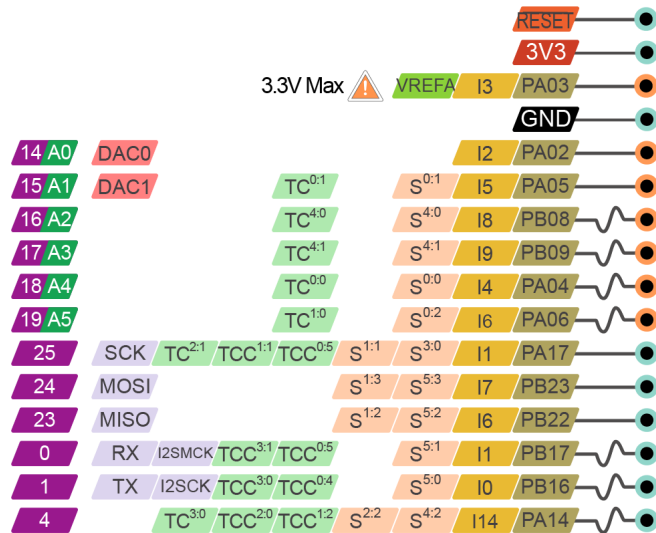
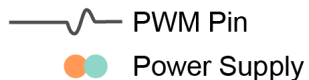
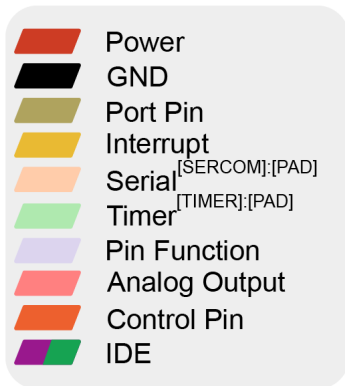


# feather

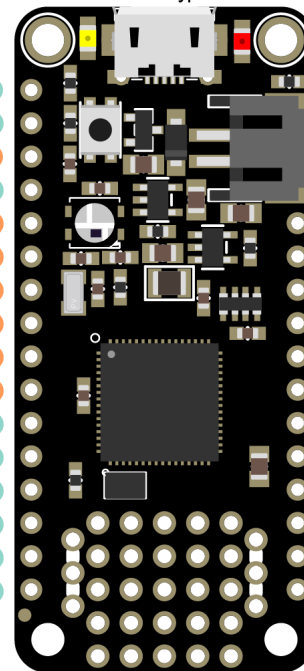
## M4 Express

### PINOUT



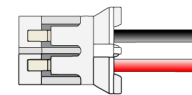
**ABSOLUTE** Max per pin  
10mA, 7mA Recommended

**ABSOLUTE** Max 130mA  
for the entire package



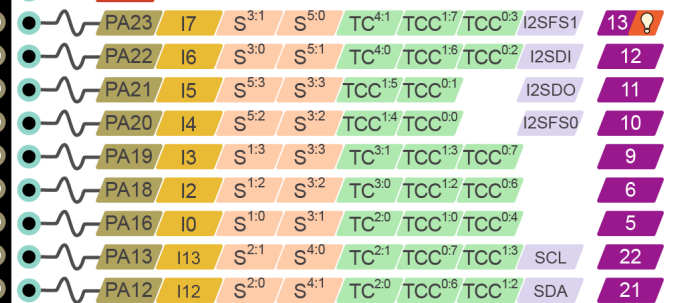
### On-Board Components

QSPI FLASH Memory					
PB10	I10	S <sup>4:2</sup>	TC <sup>5:0</sup> TCC <sup>0:4</sup> TCC <sup>1:0</sup> Q_SCK		34
PB11	I11	S <sup>4:3</sup>	TC <sup>5:1</sup> TCC <sup>0:5</sup> TCC <sup>1:1</sup> Q_CS		35
PA08	NMI	S <sup>0:0</sup> S <sup>2:1</sup>	TC <sup>0:0</sup> TCC <sup>0:0</sup> TCC <sup>1:4</sup> Q_IO0		36
PA09	I9	S <sup>0:1</sup> S <sup>2:0</sup>	TC <sup>0:1</sup> TCC <sup>0:1</sup> TCC <sup>1:5</sup> Q_IO1		37
PA10	I10	S <sup>0:2</sup> S <sup>2:2</sup>	TC <sup>1:0</sup> TCC <sup>0:2</sup> TCC <sup>1:6</sup> Q_IO2		38
PA11	I11	S <sup>0:3</sup> S <sup>2:3</sup>	TC <sup>1:1</sup> TCC <sup>0:3</sup> TCC <sup>1:7</sup> Q_IO3		39
Battery Voltage Divider					
PB01	I1	S <sup>5:3</sup>	TC <sup>7:1</sup>		20 A6
Built-In NeoPixel					
PB03	I3	S <sup>5:1</sup>	TC <sup>6:1</sup>		8



Optional LiPoly Battery

Connect to GND to disable 3.3V regulator



**VUSB** Connected to 5V USB Port  
**ABSOLUTE** Max 500mA

**VBAT** Connected to Positive Terminal  
of LiPo Battery

**3V3** 3.3V output from regulator  
**ABSOLUTE** Max 400mA



<https://www.adafruit.com/product/3857>

