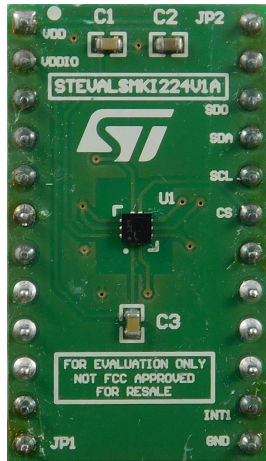


LPS22DF adapter board for a standard DIL24 socket



Features

- Complete [LPS22DF](#) pinout for a standard DIL24 socket
- Fully compatible with the [STEVAL-MKI109D](#) evaluation platform
- 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.

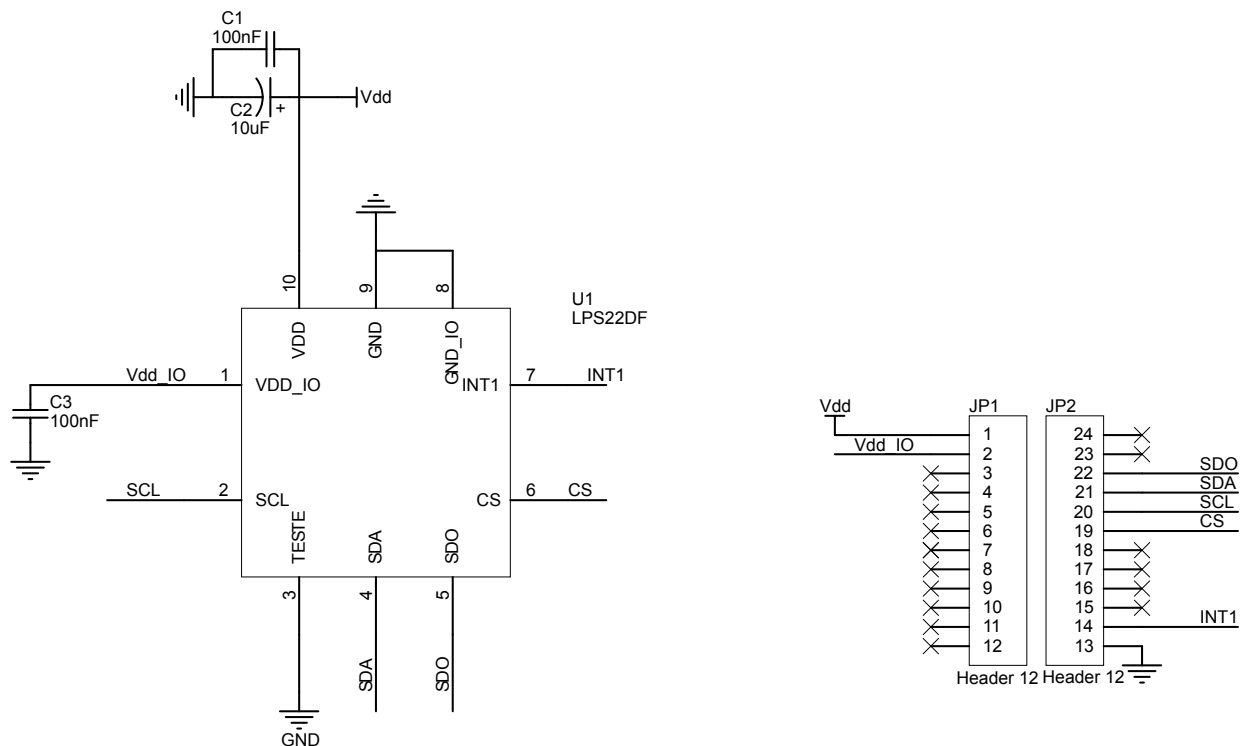
The [STEVAL-MKI224V1](#) can be plugged into a standard DIL24 socket. The adapter provides the complete [LPS22DF](#) pinout and comes ready to use with the required decoupling capacitors on the VDD power supply line.

This adapter is supported by the [STEVAL-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.

| 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 |
| Professional MEMS tool: evaluation board for all ST MEMS sensors | STEVAL-MKI109D |
| 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 ⁽¹⁾ | 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 Description to include MEMS Studio software solution Minor textual updates |
| 07-May-2025 | 3 | Added STEVAL-MKI109D evaluation platform |

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