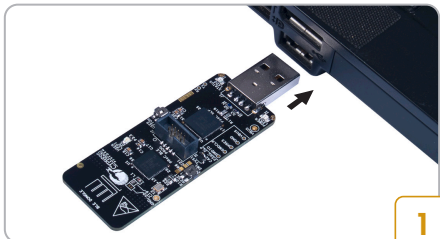


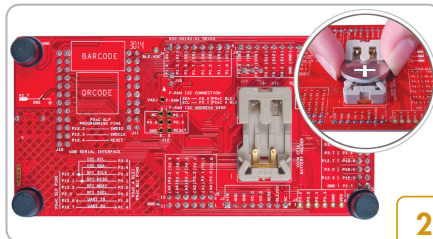
BLUETOOTH® LOW ENERGY PIONEER KIT



1

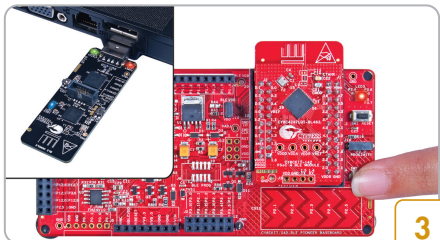
- Connect the dongle to your computer by plugging it into an available USB port

Note: This demo does not require installing the drivers. These drivers are required for Step 6 only; installation is done as part of Step 5



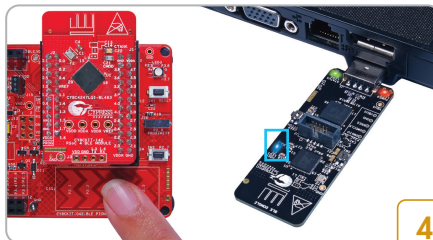
2

- Insert the 3-V coin cell (included with the kit) into the coin cell holder on the rear side of the baseboard



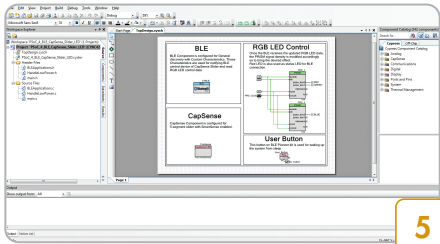
3

- Press the button SW2 (user button) on the baseboard. The red LED on the baseboard and the blue LED on the dongle will stay on for three seconds before turning off, indicating a Bluetooth low energy connection between the two boards



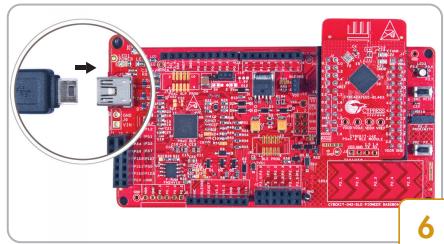
4

- Move your finger over the CapSense® slider on the baseboard to control the brightness of the blue LED on the dongle



5

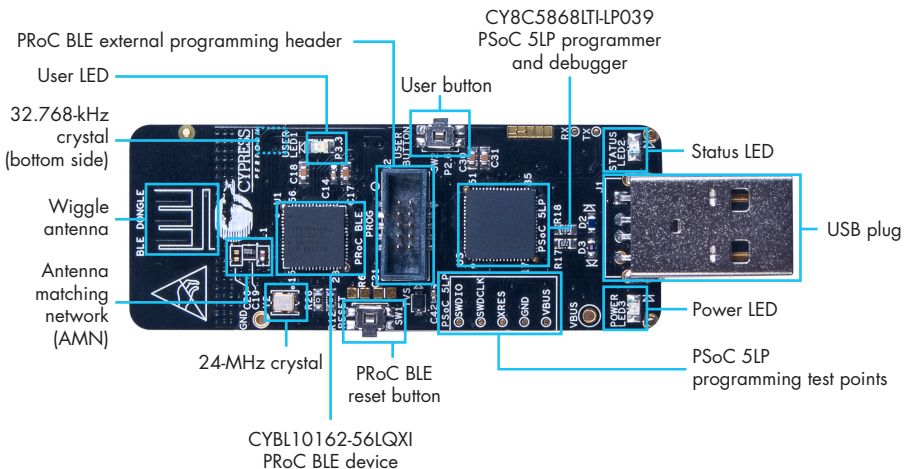
- Download and install the PSoC Creator™ IDE, BLE Pioneer Kit example projects, documents, and hardware design files from www.cypress.com/CY8CKIT-042-BLE



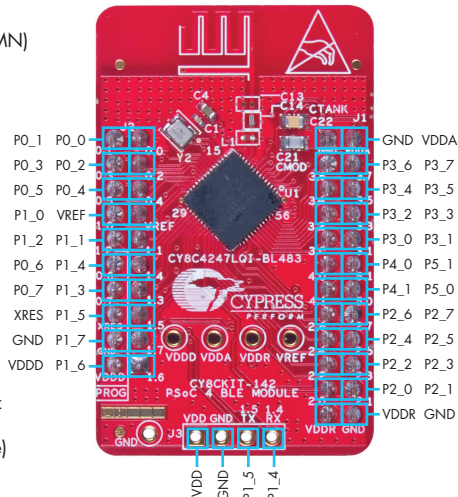
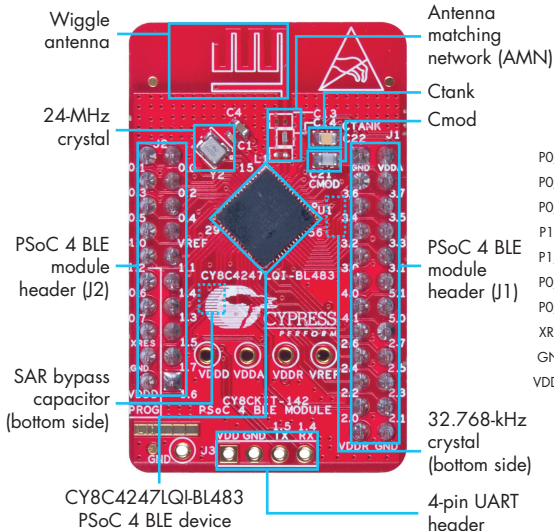
6

