

AVR ISP SHIELD: **ESCUDO AVR ISP**



Descripción

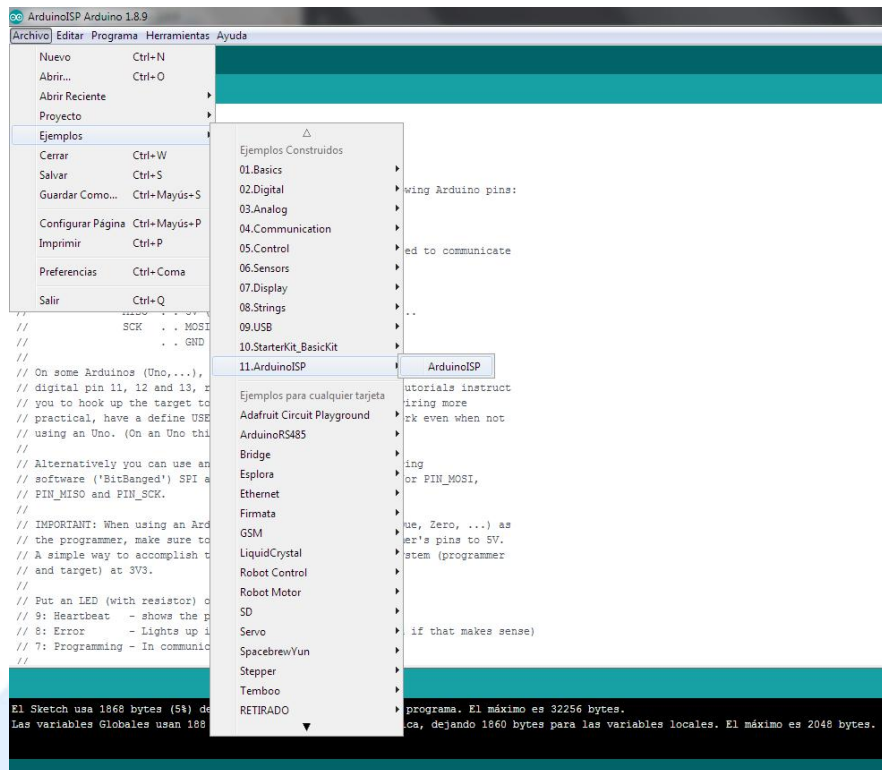
Escudo de expansión del programador que permite a la placa Arduino Uno grabar el gestor de arranque (bootloader) en un microcontrolador externo y otras placas Arduino mediante el bus ISP. Incluye LED's indicadores para confirmar si la grabación es exitosa.

Características

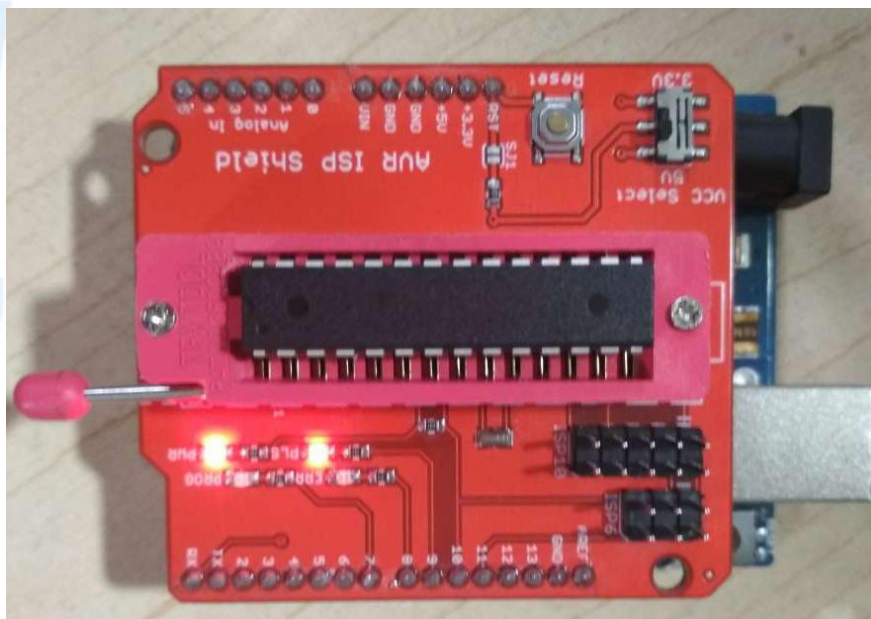
- Compatible con Arduino
- Selector de voltaje 3.3V y 5V
- Boton de reset
- LED's Indicadores
- Zocalo ZIF de 28 pines

