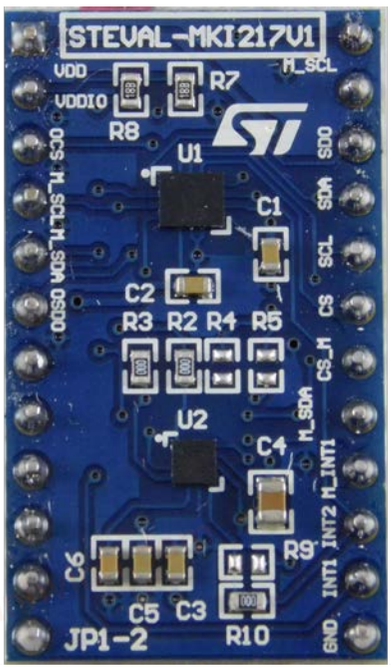
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# STEVAL-MKI217V1

Data brief

## Adapter board for standard DIL24 socket based on LSM6DSOx and LIS2MDL in sensor hub mode




## Features

- Complete LSM6DSOX and LIS2MDL application for a standard DIL 24 socket
- Fully compatible with the STEVAL-MKI109V3 motherboard
- RoHS compliant

## Description

The STEVAL-MKI217V1 is an adapter board designed to facilitate the evaluation of MEMS devices (LSM6DSOX and LIS2MDL) connected in sensor hub mode. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

The STEVAL-MKI217V1 can be plugged into a standard DIL 24 socket.

The adapter provides the complete LSM6DSO32 and LIS2MD 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-MKI109V3 motherboard with 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.

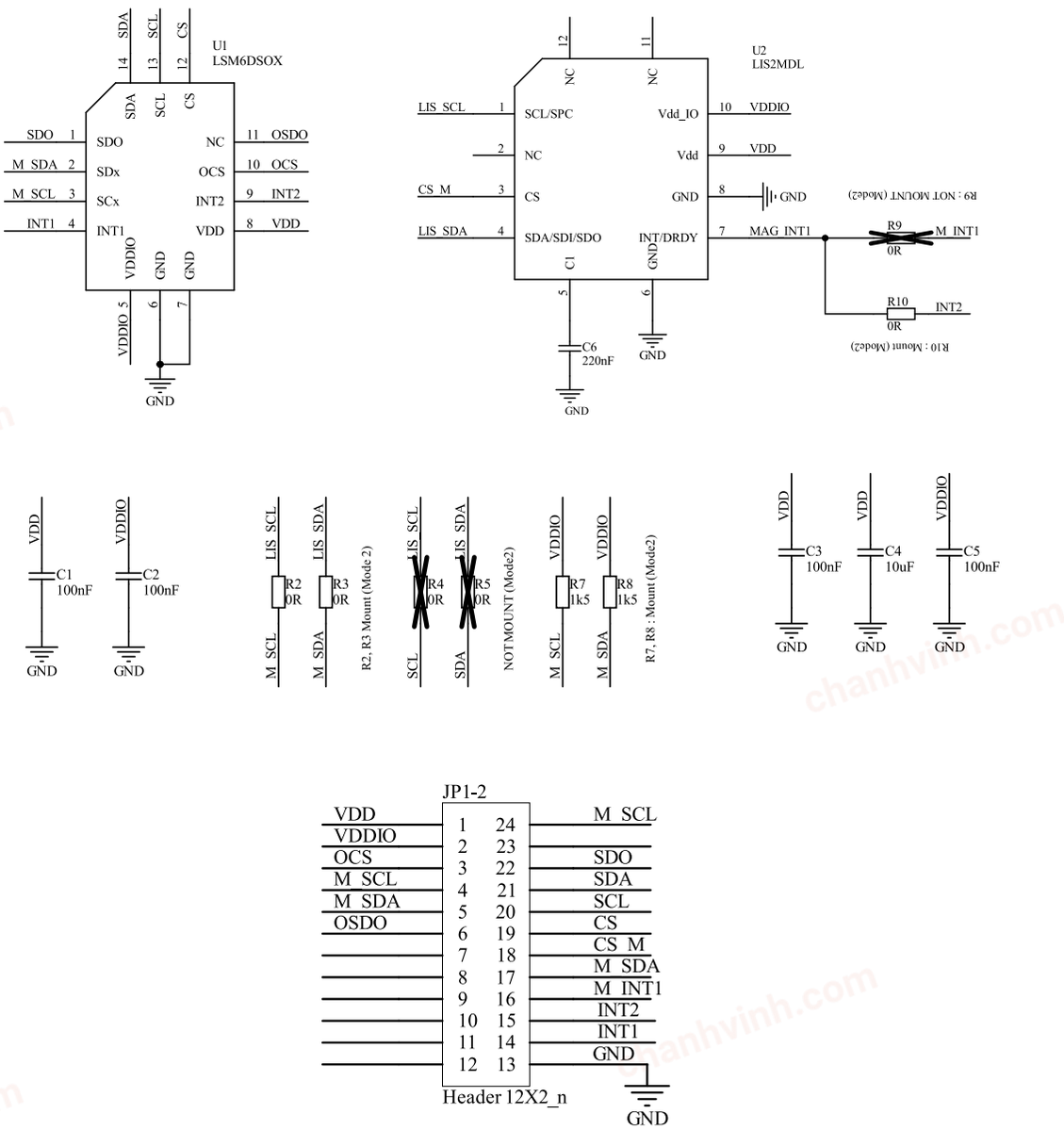
| Product summary | |
|---|---|
| Adapter board for standard DIL24 socket based on LSM6DSOx and LIS2MDL in sensor hub mode | STEVAL-MKI217V1 |
| iNEMO 6DoF inertial module | LSM6DSOX |
| digital 3-axis magnetometer | LIS2MDL |
| ST MEMS adapter motherboard based on STM32F401VE compatible ST MEMS adapters | STEVAL-MKI109V3 |

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# 1 Schematic diagrams

Figure 1. **STEVAL-MKI217V1 board schematic**



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## Revision history

Table 1. **Document revision history**

| Date | Version | Changes |
|---|---|---|
| 11-Nov-2020 | 1 | Initial release. |

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