

Data brief

LSM6DSO32X adapter board for a standard DIL 24 socket



Features

- Complete LSM6DSO32X pin-out for a standard DIL 24 socket
- Fully compatible with STEVAL-MKI109V3 motherboard
- Compatible with STEVAL-MKI109V2 by changing resistor settings
- RoHS compliant

Description

The STEVAL-MKI221V1 is an adapter board which allows evaluation of MEMS devices inside the LSM6DSO32X product family.

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

The STEVAL-MKI221V1 can be plugged into a standard DIL 24 socket. The adapter provides the complete LSM6DSO32X 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.

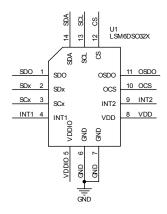
A high performance 32-bit microcontroller, functioning as a bridge between the sensor and a PC, is included.

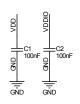
It is possible to use the downloadable graphical user interface (Unico-GUI) or dedicated software routines for customized applications.

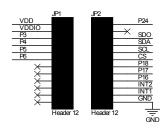
The adapter board can also be plugged into the X-NUCLEO-IKS01A2, X-NUCLEO-IKS01A3 and X-NUCLEO-IKS02A1 expansion boards.

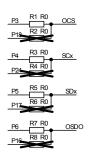
Product summary		
LSM6DSO32X adapter board for a standard DIL 24 socket	STEVAL- MKI221V1	
iNEMO inertial module: always-on 3D accelerometer and 3D gyroscope		
MEMS adapter motherboard based on the STM32F401VE	STEVAL- MKI109V3	
Motion MEMS and environmental sensor expansion board for STM32 Nucleo	X-NUCLEO- IKS01A3	
Applications	Sports Equipment	

Figure 1. STEVAL-MKI221V1 circuit schematic











Revision history

Table 1. Document revision history

Date	Revision	Changes
07-Apr-2021	1	Initial release.

DB4455 - Rev 1 page 3/4



IMPORTANT NOTICE - PLEASE READ CAREFULLY

STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, please refer to www.st.com/trademarks. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2021 STMicroelectronics - All rights reserved

DB4455 - Rev 1 page 4/4