

feather

32u4 Bluefruit LE

<https://www.adafruit.com/product/2829>

- Power
- GND
- Serial Pin
- Analog Pin
- Control
- INT
- Physical Pin
- Port Pin
- Pin function
- Interrupt Pin
- PWM Pin
- Connected to BLE
- Port Power

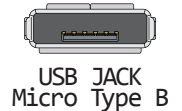
25	PD4	ICP1	ADC8	4	RST
28	PB4	ADC11		8	CS
1	PE6	INT6	AIN0	7	IRQ

■ BLE Module control

PWM TYPE

- 10bit
- 8/16bit
- HS
- 16bit
- 8bit

The power sum for each pin's group should not exceed 100mA



Can't go higher than 3.3V!

- 18 A0
- 19 A1
- 20 A2
- 21 A3
- 22 A4
- 23 A5
- 15 *
- 16 *
- 14 *
- 0
- 1

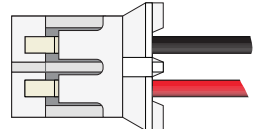
- RESET 13
- 3V3
- AREF 42
- GND
- ADC7 TDI PF7 36
- ADC6 TD0 PF6 37
- ADC5 TMS PF5 38
- ADC4 TCK PF4 39
- ADC1 PF1 40
- ADC0 PF0 41
- SCLK PCINT1 PB1 9
- MOSI PCINT2 PDI PB2 10
- MISO PCINT3 PDO PB3 11
- RXD1 INT2 PD2 20
- TXD1 INT3 PD3 21
- DFU

Used for BLE firmware update
Normally, keep it disconnected!

The output from 3.3V Regulator
Absolute MAX 400mA ■ 3V3

Absolute MAX per pin 20mA
recommended 10mA

Absolute MAX 200mA
for entire package



Optional Lipoly Battery

- VBAT 3.7V → 4.2V
- En Connect to ground to disable the 3.3V regulator
- VBUS

- 32 PC7 ICP3 CLK0 OC4A ■ 13
- 26 PD6 T1 OC4D ADC9 ■ 12 A11
- 12 PB7 PCINT7 OC1C OC0A RTS ■ 11
- 30 PB6 PCINT6 OC1B OC4B ADC13 ■ 10 A10
- 29 PB5 PCINT5 OC1A OC4B ADC12 ■ 9 A9
- 27 PD7 T0 OC4D ADC10 ■ 6 A7
- 31 PC6 OC3A OC4A ■ 5
- 18 PD0 INT0 OC0B SCL ■ 3
- 19 PD1 INT1 SDA ■ 2

■ VBUS It's connected to 5V USB
Absolute MAX 500mA

■ VBAT It's the positive voltage
from/to the JST batt jack

