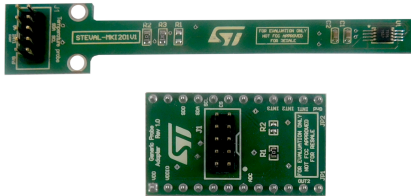# Temperature probe kit based on STTS75

Features

- User friendly STTS75 board
- Complete STTS75 pinout for a standard DIL24 socket
- Fully compatible with STEVAL-MKI109V3 motherboards
- RoHS compliant
- WEEE compliant

Description

The STEVAL-MKI201V1K evaluation kit consists of a probe with the STTS75 temperature sensor connected via flat cable to the STEVAL-MKIGIBV1 adapter board, so it can interface with the STEVAL-MKI109V3 motherboard.

The device small package dimensions allow it to be mounted on top of a very thin probe, so it can take temperature readings not influenced by heat from other electronic components or boards.
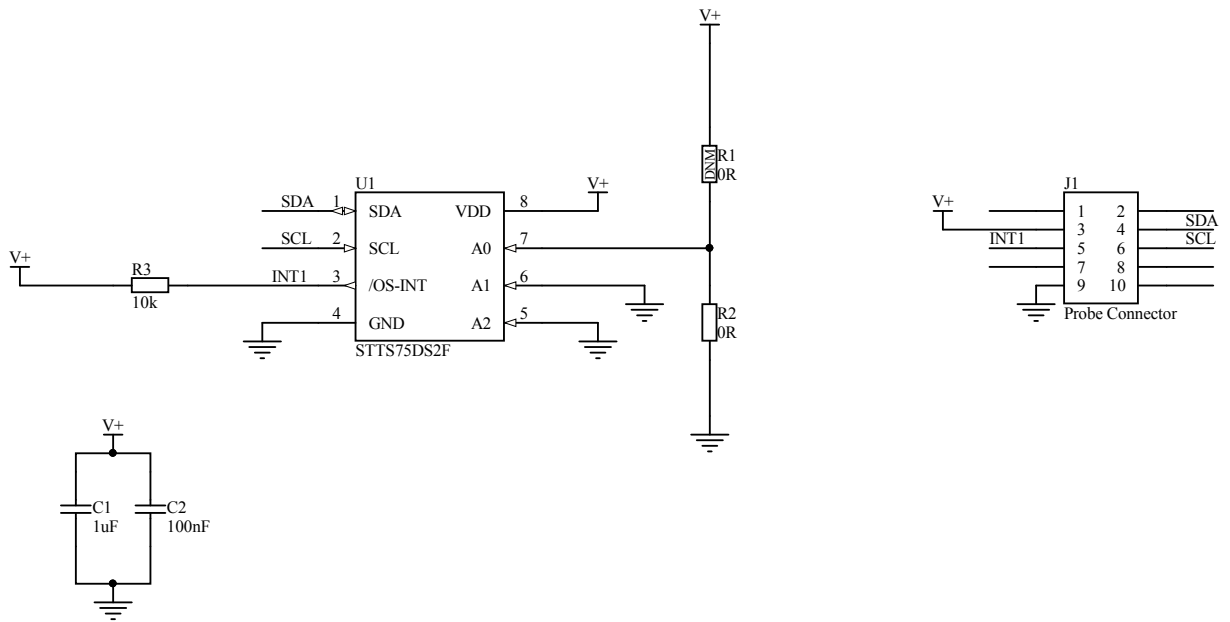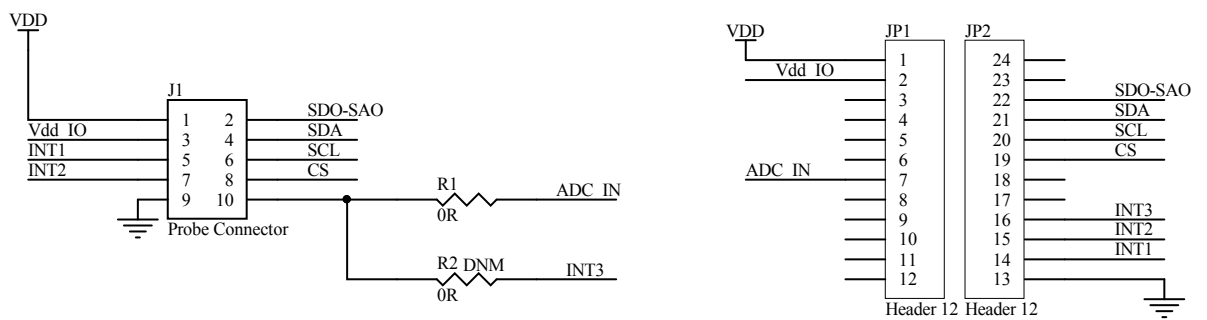
The STEVAL-MKIGIBV1 can be plugged into a standard DIL24 socket.

The kit provides the complete STTS75 pinout and comes ready-to-use with the required decoupling capacitors on the VDD power supply line.

The STEVAL-MKI109V3 motherboards feature 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 STTS75	STEVAL-MKI201V1K
Digital temperature sensor and thermal watchdog, delta-sigma analog-to-digital (ADC) converter, I2C interface	STTS75
ST MEMS adapter motherboard based on the STM32F401VET6 compatible with ST MEMS adapters	STEVAL-MKI109V3

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For further information contact your local STMicroelectronics sales office.

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1 Schematic diagrams

Figure 1. STEVAL-MKI201V1 board schematic

Figure 2. STEVAL-MKIGIBV1 board schematic

Revision history

Table 1. Document revision history

Date	Version	Changes
21-Dec-2018	1	Initial release.