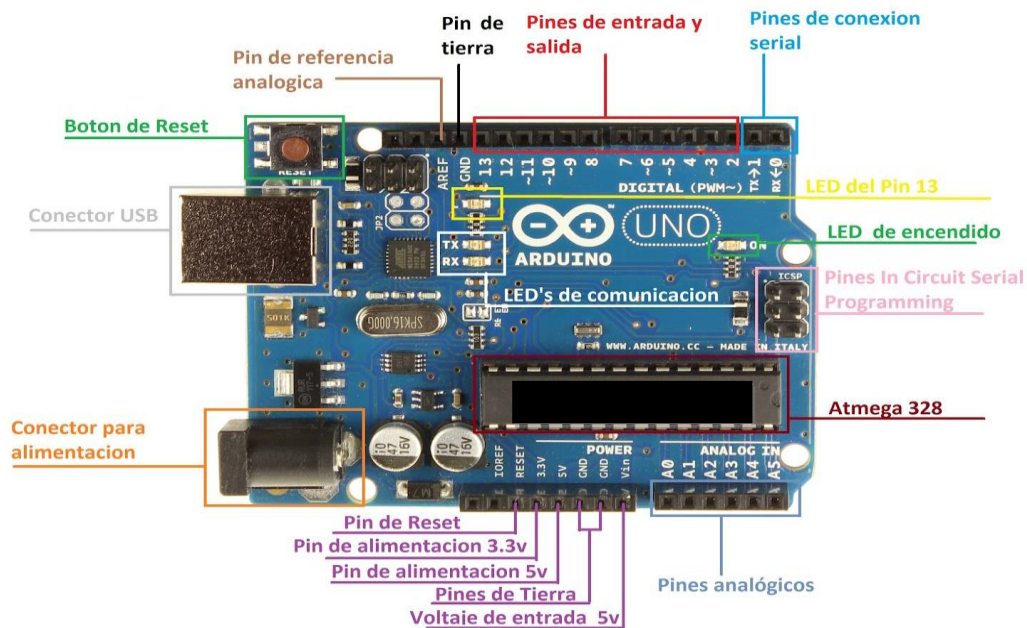


ARDUINO UNO Rev 3



Summary

Microcontroller	ATmega328
Operating Voltage	5V
Input Voltage (recommended)	7-12V (9 V is recommended)
Input Voltage (limits)	6-20V
Digital I/O Pins	14 (of which 6 provide PWM output)
Analog Input Pins	6 (reading from 0 (0V) to 1023 (5V))
DC Current per I/O Pin	40 mA
DC Current for 3.3V Pin	50 mA
Flash Memory	32 KB (ATmega328)
SRAM	2 KB (ATmega328)
EEPROM	1 KB (ATmega328)
Clock Speed	16 MHz

Power supply

USB, power jack center-positive, V_{in} , GND.

The internal circuitry is designed to switch from USB to external if the external supply exceeds 6.6V.

Maximum ratings

The **IO** pins have an absolute maximum rating of **40 mA per pin**.

The following **groups** of pins should not have more than **100 mA** drawn from them (each group):

- Digital pins 0 to 4
- Digital pins 5 to 13
- Analog pins A0 to A5

The **entire processor chip** has a maximum rating of **200 mA** current consumption.

Async serial

The Rx pin is "inwards", that is from host computer to Arduino, and the Tx pin is "outwards", that is from the Arduino to another device.

USB Overcurrent Protector

If more than **500 mA** is applied to the USB port, the fuse will automatically break the connection.