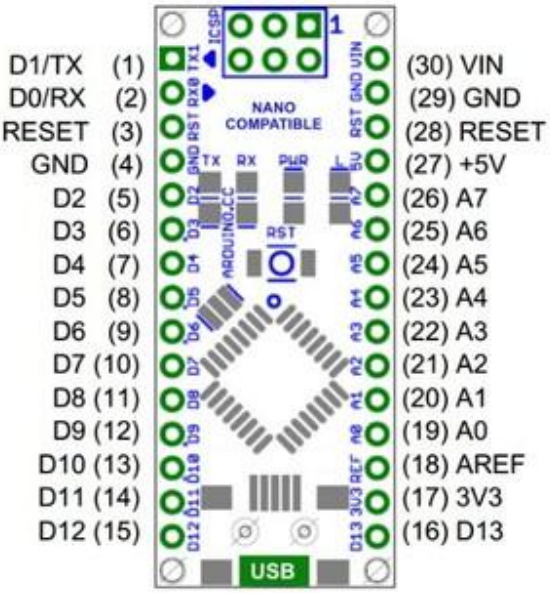
ARDUINO NANO(CH340)



Arduino-Nano

Interrupt	COM	PWM	Arduino	AVR pin		AVR pin	Arduino	Other	COM
	RXD		D0	PD0			VIN		
	TXD		D1	PD1		GND	GND		
			Reset	PC6		PC6	Reset		
			GND	GND			5V		
INT0			D2	PD2		ADC7	A7		
INT1		Timer2B	D3	PD3		ADC6	A6		
			D4	PD4		PC5 (ADC5)	A5		SCL
		Timer0B	D5	PD5		PC4 (ADC4)	A4		SDA
		Timer0A	D6	PD6		PC3 (ADC3)	A3		
			D7	PD7		PC2 (ADC2)	A2		
			D8	PB0		PC1 (ADC1)	A1		
		Timer1A	D9	PB1		PC0 (ADC0)	A0		
	SS	Timer1B	D10	PB2		AREF	AREF		
	MOSI	Timer2A	D11	PB3			3V3		
	MISO		D12	PB4		PB5	D13	LED	SCK

A

The Arduino Nano is a small, complete, and breadboard-friendly board based on the ATmega328 . It has more or less the same functionality of the Arduino Duemilanove, but in a different package. It lacks only a DC power jack, and works with a Mini-B USB cable instead of a standard one.

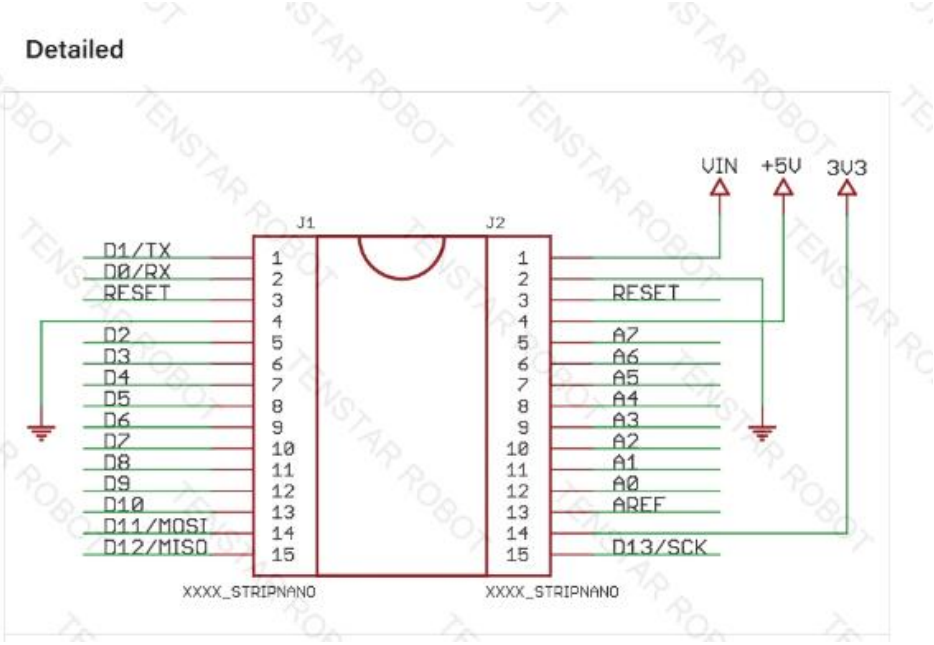
Features of Arduino Nano CH340 USB :

