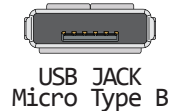


feather

M0 Bluefruit LE

<https://www.adafruit.com/product/2995>

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



13	PA08	NMI	SC0PAD0	AIN16	TC0W00	TCC1W02	4	CS
30	PA21	EXTINT5	SC5PAD3	TC7W01	TCC0W07		7	IRQ
11	PA06	EXTINT6	SC1PAD1	AC/AIN2	AIN7	TCC1W00	8	RST

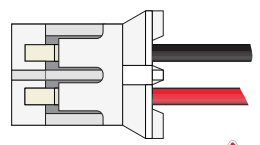
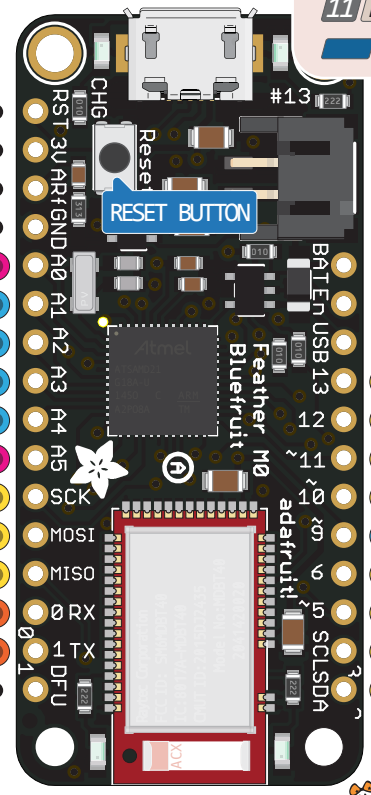
BLE Module control

Can't go higher than 3.3V! VREFA

	RESET	40
	3V3	
	GND	
	VREFA	
	VREFA	
	AIN1	
	EXTINT3	
	PA03	4
	GND	
	VOUT	
	AIN0	
	EXTINT2	
	PA02	3
	AIN2	
	TC4W00	
	EXTINT8	
	PB08	7
	AIN3	
	TC4W01	
	EXTINT9	
	PB09	8
	AIN4	
	VREFB	
	AC/AIN0	
	TCC0W00	
	EXTINT4	
	PA04	9
	AIN5	
	AC/AIN1	
	TCC0W01	
	EXTINT5	
	PA05	10
	AIN10	
	TC6W00	
	EXTINT2	
	PB02	47
	SCK	
	TCC0W05	
	TC5W01	
	EXTINT11	
	PB11	20
	MOSI	
	TCC0W04	
	TC5W00	
	EXTINT10	
	PB10	19
	MISO	
	TCC2W00	
	TCC0W06	
	SC2PAD0	
	EXTINT12	
	PA12	21
	RXD0	
	AIN19	
	TCC1W01	
	TCC0W03	
	SC0PAD3	
	EXTINT11	
	PA11	16
	TXD0	
	TCC1W00	
	TCC0W02	
	SC0PAD2	
	EXTINT10	
	PA10	15

Used for BLE firmware update
Normally, keep it disconnected! DFU

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



Optional Lipoly Battery

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

	PA17	EXTINT1	SC1PAD1	TCC2W01	TCC0W07			13
	PA19	EXTINT3	SC1PAD3	TC3W01	TCC0W03			12
	PA16	EXTINT0	SC3PAD2	TCC2W00	TCC0W06			11
	PA18	EXTINT2	SC1PAD2	TC3W00	TCC0W02			10
	PA07	EXTINT7	TCC1W01	AC/AIN2	AIN7			9
	PA20	EXTINT4	SC5PAD2	TC7W00	TCC0W06			6
	PA15	EXTINT15	SC2PAD2	TC3W01	TCC0W05			5
	PA23	EXTINT7	SC0PAD2	TC4W01	TCC0W05	SCL		21
	PA22	EXTINT6	SC3PAD0	TC4W00	TCC0W04	SDA		20

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

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

Absolute MAX per pin 10mA
recommended 7mA

Absolute MAX 130mA
for entire package

The power sum for each pin's
group should not exceed 65mA