



t310 BoB P/N Version

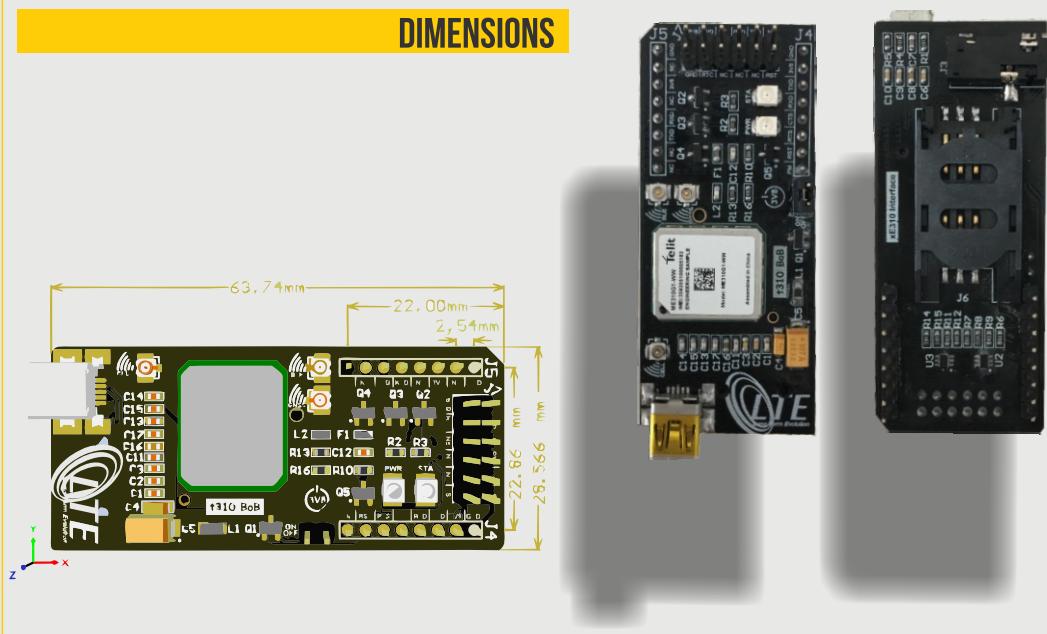
"t310_BoB_2G"
"t310_BoB_4G"

FEATURES

- ◎ **Band @BoB_2G :**
Quad band GSM | GPRS: 850/900/1800/1900 MHz
- ◎ **Band @BoB_4G :**
Worldwide 4G Bands
B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B26, B27, B28, B66, B71, B85
- ◎ **2G Bands**
B2, B3, B5, B8
- ◎ **Control via AT commands:**
GSM 27.005 ,27.007 and Telit custom AT Commands
- ◎ **Embedded GNSS (GPS/GLONASS/Beidou/Galileo)**
- ◎ **Interfaces:** USB, 2 UART, Antenna, SIM, Audio
- ◎ **BT 4.0 (Only t310_BoB_2G)**
- ◎ **LwM2M (Only t310_BoB_4G)**
- ◎ **FOTA (Firmware Over the Air)**
- ◎ **Header Form Factor**
- ◎ **PCB Dimension:** 63.7 x 28.6 mm
- ◎ **Power (Green) - Status(Red) LEDs**

FEATURES

DIMENSIONS



INTRODUCTION

"t310 BoB "is a formative Pin-Header structure.

It is an effective for adding GSM-GPRS/LTE CatM1 & NB-IoT solutions into your design.

It features the Telit GE310-GNSS or ME310G1-WW module, a IPX connector for an antenna, a SIM CARD socket. It has two LED diodes for power indicator and status.

t310 BoB communicates with USB or UART(Tx,Rx) interfaces. Small size and low power consumption

Optimized for ease-of-design, high yield and low-cost manufacturing

APPLICATIONS

- ◎ Telemetry
- ◎ M2M (Machine to Machine) Systems
- ◎ Wireless Sensor Networks
- ◎ Home and Building Automations
- ◎ Wireless Alarm and Security Systems
- ◎ Industrial Monitoring and Control
- ◎ Personal/Animal/Vehicle Tracking System
- ◎ Temperature and Humidity Tracking Systems

