Pro Micro (Dev-12587)

8MHz/3.3V

Legend:

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

The Arduino IDE renders all PWM pins as 8-bit

J1 Connects VCC to USB (bypasses regulator)

MicroB

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

Left side pin table:

						TXO
		INT3	TX1	PD3	D1	TXO
		INT2	RX1	PD2	D0	RXI
				GND	GND	
				GND	GND	
		INT1	SDA	PD1	D2	2
OC0B	INT0	SCL	8-bit	PD0	D3	3
		ICP1	ADC8	PD4	D4/A6	4
	OCA4	OC3A	10-bit (HS)	PC6	D5	5
TO	OC4D	10-bit (HS)	ADC10	PD7	D6/A7	6
		AIN0	INT6	PE6	D7	7
		PCINT4	ADC11	PB4	D8/A8	8
OC4B	OC1A	PCINT5	16-bit	ADC12	PB5	D9/A9	9

Right side pin table:

RAW	RAW				
GND	GND				
RST	Reset				
VCC	VCC				
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

Bottom:

SS	PB0	D17	RX_LED		TX_LED	D24	PD5

Power

RAW: 4V-16V

VCC: 3.3V at 500mA

USB

HID enabled

VID: 0x1B4F

PID: 0x9203 (bootloader); 0x9204 (sketch)

ATmega32U4

Built in USB 2.0
Absolute maxiumum 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 connection