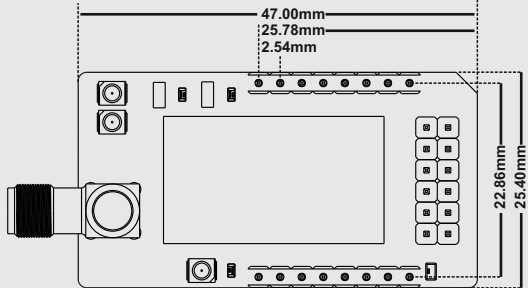




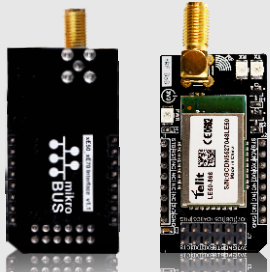
tRF BoB
LE51-868
Inside

FEATURES

- ⊙ Range: Up to 2000 m
- ⊙ Up to 128 kB Flash, 8kB RAM, 2 kB EEPROM
- ⊙ 32.768 kHz RTC, 4 Timers
- ⊙ Configurable output power
- ⊙ 5 I/O Ports Max available
- ⊙ Hayes mode or 'AT' mode for configuration
- ⊙ Cyclic wake up: wakes up periodically and listens to the radio link
- ⊙ For ultra low-power, low-latency applications.
- ⊙ Download Over The Air (DOTA)
- ⊙ Pre-certified RF modules, Header Form Factor
- ⊙ Cyclic wake up: wakes up periodically and listens to the radio link
- ⊙ PCB Dimension: 47 x 25.4 mm
- ⊙ Radio Data Rate: from 2.4 kbps to 100 kbps
- ⊙ Transmit (Yellow) - Receive (Red) - Power (Green) LEDs



INTRODUCTION



"tRF BoB 51" is a form factor with a mikroBUS structure. It is an effective and easy solution for adding 868 MHz SIGFOX RF communication to your design. It features the Telit LE51-868MHz transceiver module, a SMA connector for an antenna also two radio communication (Tx - Rx) LEDs. "tBoB RF 51" communicates with the target board microcontroller via mikroBUS UART (Rx, Tx), AN, RST, PWM and INT lines. It has a LED diode in order to power indicator.

APPLICATIONS

- ⊙ Telemetry
- ⊙ Automated Meter reading
- ⊙ Wireless Sensor Networks
- ⊙ Home and Building Automation
- ⊙ Wireless Alarm and Security Systems
- ⊙ Industrial Monitoring and Control
- ⊙ Long range Irrigation Systems

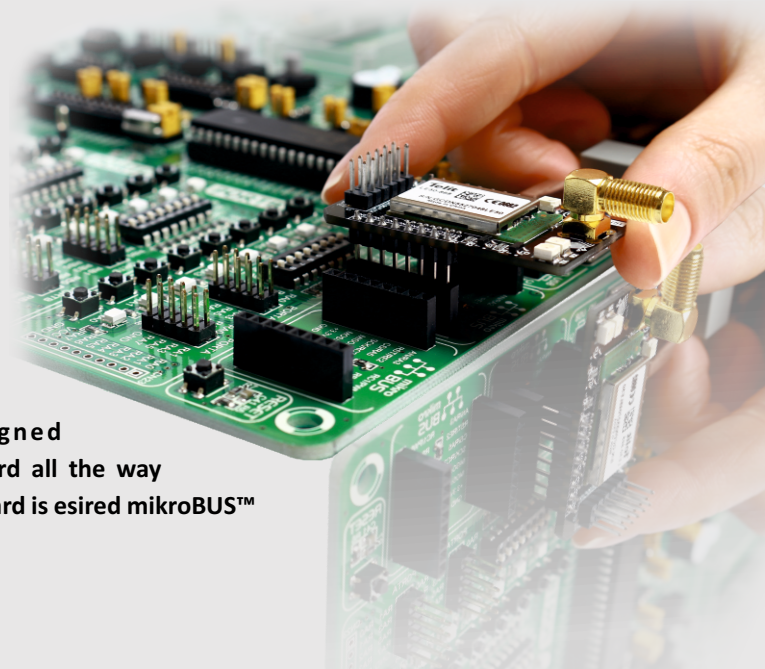
POWER SUPPLY



Power Supply Voltage: 3.3 V
Power Supply Current (Min) : 100 mA

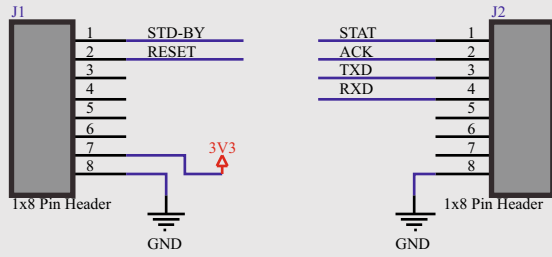
PLUGGING THE BOARD

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. your board is esired mikroBUS™ socket.

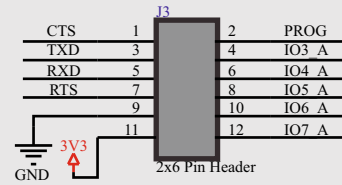


SCHEMATIC SCHEMATIC

mikroBUS



AUX BUS



ANTENNA

