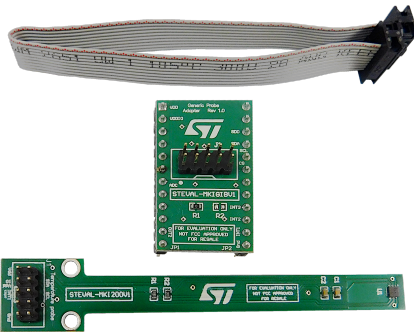


Temperature probe kit based on STTS22H



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

1 Schematic diagrams

Figure 1. STEVAL-MKIGIBV1 circuit schematic

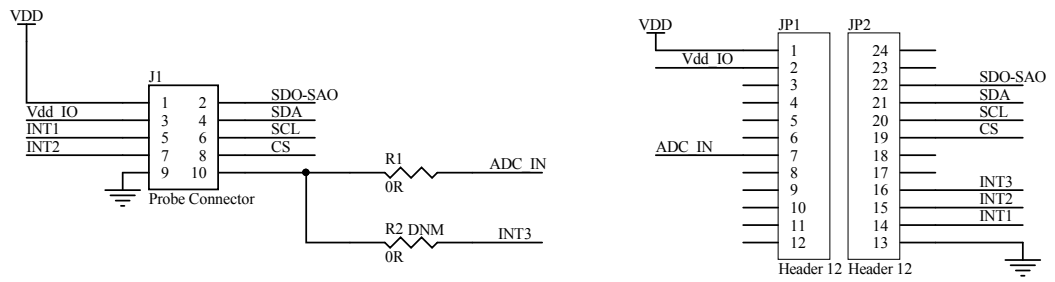
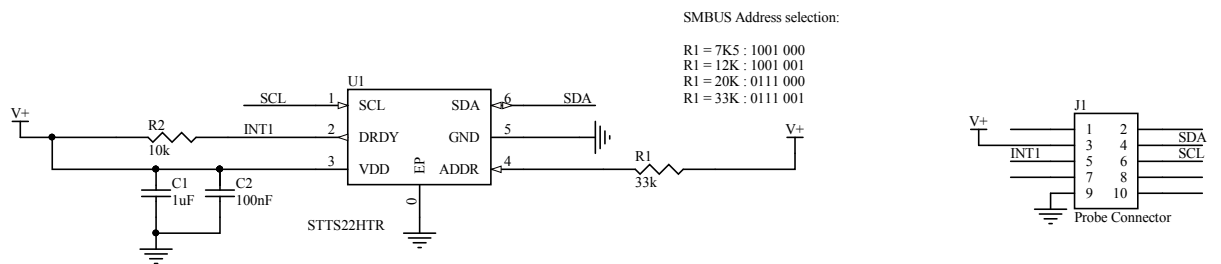


Figure 2. STEVAL-MKI200V1 board schematic



Revision history

Table 1. Document revision history

Date	Version	Changes
25-Oct-2019	1	Initial release.

IMPORTANT NOTICE – PLEASE READ CAREFULLY

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, please refer to www.st.com/trademarks. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2019 STMicroelectronics – All rights reserved