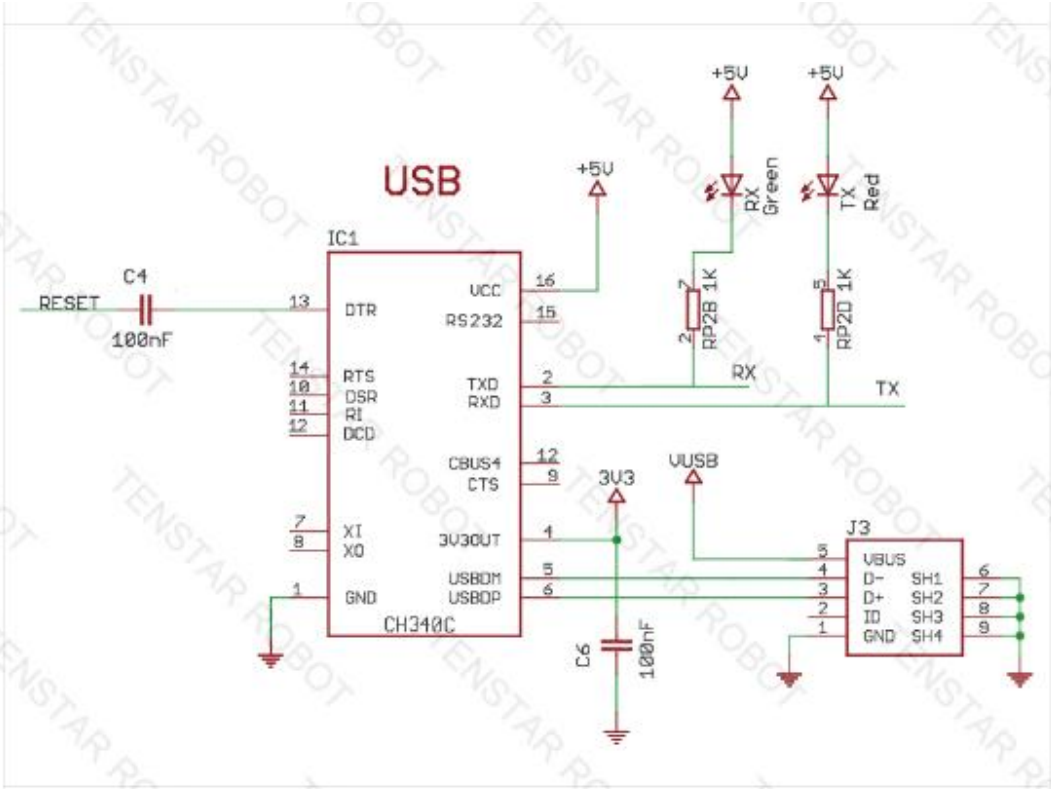
Microcontroller : Atmel ATmega168 or ATmega328.
USB to Serial controller : CH340
Operating Voltage (logic level) : 5 V.
Input Voltage (recommended) : 7-12 V.
Digital I/O Pins : 14 (of which 6 provide PWM output).

