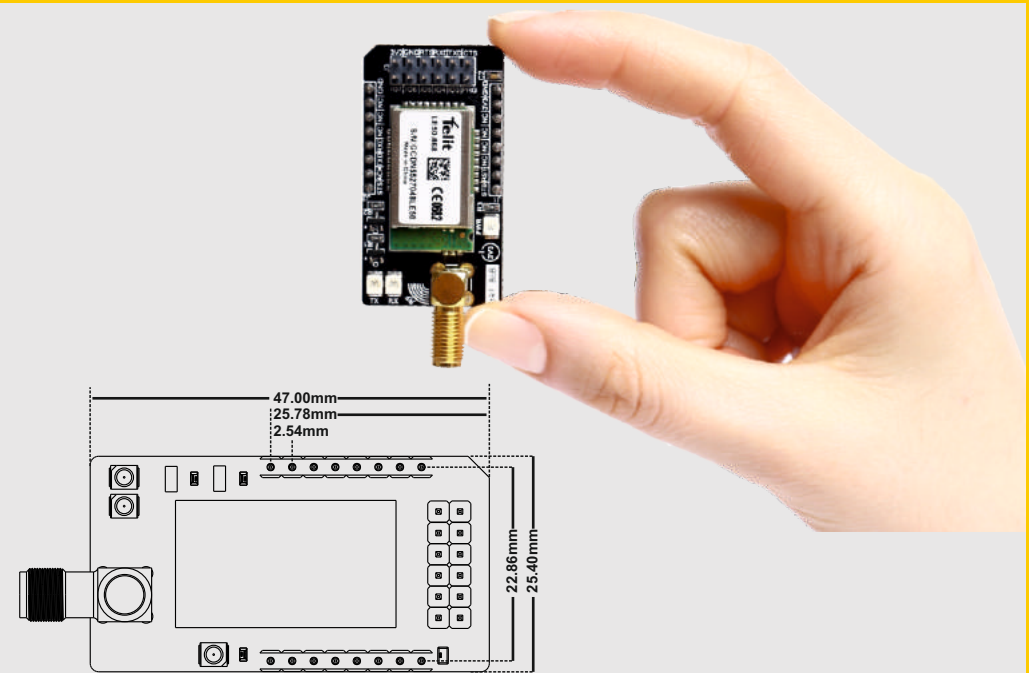




tRF BoB
LE70-868
Inside

FEATURES

- ⊗ Range: Up to 10000 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 Dimensions: 47 x 25.4 mm
- ⊗ Radio Data Rate: from 4.8 kbps to 57.6 kbps
- ⊗ Transmit (Yellow) - Receive (Red) - Power (Green) LEDs



INTRODUCTION



" tRF BoB 70 " is a formative with a microBUS structure. It is an effective and easy solution for adding 868 MHz RF communication to your design. It features the " Telit LE70-868MHz " transceiver module, a SMA connector for an antenna also two radio communication (Tx - Rx) LEDs. tBoB RF 70 communicates with the target board microcontroller via microBUS 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

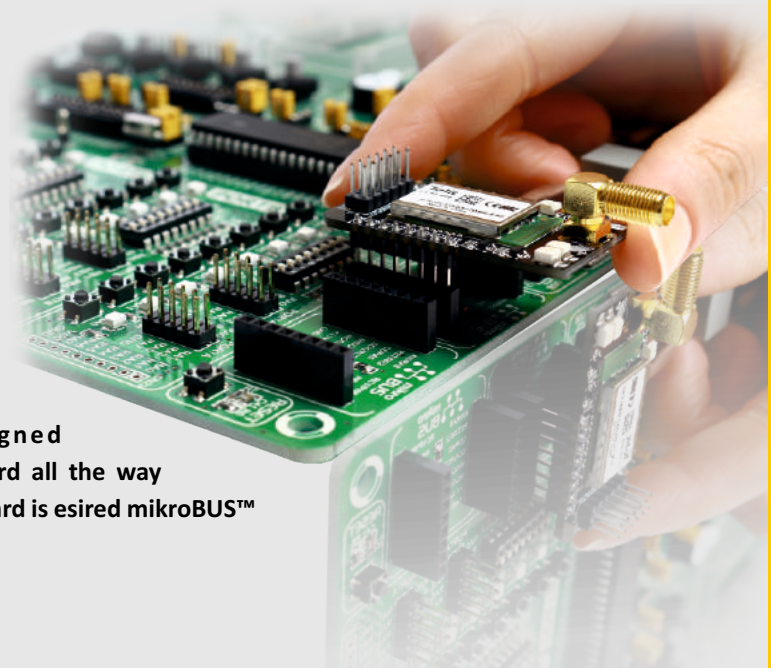


Power Supply Voltage: 3.3 V

Power Supply Current (Min) : 500 mA

THE BOARD 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

