

LPS28DFW adapter board for a standard DIL24 socket



Features

- Complete [LPS28DFW](#) pinout for a standard DIL24 socket
- Fully compatible with the [STEVAL-MKI109V3](#) motherboard
- 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.

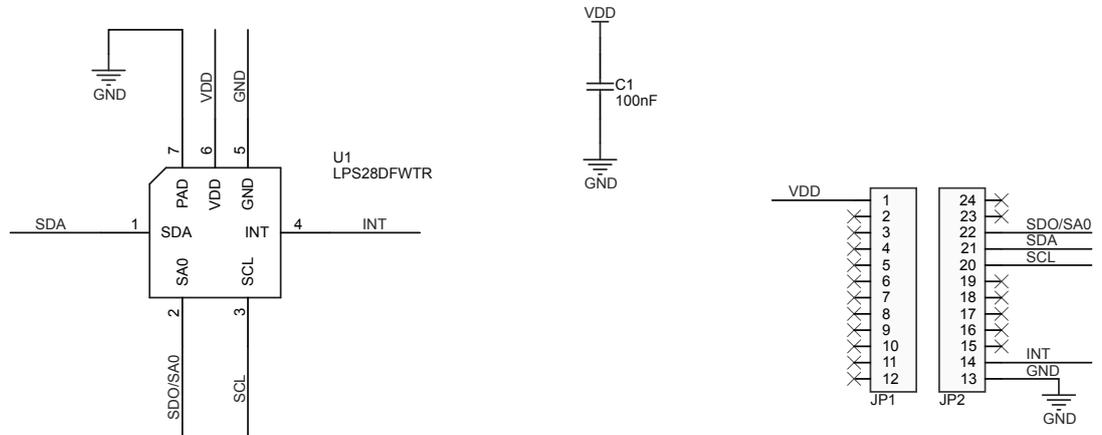
This adapter is supported by the [STEVAL-MKI109V3](#) motherboard, which includes a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use the [MEMS Studio](#) downloadable graphical user interface or dedicated software routines for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

The [STEVAL-MKI225A](#) adapter board can also be plugged into other boards like the [X-NUCLEO-IKS01A3](#) expansion board.

Product summary	
LPS28DFW adapter board for a standard DIL24 socket	STEVAL-MKI225A
Dual full-scale, 1260 hPa and 4060 hPa, absolute digital output barometer with water-resistant package	LPS28DFW
MEMS adapter motherboard based on the STM32F401VE	STEVAL-MKI109V3
Motion MEMS and environmental sensor expansion board for STM32 Nucleo	X-NUCLEO-IKS01A3
Applications	Water metering

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 ⁽¹⁾	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 Description to include MEMS Studio software solution Updated product summary table Minor textual updates

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