

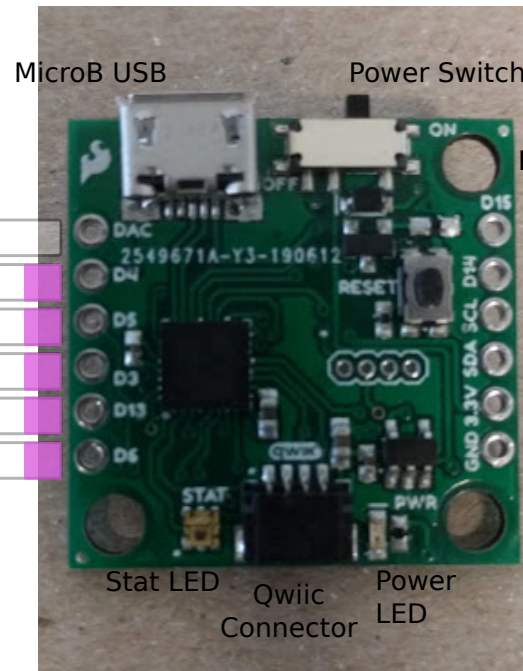
Qwiic Micro - SamD21E

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

DAC	A0	PA2	D1	DAC
MOSI	A1	PA6	D4	D4
MISO	A2	PA5	D5	D5
SCK	A3	PA7	D3	D3
	A4	PA10	D13	D13
A5	PA4	D6	AREFB	D6



Reset Button

- Double tap to enter bootloader

D15	D15	PA22	RX
D14	D14	PA23	TX
SCL	D2	PA8	SCL
SDA	D0	PA9	SDA
3.3V	3.3V		
GND	GND		

SWDIO	D20	PA30
SWCLK	D21	PA31
GND	GND	
RESET	RESET	

Power

VBatt: 3V-6V
VUSB: 5V
VCC: 3.3V @600mV
Power Switch
JST connector on backside
No Battery Charger

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: APA102-2020
(Data:D31, CLK:D32)
Qwiic Connector (I2C)
(SDA:D7, SCL:D8)
W25Q32FV 4Mb flash
(MOSI:D16, SCK:D17,
MISO:D18, SS:D19)

