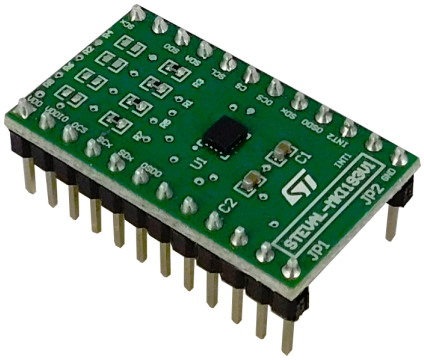
STEVAL-MKI193V1

Data brief

ASM330LHH adapter board for a standard DIL24 socket



Product summary	
ASM330LHH adapter board for a standard DIL24 socket	STEVAL-MKI193V1
Automotive 6-axis inertial module: 3-axis accelerometer and 3-axis gyroscope	ASM330LHH
Professional MEMS tool: ST MEMS adapters motherboard based on the STM32F401VE and compatible with all ST MEMS adapters	STEVAL-MKI109V3
Professional MEMS tool: evaluation board for all ST MEMS sensors	STEVAL-MKI109D

Features

- Complete ASM330LHH pinout for a standard DIL24 socket
- Fully compatible with the STEVAL-MKI109V3 and STEVAL-MKI109D evaluation platforms
- WEEE compliant
- RoHS compliant

Description

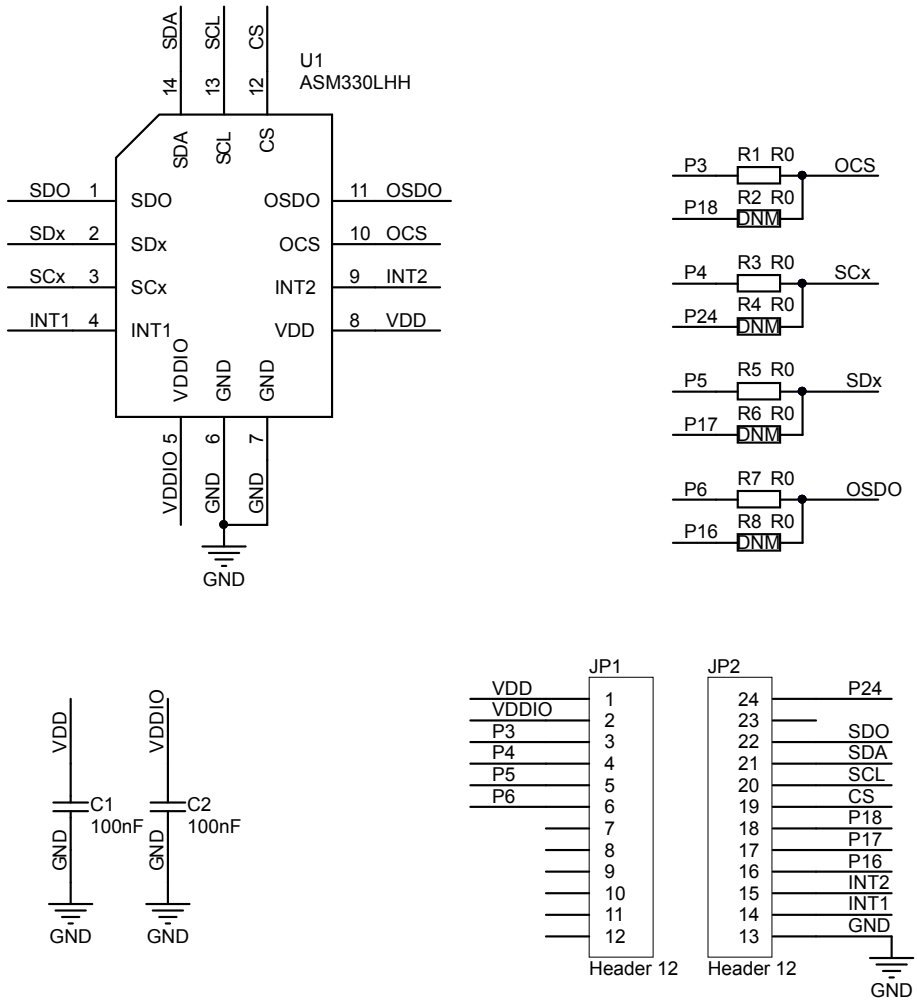
The STEVAL-MKI193V1 is an adapter board designed to facilitate the evaluation of the ASM330LHH automotive 6-axis IMU (inertial measurement unit). The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

The STEVAL-MKI193V1 can be plugged into a standard DIL24 socket. The adapter provides the complete ASM330LHH 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 and STEVAL-MKI109D evaluation platforms that include 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.

1 Schematic diagrams

Figure 1. **STEVAL-MKI193V1 circuit schematic**



Revision history

Table 1. **Document revision history**

Date	Version	Changes
03-Apr-2019	1	Initial release
16-Jan-2025	2	Added STEVAL-MKI109D evaluation platform and MEMS Studio software solution Updated Product summary table Minor textual updates