feather 32u4 FONA PINOUT

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

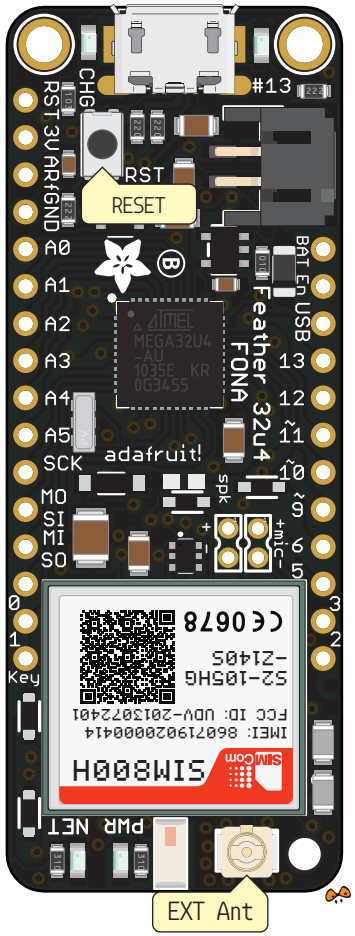
PWM Pin

Port power group

GSM Module control

25	PD4	ICP1			ADC8	4	RST
1	PE6	INT6		AIN0		7	RI
31	PC6	OC3A	OC4A			5	DTR
27	PD7	T0	OC4D		ADC10	6	RTS
29	PB5	PCINT5	OC1A	OC4B	ADC12	9	RXD
28	PB4	PCINT4			ADC11	8	TXD

USB JACK
Micro Type B



Can't go higher than 3.3V

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

Manual module power control
(cut the trace on bottom before)

Optional Lipoly Battery

Connect to ground to disable the 3.3V regulator

VBAT							
En							
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/3027

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04 SEP 2017
ver 1 rev 3