

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

5V/16MHz

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

The Arduino IDE renders all PWM pins as 8-bit

### 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

## USB-C

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