Instrucciones de Uso

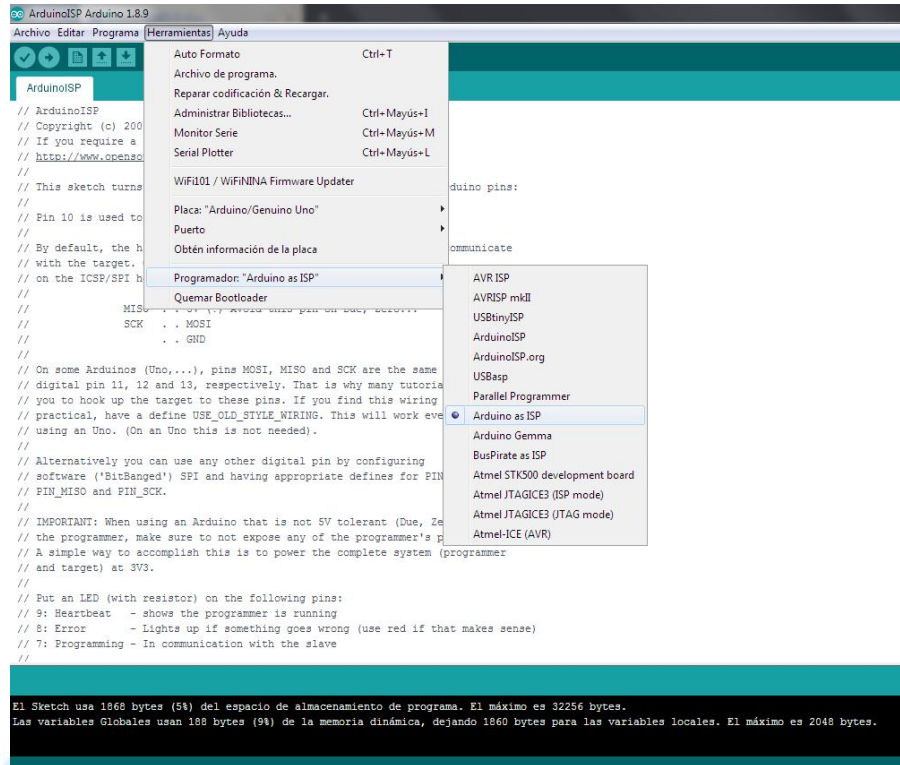
1. Cargue su Arduino Uno con el software AVR ISP contenido en el IDE de Arduino.



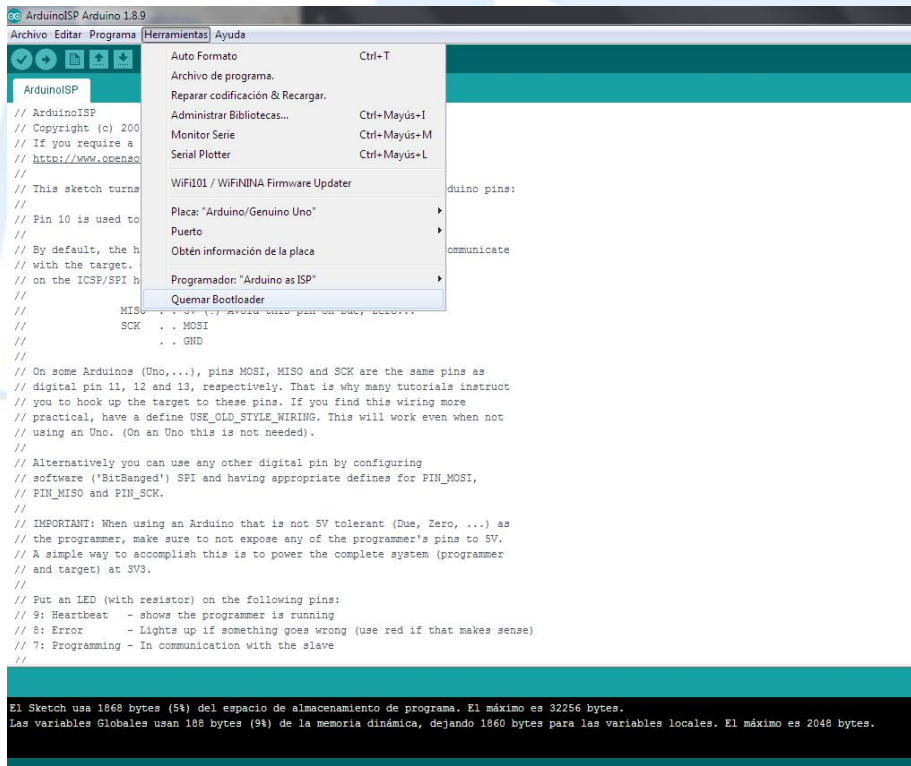
2. Inserte un ATMEGA328 u otro chip Atmel compatible en el zócalo ZIF.



