## Pin Change Interrupt Port Power EducaCont pin use Physical Pin Pin function Interrup Pin Analog Pin Serial Pin PDI PCINT2 MOSI PWM Pin PCINT4 MISO Port Pin Control Power GND Connected to the ATMega and used for USB program and communicating with it ATMEGA 82U/16U2 ICSP GND 10 -PCINT21 OC0B AINO PCINT22 OCOA PCINT20 XCK OC2A PCINT3 MOSI INTO PCINT19 OC2B ADC4 PCINT12 SDA CLKO PCINTO ICP1 ADC5 PCINT13 SCL INTO PCINT18 R SCK PCINT5 PCINT5 SCK AIN1 PCINT23 PCINT14 RESET PCINT4 MISO OC1A PCINT1 RXD PCINT16 TXD PCINT17 OC1B PCINT2 MISO PCINT3 PDO DW RESET SCLK PCINT1 Ľ 21 AREF SDA (Detos) y SCL (Clock). Conector I2C, IIC o TWI (Two Wire Interface) USB B Reset Button estudi . Keyestudio UNO PINOUT Absolute max per pin 40mA recomended 20mA Absolute max 200mA for entire package 7 - 12V suggest 6 - 20V extremum GND Z 2 When switched to 5V, voltage of pins is 5V When switched to $3.3\mathrm{V}$ , voltage of pins is $3.3\mathrm{V}$ N RED PCINT8 ADC0 PCINT9 ADC1 PCINT10 ADC2 PCINT11 ADC3 SDA PCINT12 ADC4 SCL PCINT13 ADC5 The input voltage to the board when it is running from external power — Not USB bus power PCINT14 RES SDA SDA ZCF

## Proyecto

Lectura analogica del sensor de particulas KS0196 PM2.5 Shield LED de control del sensor de particulas KS0196 PM2.5 Shield

Real Time Clock, pin CLK Real Time Clock, pin DAT Real Time Clock, pin RST

SD Card, pin MISO SD Card, pin MOSI SD Card, pin CS

SD Card, pin SCK

Lectura analogica del sensor de calidad del aire MQ-135

Valor de tensión del sensor de NO2 del MiCS-4514

Valor de tensión del sensor de CO del MiCS-4514

Temperatura y humedad relativa DHT22 o DHT11

Precalentamiento del sensor MiCS-4514

OC2A PCINT3 MOS

OND P



