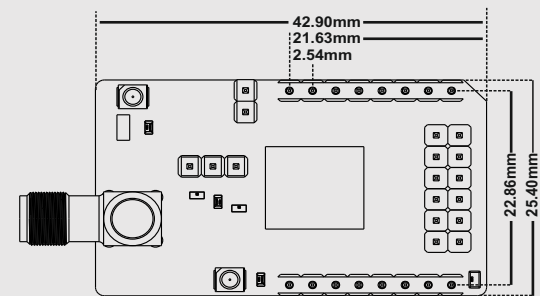




tGPS Micro BoB
SL871 Inside

FEATURES

- ⊙ **GNSS (GPS, Glonass, Galileo, QZSS, Compass)**
- ⊙ **Standards: NMEA**
- ⊙ **Chipset: Mediatek MT3333 core**
- ⊙ **Acquisition Channels: 48**
- ⊙ **Positional Accuracy: 3 m**
- ⊙ **Sensitivity:**
Acquisition: -148dBm, Navigation: -163dBm, Tracking: -165dBm
- ⊙ **Current:**
Low power Tracking: 0.4 mA
Full power Tracking: 22 mA (GPS+GLO)
Full power Acquisition: 24 mA (GPS+GLO)
- ⊙ **Compliant with GPS and GLONASS Standards**
- ⊙ **Header Form Factor**
- ⊙ **PCB Dimensions: 43 x 25.1**
- ⊙ **PPS (Red) - Power(Green) LEDs**



INTRODUCTION



"tGPS BoB " is a form factor with a microBUS structure. It is an effective and easy solution for adding GPS functionality to your design. It features the Telit SL871 module, a SMA connector for a GPS antenna also it has two LEDs for PPS and PWR. tGPS BoB can be interfaced with the target board microcontroller via microBUS UART (Rx, Tx), lines. It has a LED diode in order to power indicator. It can function on 3.3 V power supply only.

APPLICATIONS

- ⊙ **Vehicle Tracking**
- ⊙ **Personal Tracking**
- ⊙ **Pet Tracking**
- ⊙ **Asset Tracking**
- ⊙ **Road Navigation Devices**

POWER SUPPLY

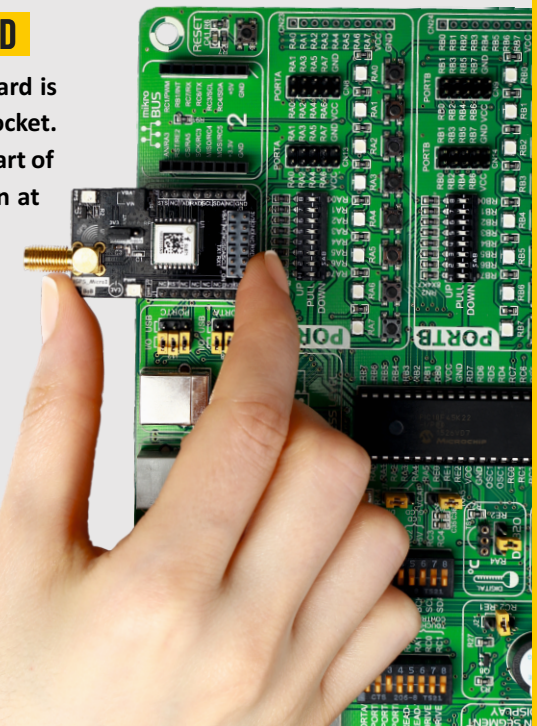
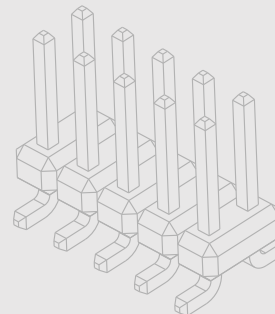


Power Supply Voltage: 3.3 V

Power Supply Current(Min) : 100 mA

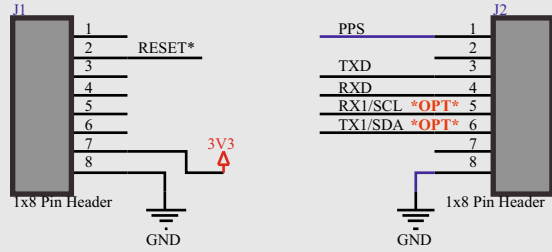
PLUGGING THE BOARD

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 inserted into mikroBUS™ socket.

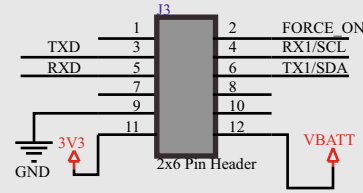


SCHEMATIC SCHEMATIC

mikroBUS



AUX BUS



ANTENNA

