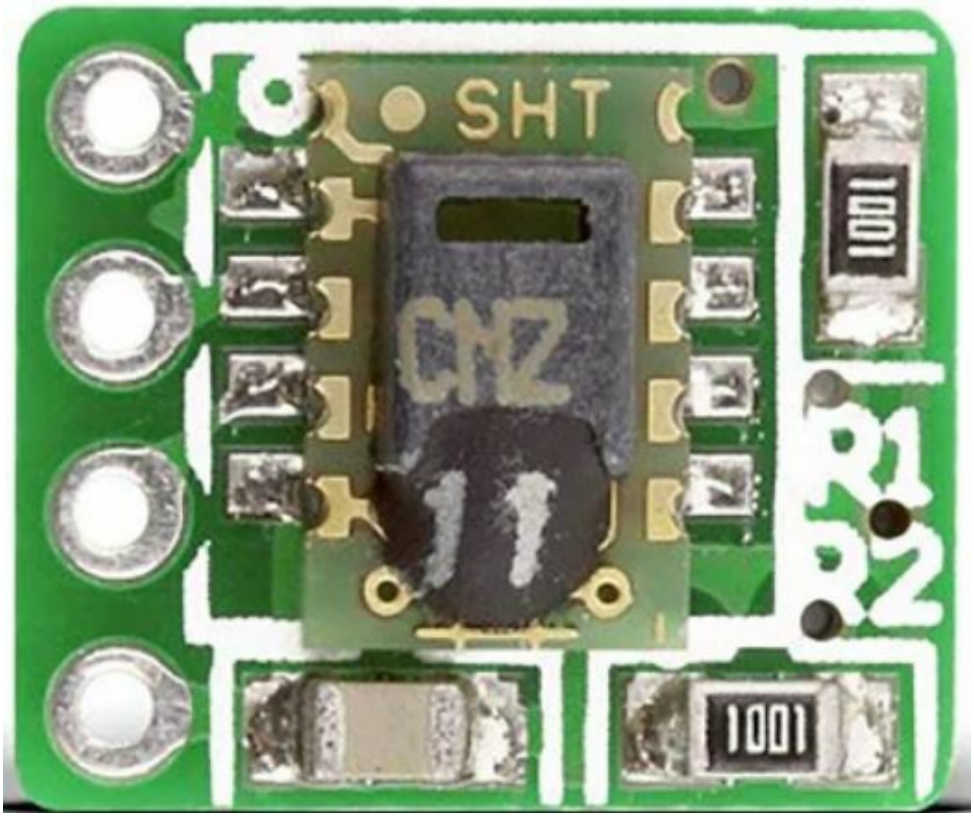
MikroElektronika SHT1X PROTO Additional Board Instruction Manual

Contents

MikroElektronika SHT1X PROTO Additional Board



Product Information

All Mikroelektronika's development systems feature a large number of peripheral modules expanding the microcontroller's range of applications and making the process of program testing easier. In addition to these modules, it is also possible to use numerous additional modules linked to the development system through the I/O port connectors. Some of these additional modules can operate as stand-alone devices without being connected to the microcontroller.

Additional board

The SHT1X PROTO additional board is used to measure temperature and relative humidity.

Key features

- Serial communication
- Measuring humidity (0 – 100%)
- Measuring temperature (-40 to +125°C)
- Low power consumption
- 2.4 to 5.5V power supply voltage

How to connect the board?

The SHT1X PROTO additional board is connected to a microcontroller or some other device via pads CN1. Communication is performed via serial communication. Only two communication lines are used for this purpose: SDA – serial data transfer and SCL – serial clock.

If you want to learn more about our products, please visit our website at **www.mikroe.com**
If you are experiencing some problems with any of our products or just need additional information, please place your ticket at **www.mikroe.com/en/support**

If you have any questions, comments, or business proposals, do not hesitate to contact us at **office@mikroe.com**

All Mikroelektronika's development systems feature a large number of peripheral modules expanding microcontroller's range of application and making the process of program testing easier. In addition to these modules, it is also possible to use numerous additional modules linked to the development system through the I/O port connectors. Some of these additional modules can operate as stand-alone devices without being connected to the microcontroller.

SHT1X PROTO

- The SHT1X PROTO additional board is used measure temperature and relative humidity.

Key Features

Figure 1: SHT1X PROTO additional board

- Serial communication;
- Measuring humidity (0 – 100%);
- Measuring temperature (-40 to +125Co);
- Low power consumption; and
- 2.4 to 5.5V power supply voltage.

Using Instructions

How to connect the board?

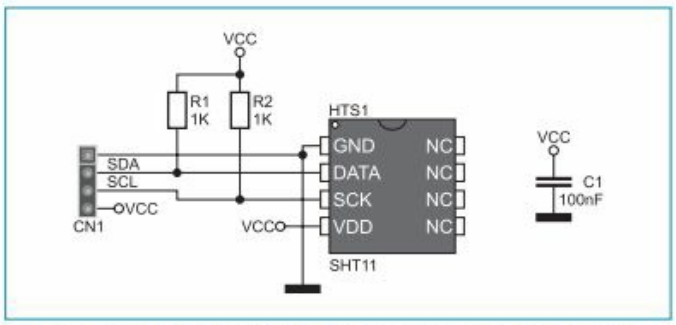


Figure 2: SHT1X PROTO board connection schematic

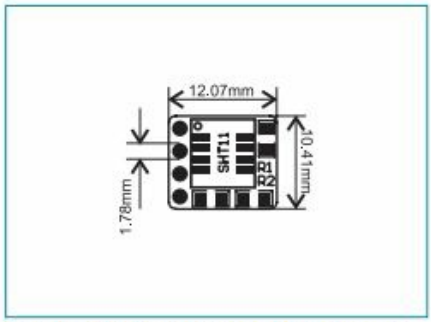


Figure 3: Dimensions of the board

The SHT1X PROTO additional board is connected to a microcontroller or some other device via pads CN1. Communication is performed via serial communication. Only two communication lines are used for this purpose: SDA – serial data transfer and SCL – serial clock.

More Information

- **If you want to learn more about our products, please visit our website at: www.mikroe.com**
- **If you are experiencing some problems with any of our products or just need additional information, please place your ticket at: www.mikroe.com/en/support**
- **If you have any questions, comments or business proposals, do not hesitate to contact us at: office@mikroe.com**

Documents / Resources

	MikroElektronika SHT1X PROTO Additional Board [pdf] Instruction Manual SHT1X PROTO, SHT1X PROTO Additional Board, Additional Board, Board

References

- Time-saving embedded tools - MIKROE
- MikroElektronika support is here to help - MIKROE