

Curso de Arduino: Fritzing

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Fritzing

- ¿Qué es Fritzing?
- ¿Qué puedo hacer con Fritzing?
- Recursos
- Pequeño vídeo de uso



Fritzing

Herramienta de diseño de
circuitos electrónicos

<http://fritzing.org/>



Software libre
(Open Source)

<https://github.com/fritzing>



Fritzing

Protoboard

Esquema

Diseño de PCB

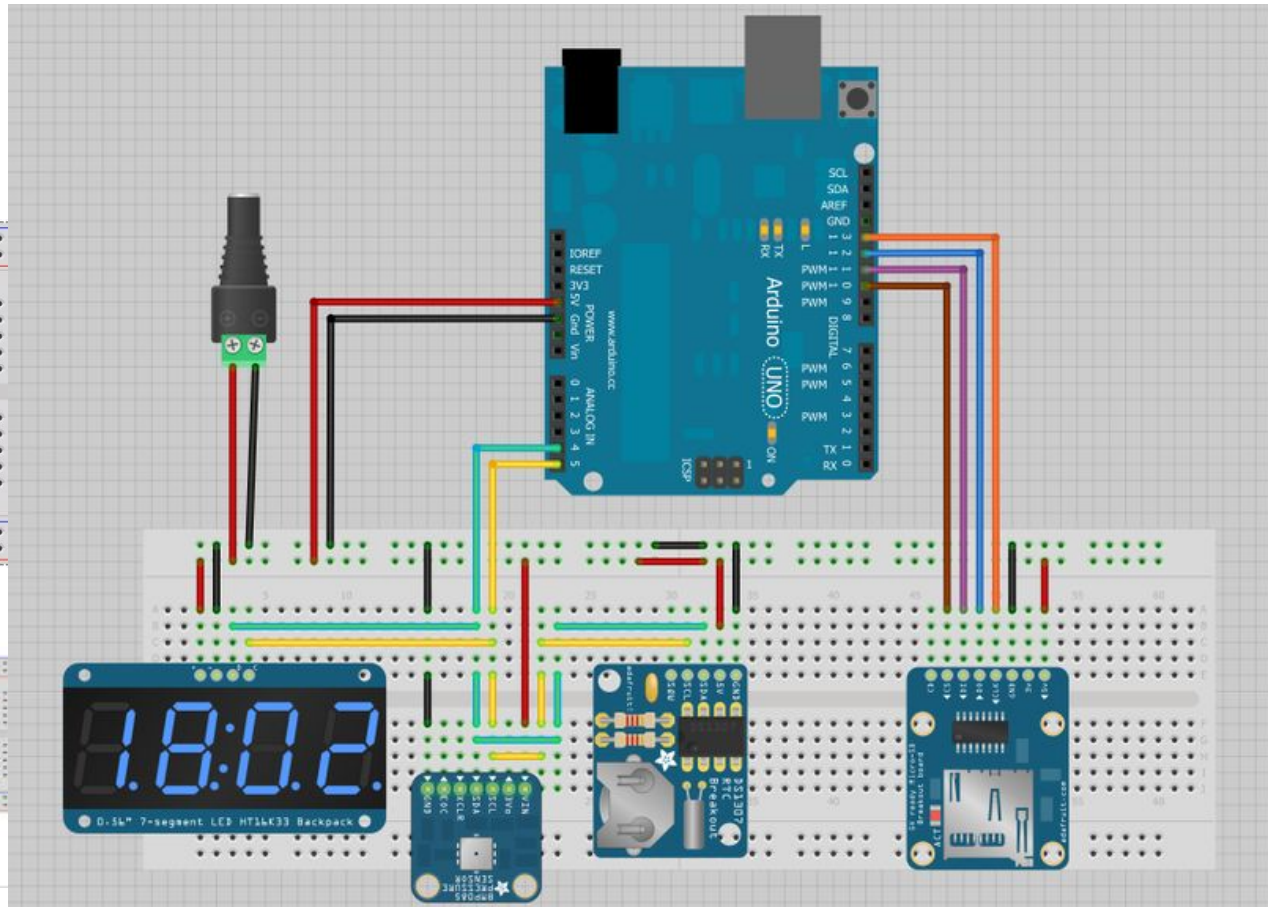
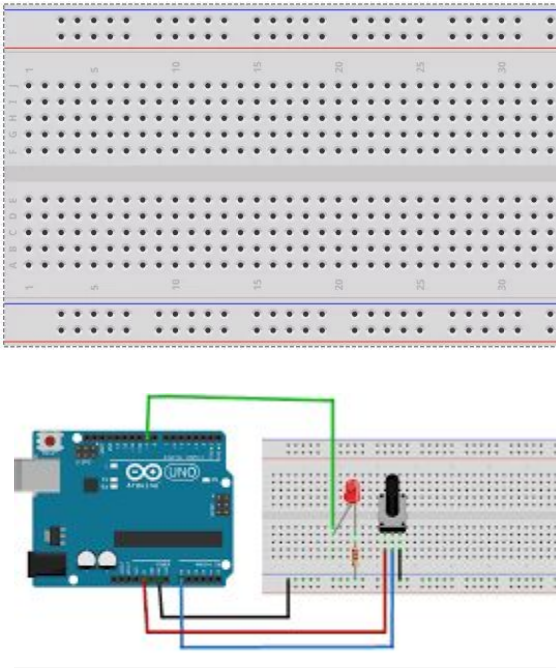
Código

