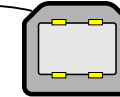
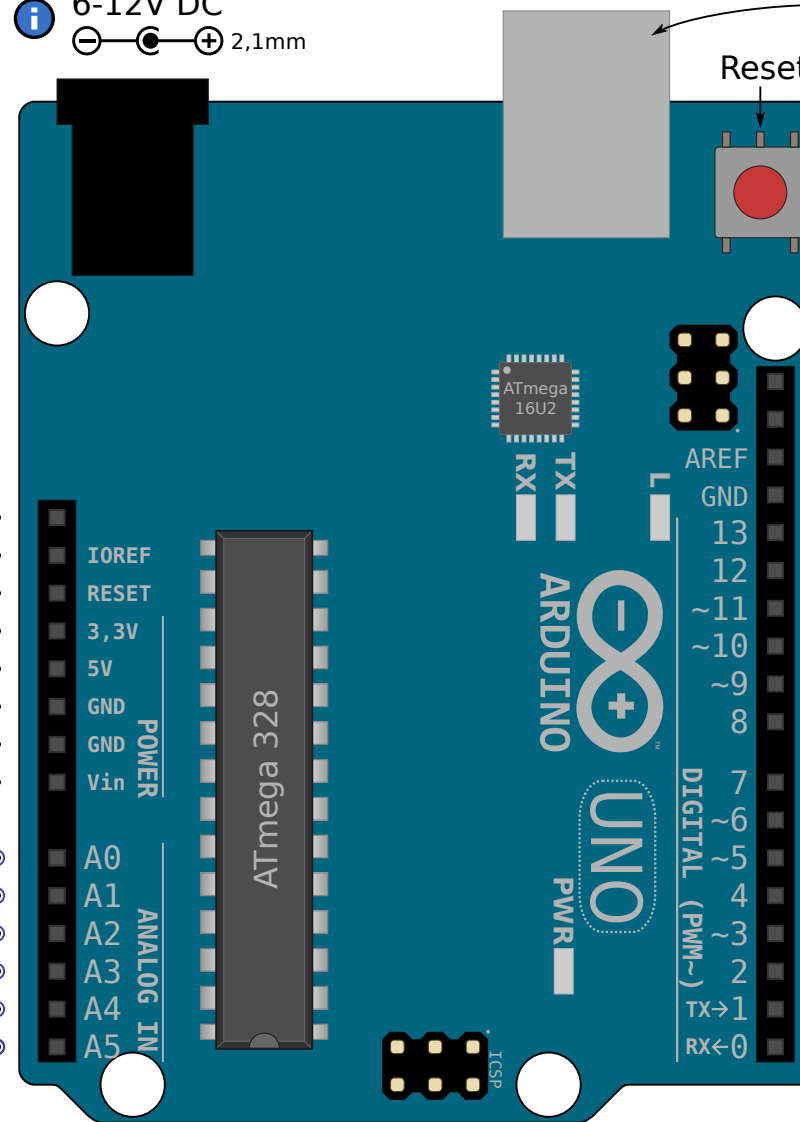


ARDUINO UNO - PINOUT GUIDE

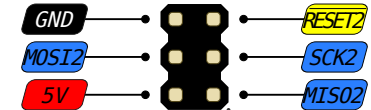
10	Physical Pin
PA0	Port Pin
10 A1	IDE Pin
VCC	Power
GND	Ground
PCINT10	Pin Change Interrupt
INT0	External Interrupt
	PWM-capable Pin
OC0A	Timer Output (PWM)
AIN1	Analog Comparator
ADC1	ADC Channel
CLK0	Clock or Timing Pin
MISO	Serial I/O
TXD	UART
SDA	I²C
RESET	Control

6-12V DC
2,1mm



USB Type B Jack

ICSP Header for the ATmega 16U2, not the main ATmega 328



28	PC5	19	A5	PCINT13	ADC5	SCL
27	PC4	18	A4	PCINT12	ADC4	SDA
21	AREF					
	GND					
19	PB5	13		PCINT5	SCK	L
18	PB4	12		PCINT4	MISO	
17	PB3	11		PCINT3	OC2A	MOSI
16	PB2	10		PCINT2	OC1B	SS
15	PB1	9		PCINT1	OC1A	
14	PB0	8		PCINT0	CLK0	ICP1
13	PD7	7		PCINT23	AIN1	
12	PD6	6		PCINT22	OC0A	AIN0
11	PD5	5		PCINT21	OC0B	TI
6	PD4	4		PCINT20	T0	XCK
5	PD3	3		PCINT19	INT1	OC2B
4	PD2	2		PCINT18	INT0	
3	PD1	1		PCINT17	TXD	TX
2	PD0	0		PCINT16	RXD	RX

Pins PD0 and PD1 are internally connected to the ATmega 16U2 for programming and Serial to USB Conversion

Total current per port group
max 100mA

Absolute max 200mA
for entire board
Absolute max 40mA
per pin, recommended 20mA

