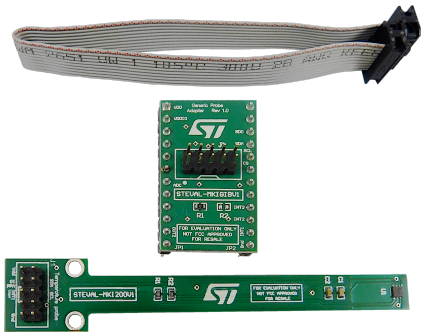
STEVAL-MKI200V1K

Data brief

Temperature probe kit based on STTS22H



Features

- User friendly STTS22H board
- Complete STTS22H pinout for a standard DIL 24 socket
- Fully compatible with and STEVAL-MKI109V3 motherboards
- RoHS compliant
- WEEE compliant

Description

The STEVAL-MKI200V1K evaluation kit consists of a probe with the STTS22H temperature sensor connected via flat cable to the STEVAL-MKIGIBV1 adapter board, so it can interface with the STEVAL-MKI109V3 motherboard.

The small package dimensions of the device allow it to be mounted at the end of a very thin probe, so 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 motherboard features a high performance 32-bit microcontroller functioning as a bridge between the sensor and a PC running the free Unico GUI graphical user interface or dedicated software routines for customized applications.

Product summary	
Temperature probe kit based on STTS22H	STEVAL-MKI200V1K
Low-voltage, ultra-low-power, 0.5 °C accuracy I2C/SMBus 3.0 temperature sensor.	STTS22H
ST MEMS adapter motherboard based on STM32F401VE compatible ST MEMS adapters	STEVAL-MKI109V3
Applications	Metering

1 Schematic diagrams

Figure 1. STEVAL-MKIGIBV1 circuit schematic

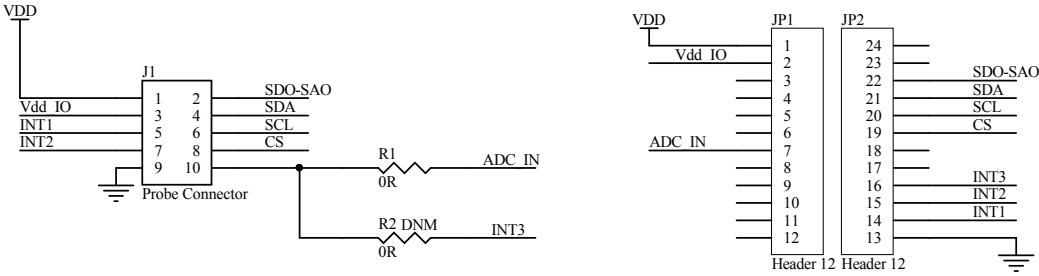
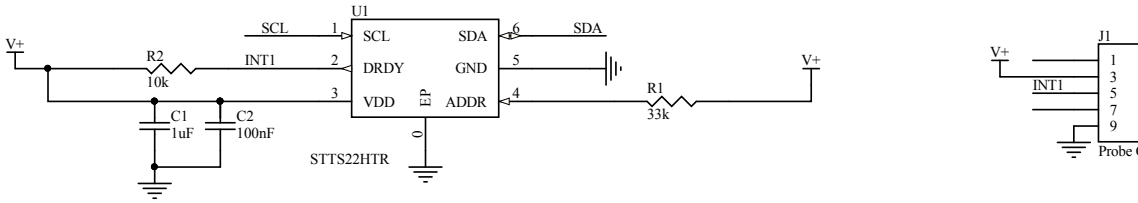


Figure 2. STEVAL-MKI200V1 board schematic



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.

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