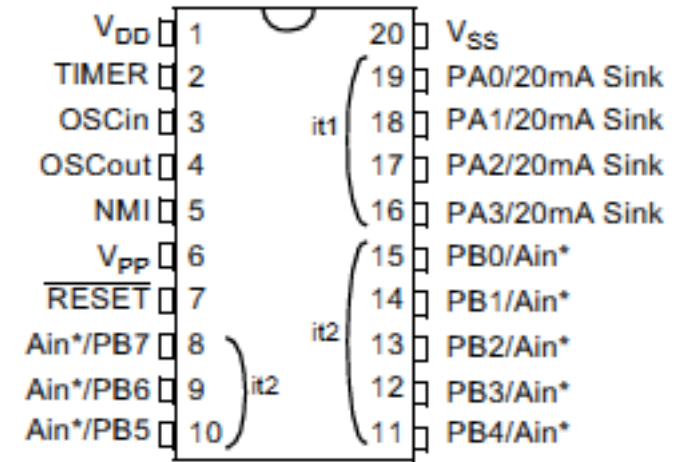


Pin n°	Pin Name	Type	Main Function (after Reset)	Alternate Function
1	V <sub>DD</sub>	S	Main power supply	
2	TIMER	I/O	Timer input or output	
3	OSCIn	I	External clock input or resonator oscillator inverter input	
4	OSCCout	O	Resonator oscillator inverter output or resistor input for RC oscillator	
5	NMI	I	Non maskable interrupt (falling edge sensitive)	
6	V <sub>PP</sub>		Must be held at V <sub>SS</sub> for normal operation, if a 12.5V level is applied to the pin during the reset phase, the device enters EPROM programming mode.	
7	RESET	I/O	Top priority non maskable interrupt (active low)	
8	PB7/Ain*	I/O	Pin B7 (IPU) - 24c04 P6	Analog input
9	PB6/Ain*	I/O	Pin B6 (IPU) - 24c04 P5	Analog input
10	PB5/Ain*	I/O	Pin B5 (IPU) - LM358	Analog input
11	PB4/Ain*	I/O	Pin B4 (IPU) Relay 2	Analog input
12	PB3/Ain*	I/O	Pin B3 (IPU) Relay 1	Analog input
13	PB2/Ain*	I/O	Pin B2 (IPU) - Light on/off	Analog input
14	PB1/Ain*	I/O	Pin B1 (IPU) - RF data	Analog input
15	PB0/Ain*	I/O	Pin B0 (IPU) Learn-Button	Analog input
16	PA3/ 20mA Sink	I/O	Pin A3 (IPU) - IR	
17	PA2/ 20mA Sink	I/O	Pin A2 (IPU) Close detection	
18	PA1/ 20mA Sink	I/O	Pin A1 (IPU) Open detection	
19	PA0/ 20mA Sink	I/O	Pin A0 (IPU) Toogle-Button	
20	V <sub>SS</sub>	S	Ground	

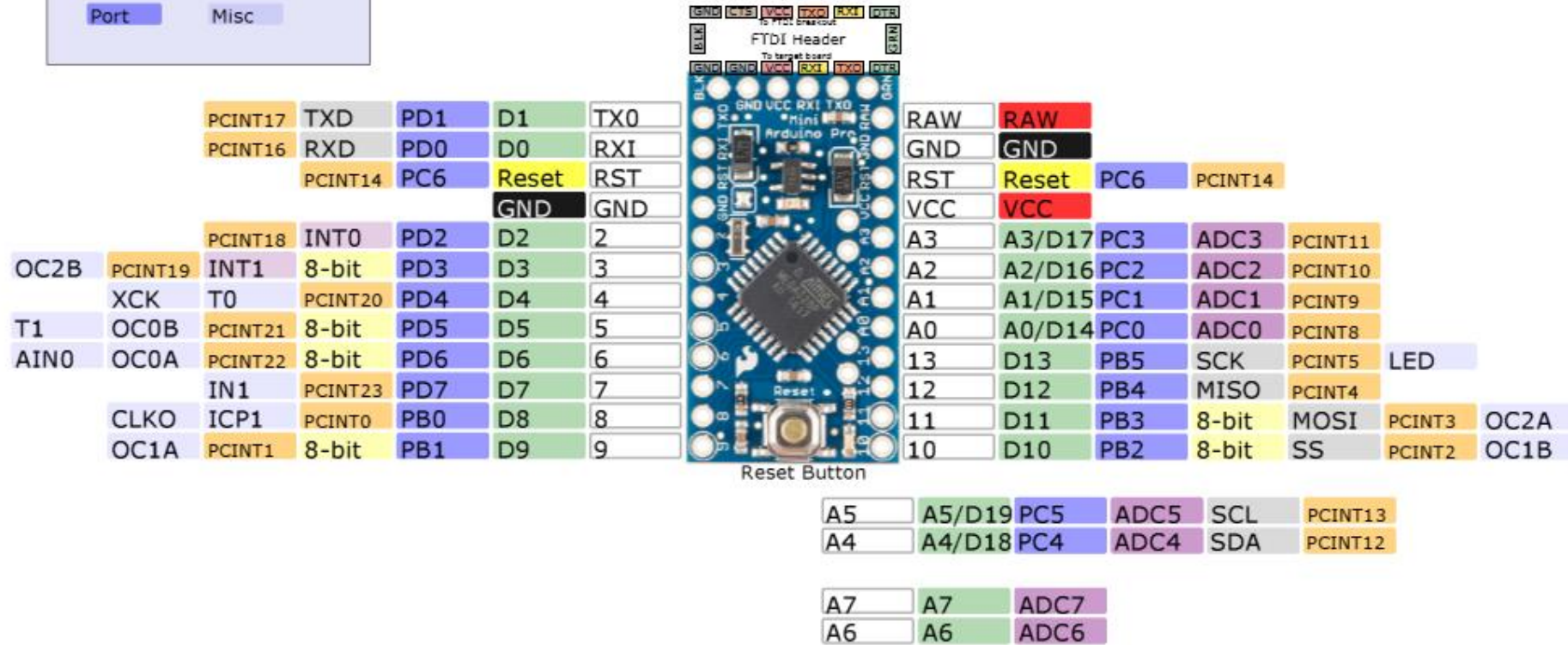


Function	Pin
Config Button	3
LED	4
Relay 1	5
Relay 2	6
Key Start	7
HM Open	8
HM Close	9
Reset	14
Key Opened	15
Key Closed	16
Key Learn	17

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

# Arduino Pro Mini (DEV-11114)

Programmed as Arduino Pro Mini w/ ATmega328  
8MHz / 3.3V



A5	A5/D19	PC5	ADC5	SCL	PCINT13
A4	A4/D18	PC4	ADC4	SDA	PCINT12

A7	A7	ADC7
A6	A6	ADC6

Power  
Raw: 3.3V-16V (4V-12V recommended)  
VCC: 3.3V  
Maximum current: 150mA @3.3V

ATmega328P  
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: Red  
User (D13): Green

