

BlueTooth Stick™

Manual

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.

Additional Board

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Pinout:

Pads pinout:

- RX: MCU UART receive Input;
- TX: MCU UART transmit output;
- CTS: MCU Clear To Send;
- RTS: MCU Request To Send;
- VCC-3.3V: 3.3V DC power supply; and
- GND: Ground.

Bluetooth module RN41 pinout:

- PIO3: Auto discovery = HIGH. Input to RN41 with weak pulldown;
- PIO4: Set factory defaults. Input to RN41 with weak pulldown;
- PIO5: Status, toggles based on state, LOW on connect. Output from RN41;
- PIO6: Set BT master (HIGH=auto-master mode). Input to RN41 with weak pulldown;
- PIO7: Set Baud rate (HIGH = force 9600, LOW = 115K or firmware setting). Input to RN41 with weak pulldown;
- UART-RX: UART receive. Input to RN41;
- UART-TX: UART transmit output. High level output from RN41;
- UART-CTS: UART CTS, if set HIGH, disables transmitter. Low level input to RN41;
- UART-RTS: UART RTS, goes HIGH to disable host transmitter. Low level output from RN41;
- VCC: 3.3V DC power supply; and
- GND: Ground.

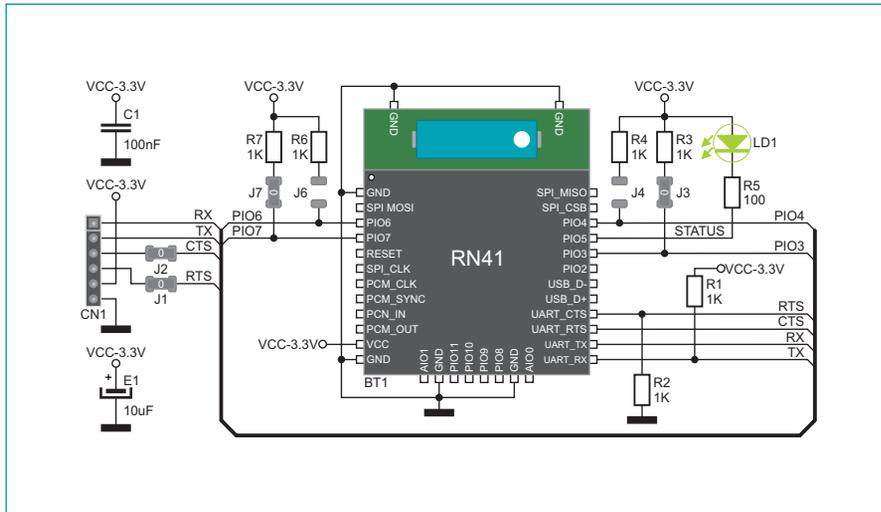


Figure 2: BlueTooth Stick connection schematic

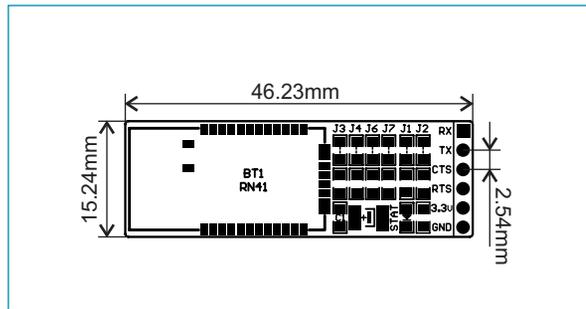


Figure 3: Dimensions of the Bluetooth Stick board



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