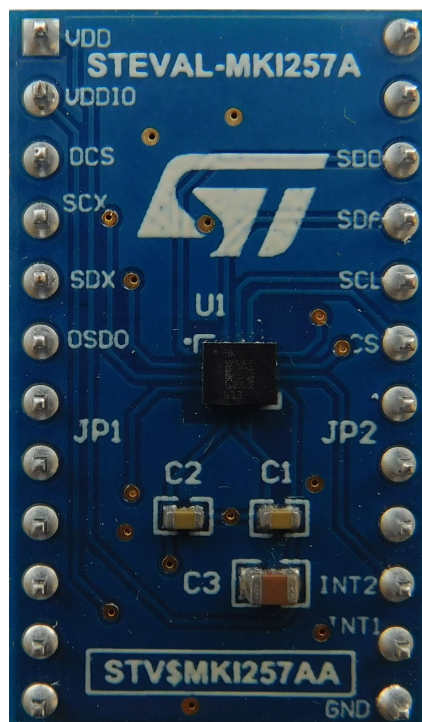


LSM6DSK320X adapter board for a standard DIL24 socket



Features

- Complete LSM6DSK320X pinout for a standard DIL 24 socket
- Fully compatible with STEVAL-MKI109D motherboard
- RoHS compliant

Description

The **STEVAL-MKI257A** is an adapter board designed to facilitate the evaluation of MEMS devices in the **LSM6DSK320X** product family.

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

The **STEVAL-MKI257A** can be plugged into a standard DIL 24 socket. The adapter provides the complete **LSM6DSK320X** pinout and comes ready-to-use with the required decoupling capacitors on the VDD power supply line.

This adapter is supported by **STEVAL-MKI109D** motherboards, 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.

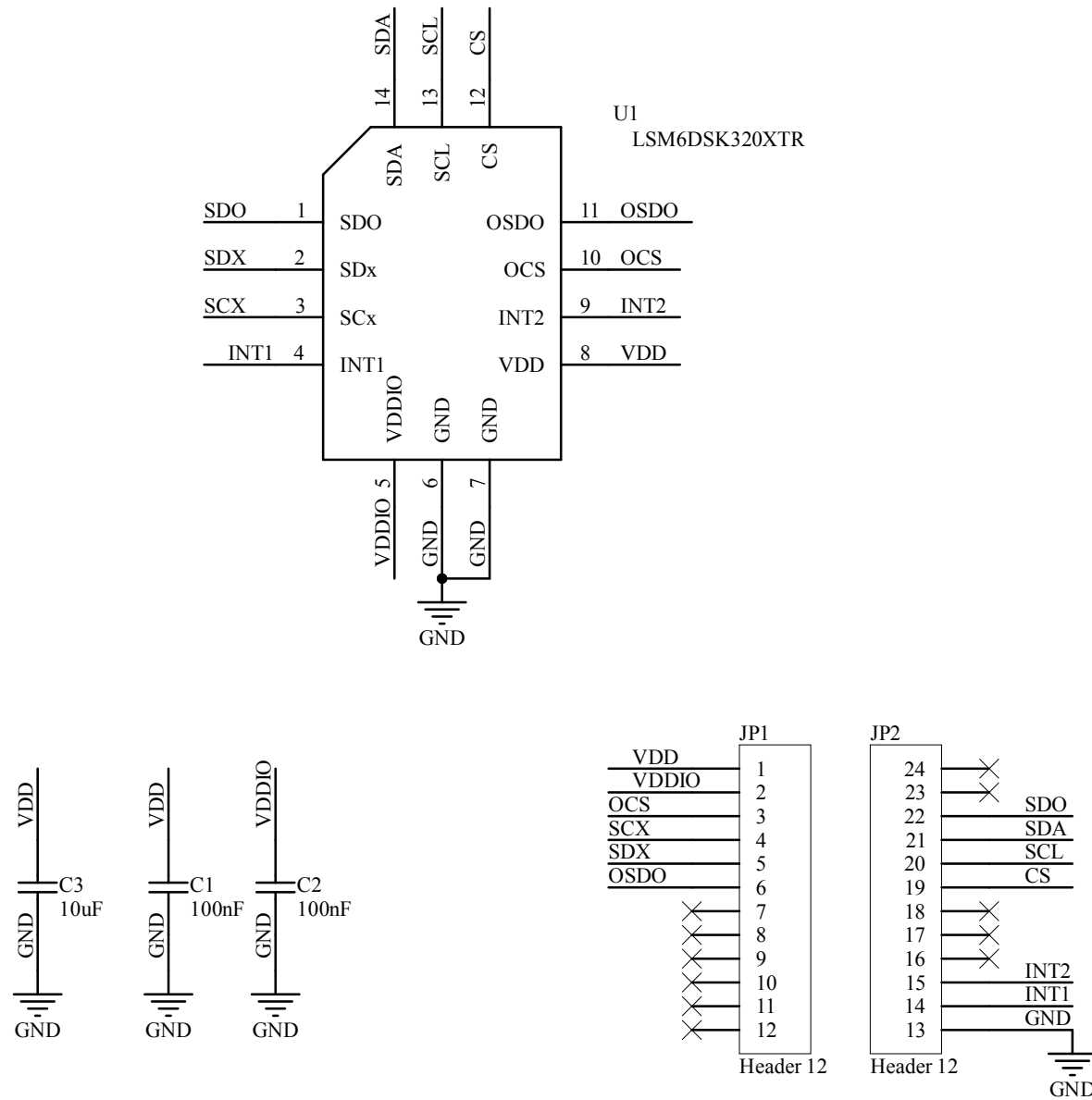
The **STEVAL-MKI257A** can also be plugged in other boards like **STEVAL-MKBOXPRO** and **X-NUCLEO-IKS4A1**.

Product summary

LSM6DSK320X adapter board for a standard DIL24 socket	STEVAL-MKI257A
6-axis IMU (inertial measurement unit) with enhanced vibration immunity, dual accelerometer up to 320 g, and embedded AI	LSM6DSK320XTR
Professional MEMS tool: evaluation board for all ST MEMS sensors	STEVAL-MKI109D
Applications	Smart and sport watches

Schematic diagrams

Figure 1. STEVAL-MKI257A schematic



2 Board versions

Table 1. STEVAL-MKI257A versions

PCB version	Schematic diagrams	Bill of materials
STV\$MKI257AA ⁽¹⁾	STV\$MKI257AA schematic diagrams	STV\$MKI257AA bill of materials

1. This code identifies the STEVAL-MKI257A evaluation board first version. It is printed on the board PCB.

Revision history

Table 2. Document revision history

Date	Revision	Changes
22-Sep-2026	1	Initial release.

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