

# feather

## 32u4 Basic

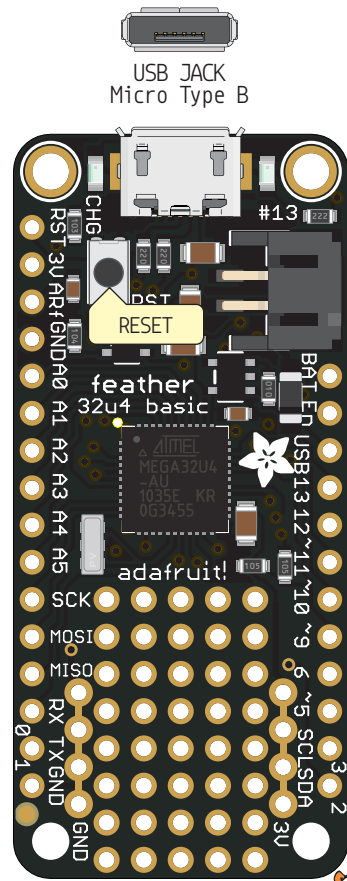
### PINOUT

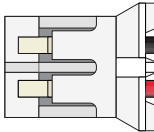














- Power
- GND
- Physical PIN
- Port PIN
- Analog PIN
- Serial PIN
- PIN Function
- Interrupt PIN
- Control PIN

PWM Pin  
Port power group

Can't go higher than 3.3V

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	
	GND	



	Optional Lipoly Battery									
	VBAT									
	En		 Connect to ground to disable							
	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				

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



<https://www.adafruit.com/product/2771>