¡¡NO ES UN SIMULADOR!!



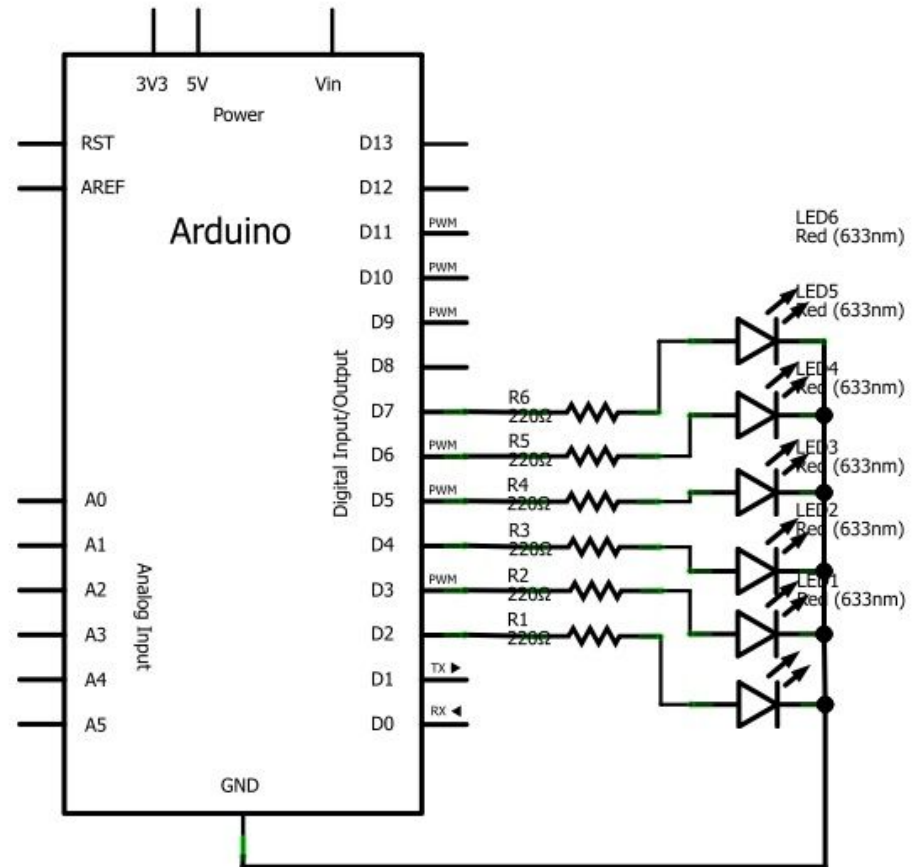
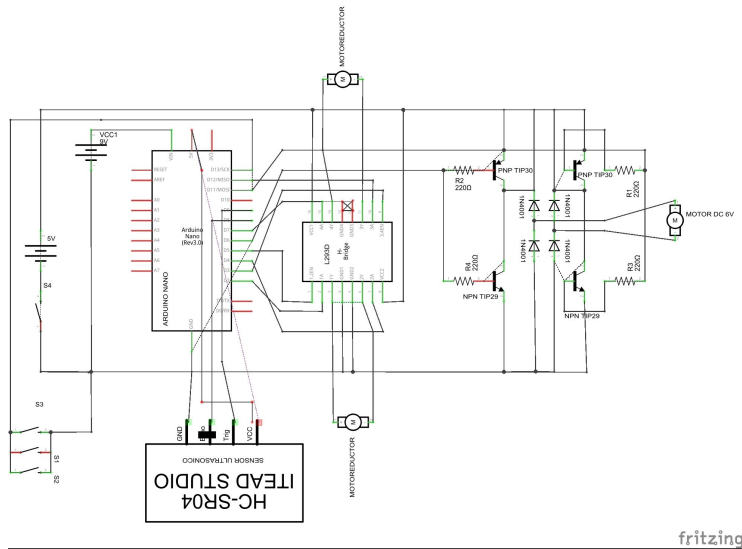
Fritzing: Protoboard

