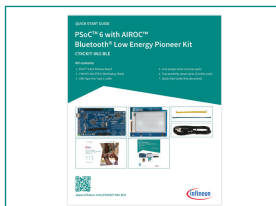
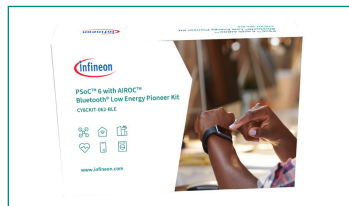
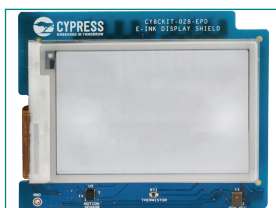
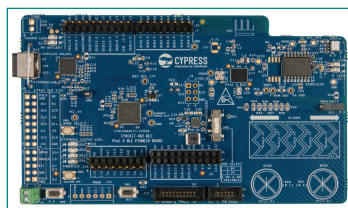


QUICK START GUIDE

PSoC™ 6 with AIROC™ Bluetooth® Low Energy Pioneer Kit CY8CKIT-062-BLE

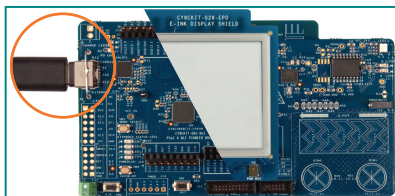
Kit contents

1. PSoC™ 6 BLE Pioneer Board
2. CY8CKIT-028-EPD E-INK Display Shield
3. USB Type-A to Type-C cable
5. Four jumper wires (4 inches each)
6. Two proximity sensor wires (5 inches each)
7. Quick Start Guide (this document)



www.infineon.com/CY8CKIT-062-BLE

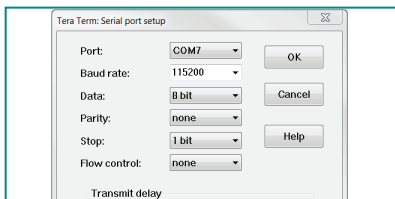




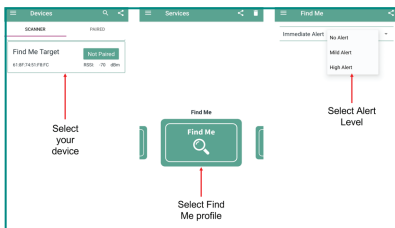
1 USB cable connected to the KitProg3 USB connector

Before you start

1. Ensure that you have the following:
 - PC with USB 2.0 port
 - UART terminal software such as Tera Term or Minicom
 - Download and install the AIROC™ Bluetooth® Connect app from Play Store or iOS App Store.
2. Connect the KitProg3 USB connector (J5) to your PC.
3. Visit the [kit webpage](#) to download and install the required software.
4. Once the driver installation is complete, open the UART terminal software and set the COM port parameters to 8N1 and 115200 baud.



