feather
32u4 Bluefruit
PINOUT

USB JACK
Micro Type B

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!

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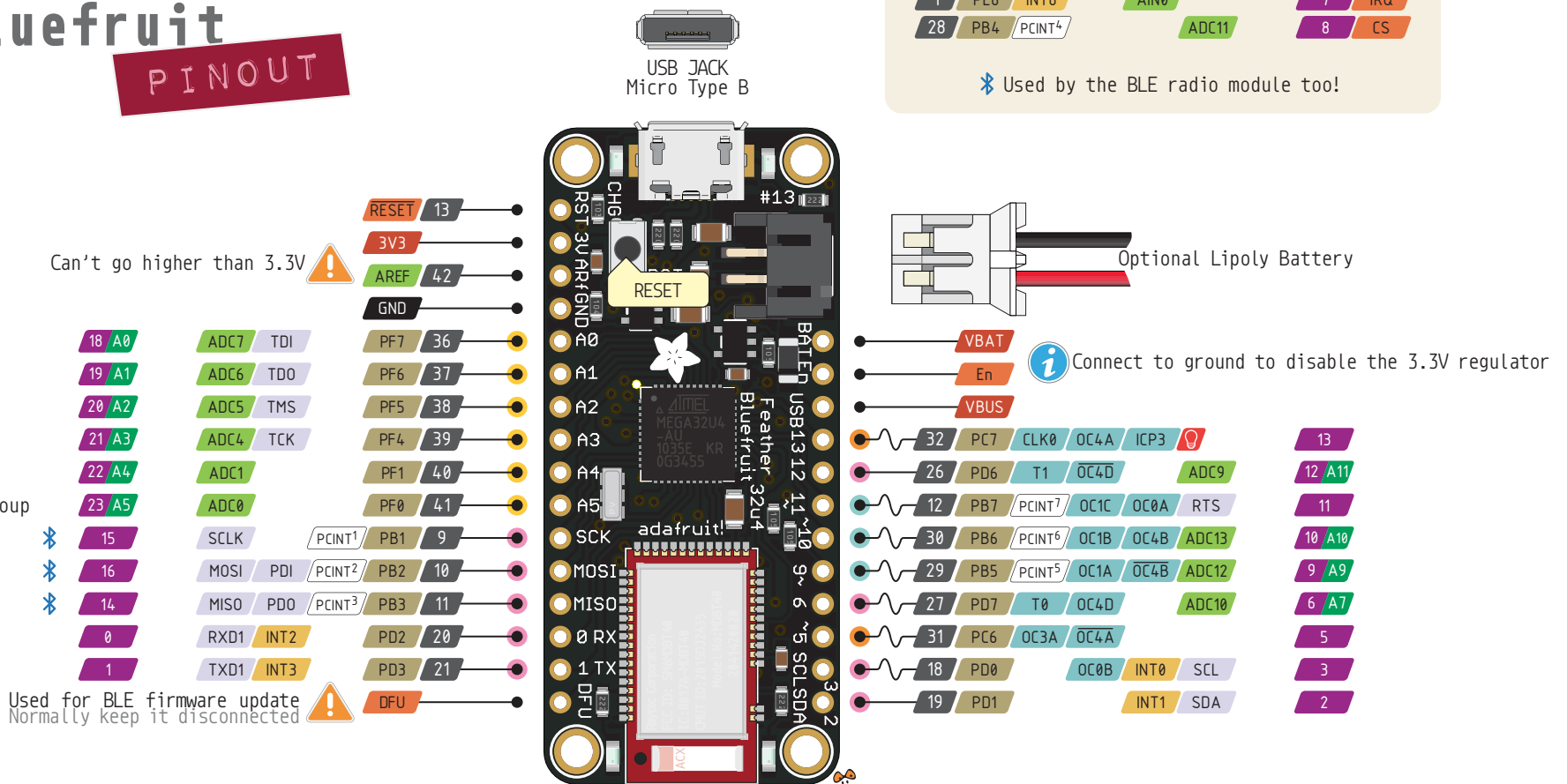- Power
- GND
- Physical PIN
- Port PIN
- Analog PIN
- Serial PIN
- PIN Function
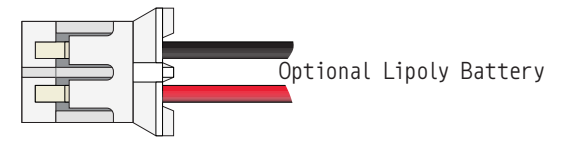- Interrupt PIN
- Control PIN
- IDE

⎍ PWM Pin

⬤ Port power group

Can't go higher than 3.3V ⚠

		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

Used for BLE firmware update ⚠
Normally keep it disconnected

DFU

🚫 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

RST 3V 3UARTfGND CHG
A0
A1
A2
A3
A4
A5
SCK
MOSI
MISO
0 RX
1 TX
DFU

#13

RESET

adafruit!

BAT En USB1312 11 ~10 9~ 6 ~5 SCLSDA 3 2

Optional Lipoly Battery

VBAT

En — ℹ Connect to ground to disable the 3.3V regulator

VBUS

32	PC7	CLK0	OC4A	ICP3		💡	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		OC0B	INT0	SCL		3
19	PD1			INT1	SDA		2

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

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