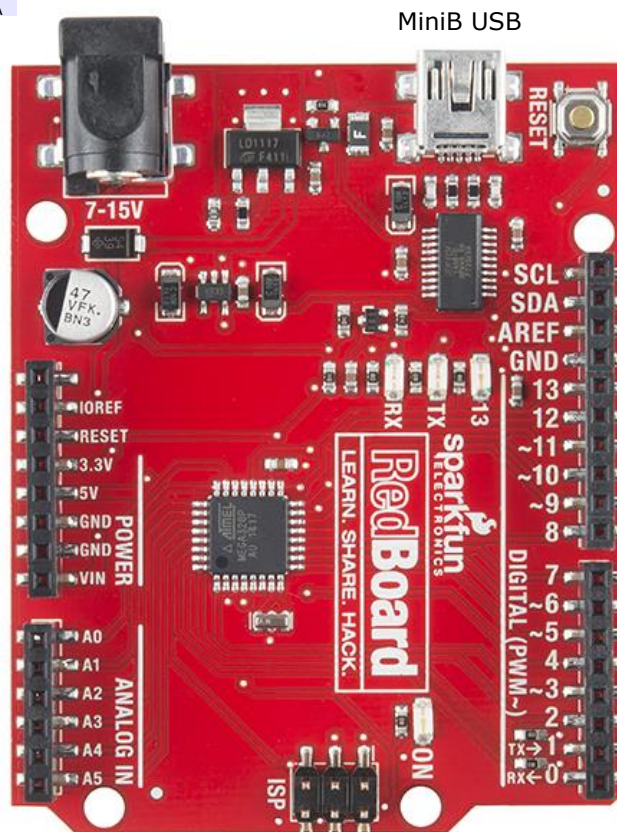


# Redboard (Dev-12757)

Programmed with Arduino (Uno)

16MHz

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



NC	
IOREF	IOREF
Reset	RST
3.3V	3.3V
5V	5V
GND	GND
GND	GND
Vin	Vin

	PCINT8	ADC0	PC0	A0/D14	A0
	PCINT9	ADC1	PC1	A1/D15	A1
	PCINT10	ADC2	PC2	A2/D16	A2
	PCINT11	ADC3	PC3	A3/D17	A3
PCINT12	SDA	ADC4	PC4	A4/D18	A4
PCINT13	SCL	ADC5	PC5	A5/D19	A5

SCL	A5/D19	PC5	ADC5	SCL	PCINT13
SDA	A4/D18	PC4	ADC4	SDA	PCINT12
AREF	AREF				
GND	GND				
13	D13	PB5	SCK	PCINT5	LED
12	D12	PB4	MISO	PCINT4	
11	D11	PB3	8-bit	MOSI	PCINT3 OC2A
10	D10	PB2	8-bit	SS	PCINT2 OC1B
9	D9	PB1	8-bit	PCINT1	OC1A
8	D8	PB0	PCINT0	ICP1	CLKO
7	D7	PD7	PCINT23	IN1	
6	D6	PD6	8-bit	PCINT22	OC0A AIN0
5	D5	PD5	8-bit	PCINT21	OC0B T1
4	D4	PD4	PCINT20	T0	XCK
3	D3	PD3	8-bit	INT1	PCINT19 OC2B
2	D2	PD2	INT0	PCINT18	
TX0->1	D1	PD1	TXD	PCINT17	
RX<-0	D0	PD0	RXD	PCINT16	

## Power

VIN: 7V-15V

VCC: 5V

Maximum current: 800mA on 5V line

150mA on 3.3V line

## ATmega328

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 2kB

ADC: 10-bit

PWM: 8bit

## LEDs

Power: Green

User (D13): Blue

RX: Yellow

TX: Red

