GroundStudio Jade NANO
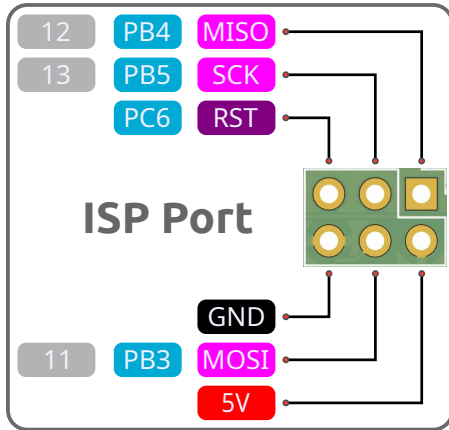
ATMEGA328P based development board with **32kBytes** of In-System Self-Programmable **Flash** program memory, **1kBytes** EEPROM, 2kBytes Internal **SRAM**, 6 PWM Channels, **20 Digital Pins** and 8 channel 10 bit **ADC Pins**

FABRICAT ÎN **ROMÂNIA**

ISP Port

12	PB4	MISO
13	PB5	SCK
	PC6	RST

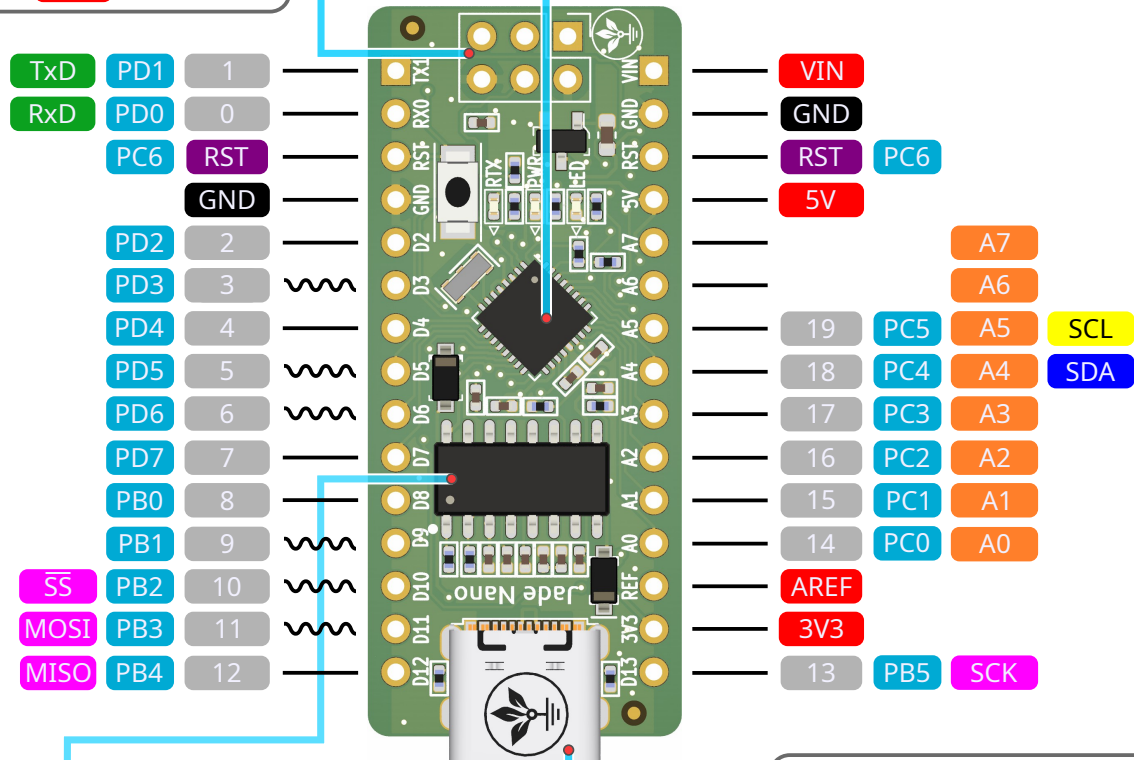| | GND |
| 11 | PB3 | MOSI |
| | 5V |

ATMEGA328P

Widely popular ATmega328P is a high-performance 8-Bit microcontroller with advanced RISC architecture

COLOR DIAGRAM

- Digital Pin Number
- uController Pin
- ADC Channel
- SCL
- SDA
- SPI
- USART Pins
- Ground
- Power
- Others
- PWM Enabled Pin

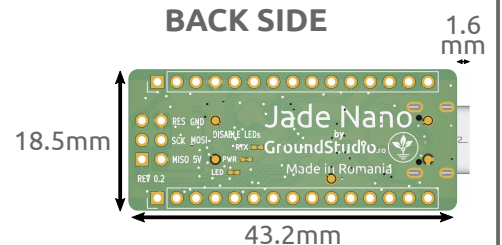| Left pins			Right pins		
TxD	PD1	1	VIN		
RxD	PD0	0	GND		
PC6	RST		RST	PC6	
GND			5V		
PD2	2		A7		
PD3	3		A6		
PD4	4		19	PC5	A5	SCL
PD5	5		18	PC4	A4	SDA
PD6	6		17	PC3	A3
PD7	7		16	PC2	A2
PB0	8		15	PC1	A1
PB1	9		14	PC0	A0
SS	PB2	10	AREF		
MOSI	PB3	11	3V3		
MISO	PB4	12	13	PB5	SCK

USB DRIVER

HT42B534 with built-in 12MHz clock generator . Implements Human Interface Device (HID) protocol for user configure USB VID, PID and device description strings

USB C

USB 2.0 **type C** for double-sided connection

BACK SIDE

Jade Nano by GroundStudio
Made in Romania

18.5mm
43.2mm
1.6 mm