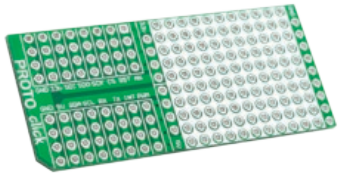
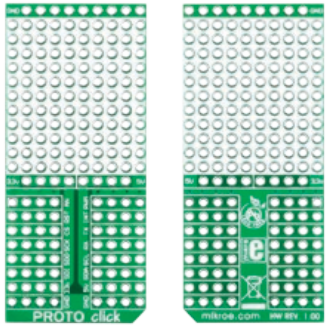


PROTO click™

1. Introduction



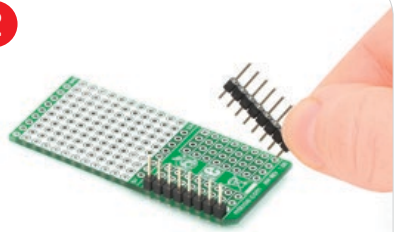
PROTO click™ is an accessory board in **mikroBUS™** form factor. It features 10x11 prototyping area as well as additional power pads. It can be used to assemble custom electronics thus creating a custom click™ board. PROTO click™ contains **mikroBUS™** I²C (SDA, SCL), SPI (MISO, MOSI, SCK, CS), UART (TX, RX), PWM, INT, AN and RST lines from the target board microcontroller. The board provides 3.3 V and 5 V power supply.

2. Soldering the headers

Before using your click™ board, make sure to solder 1x8 male headers to both left and right side of the board. Two 1x8 male headers are included with the board in the package.

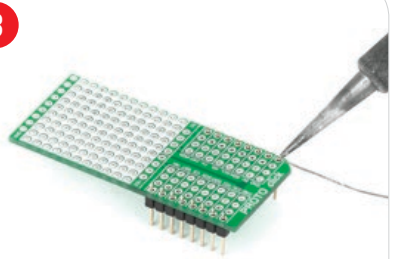
1

2

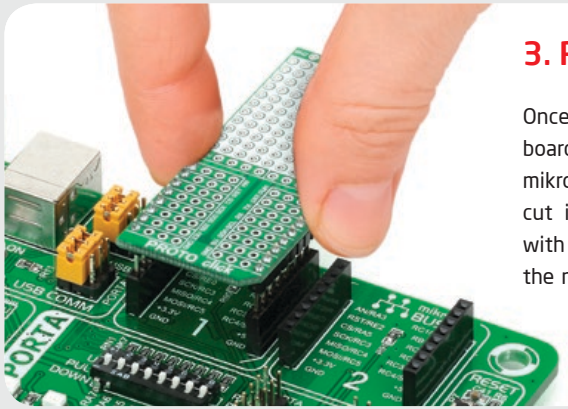


Turn the board upside down so that bottom side is facing you upwards. Place shorter pins of the header into the appropriate soldering pads.

3

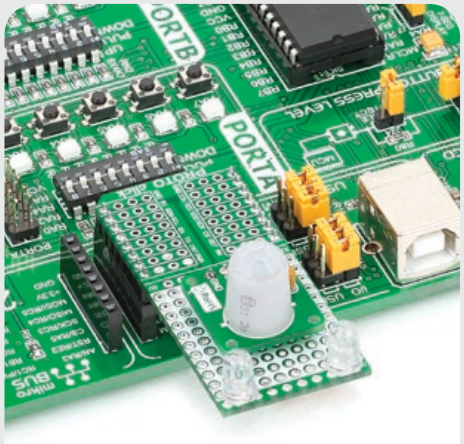


Turn the board upward again. Make sure to align the headers so that they are perpendicular to the board, then solder the pins carefully.



3. Plugging the board in

Once you have soldered the headers your board is ready to be placed into desired mikroBUS™ socket. Make sure to align the cut in the lower-right part of the board with the markings on the silkscreen at the mikroBUS™ socket. If all of the pins are aligned correctly, push the board all the way into the socket.



4. Application and features

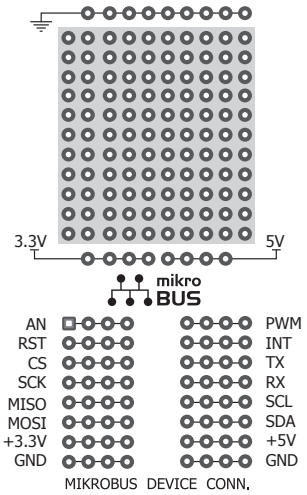
PROTO click™ board is a cheap and effective solution for creating click board of your own design. Add sensors, drivers, passive components and make the click board which suits your project needs. You can use it with all your favorite development boards with mikroBUS™ sockets.

click™
BOARD
www.mikroe.com

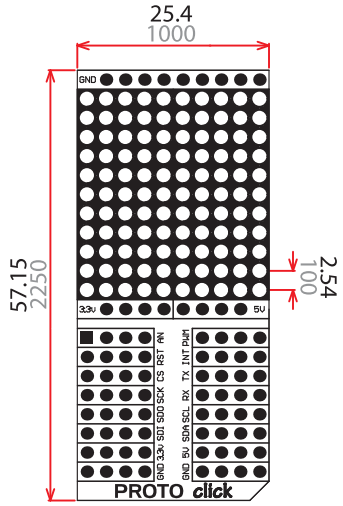
PROTO click Manual
ver. 1.00

0 100000 025192

5. PROTO click™ Board Schematic



6. Board Dimensions



Legend

mm

mils

7. Support

MikroElektronika offers **Free Tech Support (www.mikroe.com/support)** until the end of product lifetime, so if something goes wrong, we are ready and willing to help!

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