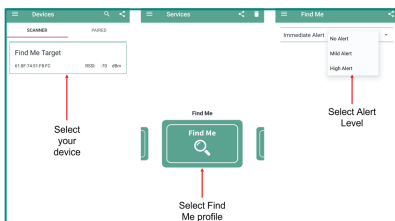
2 USB-UART COM port setup



3 AIROC™ Bluetooth® Connect app – Android

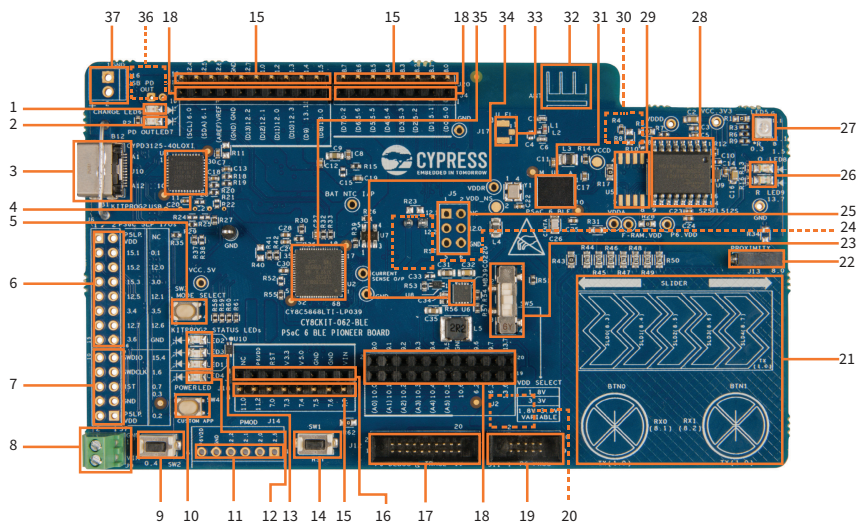
Run the AIROC™ Bluetooth® Connect application

1. Turn ON Bluetooth® on your Android or iOS device.
2. Launch the AIROC™ Bluetooth® Connect app.
3. Press the RST button (SW1) on the CY8CKIT-062-BLE on board to send advertisements and when the “Advertisement started” message on the serial terminal is displayed, confirm that LED9(Red) is blinking.
4. Swipe down on the AIROC™ Bluetooth® Connect app home screen to scan for Bluetooth® Low Energy peripheral devices.
5. Your device (“Find Me Target”) appears on the home screen. Tap to establish a Bluetooth® LE connection with the device.
6. The LED9(Red) changes from blinking state to always ON state after establishing a successful connection with the device.
7. Select ‘Find Me’ Profile and select an Alert level. The LED8 (Orange) state is linked to the type of alert sent.
 - No Alert: LED8 OFF
 - Mild Alert: LED8 blinking
 - High Alert: LED8 ON



