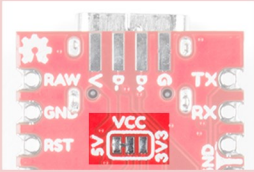


# Qwiic Pro Micro USB-C (DEV-15795)

5V/16MHz

### Voltage Selection (Vcc)

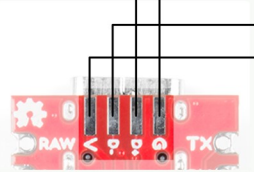
Jumper connects USB to 5V by default (bypasses 3.3V regulator)



Back of Board

### USB

USB pins are broken out to pads

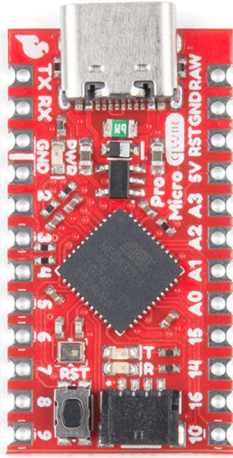


Back of Board

Name	ADC
Power	PWM
GND	Serial
Control	Ext Interrupt
Arduino	PC Interrupt
Port	Misc

The Arduino IDE renders all PWM pins as 8-bit


### USB-C



Doubletap the reset button to stay in bootloader mode for 8 seconds

INT3	TX1	PD3	D1	TX	RAW	RAW						
INT2	RX1	PD2	D0	RX	GND	GND						
			GND	GND	RST	Reset						
			GND	GND	5V	VCC						
OC0B	INT0	INT1	SDA	PD1	D2	2						
		SCL	8-bit	PD0	D3	3						
		ICP1	ADC8	PD4	D4/A6	4						
TO	OCA4	OC3A	10-bit (HS)	PC6	D5	5						
		OC4D	10-bit (HS)	ADC10	PD7	D6/A7	6					
		AIN0	INT6	PE6	D7	7						
		PCINT4	ADC11	PB4	D8/A8	8						
OCA4B	OC1A	PCINT5	16-bit	ADC12	PB5	D9/A9	9					
					A3	A3	PF4	ADC4	TCK			
					A2	A2	PF5	ADC5	TMS			
					A1	A1	PF6	ADC6	TDO			
					A0	A0	PF7	ADC7	TDI			
					15	D15	PB1	SCK	PCINT1			
					14	D14	PB3	MISO	PCINT3	PD0		
					16	D16	PB2	MOSI	PCINT2	PDI		
					10	D10/A10	PB6	ADC13	16-bit	PCINT6	OC1B	OC4B

### Qwiic



TX_LED	D30	PD5	
RX_LED	D17	PB0	SS

### Power

"RAW" Pin: 6V Max

"5V" Pin: 5V at ~500mA (default), dependent on USB Port

"5V" Pin: 3.3V at ~600mA, (if jumper set to 3.3V)

### USB

HID enabled

VID: 0x1B4F

PID: 0x9205 (bootloader); 0x9206 (sketch)

### ATmega32U4

Built-in USB 2.0

Absolute maximum VCC: 6V

Maximum current for chip: 200mA

Maximum current per pin: 40mA

Recommended current per pin: 20mA

8-bit Atmel AVR

Flash Program Memory: 32kB

EEPROM: 1kB

Internal SRAM 2.5kB

ADC: 10-bit

PWM: 8bit

High Speed PWM with programmable resolution from 2-11 bits

### LEDs

Power: Red


RX: Yellow

TX: Green


### Serial

Use Serial for the USB connection

Use Serial1 for the hardware serial UART connection



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