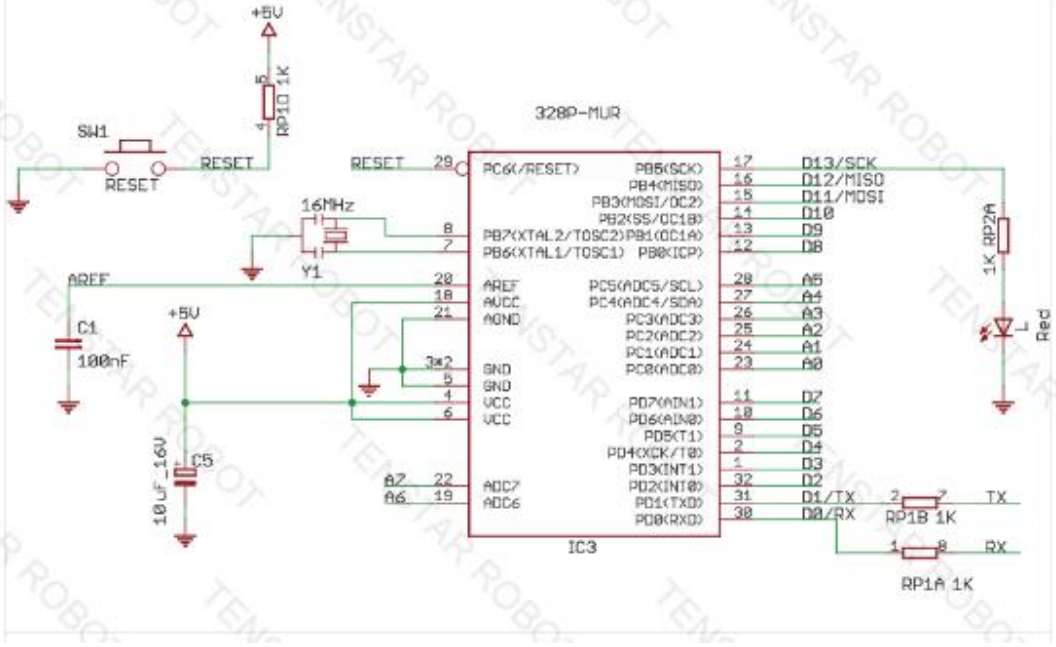
Analog Input Pins : 8.
DC Current per I/O Pin : 40 mA.
Flash Memory : 16 KB (ATmega168) or 32 KB (ATmega328) of which 2 KB used by boot loader.
SRAM : 1 KB (ATmega168) or 2 KB (ATmega328).
EEPROM : 512 bytes (ATmega168) or 1 KB (ATmega328).

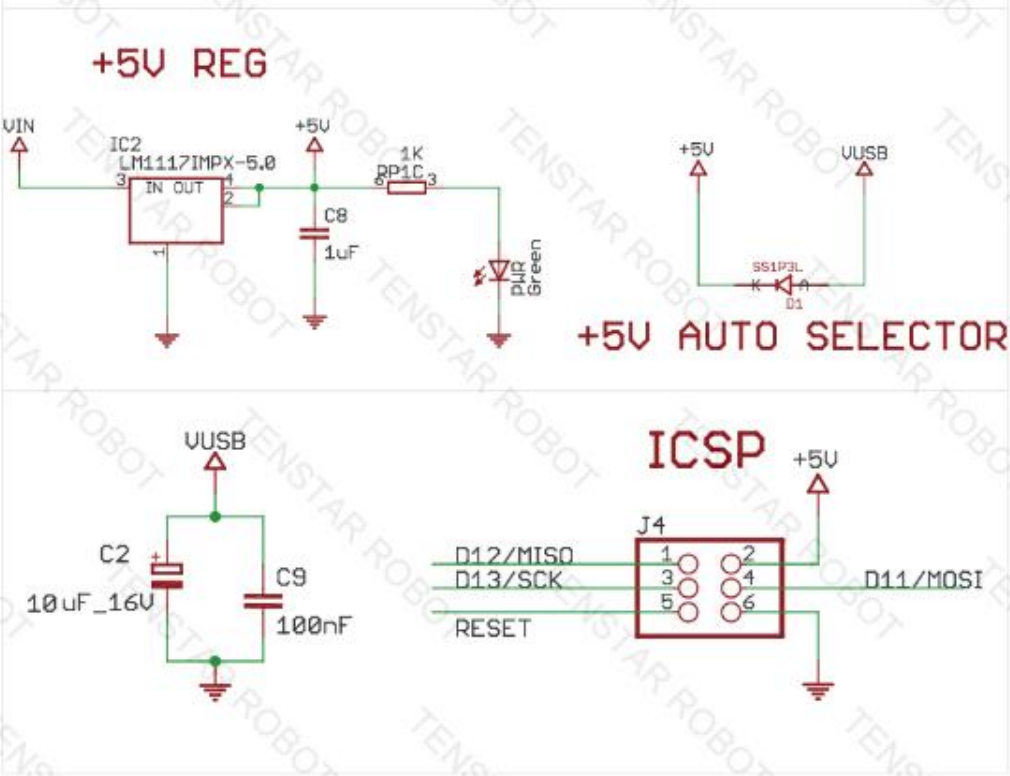
Clock Speed : 16 MHz.
Dimensions : 0.73" x 1.70". Length : 45 mm. Width : 18 mm. Weigth : 5 g.