POWER SUPPLY



Power Supply Voltage: 3.8 V

Power Supply Current(Min) : 2 A

FAMILY CONCEPT

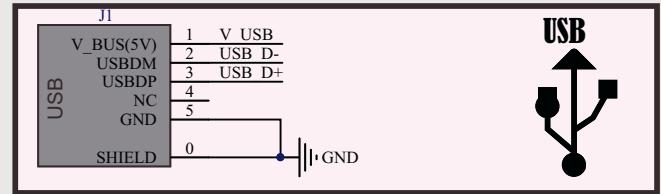
The xE310 flexible perimeter footprint family includes pinto-pin compatible 2G (GE310-GNSS) and CatM1/NB2 (ME310G1) modules, enabling integrators to design a single PCB layout and deploy any combination of 2G and 4G technologies.

Telit's miniature xE310 family delivers high business and technical value for OEMs, integrators and IoT device designers interested in low power, low cost, small footprint devices to take digital transformation initiatives to the next level across their organization.

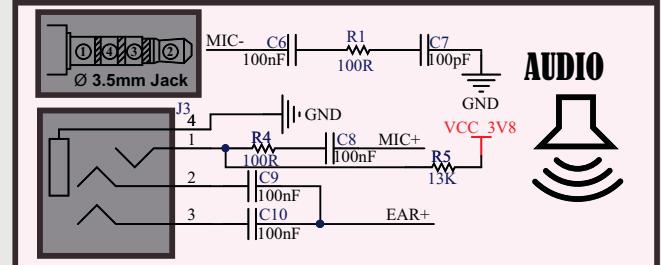
The 94-pad LGA footprint delivers a comprehensive set of features with a surplus of reserve pads to 'futureproof' the end-device with additions like Bluetooth connectivity and GNSS. The flexible perimeter space allows modules in the family to go in sizes from around 300mm² to below 200mm². The xE310 is designed to allow for single as well as multi technology products such as combination cellular +GNSS and other solutions in fixed and mobile applications for smart utilities, home and commercial automation, telematics, POS, and smart cities.