Protoboard



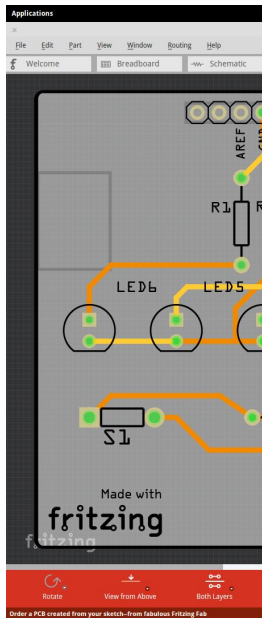
Fritzing: esquema

Esquema eléctrico



Fritzing: PCB


Diseño



Fabrica




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 AISLER START NEW PROJECT HOW TO LOGIN REGISTER

fritzing FAB

Powered by AISLER

Fritzing Fab is a service to produce professional PCBs out of your Fritzing sketches – affordable and easy.



Drop or upload your Fritzing Sketch to get started.

What is new?

Fritzing Fab is now powered by our friends at AISLER, the advanced manufacturing service. Still made in Germany, with even higher quality but more affordable and including many extra services.

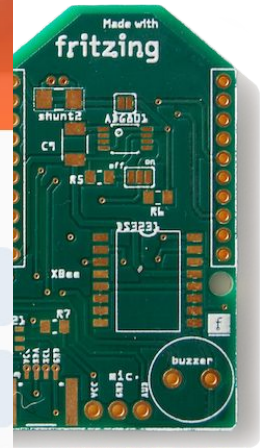
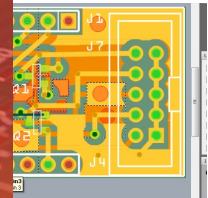
[Read the announcement on the Fritzing Blog!](#)

What about the price?

100 mm	x	100 mm	x	3	x	€0.18	€54.00
50 mm	x	50 mm	x	3	x	€0.25	€18.75

What do I get?

