

## LPS28DFW adapter board for a standard DIL24 socket



### Features

- Complete [LPS28DFW](#) pinout for a standard DIL24 socket
- Fully compatible with the [STEVAL-MKI109D](#) evaluation platform
- RoHS compliant

### Description

The [STEVAL-MKI225A](#) is an adapter board designed to facilitate the evaluation of the [LPS28DFW](#) pressure sensor. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

The [STEVAL-MKI225A](#) can be plugged into a standard DIL24 socket. The adapter provides the complete [LPS28DFW](#) pinout and comes ready to use with the required decoupling capacitors on the VDD power supply line.

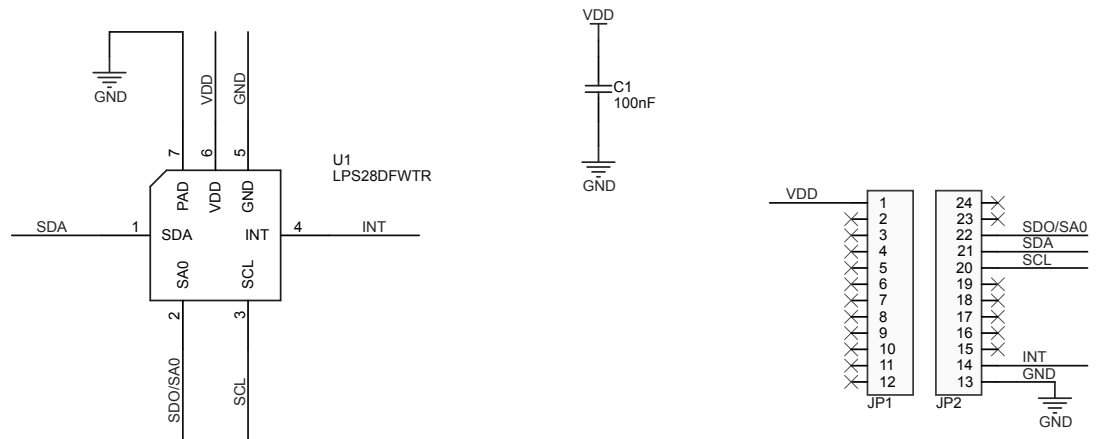
This adapter is supported by the [STEVAL-MKI109D](#) evaluation platform, which includes a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use the downloadable [MEMS Studio](#) graphical user interface or dedicated software routines for customized applications.

The [STEVAL-MKI225A](#) adapter board can also be plugged into other boards like the [X-NUCLEO-IKS4A1](#) expansion board.

Product summary	
LPS28DFW adapter board for a standard DIL24 socket	<a href="#">STEVAL-MKI225A</a>
Dual full-scale, 1260 hPa and 4060 hPa, absolute digital output barometer with water-resistant package	<a href="#">LPS28DFW</a>
Professional MEMS tool: evaluation board for all ST MEMS sensors	<a href="#">STEVAL-MKI109D</a>
Motion MEMS and environmental sensor expansion board for STM32 Nucleo	<a href="#">X-NUCLEO-IKS4A1</a>
Applications	<a href="#">Water metering</a>

## 1 Schematic diagrams

**Figure 1. STEVAL-MKI225A circuit schematic**



## 2 Board versions

**Table 1. STEVAL-MKI225A versions**

Finished good	Schematic diagrams	Bill of materials
STEVAL\$MKI225AA <sup>(1)</sup>	STEVAL\$MKI225AA schematic diagrams	STEVAL\$MKI225AA bill of materials

1. This code identifies the first version of the STEVAL-MKI225A evaluation board.

## Revision history

**Table 2. Document revision history**

Date	Revision	Changes
17-Mar-2022	1	Initial release
27-Aug-2024	2	Updated <a href="#">Description</a> to include MEMS Studio software solution Updated product summary table Minor textual updates
14-May-2025	3	Added STEVAL-MKI109D evaluation platform and X-NUCLEO-IKS4A1 expansion board

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