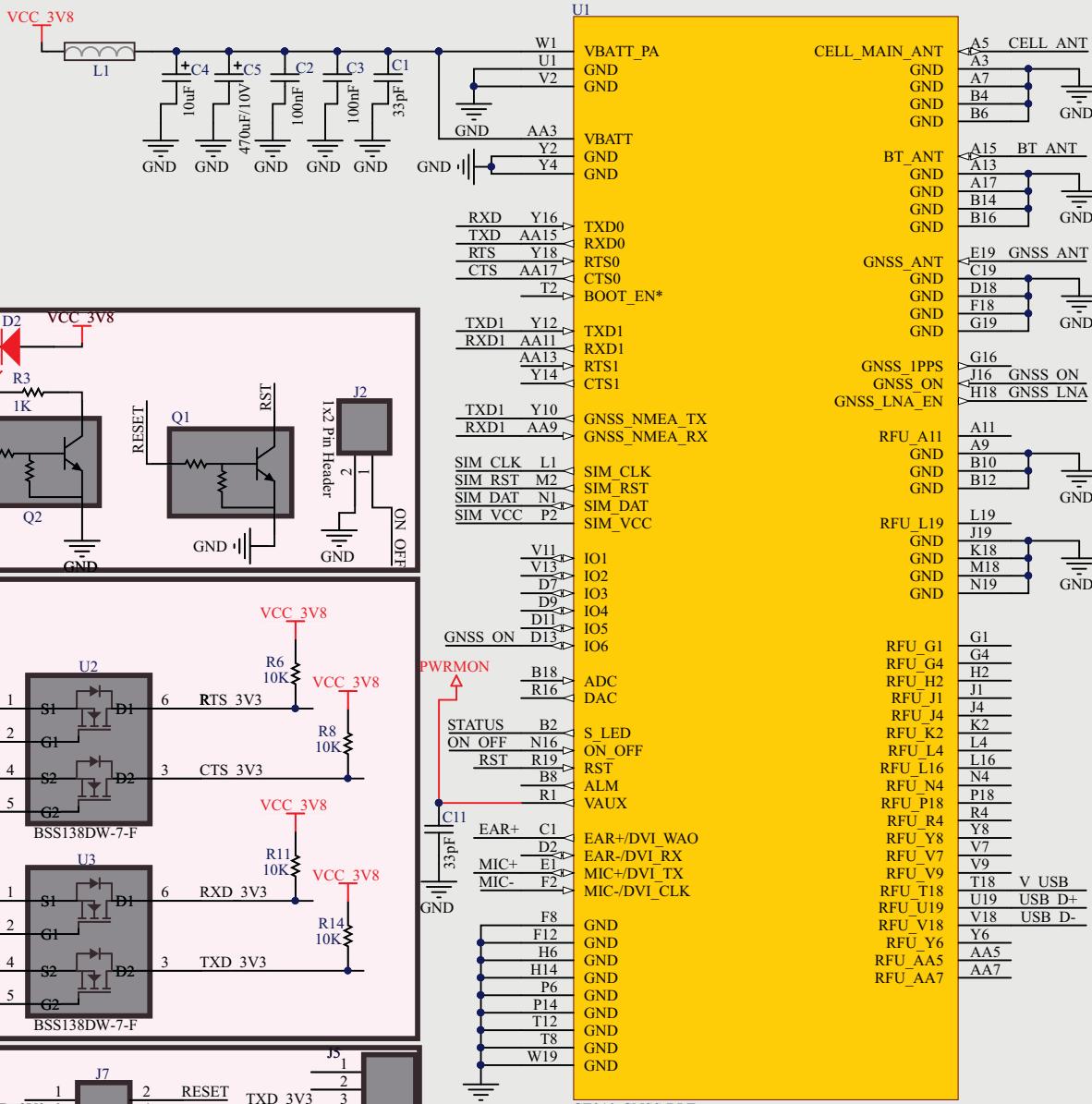
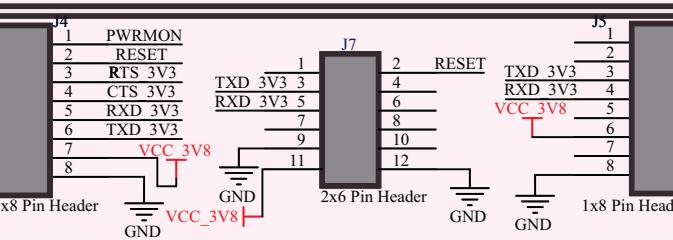
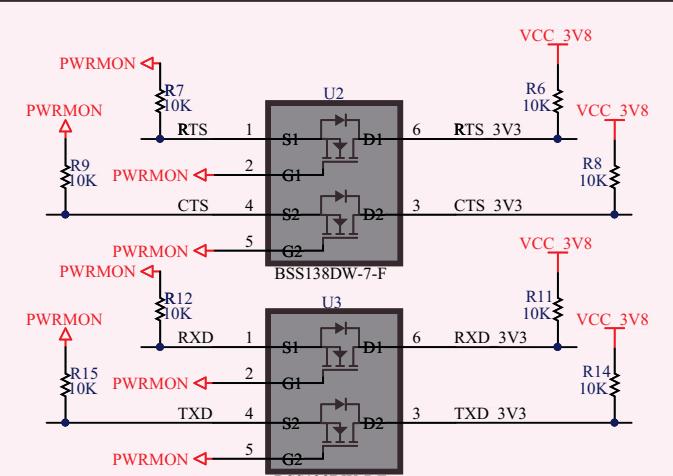
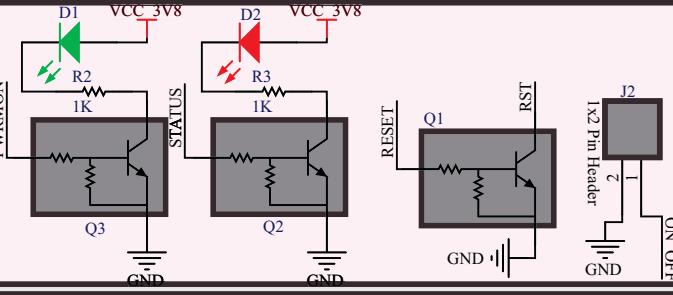
SCHEMATIC



USB



AUDIO



t310 BoB / xE310 Interface