- a professional PCB made directly from your Fritzing

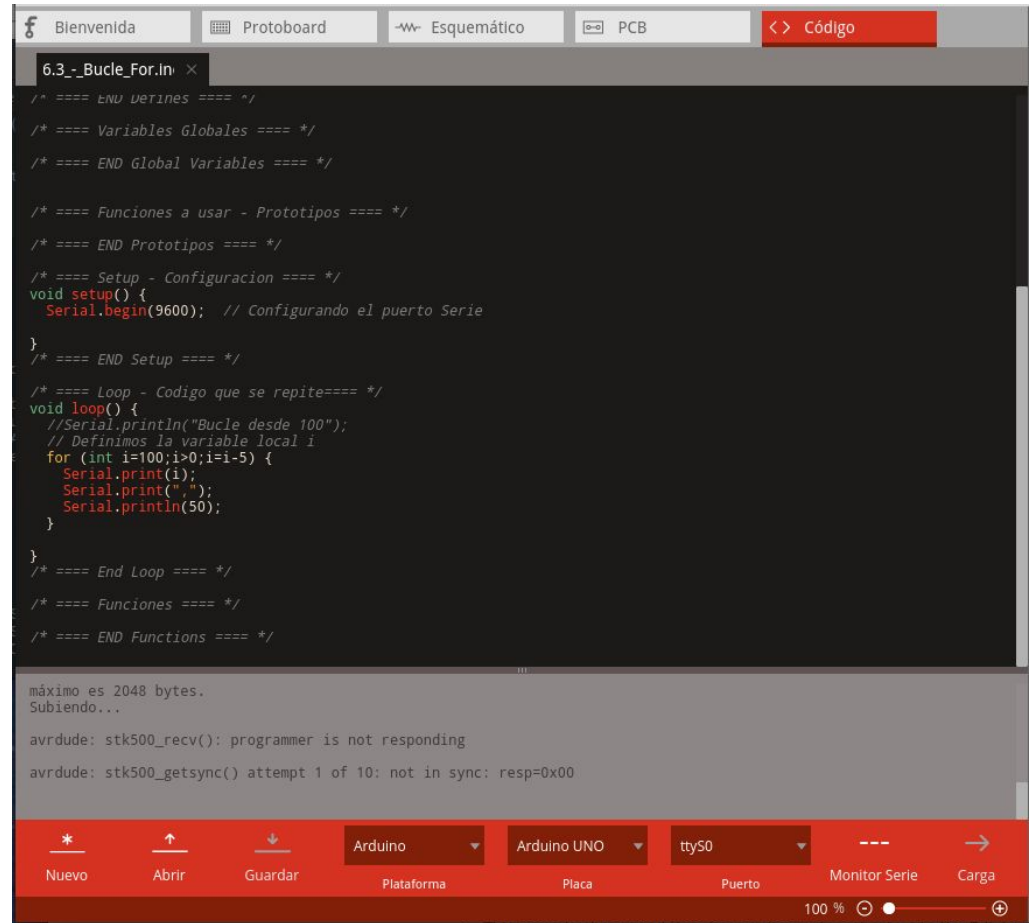


Arduino

Fritzing: código

Programación

No es un simulador
Requiere el IDE de
Arduino



The screenshot shows the Fritzing IDE interface. At the top, there are tabs for 'Bienvenida', 'Protoboard', 'Esquemático', 'PCB', and 'Código'. The 'Código' tab is active, displaying a C++ program named '6.3_-_Bucle_For.In'. The code includes comments in Spanish and defines a loop that prints values from 100 down to 50. Below the code editor, there is a status bar with the following text: 'máximo es 2048 bytes. Subiendo...', 'avrdude: stk500_rcv(): programmer is not responding', and 'avrdude: stk500_getsync() attempt 1 of 10: not in sync: resp=0x00'. At the bottom, there is a red toolbar with buttons for 'Nuevo', 'Abrir', 'Guardar', 'Plataforma' (set to 'Arduino'), 'Placa' (set to 'Arduino UNO'), 'Puerto' (set to 'ttyS0'), 'Monitor Serie', and 'Carga'.

```
/* ===== */
/* ===== Variables Globales ===== */
/* ===== END Global Variables ===== */

/* ===== Funciones a usar - Prototipos ===== */
/* ===== END Prototipos ===== */

/* ===== Setup - Configuración ===== */
void setup() {
  Serial.begin(9600); // Configurando el puerto Serie
}
/* ===== END Setup ===== */

/* ===== Loop - Código que se repite ===== */
void loop() {
  //Serial.println("Bucle desde 100");
  // Definimos la variable local i
  for (int i=100;i>0;i=i-5) {
    Serial.print(i);
    Serial.print(" ");
    Serial.println(50);
  }
}
/* ===== End Loop ===== */
/* ===== Funciones ===== */
/* ===== END Functions ===== */
```

máximo es 2048 bytes.
Subiendo...

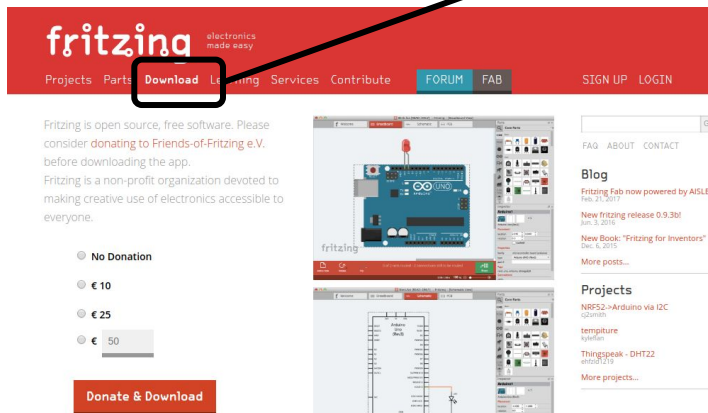
avrdude: stk500_rcv(): programmer is not responding
avrdude: stk500_getsync() attempt 1 of 10: not in sync: resp=0x00

Nuevo Abrir Guardar Plataforma Placa Puerto Monitor Serie Carga



Fritzing: Descarga

Descarga



Fritzing is open source, free software. Please consider donating to Friends-of-Fritzing e.V. before downloading the app.

