

feather

M0 Express

PINOUT

Can't go higher than 3.3V

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

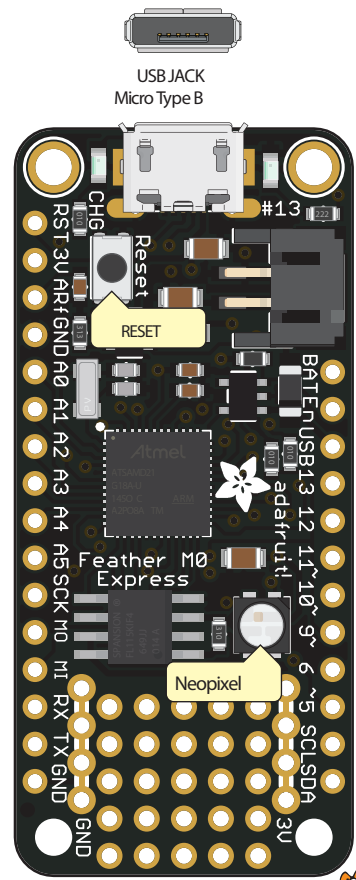
- PWM Pin
- Port power group

	AIN1	VREFB	EINT³	PA03	4
		GND			
14	A0	AIN0	DAC	EINT²	PA02
15	A1	AIN2	S^{4:0}	EINT⁸	PB08
16	A2	AIN3	S^{4:1}	EINT⁹	PB09
17	A3	AIN4	S^{0:0}	VREFB	EINT⁴
18	A4	AIN5	S^{0:1}	EINT⁵	PA05
19	A5	AIN10	S^{5:0}	EINT²	PB02
24		SCK	S^{4:3}	I2SCL	EINT¹¹
23		MOSI	S^{4:2}	I2SMC	EINT¹⁰
22		MISO	S^{2:0}	I2C	PA12
0		RX	S^{0:2:3}	I2SF0	EINT¹¹
1		TX	S^{0:2:2}	I2SCK	EINT¹⁰
		GND			

The total current of each port power group should not exceed 65mA

Absolute MAX per pin 10mA, 7mA recommended

Absolute MAX 130mA for the entire package

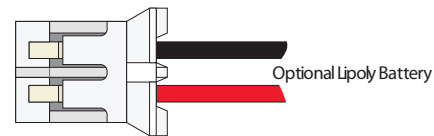


Flash Access

14	PA09	EINT⁹	I2C	S^{0:2:1}	I2SMC	3	SCK
23	PA14	EINT⁴		S^{3:4:2}		2	MISO
13	PA08	EINT⁹	I2C	S^{0:2:0}	I2SD1	4	MOSI
22	PA13	EINT³	I2C	S^{2:4:1}		38	CS

Neopixel

11	PA06	EINT⁶		S^{0:2}	AIN6	8	NEOPIX
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	VBAT						
	En		Connect to ground to disable the 3.3V regulator				
	VBUS						
	26	PA17	EINT¹	I2C	S^{1:3:1}		13
	28	PA19	EINT⁸	I2SD0	S^{1:3:3}		12
	25	PA16	EINT⁹	I2C	S^{1:3:0}		11
	27	PA18	EINT²		S^{1:3:2}		10
	12	PA07	EINT⁷	I2SD0	S^{0:3}	AIN7	9
	29	PA20	EINT⁴	I2SSC	S^{3:5:2}		6
	24	PA15	EINT¹⁵		S^{2:4:3}		5
	32	PA23	EINT⁷	I2C	S^{3:5:1}	SCL	27
	31	PA22	EINT⁶	I2C	S^{3:5:0}	SDA	26

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/3403>

