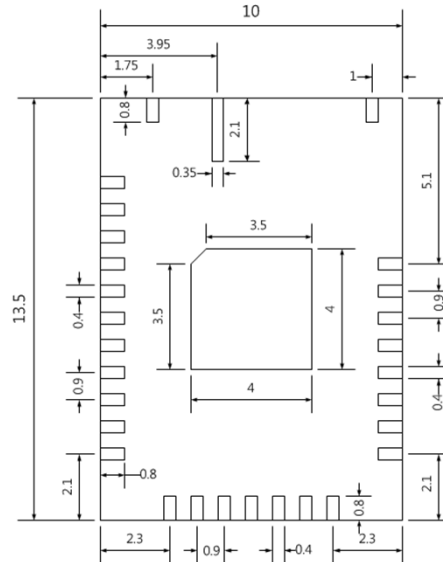


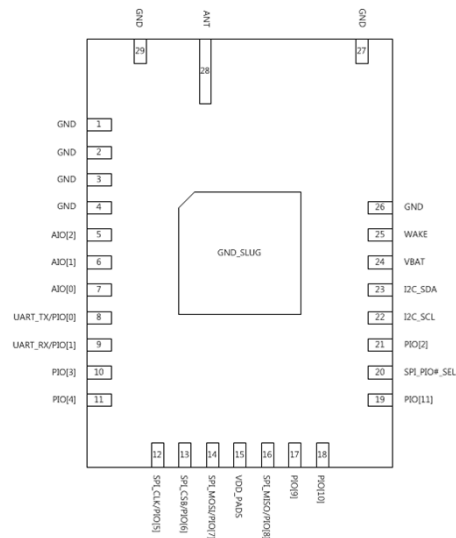
Product Feature

- Bluetooth® v4.1 specification compliant
- integrated switch-mode power supply
- Built-in chip Antenna
- Physical connection as SMD type
- 128KB Memory; 64KB RAM and 64KB ROM
512Kb EEPROM
- 12 Digital PIOs and 3 analogue AIOs
- 32KHz and 16MHz crystal or system clock
- Security including AES Encryption
- Wake-up interrupt and watchdog timer
- I2C and SPI peripherals ▶ 4 PWMs
- Stack including ATT, GATT, L2CAP, SMP, L2CAP, GAP



Brief Specification

- Size : 13.5mm X 10mm X 2.1mm
- Chipset : CSR1012
- Integrated Crystal 16MHz, 32.768KHz
- BT : Tx 9dBm, Rx -94dBm
- Operating Conditions
 - Supply Voltage : Typ 3.3V, Min 1.8V ~ Max 3.6V
 - Temperature Range : -30 ~ +85 °C
- BT Interface : UART, I2C, SPI
- Included external EEPROM : 512Kb



Product Applications

- HID : keyboards, mice, touchpads, remote controls
- Sports and fitness sensors : heart rate, Runner speed And cadence
Cycle speed and cadence
- Health sensors : Blood pressure, Glucose meters, Thermometer
- Mobile accessories : watches, proximity tags, alert tags,
Camera controls
- Smart home : heating control and lighting control

