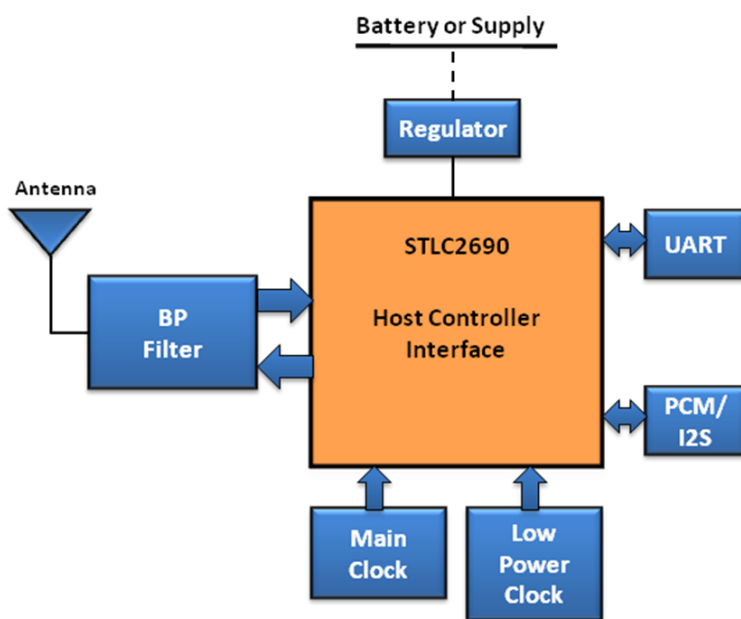
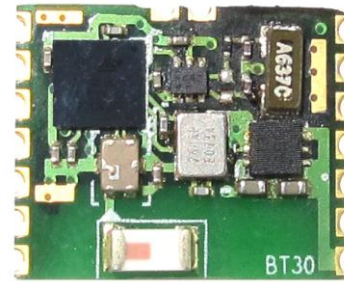




BT30

Amp'ed RF Tech presents our BT30 HCI module, supporting Bluetooth specification v3.0. The BT30 is a low cost Bluetooth module for higher volume customers, and is intended to help customers shorten product development cycles and reduce costs. We offer a full upper layer stack Amp'ed UP, which may be added to a customer's host processor, and combined with the BT30, for a complete Bluetooth solution.



BT 30 Bluetooth Module Block Diagram

Features

Bluetooth features

- FCC & Bluetooth licensed radio (Pending)
- Surface mount type 10.4 X 13.5 X 2.0 mm
- Bluetooth v3.0, ST Ericsson STLC2690
- 10 dBm Tx power (typical), class 1 radio
- High sensitivity -88 (typical)
- Range up to 50m LOS
- Bluetooth data rate up to 2178Kbps asymmetric
- 128-bit encryption security
- Multipoint capability up to 7 slaves
- FM Tx/Rx integrated radio
- Co-existence with IEEE 802.11 (AWMA, AFH)

Hardware features

- Serial interfaces: UART, PCM/I2S, SDIO
- Deep sleep power, only 20 μ A
- Integrated deep sleep crystal
- Internal crystal oscillator (26 MHz)
- RoHS conformance

Embedded software

- Includes Bluetooth protocol up to HCI interface
- Amp'ed Up Stack and Bluetooth Profiles available for host processor

Amp'ed RF Technology Bluetooth

We've teamed up with ST Microelectronics and ST Ericsson to offer you the most advanced Bluetooth technology in a variety of highly reliable and affordable platforms. Our Bluetooth Upper Layer Stack, Amp'edUP, and AT command serial interface, abSerial, give you options ranging from complete turnkey solutions to licensing our designs and firmware – options our competitors simply don't have.

