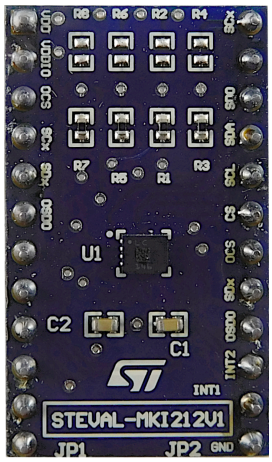
STEVAL-MKI212V1

Data brief

ASM330LHHX adapter board for a standard DIL 24 socket



Features

- Complete ASM330LHHX pinout for a standard DIL 24 socket
- Fully compatible with the STEVAL-MKI109V3 motherboard
- RoHS compliant

Description

The STEVAL-MKI212V1 is an adapter board designed to facilitate the evaluation of MEMS devices in the ASM330LHHX product family. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

The STEVAL-MKI212V1 can be plugged into a standard DIL 24 socket. The adapter provides the complete ASM330LHHX pinout and comes ready-to-use with the required decoupling capacitors on the VDD power supply line.

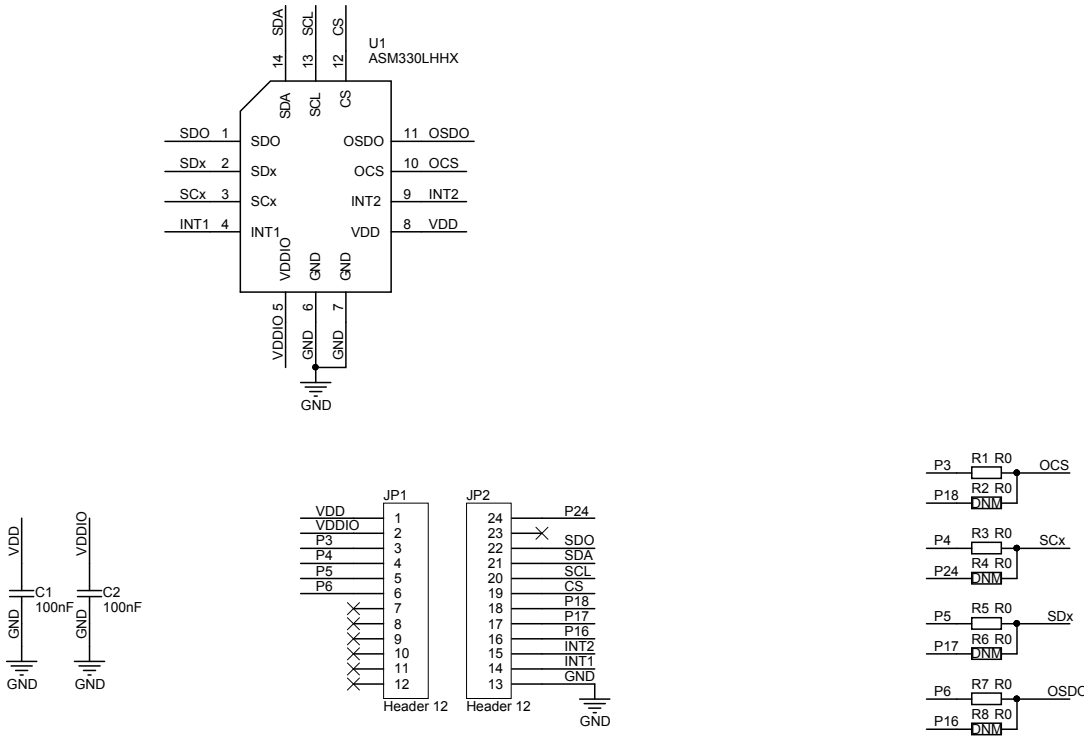
This adapter is supported by the STEVAL-MKI109V3 motherboard, which includes a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC, on which it is possible to use the downloadable graphical user interface (Unico-GUI), or dedicated software routines for customized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

The adapter board can also be plugged into the X-NUCLEO-IKS01A2, X-NUCLEO-IKS01A3, and X-NUCLEO-IKS01A1 expansion boards using the Unicleo-GUI.

Product summary	
ASM330LHHX adapter board for a standard DIL24 socket	STEVAL-MKI212V1
Automotive 6-axis inertial module: 3D accelerometer and 3D gyroscope	ASM330LHHX
MEMS adapter motherboard based on the STM32F401VE	STEVAL-MKI109V3
Motion MEMS and microphone MEMS expansion board for STM32 Nucleo	X-NUCLEO-IKS02A1
Applications	Automotive Motor Control

1 Schematic diagrams

Figure 1. **STEVAL-MKI212V1 circuit schematic**



2 Board versions

Table 1. **STEVAL-MKI212V1 versions**

PCB version	Schematic diagrams	Bill of materials
STEVAL$MKI212V1A (1)	STEVAL$MKI212V1A schematic diagrams	STEVAL$MKI212V1A bill of materials

1. *This code identifies the STEVAL-MKI212V1 evaluation board first version. It is printed on the board PCB.*

Revision history

Table 2. **Document revision history**

Date	Revision	Changes
04-Apr-2022	1	Initial release.

Mouser Electronics

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