feather 32u4 Bluefruit PINOUT

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

PWM Pin

Port power group

BLE Module control

25	PD4	ICP1		ADC8		4	RST
1	PE6	INT6	AIN0			7	IRQ
28	PB4	PCINT4		ADC11		8	CS

Used by the BLE radio module too!

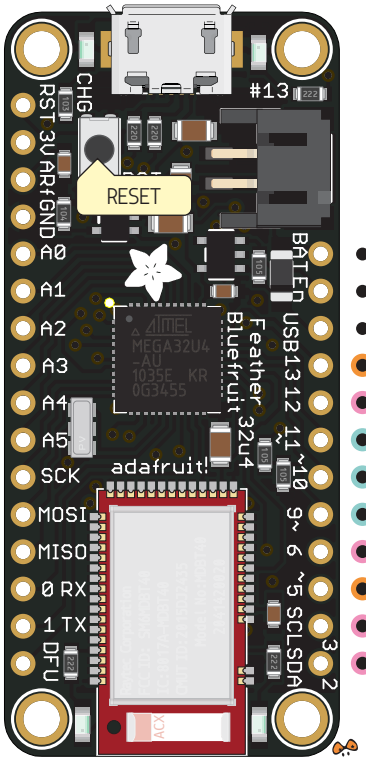
USB JACK
Micro Type B

Optional Lipoly Battery

Connect to ground to disable the 3.3V regulator

Can't go higher than 3.3V

Used for BLE firmware update
Normally keep it disconnected



					RESET	13				
					3V3					
					AREF	42				
					GND					
18	A0	ADC7	TDI		PF7	36				
19	A1	ADC6	TDO		PF6	37				
20	A2	ADC5	TMS		PF5	38				
21	A3	ADC4	TCK		PF4	39				
22	A4	ADC1			PF1	40				
23	A5	ADC0			PF0	41				
15		SCLK		PCINT1	PB1	9				
16		MOSI	PDI	PCINT2	PB2	10				
14		MISO	PDO	PCINT3	PB3	11				
0		RXD1	INT2		PD2	20				
1		TXD1	INT3		PD3	21				
					DFU					

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

The total current of each port power group should not exceed 100mA

Absolute MAX per pin 20mA, 10mA recommended

Absolute MAX 200mA for the entire package

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

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