.

Revision history

Table 2. Document revision history

Date	Revision	Changes
13-Feb-2025	1	Initial release.
02-Dec-2025	2	Updated Cover image, Product summary, Description and Schematics.

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