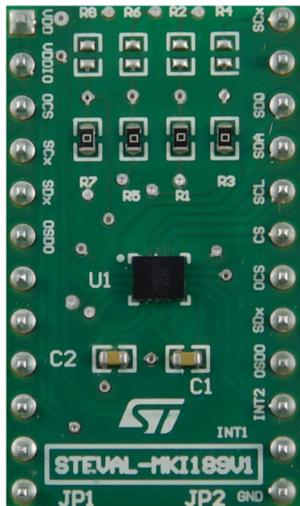


LSM6DSM adapter board for a standard DIL24 socket



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

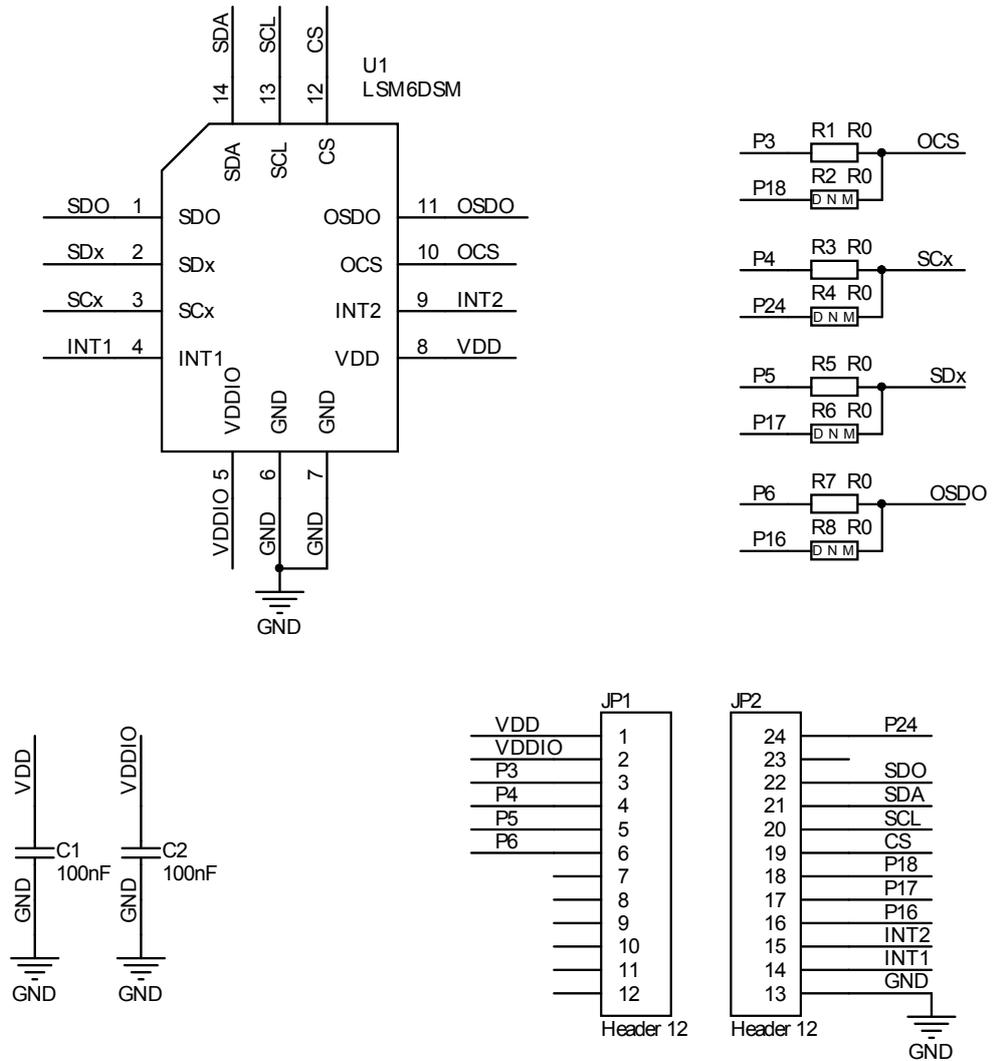
The [STEVAL-MKI189V1](#) is an adapter board designed to facilitate the evaluation of MEMS devices in the [LSM6DSM](#) product family. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

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

1 Schematic diagram

Figure 1. STEVAL-MKI189V1 circuit schematic


Revision history

Table 1. Document revision history

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

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