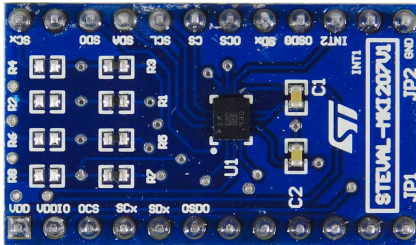


ISM330DHCX adapter board for a standard DIL24 socket



Features

- Complete ISM330DHCX pinout for a standard DIL24 socket
- Fully compatible with the STEVAL-MKI109D evaluation platform
- RoHS compliant
- WEEE compliant

Description

The [STEVAL-MKI207V1](#) is an adapter board designed to facilitate the evaluation of the ISM330DHCX IMU (inertial measurement unit) for industrial applications in the MEMS product portfolio. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

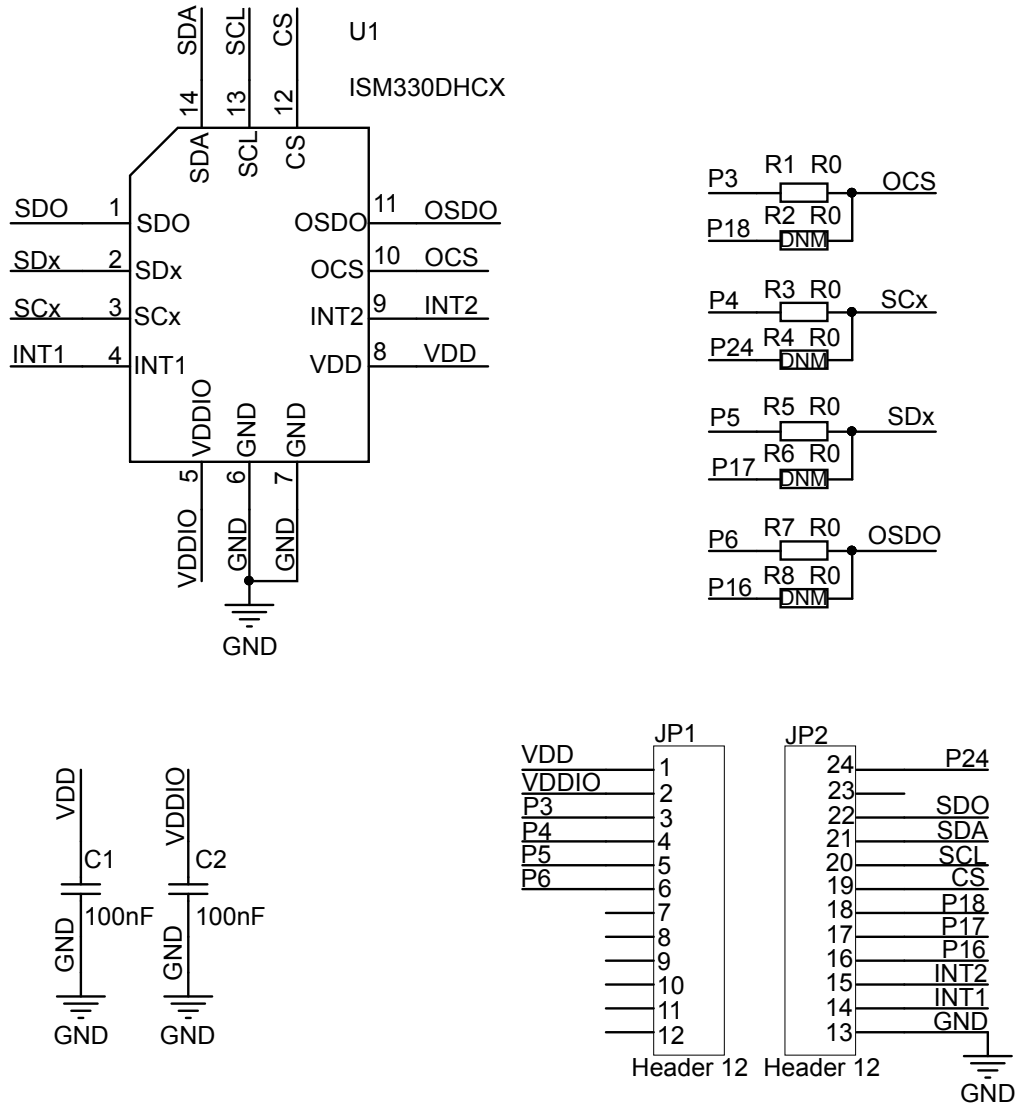
The STEVAL-MKI207V1 can be plugged into a standard DIL24 socket. The adapter provides the complete [ISM330DHCX](#) pinout and comes ready to use with the required decoupling capacitors on the VDD power supply line.

This adapter is supported by the [STEVAL-MKI109D](#) evaluation platform with 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	
ISM330DHCX adapter board for a standard DIL24 socket	STEVAL-MKI207V1
IMU (inertial measurement unit) with machine learning core and finite state machine with digital output for industrial applications	ISM330DHCX
Professional MEMS tool: evaluation board for all ST MEMS sensors	STEVAL-MKI109D
Applications	Industrial sensors

1 Schematic diagrams

Figure 1. STEVAL-MKI207V1 board schematic



Revision history

Table 1. Document revision history

Date	Version	Changes
04-Oct-2019	1	Initial release
05-Sep-2025	2	Added the STEVAL-MKI109D evaluation platform and MEMS Studio software solution

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