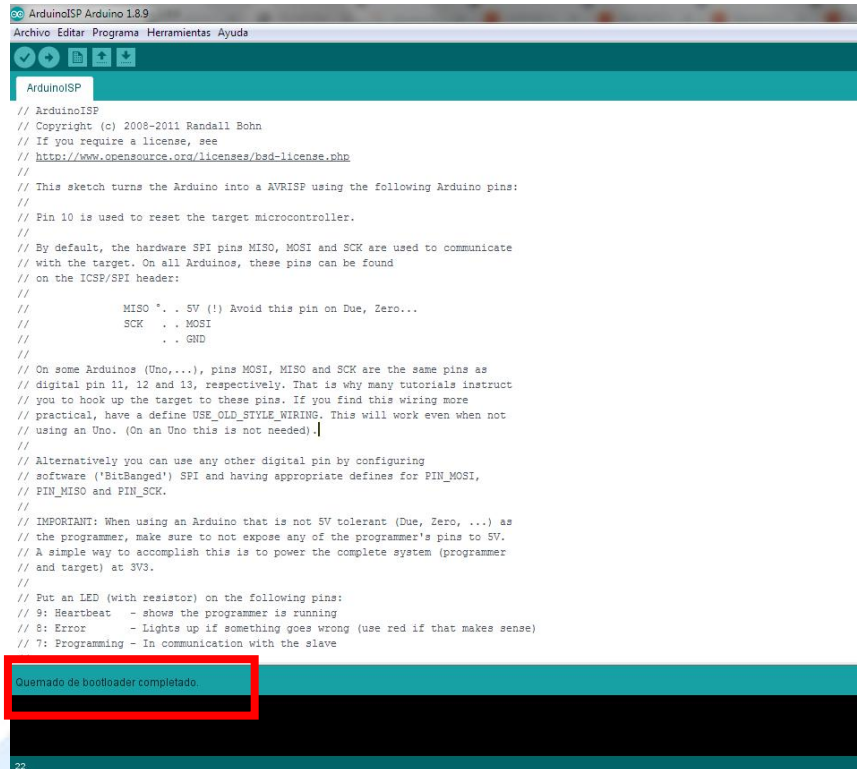
3. Configure su IDE para grabar con AVR ISP.



4. Grabe su gestor de arranque.



Aparecera un mensaje confirmando que el bootloader se cargo correctamente.



```
// ArduinoISP
// Copyright (c) 2008-2011 Randall Bohn
// If you require a license, see
// http://www.opensource.org/licenses/bsd-license.php
//
// This sketch turns the Arduino into a AVRISP using the following Arduino pins:
//
// Pin 10 is used to reset the target microcontroller.
//
// By default, the hardware SPI pins MISO, MOSI and SCK are used to communicate
// with the target. On all Arduinos, these pins can be found
// on the ICSP/SPI header:
//
// MISO * . 5V (!) Avoid this pin on Due, Zero...
// SCK . . MOSI
// . . GND
//
// On some Arduinos (Uno,...), pins MOSI, MISO and SCK are the same pins as
// digital pin 11, 12 and 13, respectively. That is why many tutorials instruct
// you to hook up the target to these pins. If you find this wiring more
// practical, have a define USE_OLD_STYLE_WIRING. This will work even when not
// using an Uno. (On an Uno this is not needed).
//
// Alternatively you can use any other digital pin by configuring
// software ('BitBanged') SPI and having appropriate defines for PIN_MOSI,
// PIN_MISO and PIN_SCK.
//
// IMPORTANT: When using an Arduino that is not 5V tolerant (Due, Zero, ...) as
// the programmer, make sure to not expose any of the programmer's pins to 5V.
// A simple way to accomplish this is to power the complete system (programmer
// and target) at 3V3.
//
// Put an LED (with resistor) on the following pins:
// 9: Heartbeat - shows the programmer is running
// 8: Error - Lights up if something goes wrong (use red if that makes sense)
// 7: Programming - In communication with the slave
```

Mas información

Tutorial ISP Arduino: <https://www.arduino.cc/en/Tutorial/ArduinoISP>

Esquemático: http://www.hobbytronics.co.uk/datasheets/AVR_ISP-Shield-v11.pdf



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TOLERANCIA: N/A	Fecha: 10/10/2019	No. Parte: AVR ISP SHIELD	