feather
32u4 LoRa PINOUT

LoRa Module control

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

📶 Used by the LoRa radio module too!

USB JACK
Micro Type B

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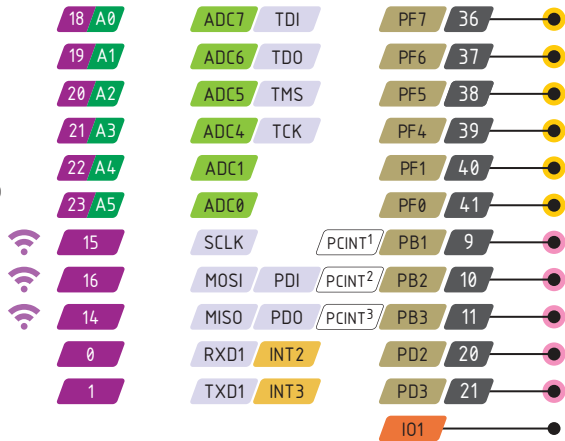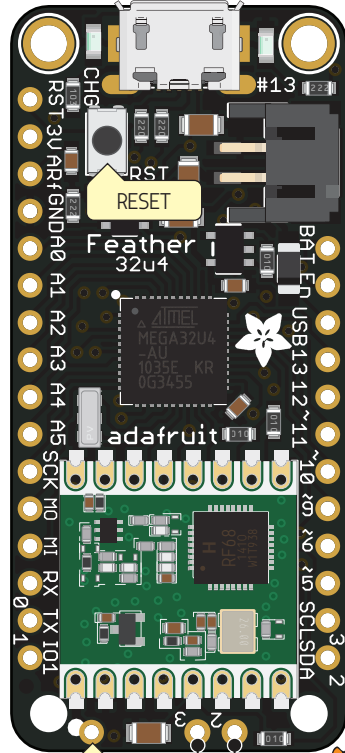- Power
- GND
- Physical PIN
- Port PIN
- Analog PIN
- Serial PIN
- PIN Function
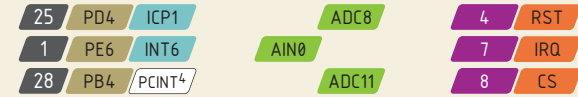- Interrupt PIN
- Control PIN
- IDE

PWM Pin

Port power group
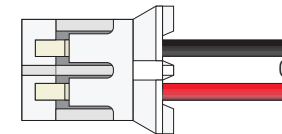
Can't go higher than 3.3V ⚠️

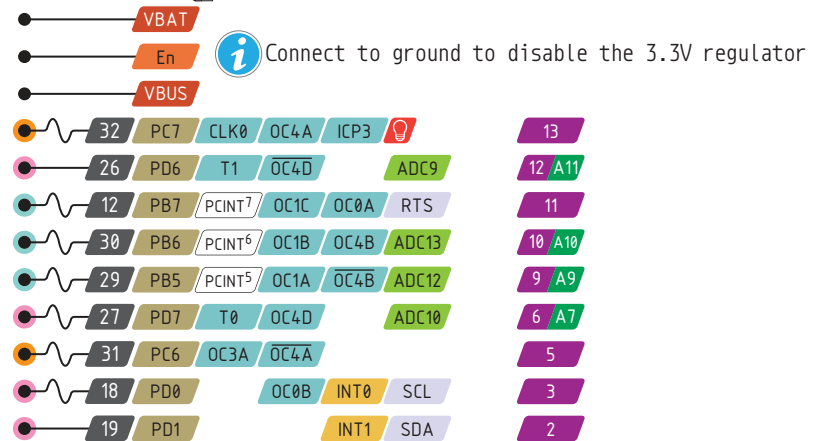| RESET | 13 |
3V3	
AREF	42
GND	

Optional Lipoly Battery

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

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
						IO1	

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

EXT Ant

IO3   IO2

ℹ️ IO1, IO2, IO3 are LoRa Module GPIO Pins

🚫 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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https://www.adafruit.com/product/3078