

START UP GUIDE

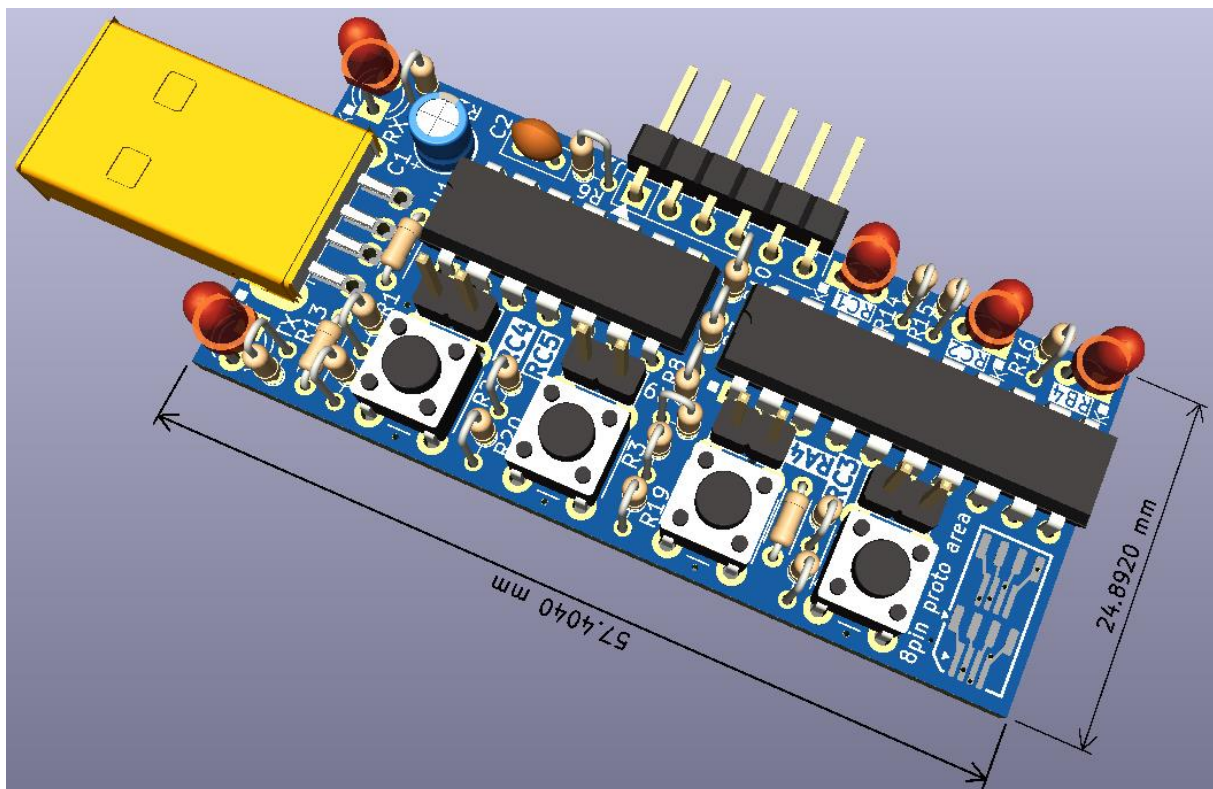
veryVerilog enables an easy way to program PICs from family **PIC16F180xy** and **PIC16F131xy** over a Web Browser without the need to install any software using a PIC as a USB HiD device.

The project is based on 3 parts:

- USB-HID PCB (hardware)
- USB-HID Hex File (firmware)
- Web Page to flash Hex files a PIC device attached to the hardware

The PCB looks like this and is based on a [PIC16F1455](#) .

The [PIC16F1455](#) needs a **custom firmware** to perform as ICSP programmer.



The IC on the left-hand side is the [PIC16F1455](#)-I/P and IC on the right-hand side is the miniFPGA ([PIC16F13145](#)-I/P) to be programmed.

Program a PIC in 4 Steps

It is that easy:

1. Insert the Hardware

Plug the miniFPGA dongle in your computer.

2. Click the Web Page

Open the Web Page: <https://microchiptech.github.io/veryVerilog>.

You will see the veryVerilog Web Page:

WEB ICSP Programmer

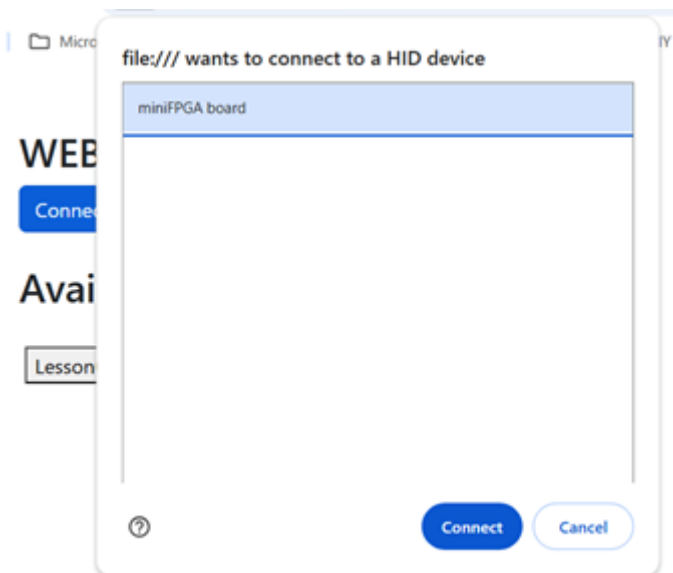
Connect to Programmer

Identify Programmer



3. Connect to Programmer

Click the button "Connect to Programmer" and select the miniFPGA device:



If you have multiple programmers connected, click "identify Programmer" and the LEDs of the connected board will blink for about 2 seconds.

The device is recognized and the Web Page displays information about the connected PIC and the identification of the program already flashed on the device (User Id)

WEB ICSP Programmer

v0.1.5

Disconnect Programmer

Identify Programmer ▾

PIC16F13145

UserId: 0001.0002.0003.0004

Drag and drop HEX file here

4. Drag and Drop

Drag a HEX file on the *"Drag and Drop"* area and the program will be transferred automatically to the PIC.

Success

PIC programmed successfully.

Close

Have fun!