Fritzing is a non-profit organization devoted to making creative use of electronics accessible to everyone.

- No Donation
- € 10
- € 25
- € 50

Donate & Download

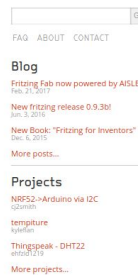
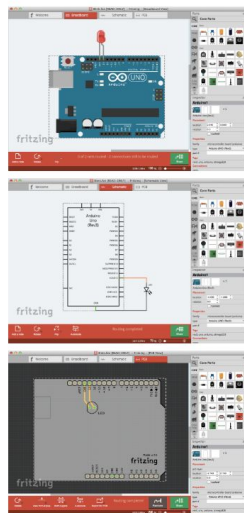
Version 0.9.3b was released on June 2, 2016.

Downloaded 2245629 times.

See [what's new](#) and the [known issues](#).

Read the [installation instructions](#) below.

This version includes translations for:
Deutsch (German), English, Español (Spanish), Français (French), Italiano (Italian), Nederlands (Dutch), Português (eu) (Portuguese EU), Português (br) (Portuguese BR), 日本語 (Japanese), 中文 (简体) (Chinese Simplified), 正體中文 (繁體) (Chinese Traditional), Русский (Russian), Čeština (Czech), 한국어 (Korean), Ελληνικά (Greek), slovenčina (Slovak), română (Romanian), Türkçe (Turkish), Български (Bulgarian), বাংলা (Bengali).



fritzing electronics made easy

Projects Parts **Download** Learning Services Contribute

FORUM FAB

SIGN UP LOGIN

Fritzing is open source, free software. Be aware that the development of it depends on the active support of the community. Select the download for your platform below.

Version 0.9.3b was released on June 2, 2016.

Windows 32 bit

Windows 64 bit

Mac OS X 10.7 and up

Linux 32 bit

Linux 64 bit

Source Github

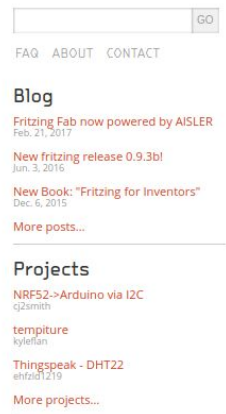
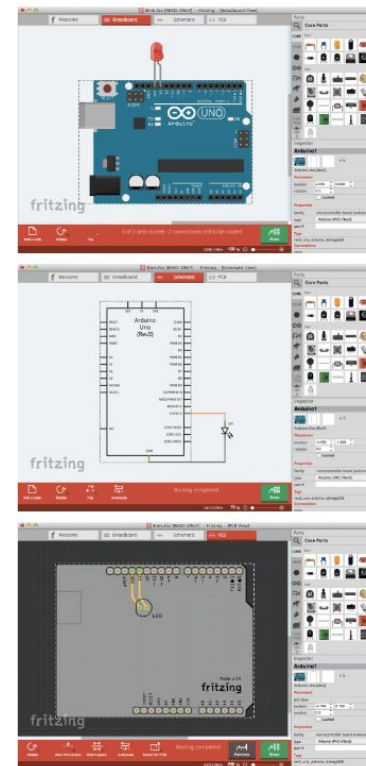
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Arduino

