METRO adafruit PINOUT

Vin — Input voltage to the board when it's using an external power source. Not USB bus

IOREF — Logic reference voltage for shields that use it. Is connected to the 5V bus

3V3 — The Absolute output from the 3.3V regulator is MAX 150MA

Legend

Power	Serial PIN		
GND	PIN Function		
Physical PIN	Interrupt PIN		
Port PIN	Control PIN		
Analog PIN	IDE		

PWM Pin

Port power group

+7V...+12V

GND

2.1mm

Vin

USB JACK
Micro Type B

Absolute MAX per pin 40mA, 20mA recommended

Absolute MAX 200mA for the entire package

The total current of each port power group should not exceed 100mA
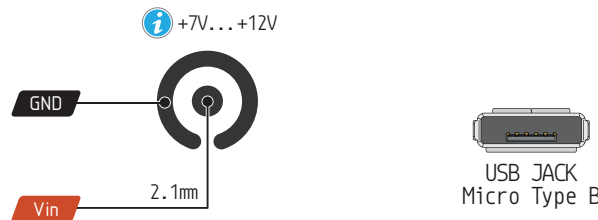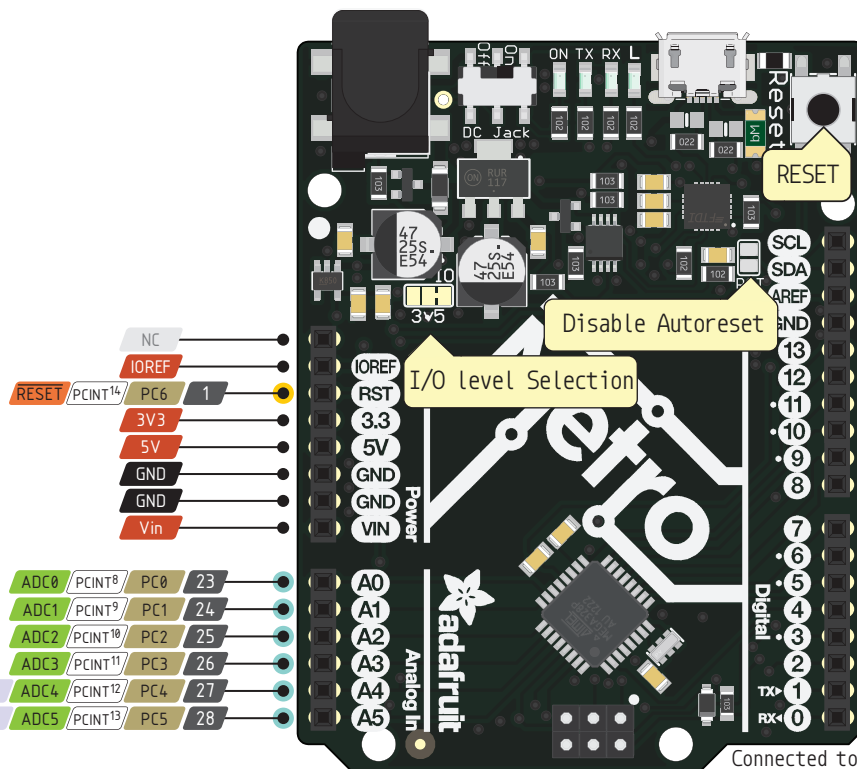
When I/O level is 3.3V

Absolute MAX per pin 20mA, 10mA recommended

ON TX RX L

Off

DC Jack

Reset

RESET

3v5

Disable Autoreset

I/O level Selection

etro

adafruit

Analog In

Power

Digital

TX▶

RX◀

Power / Analog pins (left)

IOREF		
RST		
3.3		
5V		
GND		
GND		
VIN		
A0		
A1		
A2		
A3		
A4		
A5		

NC

IOREF

RESET PCINT14 PC6 1

3V3

5V

GND

GND

Vin

14	A0	ADC0	PCINT8	PC0	23
15	A1	ADC1	PCINT9	PC1	24
16	A2	ADC2	PCINT10	PC2	25
17	A3	ADC3	PCINT11	PC3	26
18	A4	SDA	ADC4	PCINT12	PC4	27
19	A5	SCL	ADC5	PCINT13	PC5	28

Digital / Analog pins (right)

SCL	28	PC5	PCINT13	ADC5	SCL	19	A5
SDA	27	PC4	PCINT12	ADC4	SDA	18	A4
AREF	21	AREF					
GND		GND					
13	19	PB5	PCINT5		SCK	13	
12	18	PB4	PCINT4		MISO	12	
11	17	PB3	PCINT3	OC2A	MOSI	11	
10	16	PB2	PCINT2	OC1B	SS	10	
9	15	PB1	PCINT1	OC1A		9	
8	14	PB0	PCINT0	CLKO	ICP1	8	
7	13	PD7	PCINT23	AIN1		7	
6	12	PD6	PCINT22	AIN0	OC0A	6	
5	11	PD5	PCINT21	T1	OC0B	5	
4	6	PD4	PCINT20	XCK	T0	4	
3	5	PD3	PCINT19	INT1	OC2B	3	
2	4	PD2	PCINT18	INT0		2	
1	3	PD1	PCINT17		TXD	1	
0	2	PD0	PCINT16		RXD	0	

Connected to the ATmega and used for USB programming and comunicating with it

ICSP Pinout

RESET	PCINT14	PC6	1
19	PB5	PCINT5	SCK
18	PB4	PCINT4	MISO

1

GND

5V

| 17 | PB3 | PCINT3 | OC2A | MOSI |

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