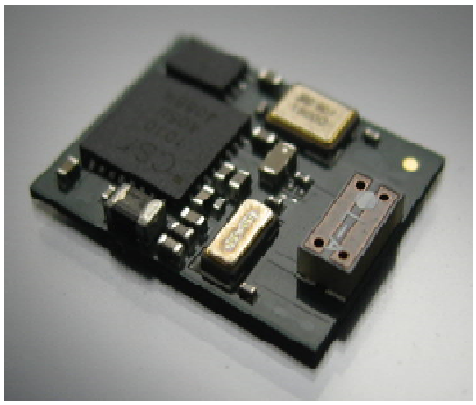
F1media
F1 of mobile multimedia

F1LC10
Bluetooth v4.1
Bluetooth Low energy Module

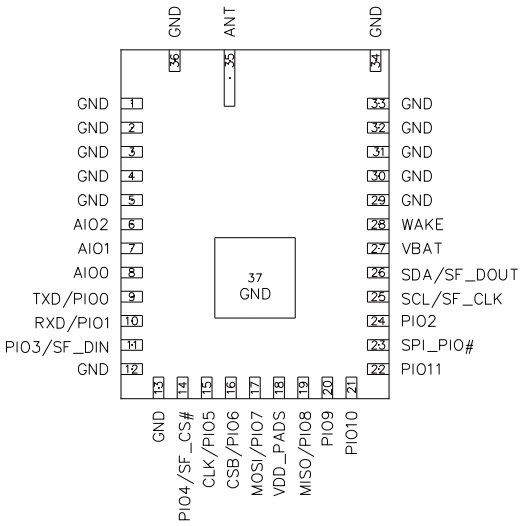


The F1LC10 Bluetooth module, which built in a CSR1010 Bluetooth chip, is a single mode μ-Energy platform device. μ-Energy enables ultra low-power connectivity and basic data transfer for applications previously limited by the power consumption, size constraints and complexity of other wireless standards.

The F1LC10 Bluetooth module complies with Bluetooth specification version 4.1. It supports profiles for health and fitness sensors, watches, keyboards, mice and remote controls. It integrates RF, Baseband controller, antenna, etc. And it also provides UART interface, programmable I/O, etc.

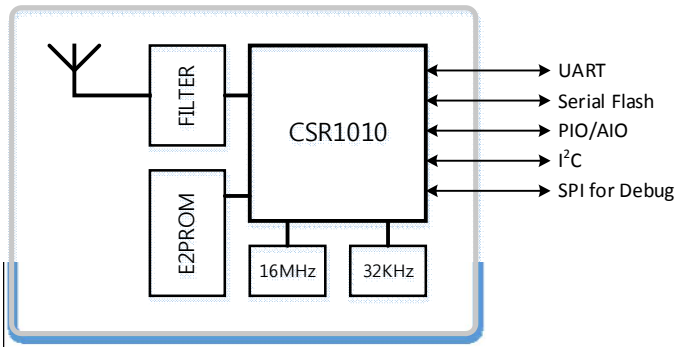
Feature

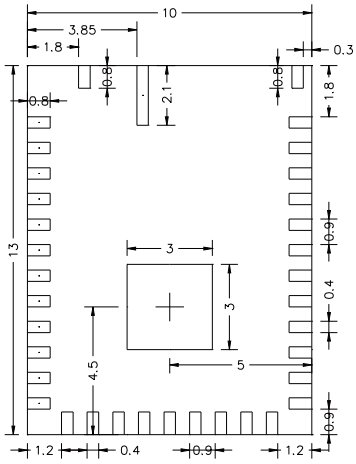
- Chipset : CSR1010
- Size : 13 X 10 X 1.6 mm
- Bluetooth v4.1
- 7.5dBm Bluetooth low energy maximum transmit output power
- -92.5dBm Bluetooth low energy receive sensitivity
- Support for Bluetooth v4.1 specification host stack
  including ATT, GATT, SMP, L2CAP, GAP
- 10-bit ADC
- 12 digital PIOs
- 3 analogue AIOs
- UART



Application

- HID : mice, touchpads, remote controls
- Sports and fitness sensors
- heart rate, runner speed and cadence, cycle speed and cadence
- Health sensors : blood pressure, thermometer and glucose meters
- Mobile accessories
- watches, proximity tags, alert tags and camera controls
- Smart home : heating control and lighting control 10-bit ADC





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