

Qwiic Micro - SAMD21E (DEV-15423)

Arduino Tips

analogWriteResolution (10) - to update PWM (0-1023)

analogReadResolution(12) - to update ADC (0-4095)

Pin name	Port
Power	Analog
Ground	Serial
Control	PWM
Arduino	Misc

The diagram shows the STM32F103C8T6 microcontroller board with the following pin connections:

Pin	Function	Color
DAC	A0	PA02
MOSI	A1	PA06
MISO	A2	PA05
SCK	A3	PA07
CS		PA00
		PA01
AREFB	A5	PA04
		D1
		D2
		D3
		D4
		D5
		D6
		D7
		D13
		D13
		LED
		PA10
		A4
		D23
		D22
		GND
		RESET
		CONTROL
		PA31
		PA30
		GND
		CONTROL

Power

VBatt: 3V-6V

VUSB: 5V

VCC: 3.3V @600mA

Power Switch

JST connector on backside

SAMD21E

ARM Cortex-M0+ @48MHz

VCC: 1.62V-3.63V

256KB Flash/32KB SRAM

(plus 4Mb SPI Flash chip)

4 Sercom ports

12-bit ADC

10-bit DAC

LEDs/Misc Pins

Power LED: Red

Stat LED: Blue

Qwiic Connector (I2C)

(SDA:D0, SCL:D8)

W25Q32FV 4Mb flash

(MOSI:D2, SCK:D4,

(MISO:D3, CS:D5)

