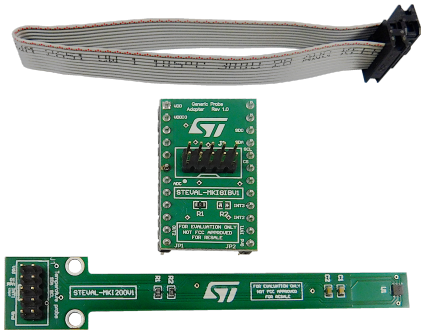
STEVAL-MKI200V1K

Data brief

Temperature probe kit based on STTS22H



Features

- User-friendly STTS22H board
- Complete STTS22H pinout for a standard DIL24 socket
- Fully compatible with the STEVAL-MKI109V3 and STEVAL-MKI109D development platforms
- RoHS compliant
- WEEE compliant

Description

The STEVAL-MKI200V1K evaluation kit consists of a probe with the STTS22H temperature sensor connected using a flat cable to the STEVAL-MKIGIBV1 adapter board, so that it can interface with the STEVAL-MKI109V3 or STEVAL-MKI109D development platforms.

The small package dimensions of the device allow it to be mounted at the end of a very thin probe, so that its temperature readings are not influenced by heat from other electronic components or boards.

The STEVAL-MKIGIBV1 can be plugged into a standard DIL24 socket.

The kit provides the complete STTS22H pinout and comes ready to use with the required decoupling capacitors on the VDD power supply line.

The STEVAL-MKI109V3 and STEVAL-MKI109D development platforms feature a high-performance 32-bit microcontroller functioning as a bridge between the sensor and a PC on which it is possible to use the MEMS Studio downloadable graphical user interface or dedicated software routines for customized applications.

Product summary	
Temperature probe kit based on STTS22H	STEVAL-MKI200V1K
Low-voltage, ultralow-power, 0.5°C accuracy I²C/SMBus 3.0 temperature sensor	STTS22H
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
Applications	Metering

1 Schematic diagrams

Figure 1. STEVAL-MKIGIBV1 circuit schematic

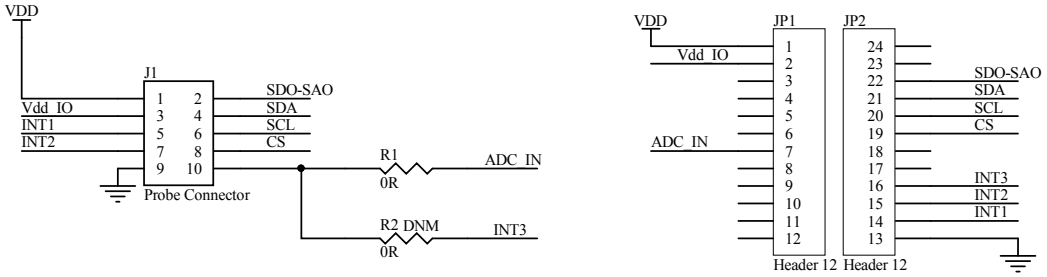
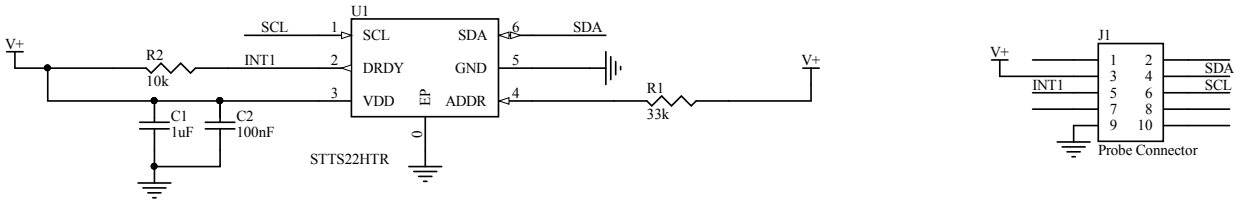


Figure 2. STEVAL-MKI200V1 board schematic



Revision history

Table 1. **Document revision history**

Date	Version	Changes
25-Oct-2019	1	Initial release
26-Apr-2021	2	Updated schematic. Updated product summary.
18-Oct-2024	3	Updated Description to include STEVAL-MKI109D development platform and MEMS Studio software solution Updated product summary Minor textual updates

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