feather
M0 Express PINOUT

Flash Access

14	PA09	EINT^9	I2C	S$^{02:1}$	I2SMC		3	SCK
23	PA14	EINT^{14}		S3$^{4:2}$			2	MISO
13	PA08	EINT^9	I2C	S$^{02:0}$	I2SD1	AIN16	4	MOSI
22	PA13	EINT^{13}	I2C	S2$^{4:1}$			38	CS

Neopixel

| 11 | PA06 | EINT^6 | | S$^{0:2}$ | | AIN6 | 8 | NEOPIX |

USB JACK
Micro Type B

CHG   Reset   #13

RESET

Optional Lipoly Battery

Can't go higher than 3.3V ⚠️

	AIN1		VREFA	EINT^3	PA02	4
					GND	
			RESET	40
			3V3

VBAT

En   ℹ️ Connect to ground to disable the 3.3V regulator

VBUS

14	A0	AIN0	DAC		EINT^2	PA02	3
15	A1	AIN2	S$^{4:0}$		EINT^8	PB08	7
16	A2	AIN3	S$^{4:1}$		EINT^9	PB09	8
17	A3	AIN4	S$^{0:0}$	VREFB	EINT^4	PA04	9
18	A4	AIN5	S$^{0:1}$		EINT^5	PA05	10
19	A5	AIN10	S$^{5:0}$		EINT^2	PB02	47
24		SCK	S$^{4:3}$	I2SCL	EINT^{11}	PB11	20
23		MOSI	S$^{4:2}$	I2SMC	EINT^{10}	PB10	19
22		MISO	S2$^{4:0}$	I2C		PA12	21
0		RX	S$^{02:3}$	I2SF0	EINT^{11}	PA11	16
1		TX	S$^{02:2}$	I2SCK	EINT^{10}	PA10	15
						GND	

Legend

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

∿ PWM Pin

⬤ Port power group

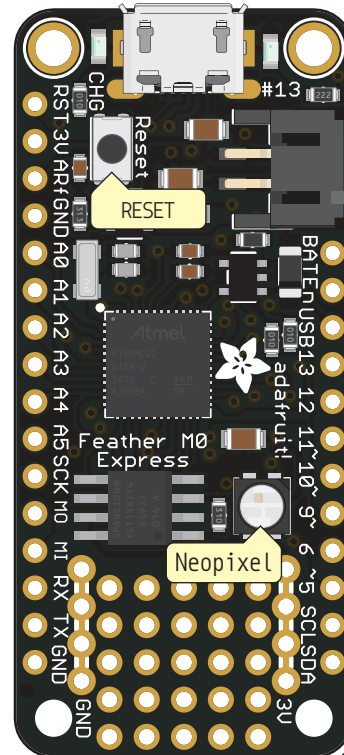| 26 | PA17 | EINT^1 | I2C | | S1$^{3:1}$ | 💡 | 13 |
28	PA19	EINT^3	I2SD0		S1$^{3:3}$		12
25	PA16	EINT^0	I2C		S1$^{3:0}$		11
27	PA18	EINT^2			S1$^{3:2}$		10
12	PA07	EINT^7	I2SD0	S$^{0:3}$		AIN7	9	A7
29	PA20	EINT^4	I2SSC		S3$^{5:2}$		6
24	PA15	EINT^{15}			S2$^{4:3}$		5
32	PA23	EINT^7	I2C		S3$^{5:1}$	SCL	21
31	PA22	EINT^6	I2C		S3$^{5:0}$	SDA	20

Neopixel

Feather M0 Express

Atmel

adafruit!

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

⚠️ Absolute MAX per pin 10mA, 7mA recommended
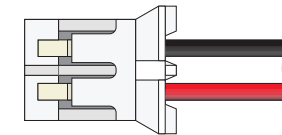
🚫 Absolute MAX 130mA for the entire package

circuit python

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

ADAFRUIT INDUSTRIES