

## Requirements

The following components are required to use the board:

- 1 micro:bit, e.g. Conrad item no.: 2253828

## Hardware

The pin strips are marked as follows:

- G GND (ground)
- V +3 V/DC
- S Signal (micro:bit pin)

The pin assignment of the inputs/outputs corresponds to the markings on the circuit board.

## Operation

Insert the micro:bit into the slot provided on the circuit board. The 5x5 LED matrix must be aligned in such a way that you can read the markings on the circuit board.

When using this circuit board, the micro:bit can be supplied with power via USB or the battery holder as usual.

Alternatively, the voltage can be supplied via the contacts with the holes, the pin strips or via the screw terminals. In this case, you may only use a supply voltage of 3 to 3.3 V/DC!

## Disposal



Electronic devices are recyclable waste and must not be placed in household waste. At the end of its service life, dispose of the product in accordance with the applicable regulatory guidelines.

You thus fulfil your statutory obligations and contribute to protection of the environment.

## Technical data

Power supply .....	3 - 3.3 V/DC
Pin spacing of pin strip (width).....	2.54 mm
Distance between screw terminals.....	3.5 mm
Mounting holes Ø .....	2.8 mm
Dimensions (W x H x D) .....	41 x 12 x 76 mm
Weight .....	26 g

BN 2268135

# Terminal Blocks Shield for micro:bit

## GB Operating instructions

### Latest operating instructions

Download the latest operating instructions at [www.conrad.com/downloads](http://www.conrad.com/downloads) or scan the QR code shown. Follow the instructions on the website.



### Delivery contents

- Terminal Blocks Shield for micro:bit

### Description

The micro:bit is a powerful, low-cost, fully programmable single board computer developed by the BBC. It was designed to encourage children to actively engage in technical activities such as programming and electronics.

It features a 5x5 LED matrix, two integrated buttons, a compass, an accelerometer and Bluetooth®.

It supports the graphical programming interface PXT (Make-Code). This can be used on Microsoft Windows®, MacOS, iOS, Android™ and many other operating systems without downloading an additional compiler.

The additional board has been specially developed for the micro:bit single board computer. The board guides the pins of the micro:bit onto pin strips, gold-plated contacts with a 3 mm hole and screw terminals. This allows you to easily connect sensors, actuators or your own circuits using jumpers or individual wires.

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

### Product features

- 1x slot for micro:bit single board computer
- 4x 2.8 mm holes for mounting
- 8x gold-plated contacts with 3 mm hole: 2x 3V, 2x GND, micro:bit Pin P0, P1, SCL, SDA
- 19x pin strips with 3 contacts each (G, V, S) for sensors
- 15x screw terminal contacts

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