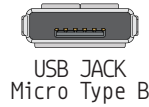


# feather

## M0 Bluefruit

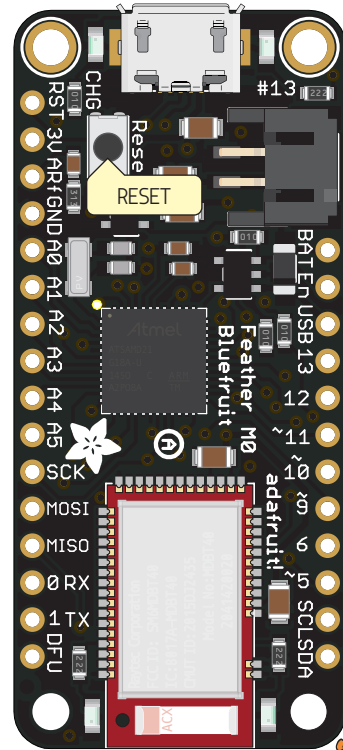
### PINOUT



#### BLE Module control

13	PA08	EINT9	I2C	S02:0	I2SD1	AIN16	4	RST
30	PA21	EINT5	I2C	S35:3	I2SFS0		7	IRQ
11	PA06	EINT6		S0:2		AIN6	8	CS

⚡ Used by the BLE radio module too!



Can't go higher than 3.3V ⚠️

RESET	40	AIN1	VREFA	EINT3	PA02	4	GND
14	A0	AIN0	DAC	EINT2	PA02	3	
15	A1	AIN2	S4:0	EINT8	PB08	7	
16	A2	AIN3	S4:1	EINT9	PB09	8	
17	A3	AIN4	S0:0	VREFB	EINT4	PA04	9
18	A4	AIN5	S0:1	EINT5	PA05	10	
19	A5	AIN10	S5:0	EINT2	PB02	47	
24	SCK	S4:3	I2SCL	EINT11	PB11	20	
23	MOSI	S4:2	I2SMC	EINT10	PB10	19	
22	MISO	S24:0	I2C	PA12	21		
0	RX	S02:3	I2SF0	EINT11	PA11	16	
1	TX	S02:2	I2SCK	EINT10	PA10	15	
DFU							



VBAT  
En ⚠️ Connect to ground to disable the 3.3V regulator  
VBUS

- Power
- GND
- Physical PIN
- Port PIN
- Analog PIN
- Serial PIN
- PIN Function
- Interrupt PIN
- Control PIN
- IDE

Used for BLE firmware update ⚠️  
Normally keep it disconnected

PWM Pin  
Port power group

- ⚠️ The total current of each port power group should not exceed 65mA
- ⚠️ Absolute MAX per pin 10mA, 7mA recommended
- ⚠️ Absolute MAX 130mA for the entire package

26	PA17	EINT1	I2C	S13:1		13
28	PA19	EINT3	I2SD0	S13:3		12
25	PA16	EINT0	I2C	S13:0		11
27	PA18	EINT2		S13:2		10
12	PA07	EINT7	I2SD0	S0:3	AIN7	9
29	PA20	EINT4	I2SSC	S35:2		6
24	PA15	EINT15		S24:3		5
32	PA23	EINT7	I2C	S35:1	SCL	21
31	PA22	EINT6	I2C	S35:0	SDA	20

- VBUS Connected to 5V USB Port Absolute MAX 500mA
- VBAT It's the positive voltage from to JST Batt jack
- 3V3 3V3 output from regulator Absolute MAX 400mA



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

04 SEP 2017  
ver 2 rev 2