Adafruit ItsyBitsy M4

https://www.adafruit.com/product/3800

RESET
3.3V
AREF
VHI

VBAT
GND
VBUS

APA102_MOSI — 8 — PB03 — 3 — A0[15] — S5.1 — TC6[1]
APA102_SCK — 6 — PB02 — 2 — A0[14] — S5.0 — TC6[0] — TCC2[2]

			A0[0]	VOUT0	2	PA02	14/A0	A0			
			A0[5]	VOUT1	5	PB08	15/A1	A1			
TC0[1]	S0.1		A0[2]/A1[0]		8	PB09	16/A2	A2			
TC4[0]	S4.0		A0[3]/A1[1]		9	PB09	17/A3	A3			
TC4[1]	S4.1		A0[4]	VREFB	4	PA04	18/A4	A4			
TC0[0]	S0.0		A0[6]	VREFC	5	PA05	19/A5	A5			
TC0[1]	S1.0				1	PA01	24	SCK			
TC2[1]	S1.1				0	PA00	25	MOSI			
TC2[0]	S1.0				7	PB23	23	MISO			
TC7[1]	S5.3	S1.2			7	PB22					
TC1[1]	S0.3		A0[7]		7	PA07	2/A6	D2			

SDCD
SDWP

D13	13	PA22	6	S3.0	S5.1	TC4[0]	TCC1[6]	TCC0[2]				
D12	10	PA23	7	S3.1	S5.0	TC4[1]	TCC1[7]	TCC0[3]	SOF 1KHZ	FS1	SDA6
D11	11	PA21	5	S3.3	S3.3	TC7[1]	TCC1[5]	TCC0[1]	SDCK	SDO	SDA5
D10	10	PA20	4	S5.2	S3.2	TC7[0]	TCC1[4]	TCC0[0]	SDCMD	FS0	SDA4
D9	9	PA19	3	S1.3	S3.3	TC3[1]	TCC1[3]	TCC0[7]			DATA3
D7	7	PA18	2	S1.2	S3.2	TC3[0]	TCC1[2]	TCC0[6]			DATA2
D5	5	PA15	15	S2.3	S4.3	TC3[1]	TCC2[1]	TCC0[5]			
SCL	22	PA13	13	S2.1	S4.0	TC2[1]	TCC0[7]	TCC1[3]	SDWP		DEN2
SDA	21	PA12	12	S2.0	S4.1	TC2[0]	TCC0[6]	TCC1[2]	SDCD		DEN1
D1	1	PA17	1	S3.1	S3.0	TC2[1]	TCC1[5]	TCC0[5]			DATA1
D0	0	PA16	0	S1.0	S3.1	TC2[0]	TCC1[4]	TCC0[4]			DATA0
D4	4	PA14	14	S2.2	S4.2	TC3[0]	TCC2[0]	TCC1[2]		CLK	
D3	3	PB22	6	S1.2	S5.2	TC7[0]			SOF 1KHZ		

SWCLK
SWDIO
EN

The Microchip (nee Atmel) SAMD51 is an ARM Cortex-M4F running at 120 MHz with 192 or 256kB on-chip SRAM, up to 1MB Flash memory and built in USB. All GPIO is 3.3V in/out max unless otherwise stated. SERCOMs can be used as UART (TX on SERCOM pad 0, RX on any pad), I2C (SDA on pad 0, SCL on pad 1), or SPI (SCK on pad 1, MOSI on pad 0 or 3, MISO on any pad remaining)

Legend:
- Power
- GND
- Control
- CircuitPython Name
- Arduino Name
- GPIO
- INT
- DAC/AREF
- ADC
- SERCOM
- SERCOM Alt
- Timer
- Timer Alt
- Timer Alt2
- Special
- I2S
- PCC