- To debug your PSoC Creator project, connect the baseboard (with the PSoC 4 BLE or ProC BLE module) to your computer with a USB cable
- Refer to Chapter 4 of the Kit User Guide for additional information on example projects

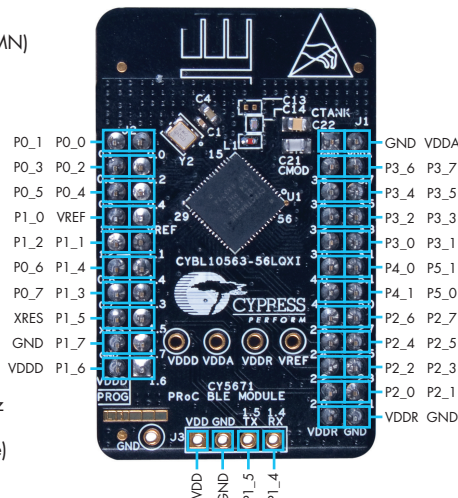
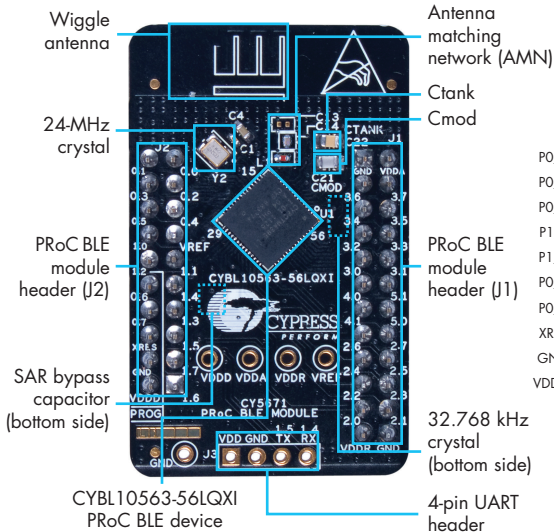
Feature List and Pinout Description for CySmart USB Dongle



Feature List and Pinout Description for PSoC 4 BLE Module

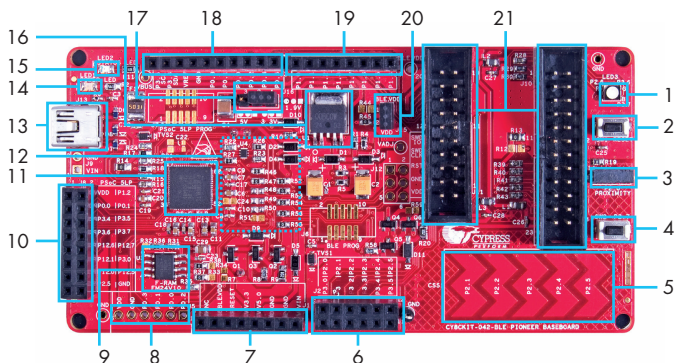


Feature List and Pinout Description for PRoC BLE Module

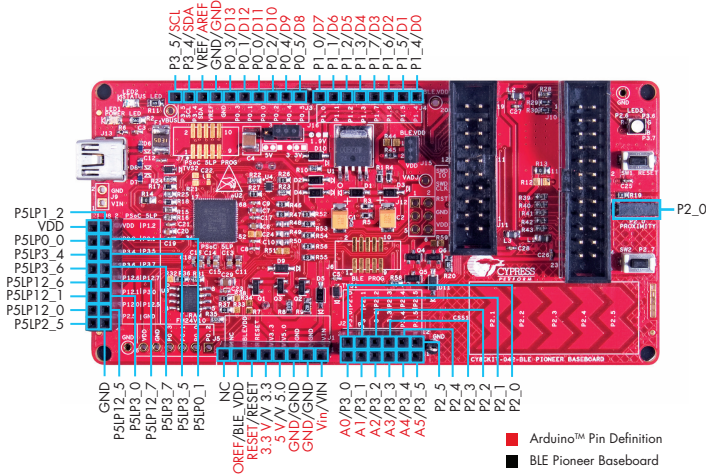


BLUETOOTH® LOW ENERGY PIONEER KIT

Feature List and Pinout Description for BLE Pioneer Baseboard



- 1 RGB LED
- 2 BLE device reset button
- 3 CapSense proximity header
- 4 User button
- 5 CapSense slider
- 6 Arduino-compatible I/O header (J2)
- 7 Arduino-compatible power header (J1)
- 8 Digilent® Pmod™-compatible I/O header (J5)
- 9 Cypress F-RAM 1 Mb (FM24V10-G)
- 10 PSoC 5LP I/O header (J8)
- 11 PSoC 5LP programmer and debugger (CY8C5868LTI-IP039)
- 12 Coin cell holder (bottom side)
- 13 USB connector (J13)
- 14 Power LED
- 15 Status LED
- 16 LDO 1.9 V-5 V
- 17 System power supply jumper (J16)
- 18 Arduino-compatible I/O header (J3)
- 19 Arduino-compatible I/O header (J4)
- 20 BLE power supply jumper / current measurement (J15)
- 21 BLE module headers (J10/J11)



For the latest information about this kit and to download kit software and hardware files, visit www.cypress.com/CY8CKIT-042-BLE