WiFly click
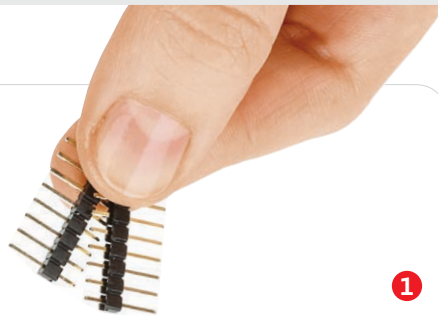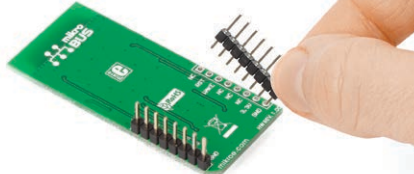
2. Soldering the headers

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.
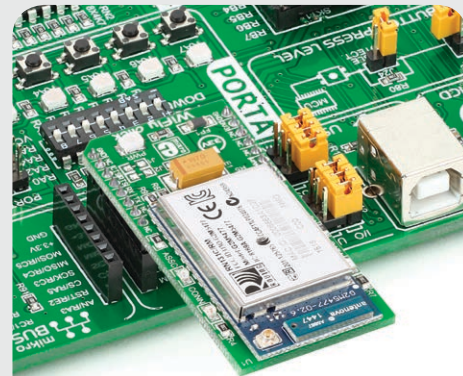
❶

❷

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

❸

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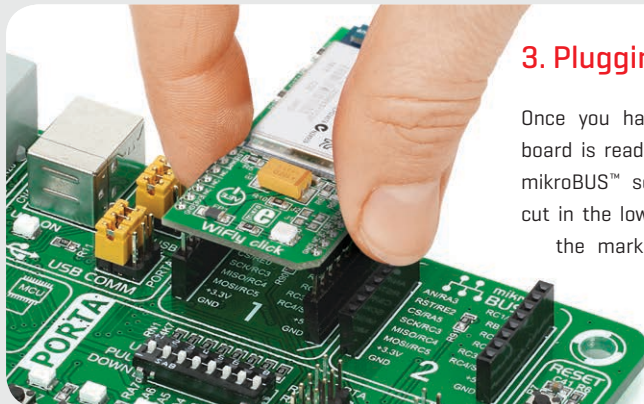
4. Essential features

The RN-131 module's firmware makes it easy to set up, scan for access points, associate, authenticate and connect the WiFly click to a Wi-Fi network. The module is **controlled with simple ASCII commands**. It has a multitude of networking applications built in: DHCP, UDP, DNS, ARP, ICMP, TCP, HTTP client, and FTP client. Data rates of up to 1 Mbps are achievable through UART. It contains both an onboard chip antenna and a connector for an external antenna. .

1. Introduction

WiFly click carries **RN-131**, a standalone, embedded wireless LAN module. It allows you to connect your devices to **802.11 b/g** wireless networks. The module includes preloaded firmware which simplifies integration. The mikroBUS™ UART interface alone (RX, TX pins) is sufficient to establish a wireless data connection. Additional functionality is provided by RST, WAKE, RTSb and CTSb pins. The board uses a 3.3V power supply only.

3. Plugging the board in

Once you have soldered the headers your board is ready to be placed into the 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 the pins are aligned correctly, push the board all the way into the socket.
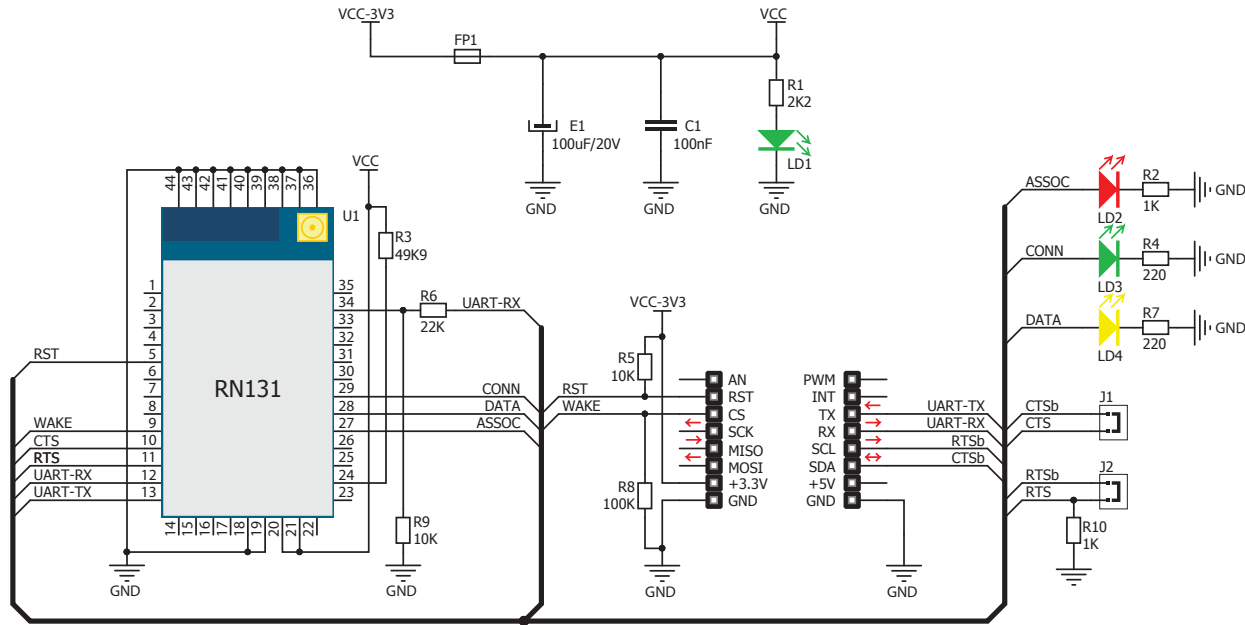
click
BOARD™

www.mikroe.com

WiFly click manual
ver 1.00

0100000081976

5. Schematic

6. Dimensions

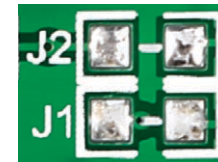|	mm	mils
LENGTH	57.15	2250
WIDTH	25.4	1000
HEIGHT*	5.33	210

* without headers

7. SMD jumpers

J1 and J2 jumper positions are for enabling or disabling the functionality of RTS and CTS control pins. To put them to use, solder Zero ohm resistors

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