



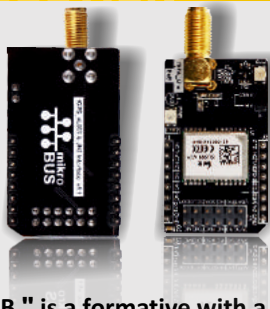
**tGPS BoB**  
SL869-V2S  
Inside

## FEATURES

- ◎ **Standards:** NMEA
- ◎ **Chipset:** Mediatek MT3337 core
- ◎ **Acquisition Channels:** 66
- ◎ **Positional Accuracy:** 3 m
- ◎ **Sensitivity:**  
Acquisition: -148dBm, Navigation: -163dBm,  
Tracking: -165dBm
- ◎ **Current:**  
Acquisition: typ 27 mA, Tracking: typ 24 mA,  
Standby: typ <6.5 uA
- ◎ **GNSS Standards and bands supported:**  
GPS L1
- ◎ **Assisted GPS**
- ◎ **Header Form Factor**
- ◎ **PCB Dimensions:** 43 x 25.1
- ◎ **PPS (Red) - Power(Green) LEDs**



## INTRODUCTION



"tGPS BoB " is a formative with a microBUS structure. It is an effective and easy solution for adding GPS functionality to your design. It features the Telit SL869 - V2S module, a SMA connector for an 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

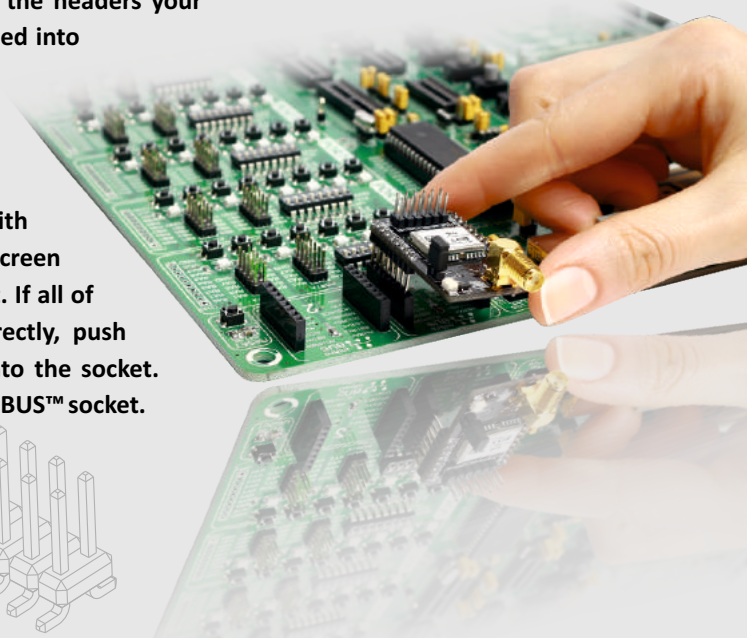
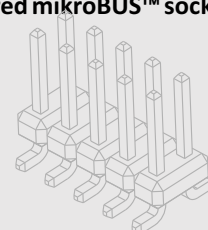


Power Supply Voltage: 3.3 V

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 esired mikroBUS™ socket.



# SCHEMATIC SCHEMATIC

