

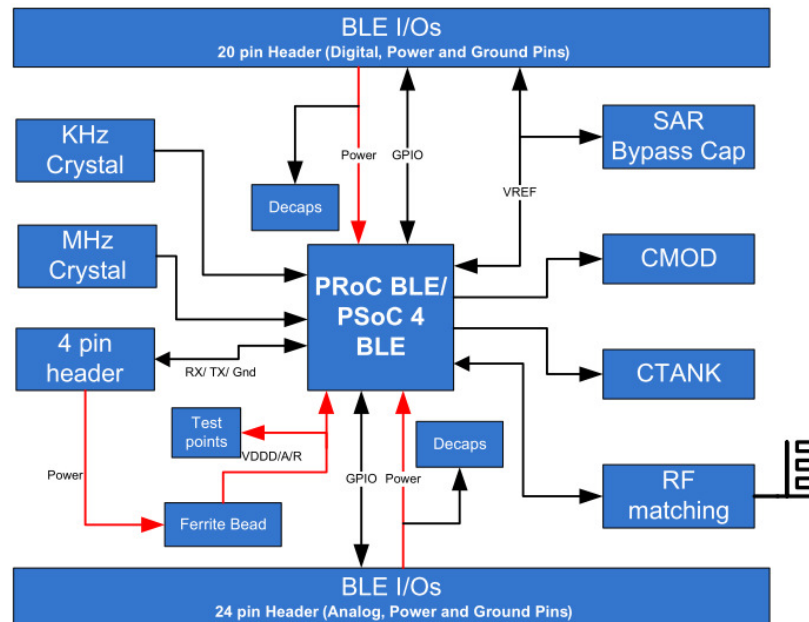
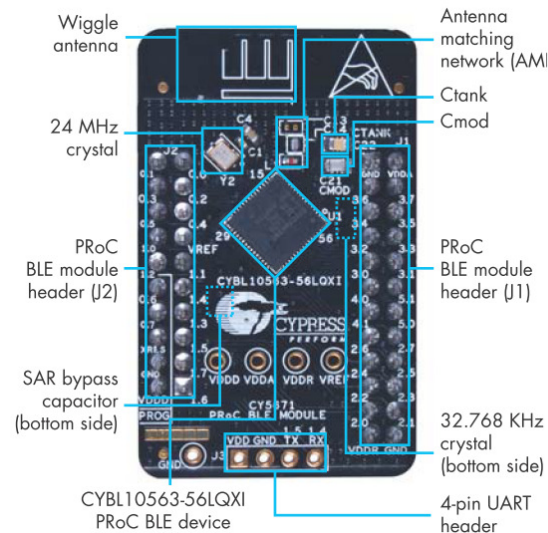
Theory of Operation/Technical Description – FCC ID: WAP-CY5671

The EUT enables customers to evaluate and develop Bluetooth Low Energy projects using the PSoC 4 BLE and PProC BLE devices/silicon.

The basic operation mode is:

- BLE communication was established between CY5670 CySmart USB Dongle and CY5671 PProC BLE Module plugged into BLE Pioneer Baseboard.

RF circuit function:



This CY5671 PProC BLE Module board act as a basic breakout board for the CYBL10563-56LQXI BLE silicon. In addition to including the PProC BLE devices, the module boards also contain the BLE passives (resistors, capacitors, external crystals, and antenna-matching network), an on-board antenna, and headers for connecting to the baseboard. The baseboard contains the power supply section (USB and battery), an on-board programmer/debugger, a 1-Mb F-RAM, an RGB LED, a five-segment CapSense slider, a proximity header, a user switch, and a reset switch for interfacing with the module.

