Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

BlueTooth 2 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

MikroElektronika
SOFTWARE AND HARDWARE SOLUTIONS FOR EMBEDDED WORLD   ...making it simple

BlueTooth 2 Stick

The BlueTooth 2 Stick is an additional board which enables the microcontroller to communicate with wireless devices.

Key features:

- Serial UART communication;
- Support for 802.11 Coexistence;
- Range up to 1000m;
- 3.3V DC power supply.

Figure 1: BlueTooth 2 Stick

Appliance:

The BlueTooth 2 Stick additional board is used as a wireless interface between microcontroller and other bluetooth device. For communication with a microcontroller, the additional board uses serial UART communication. To connect this additional board to a microcontroller you can use six marked pads (CN1). It is also possible to solder a 1x6 male header to pads.

Jumper settings:

The additional board comes with soldered smd jumpers which can be removed by desoldering.

Jumpers description:

- J1: Enables connection between RTS pad and bluetooth module RN41;
- J2: Enables connection between CTS pad and bluetooth module RN41;

Pinout:

Pads pinout (CN1):

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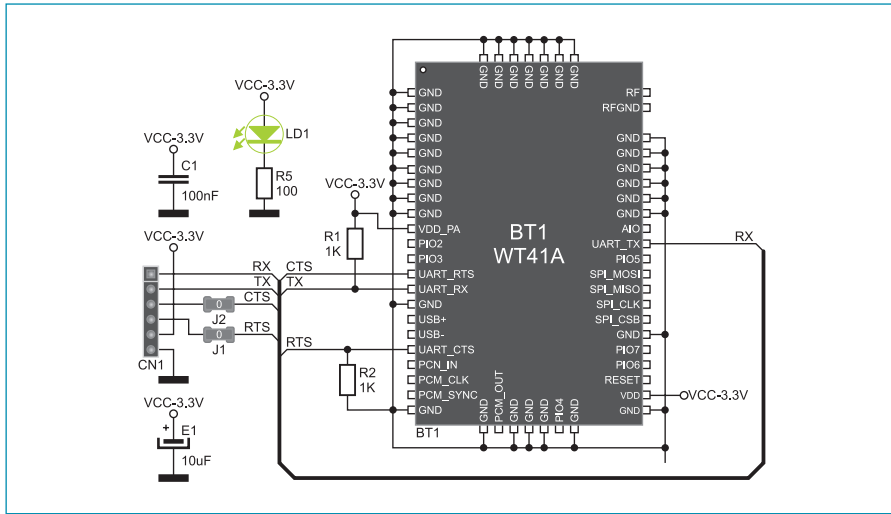- VCC-3.3V: 3.3V DC power supply; and
- GND: Ground.

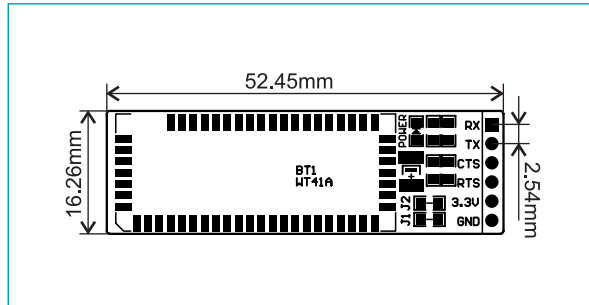**Figure 2**: BlueTooth 2 Stick connection shematic

Figure 3: Dimensions of the Bluetooth 2 Stick board