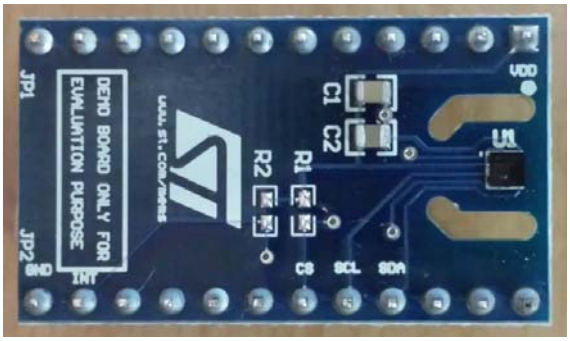
STEVAL-MKI141V2

HTS221 humidity sensor adapter board for standard DIL24 socket (full pinout)

Data brief



Features

- Complete HTS221 pinout (SPI & I²C interface) for a standard DIL 24 socket
- Fully compatible with STEVAL-MKI109V2 motherboard
- RoHS compliant

Description

The STEVAL-MKI141V2 is an adapter board designed to facilitate the evaluation of MEMS devices in the HTS221 product family. The board offers an effective solution for fast system prototyping and device evaluation directly within the user's own application.

The board also offers an example reference design for custom PCB implementation.

The STEVAL-MKI141V2 can be plugged into a standard DIL 24 socket. The adapter provides the full HTS221 pinout and comes ready-to-use with the required decoupling capacitors on the V_{DD} power supply line.

This adapter is supported by the STEVAL-MKI109V2 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.

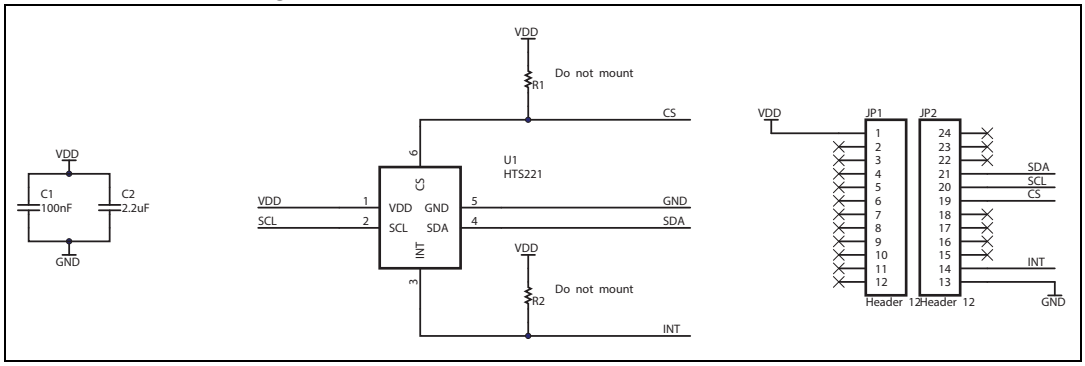
The STEVAL_MKI109V2 must be upgraded to eMotion V3.0.7 FW or later, and the Unico GUI must be rel. 3.0.1.6beta or later.

Note that to obtain accurate measurements, it is recommended to connect the STEVAL-MKI141V2 to the STEVAL-MKI109V2 using cables of 20-30 cm in length, in order to exclude any thermal effects from devices on the main board.

For further information contact your local STMicroelectronics sales office. www.st.com

1 Schematic diagram

Figure 1. STEVAL- MKI141V2 circuit schematic



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
17-Mar-2014	1	Initial release.

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