[CH340 DRIVER DOWNLOAD]




USB
IC1
CH340C
DTR
RTS
DSR
RI
DCD
XI
XO
GND
VCC
RS232
TXD
RXD
CBUS4
CTS
3V3OUT
USBDM
USBDP
C4
100nF
RESET
C6
100nF
+5V
3V3
VUSB
RX
Green
TX
Red
RP2B 1K
RP2D 1K
J3
VBUS
D-
D+
ID
GND
SH1
SH2
SH3
SH4


328P-MUR
IC3
SW1
RESET
RP1D 1K
16MHz
Y1
AREF
C1
100nF
C5
10uF_16V
PC6(/RESET)
PB7(XTAL2/TOSC2)
PB6(XTAL1/TOSC1)
PB5(SCK)
PB4(MISO)
PB3(MOSI/OC2)
PB2(SS/OC1B)
PB1(OC1A)
PB0(ICP)
PC5(ADC5/SCL)
PC4(ADC4/SDA)
PC3(ADC3)
PC2(ADC2)
PC1(ADC1)
PC0(ADC0)
PD7(AIN1)
PD6(AIN0)
PD5(T1)
PD4(XCK/T0)
PD3(INT1)
PD2(INT0)
PD1(TXD)
PD0(RXD)
ADC7
ADC6
D13/SCK
D12/MISO
D11/MOSI
D10
D9
D8
A5
A4
A3
A2
A1
A0
D7
D6
D5
D4
D3
D2
D1/TX
D0/RX
RP2A
1K
L
Red
RP1B 1K
RP1A 1K
TX
RX



TECH SPECS:

Microcontroller: AT mega328 / USB Chip: CH340C / Architecture: AVR / Operating Voltage: 5 V / Flash Memory: 32 KB of which 2 KB used by bootloader / SRAM: 2 KB / Clock Speed: 16 MHz / Analog IN Pins: 8 / EEPROM: 1 KB / input Voltage: 7-12 V / Digital I/O Pins: 22 (6 of which are PWM) / PWM Output: 6 / PCB Size: 18 X 45mm.

Technical parameters:

1. 20 digital input/output port RX and TX, D2 ~ D13, A0 ~ A5 & 2. 8 analog input port A0 ~ A7 & 3. 1 to the TTL level a serial port to send and receive port RX/TX & 4. 6 PWM port, D3, D5, D6, D9, D10, D11 & 5. Chip: ATMEGA168P (Red board) / ATMEGA328P (Blue,Black board) & 6. Support serial download and ISP download & 7. Support external 3.3V ~ 10V dc power supply & 8. Support the Li-ion polymer batteries while direct connect Vcc Pin & 9. 16 MHZ clock frequency