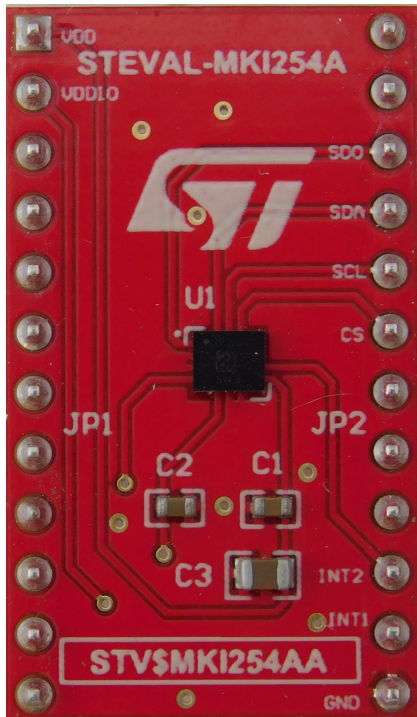


ASM330LHHG1 adapter board for a standard DIL24 socket



Features

- Complete ASM330LHHG1 pinout for a standard DIL 24 socket
- Fully compatible with STEVAL-MKI109D motherboard
- RoHS compliant

Description

The STEVAL-MKI254A is an adapter board designed to facilitate the evaluation of the ASM330LHHG1 6-axis inertial measurement unit (IMU) in automotive applications.

The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

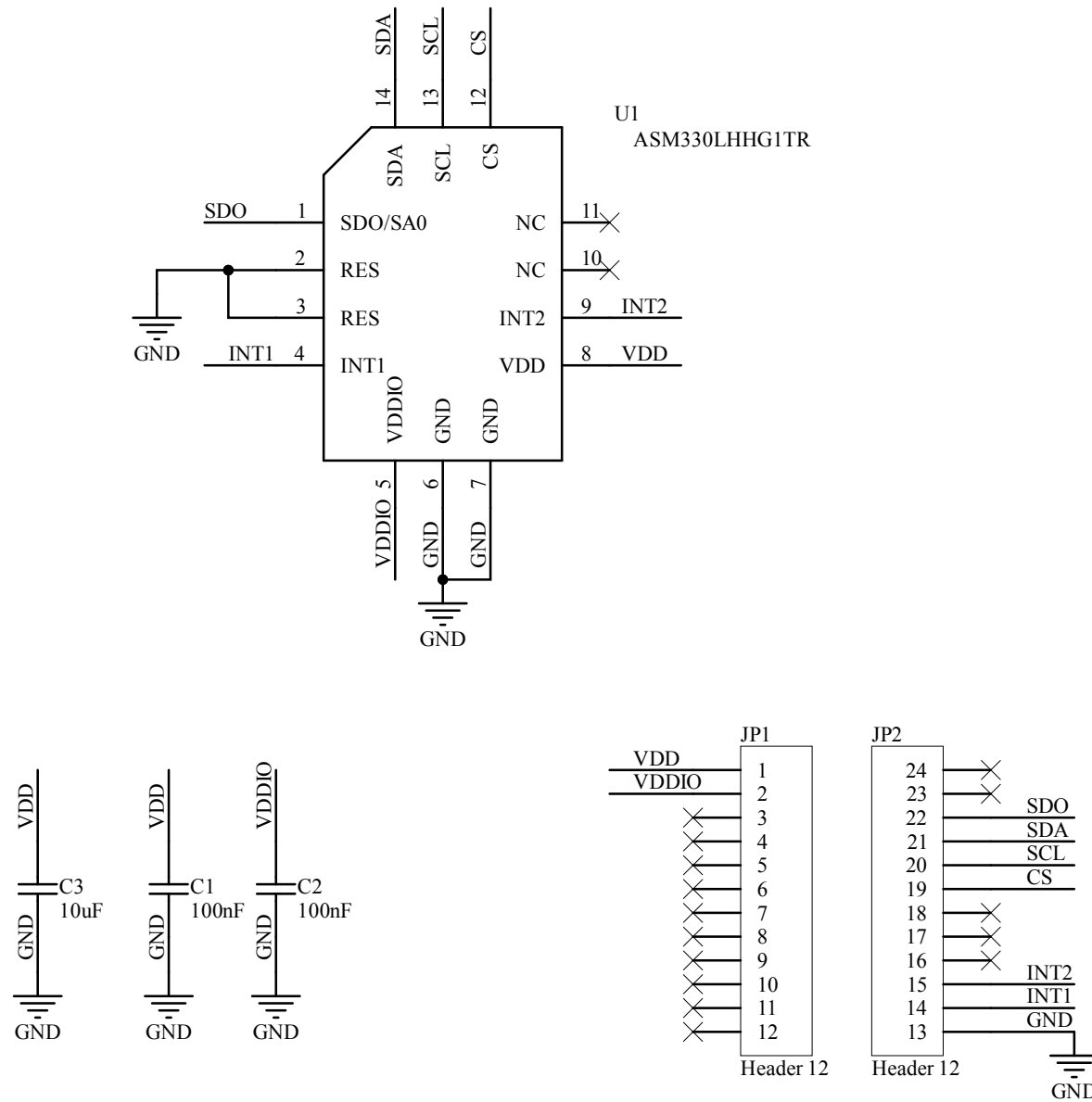
The STEVAL-MKI254A can be plugged into a standard DIL24 socket. The adapter provides the complete ASM330LHHG1 pinout and comes ready to use with the required decoupling capacitors on the VDD power supply line.

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	
ASM330LHHG1 adapter board for a standard DIL24 socket	STEVAL-MKI254A
High-accuracy 6-axis automotive inertial measurement unit (IMU) with dual operating modes	ASM330LHHG1TR
Professional MEMS tool: evaluation board for all ST MEMS sensors	STEVAL-MKI109D
SensorTile.box PRO with multi-sensors and wireless connectivity for any intelligent IoT node	STEVAL-MKBOXPRO
Application	Insurance black box

Schematic diagrams

Figure 1. STEVAL-MKI254A schematic



2 Board versions

Table 1. STEVAL-MKI254A versions

PCB version	Schematic diagrams	Bill of materials
STV\$MKI254AA ⁽¹⁾	STV\$MKI254AA schematic diagrams	STV\$MKI254AA bill of materials

1. This code identifies the STEVAL-MKI254A evaluation board first version. It is printed on the board PCB.



Revision history

Table 2. Document revision history

Date	Revision	Changes
25-Feb-2026	1	Initial release.

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