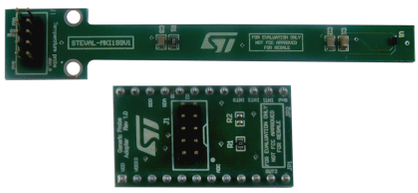
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STEVAL-MKI199V1K

Data brief

Temperature probe kit based on STLM20





Features

- User friendly STLM20 board
- Complete STLM20 pinout for a standard DIL24 socket
- Fully compatible with STEVAL-MKI109V3 motherboards
- RoHS compliant
- WEEE compliant

Description

The STEVAL-MKI199V1K evaluation kit consists of a probe with the STLM20 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 STLM20 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 STLM20	STEVAL-MKI99V1K
Analog temperature sensor, ultra-low current 2.4 V, high precision	STLM20
ST MEMS adapter motherboard based on the STM32F401VET6 compatible with ST MEMS adapters	STEVAL-MKI09V3

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1 Schematic diagrams

Figure 1. **STEVAL-MKI199V1 board schematic**

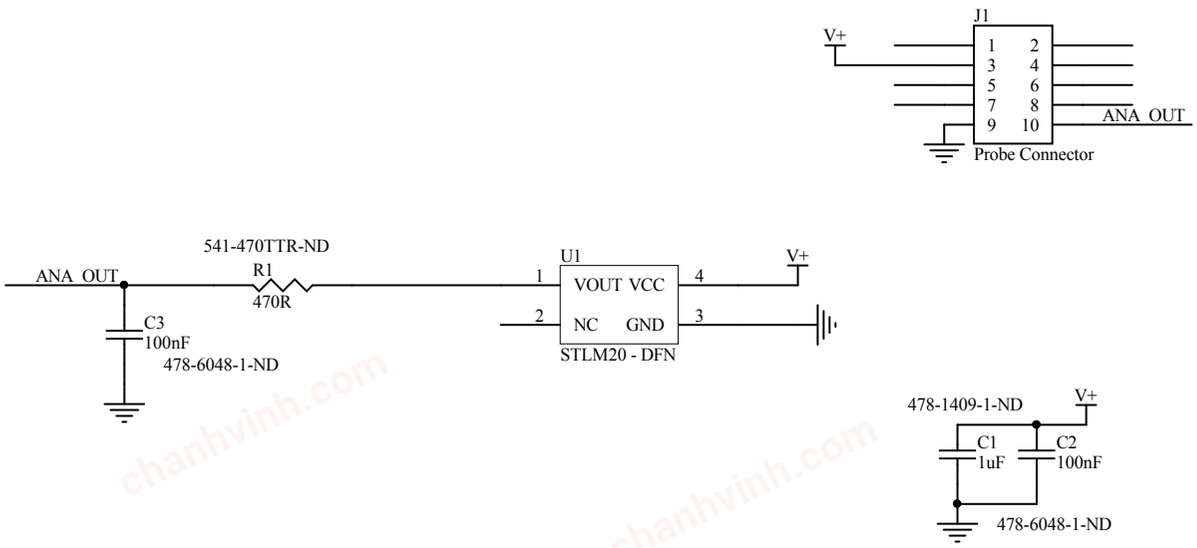
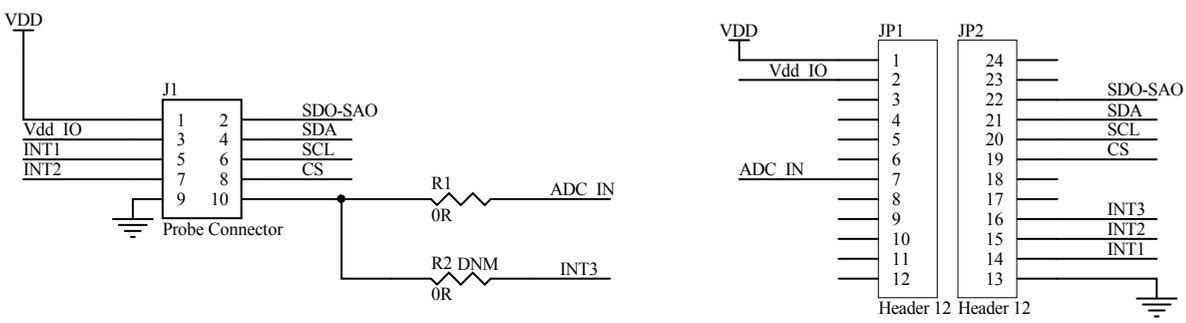


Figure 2. **STEVAL-MKIGIBV1 board shematic**



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Revision history

Table 1. **Document revision history**

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

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