

PIC-BLE Development Board

Start Creating Bluetooth® Low Energy Connected Devices in Seconds

1 Download the LightBlue® app



LightBlue®
by PunchThrough

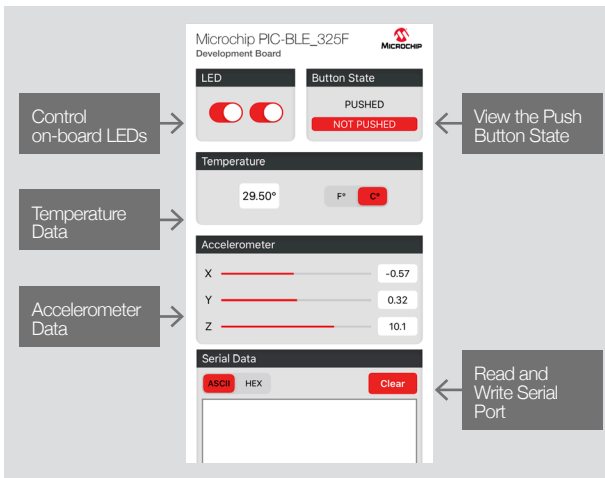
2 Power your board through a Micro-USB cable or CR2032 battery



3 Open the LightBlue app and select the PIC-BLE peripheral



4 Use the custom interface to explore your board



PICoB Development Board Pinout Diagram

Micro USB Connector

- CDC RX: RB4 | EUSART1 TX
- CDC TX: RB5 | EUSART1 RX
- DEBUG GPIO0: RA7

PICoB Nano Debugger/Programmer

MCP9844 Temperature Sensor

- I²C SCL: RB1
- I²C SDA: RB2

BMA253 Acceleration Sensor

- RB1: I²C SCL
- RB2: I²C SDA
- RA6: BMA 253 INT1

ATECC608A Secure Element

- RB1: I²C SCL
- RB2: I²C SDA

PIC16LF18456 MCU

- AN: RA2
- RST: RA3
- SPI CS: RC0
- SPI SCK: RC1
- SPI MISO: RC2
- SPI MOSI: RC3
- 3.3V: RA4
- GND: RA1, RB3, RB0, RB2

PIC-BLE

- RA5: DATA LED (GREEN)
- RN4870 P2_2: ERROR LED (RED)
- RN4870 P1_1: BLE STATUS LED (BLUE)

SST25PF040C 4MB FLASH

- RC7: SPI FLASH CS
- RC1: SPI SCK
- RC2: SPI MISO
- RC3: SPI MOSI

Other Components

- MIC33950 DC/DC Converter
- PWM: RA4
- INT: RB1
- UART RX: RB3
- UART TX: RB0
- I²C SCL: RB1
- I²C SDA: RB2
- 5.0V: RA1
- GND: RB2

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