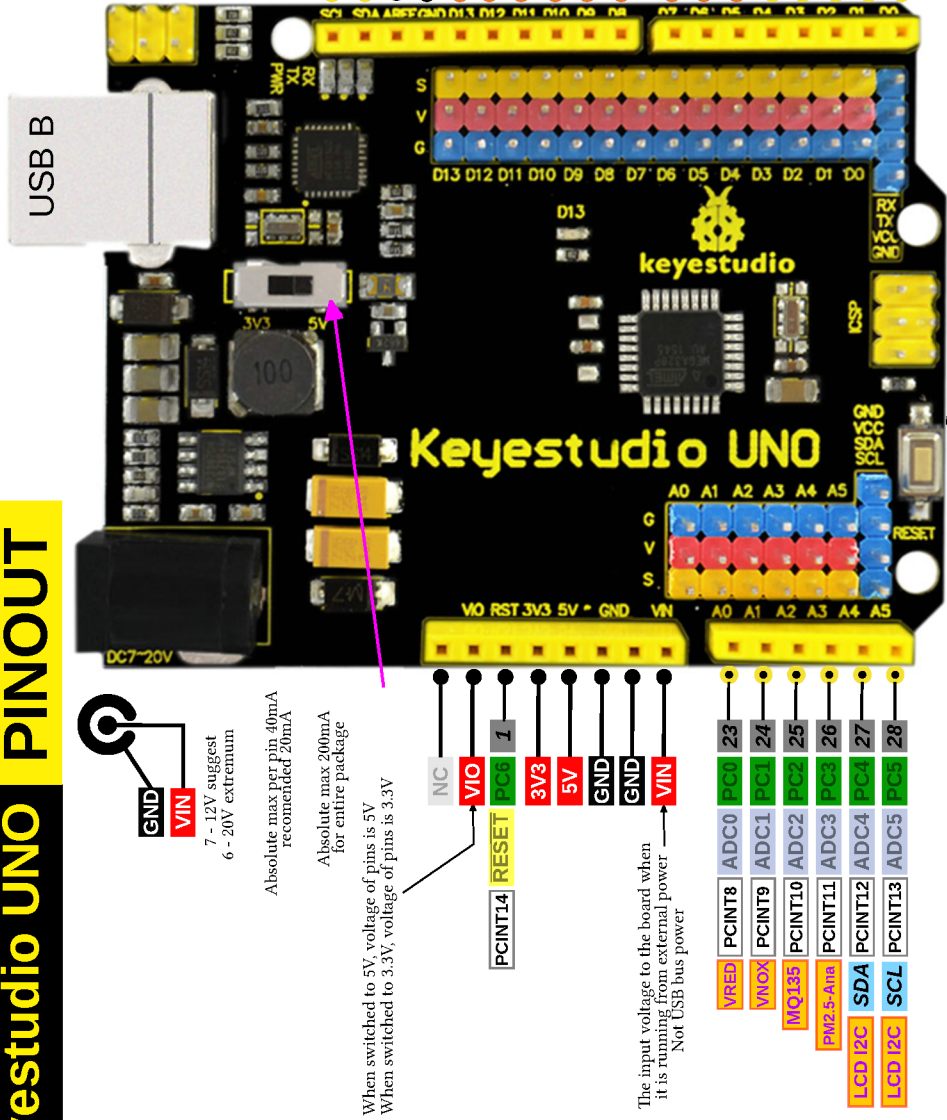


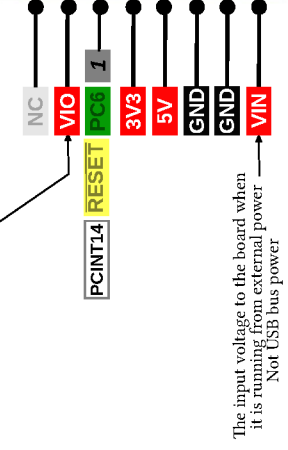
# Keyestudio UNO PINOUT



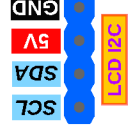
Absolute max per pin 40mA  
recommended 20mA

Absolute max 200mA  
for entire package

When switched to 5V, voltage of pins is 5V  
When switched to 3.3V, voltage of pins is 3.3V



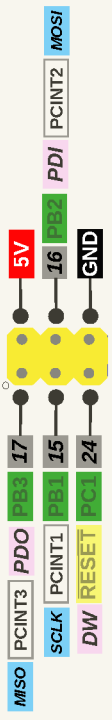
The input voltage to the board when  
it is running from external power  
Not USB bus power



**SDA (Datos) y SCL (Clock). Conector I2C, IC o TWI (Two Wire Interface)**

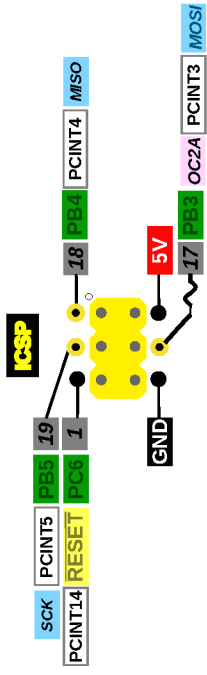
- THR Temperatura y humedad relativa DHT22 o DHT11
- PRE Precalentamiento del sensor de CO del MiCS-4514
- VRED Valor de tensión del sensor de CO del MiCS-4514
- VNOX Valor de tensión del sensor de NO2 del MiCS-4514
- MQ135 Lectura analógica del sensor de calidad del aire MQ-135
- PM2.5-Air Lectura analógica del sensor de partículas KS0196 PM2.5 Shield
- PM2.5-LED LED de control del sensor de partículas KS0196 PM2.5 Shield
- RTC-CLK Real Time Clock, pin CLK
- RTC-DAT Real Time Clock, pin DAT
- RTC-RST Real Time Clock, pin RST
- SD-SCK SD Card, pin SCK
- SD-MISO SD Card, pin MISO
- SD-MOSI SD Card, pin MOSI
- SD-CS SD Card, pin CS

## ATMEGA 82U/16U2 ICSP



- Power
- GND
- Serial Pin
- Analog Pin
- Pin Change Interrupt
- Control
- Physical Pin
- Port Pin
- Pin function
- Interrupt Pin
- PWM Pin
- Port Power
- EducaCont pin use

Connected to the ATmega and used for  
USB program and communicating with it



## Proyecto

# EducaCont