

EGIGATEK eGM-A18U Brief

(CSR8811A12 based Bluetooth v4.2 Smart Ready Module)

1. DESCRIPTION

eGM-A18U is a single-chip radio and baseband solution for Bluetooth 2.4GHz systems including EDR to 3Mbps and Bluetooth Smart. Dedicated signal and baseband processing is included for full Bluetooth operation. EGIGATEK designed CSR8811A12 based eGM-A18U Bluetooth module/eGD-A19U USB dongle PCBA to reduce PCB area and the number of external components, including no requirement for an external balun.

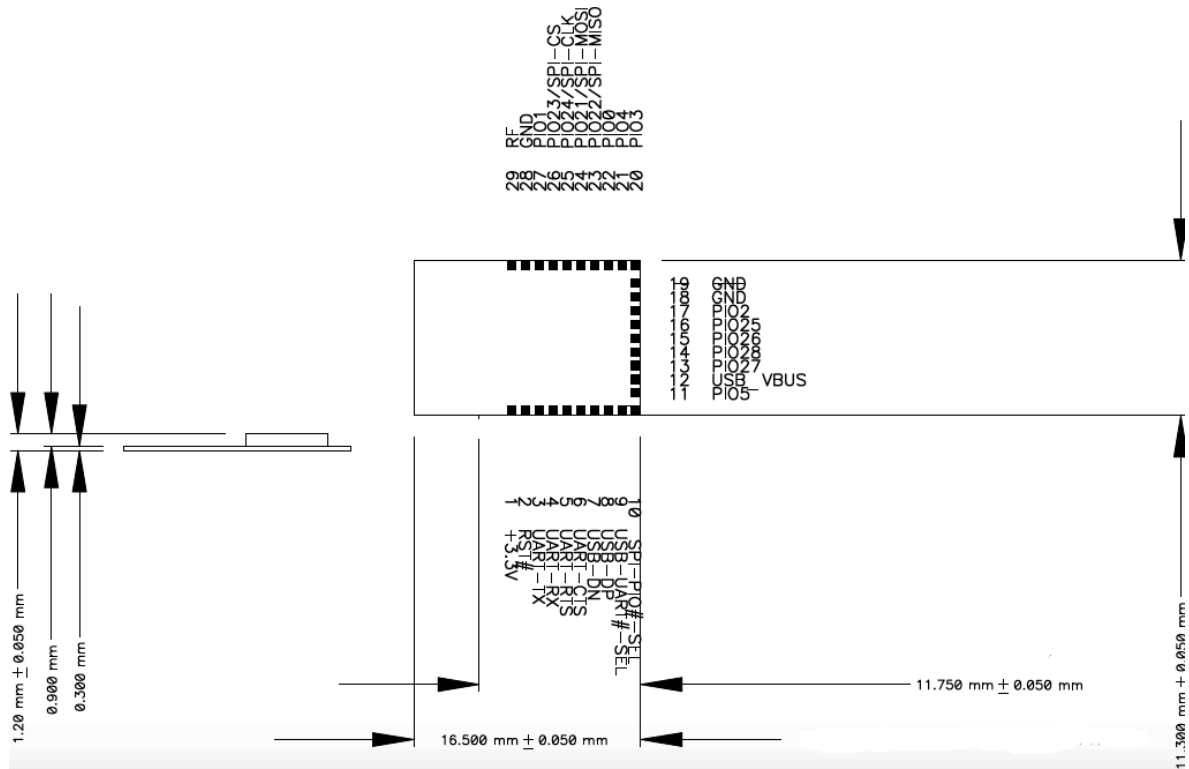
2. FEATURES

- Fully qualified Bluetooth® v4.2 system
- Full-speed Bluetooth operation with full piconet and scatternet support
- Class 1 Bluetooth power level supported
- High-sensitivity Bluetooth receiver
- Wideband speech
- On-chip SBC encoding
- On-chip balun
- Low-power selectable 1.2 to 3.6V I/O
- No external regulators required for USB supply operation
- Full-speed USB 2.0 interface
- Integrated I/O and core regulators
- High-speed UART port (up to 4Mbps)
- 2 x PCM/I²S digital audio interfaces
- Support for IEEE 802.11 coexistence
- Dimensions: 16.5 mm x 11.3 mm x 1.5 mm(with printed antenna)
- Storage temperature range: -40°C ~ +85°C
- Operating temperature range: -30°C ~ +85°C

3. APPLICATIONS

- Industrial
- USB Bluetooth dongles

4. Dimensions (in mm)



5. Recommended Land Pattern

