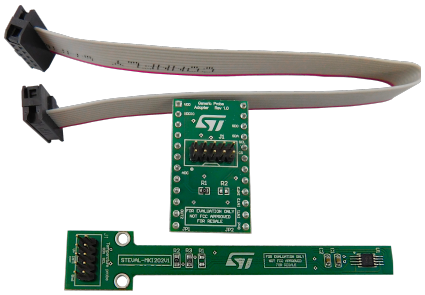
STEVAL-MKI202V1K

Temperature probe kit based on STDS75





Product summary	
Temperature probe kit based on STDS75	STEVAL-MKI202V1K
Digital temperature sensor and thermal watchdog	STDS75
ST MEMS adapter motherboard based on the STM32F401VET6 compatible with ST MEMS adapters	STEVAL-MKI109V3

Features

- User friendly STDS75 board
- Complete STDS75 pinout for a standard DIL 24 socket
- Fully compatible with and STEVAL-MKI109V3 motherboards
- RoHS compliant
- WEEE compliant

Description

The STEVAL-MKI202V1K evaluation kit consists of a probe with the STDS75 temperature sensor connected via flat cable to the STEVAL-MKIGIBV1 adapter board, so it can interface with the STEVAL-MKI109V3.

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

The STEVAL-MKIGIBV1 can be plugged into a standard DIL 24 socket. The kit provides the complete STDS75 pin-out and comes ready-to-use with the required decoupling capacitors on the VDD power supply line.

This adapter is supported by the STEVAL-MKI109V3 with 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.

This adapter can interface with STEVAL-MKI109V3 motherboards featuring the 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.

1 Schematic diagrams

Figure 1. **STEVAL-MKI202V1 board schematic**

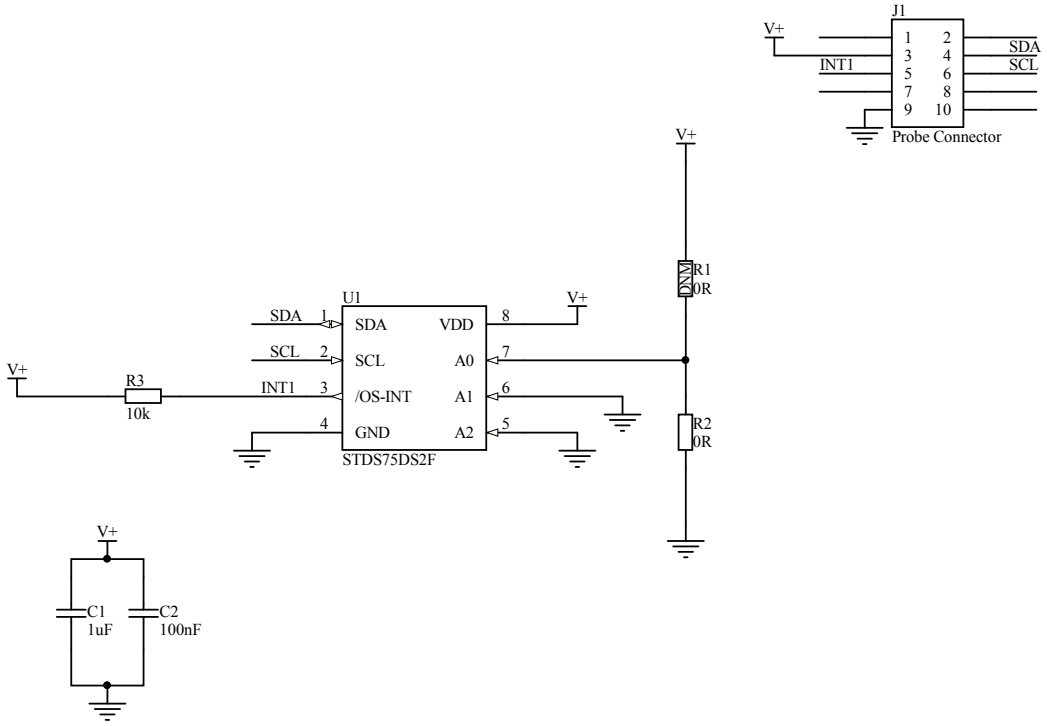
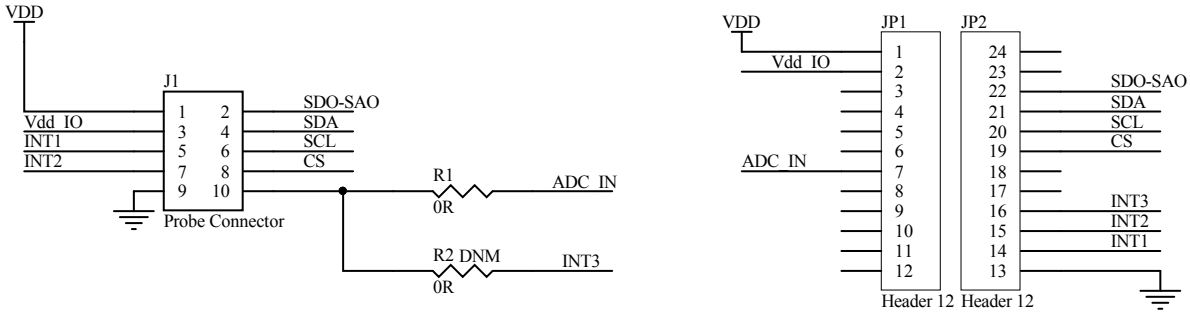


Figure 2. **STEVAL-MKIBIBV1 board schematic**



Revision history

Table 1. **Document revision history**

Date	Version	Changes
07-Feb-2018	1	Initial release.

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