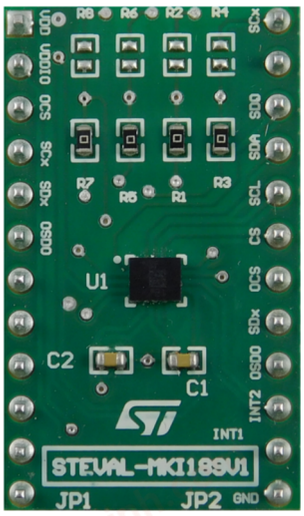
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STEVAL-MKI189V1

Data brief

LSM6DSM adapter board for a standard DIL24 socket



iNEMO

Features

- Complete LSM6DSM pinout for a standard DIL 24 socket
- Fully compatible with STEVAL-MKI109V3 motherboards
- Change some resistor settings to make it compatible with the STEVAL-MKI109V2 motherboard as well
- RoHS compliant

Description

The STEVAL-MKI189V1 is an adapter board designed to facilitate the evaluation of MEMS devices in the LSM6DSM product family. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

The STEVAL-MKI189V1 can be plugged into a standard DIL 24 socket. The adapter provides the complete LSM6DSM pin-out and comes ready-to-use with the required decoupling capacitors on the VDD power supply line.

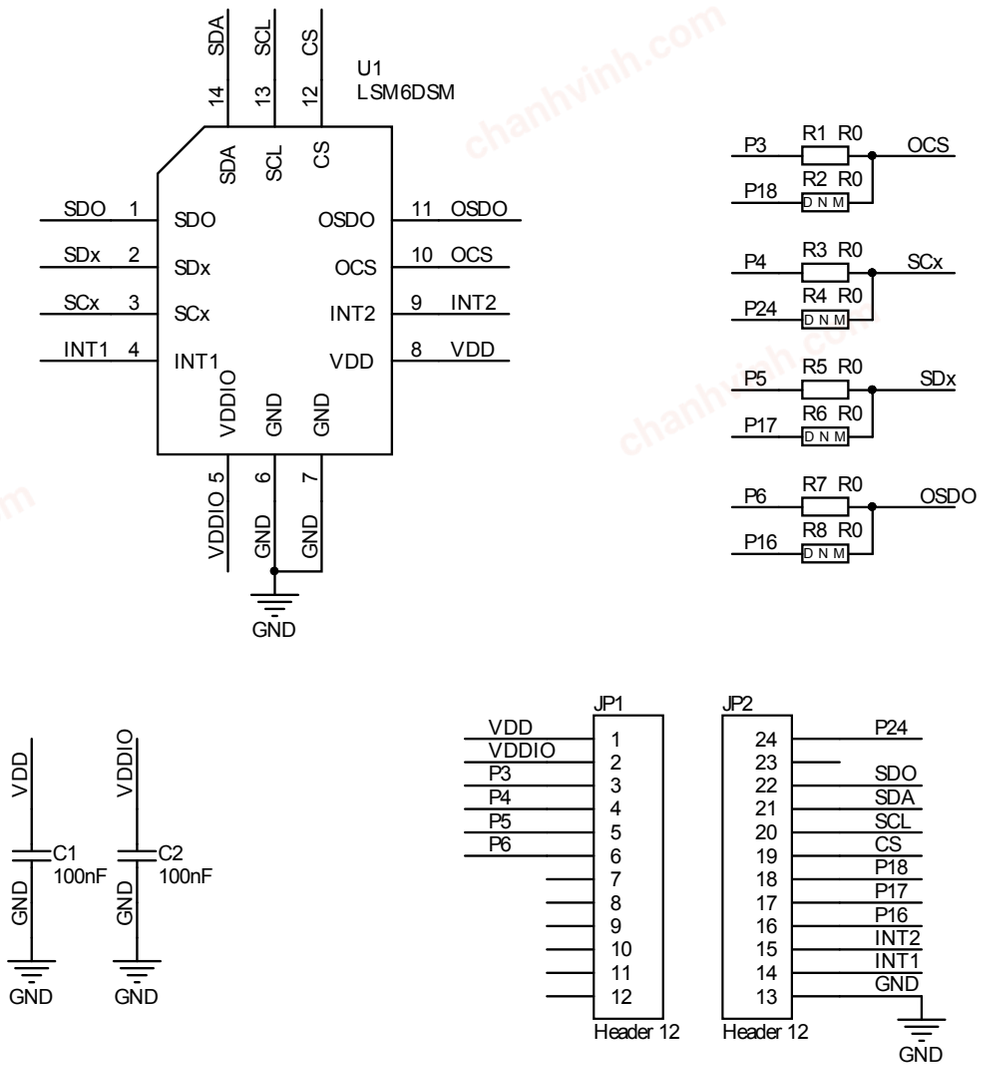
This adapter is supported by the STEVAL-MKI109V2 and STEVAL-MKI109V3 motherboards which includes a high performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use the downloadable graphical user interface (Unico GUI), or dedicated software routines for customized applications.

Product summary	
LSM6DSM adapter board for a standard DIL24 socket	STEVAL-MKI189V1
iNEMO 6DoF inertial module, for smart phones with OIS / EIS and AR/VR systems. Ultra-low power, high accuracy and stability	LSM6DSM
ST MEMS adapters motherboard based on STM32F103, compatible with all ST MEMS adapter boards	STEVAL-MKI109V2
ST MEMS adapter motherboard based on the STM32F401VET6 compatible with ST MEMS adapters	STEVAL-MKI109V3

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1 Schematic diagram

Figure 1. **STEVAL-MKI189V1 circuit schematic**



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Revision history

Table 1. **Document revision history**

Date	Version	Changes
18-May-2018	1	Initial release.

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