



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



BeePROTOTM

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

BeePROTO

The BeePROTO additional board enables wireless communication via the ZigBee module whose operation is in compliance with the IEEE802.15.4 standard. The additional board communicates to the microcontroller via UART connection.

Key features:

- High RX sensitivity (-101 dBm);
- Up to 3 dBm output power;
- Very low power consumption (< 6 μ A in deep sleep mode);
- 2.4 GHz ISM band;
- Power supply 3.3 or 5V DC.

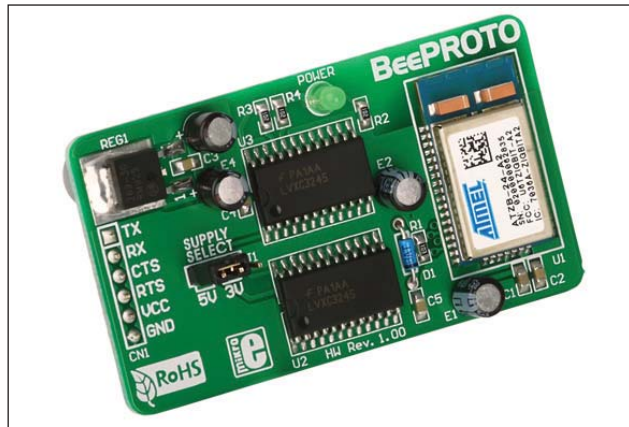


Figure 1: BeePROTO additional board

How to connect the board?

The BeePROTO additional board is connected to a microcontroller or some other device via pads CN1. Jumper J1 is used to select power supply voltage (3.3V or 5V) to be used to power the additional board.

The function of pins:

- | | |
|------|--|
| Tx | - UART receive input |
| Rx | - UART transmit output |
| CTSD | - CTS output (Clear To Send) for UART hardware flow control. Active low |
| RTSD | - RTS input (Request To Send) for UART hardware flow control. Active low |

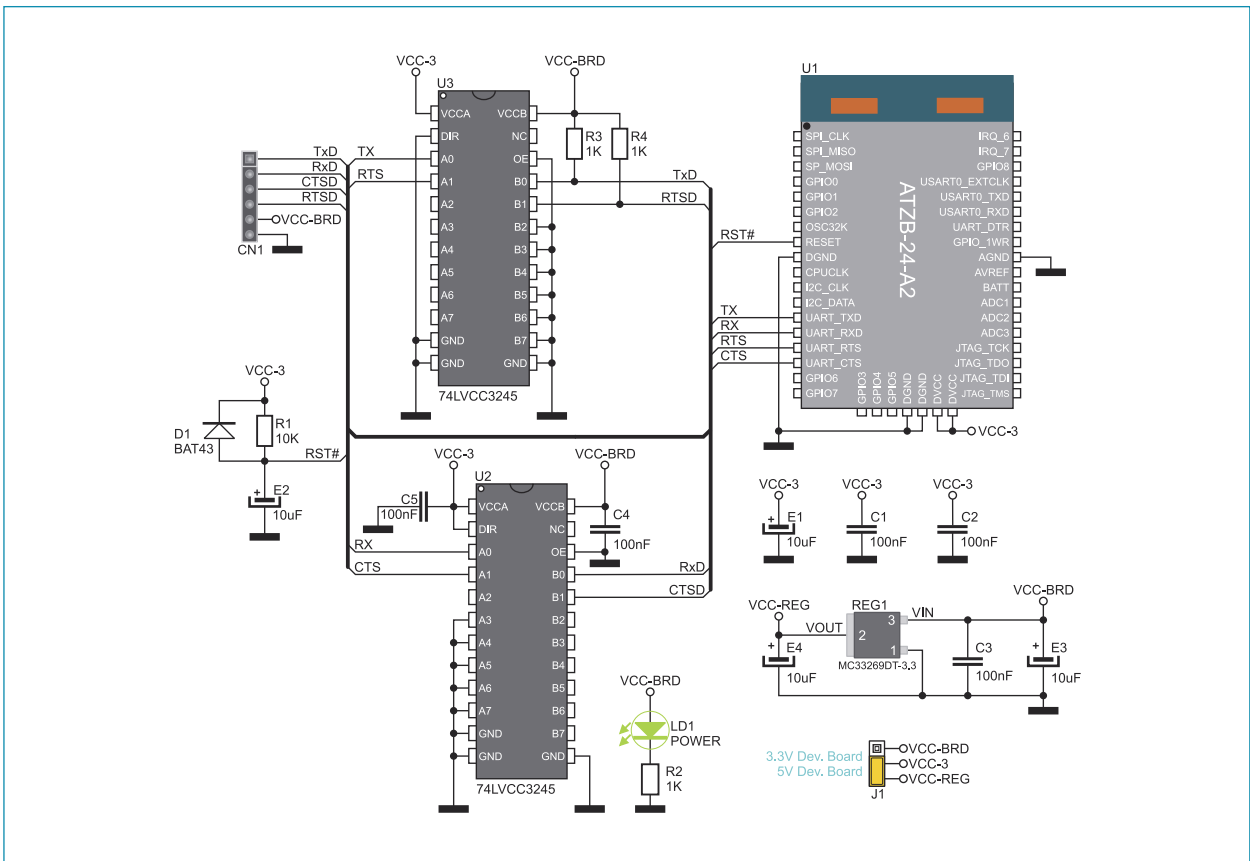


Figure 2: BeePROTO additional board connection schematic

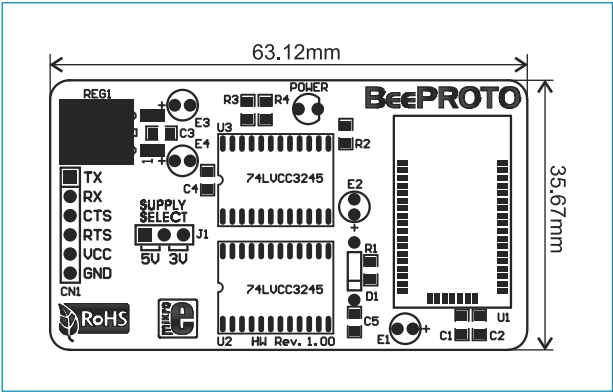


Figure 3: Dimensions of the BeePROTO additional board



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

If you want to learn more about our products, please visit our website at www.mikroe.com

If you are experiencing some problems with any of our products or just need additional information, please place your ticket at www.mikroe.com/en/support

If you have any questions, comments or business proposals, do not hesitate to contact us at office@mikroe.com