

## LPS22DF adapter board for a standard DIL24 socket



### Features

- Complete LPS22DF pinout for a standard DIL24 socket
- Fully compatible with the STEVAL-MKI109V3 motherboard
- RoHS compliant

### Description

The STEVAL-MKI224V1 is an adapter board designed to facilitate the evaluation of the LPS22DF pressure sensor. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

The STEVAL-MKI224V1 can be plugged into a standard DIL24 socket. The adapter provides the complete LPS22DF pinout and comes ready-to-use with the required decoupling capacitors on the VDD power supply line.

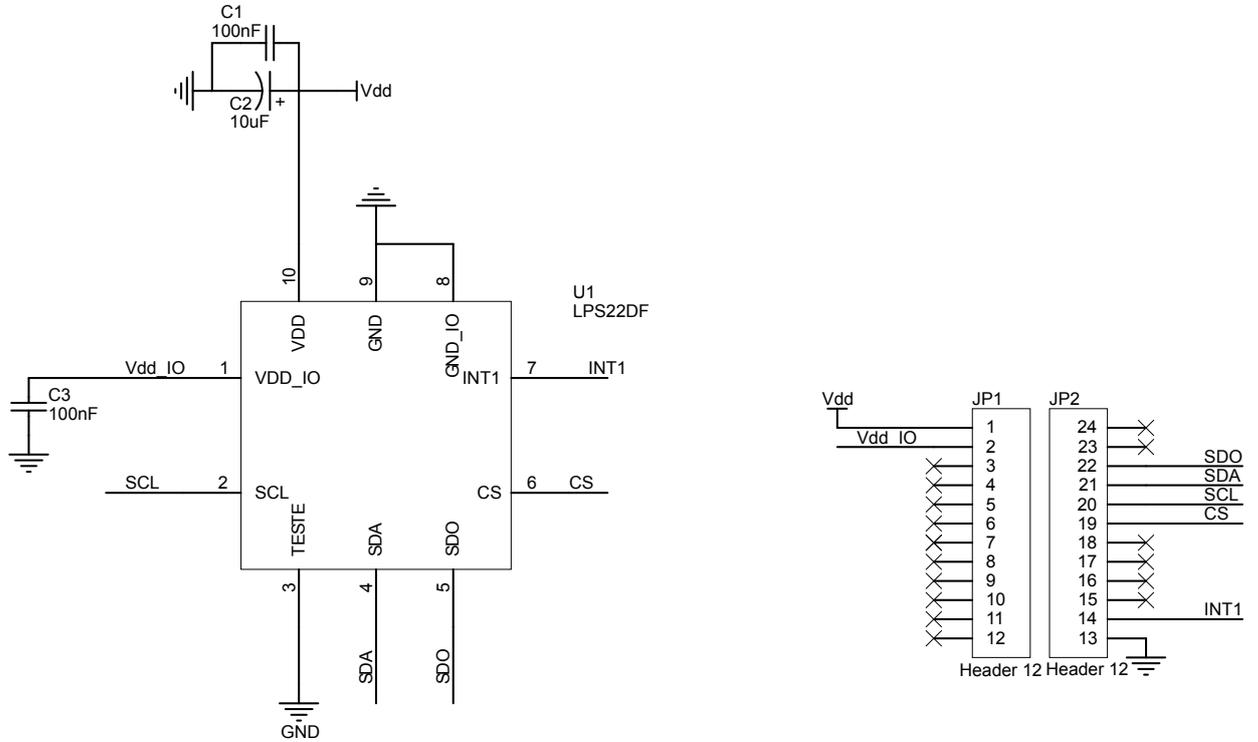
This adapter is supported by the STEVAL-MKI109V3 motherboard, which includes a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use the MEMS Studio downloadable graphical user interface or dedicated software routines for customized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

The STEVAL-MKI224V1 adapter board can also be plugged into other boards like the X-NUCLEO-IKS01A3 expansion board.

Product summary	
LPS22DF adapter board for a standard DIL24 socket	STEVAL-MKI224V1
Low-power and high-precision MEMS nano pressure sensor: 260-1260 hPa absolute digital output barometer	LPS22DF
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

# 1 Schematic diagrams

Figure 1. STEVAL-MKI224V1 circuit schematic



## 2 Board versions

Table 1. STEVAL-MKI224V1 versions

Finished good	Schematic diagrams	Bill of materials
STEVAL\$MKI224V1A <sup>(1)</sup>	STEVAL\$MKI224V1A schematic diagrams	STEVAL\$MKI224V1A bill of materials

1. This code identifies the first version of the STEVAL-MKI224V1 evaluation board.

## Revision history

**Table 2. Document revision history**

Date	Revision	Changes
17-Jan-2022	1	Initial release
27-Aug-2024	2	Updated <a href="#">Description</a> to include MEMS Studio software solution Minor textual updates

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