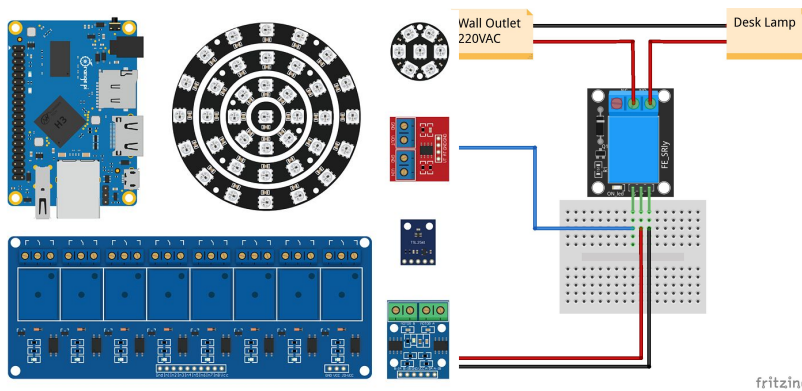
Fritzing: Buscar componentes

Sparkfun Fritzing part: https://github.com/sparkfun/Fritzing_Parts

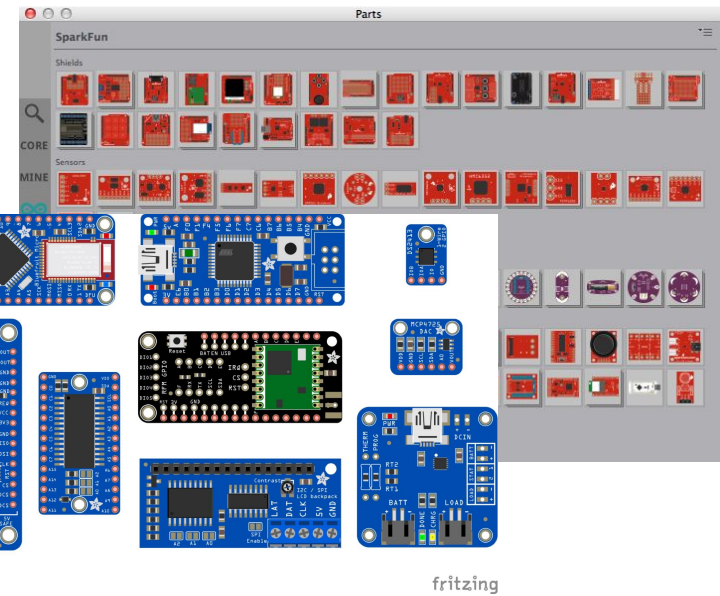
Adafruit Fritzing parts: <https://github.com/adafruit/Fritzing-Library>

<http://arduinomodules.info/>

<http://omnigatherum.ca/wp/?tag=fritzing>



fritzing



fritzing



Fritzing: aprendiendo

Comunidad online:

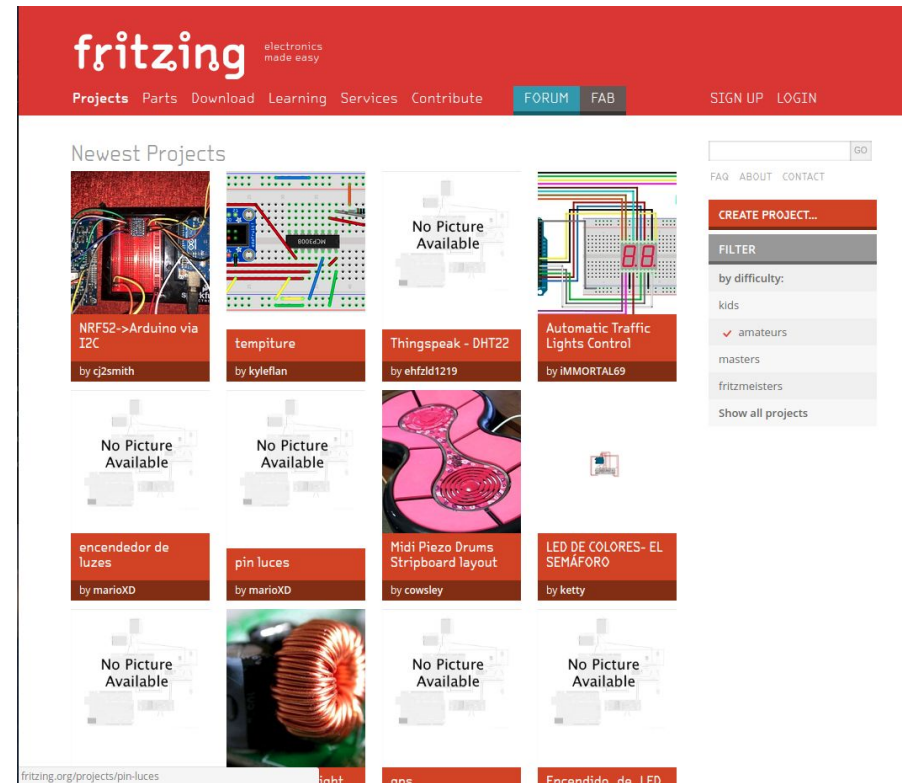
<http://forum.fritzing.org/>

Documentación:

<http://fritzing.org/learning/>

Proyectos:

<http://fritzing.org/projects/>



Fritzing

Pestañas según la actividad

Pestañas de componentes: importación

Ejemplos

Exportación