4 AIROC™ Bluetooth® Connect app – iOS

PSoc™ 6 with AIROC™ Bluetooth® LE Pioneer Board Details

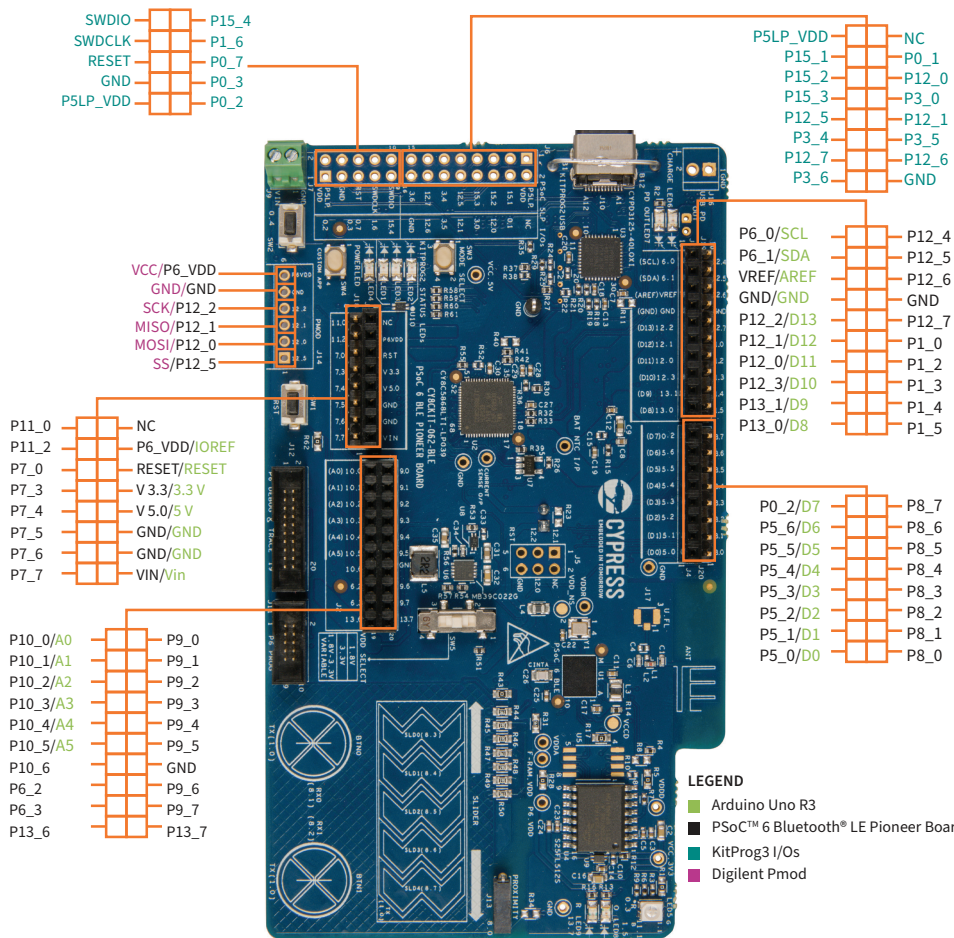


- | | | | |
|----|--|----|--|
| 1 | Battery charging indicator (LED6) | 20 | KitProg3 programming target selection switch (SW6)** |
| 2 | USB PD output voltage availability indicator (LED7) | 21 | CAPSENSE™ slider and buttons |
| 3 | KitProg3 USB connector (J10) | 22 | CAPSENSE™ proximity header (J13) |
| 4 | EZ-PD™ CCG3 Type-C Port Controller with PD (CYPD3125-40LQXI, U3) | 23 | PSoc™ 6 Bluetooth® LE VDD selection switch (SW5) |
| 5 | KitProg3 programming mode selection button (SW3) | 24 | PSoc™ 6 Bluetooth® LE power monitoring jumper (J8)** |
| 6 | KitProg3 I/O header (J6)* | 25 | ICSP header compatible with Arduino Uno R3 (J5)* |
| 7 | KitProg3 programming/custom application header (J7)* | 26 | PSoc™ 6 Bluetooth® LE user LEDs (LED8 and LED9) |
| 8 | External power supply connector (J9) | 27 | RGB LED (LED5) |
| 9 | PSoc™ 6 Bluetooth® LE user button (SW2) | 28 | 512-Mbit serial NOR flash memory (S25FL512S, U4) |
| 10 | KitProg3 application selection button (SW4) | 29 | Serial Ferroelectric RAM (U5)* |
| 11 | I/O header compatible with Digilent Pmod (J14)* | 30 | Vbackup and PMIC control selection switch (SW7) |
| 12 | Power LED (LED4) | 31 | PSoc™ 6 Bluetooth® LE (CY8C6347BZI-BLD53, U1) |
| 13 | KitProg3 status LEDs (LED1, LED2, and LED3) | 32 | Bluetooth® LE antenna |
| 14 | PSoc™ 6 Bluetooth® LE reset button (SW1) | 33 | U.FL connector for external antenna (J17)* |
| 15 | PSoc™ 6 Bluetooth® LE I/O header (J18, J19 and J20) | 34 | Main voltage regulator (MB39C022G, U6) |
| 16 | Power header compatible with Arduino Uno R3 (J1) | 35 | KitProg3 (PSoc™ 5LP) programmer and debugger (CY8C5868LTI-LP039, U2) |
| 17 | PSoc™ 6 Bluetooth® LE debug and trace header (J12) | 36 | Battery connector (J15)** |
| 18 | I/O headers compatible with Arduino Uno R3 (J2, J3, J4) | 37 | USB PD output voltage (9V/12V) connector (J16)* |
| 19 | PSoc™ 6 Bluetooth® LE program and debug header (J11) | | |

*Footprints only, not populated on the board.

**Components at the bottom side of the board.

PSoC™ 6 with AIROC™ Bluetooth® LE Pioneer Board Pinout Details



See the kit guide available at www.infineon.com/CY8CKIT-062-BLE for more details.