PIC USB Starter Kit

User Manual

07 November, 2013

PIC USB Starter Kit

The PIC USB Starter Kit for PIC is a miniature development system that enables you to experiment with the PIC18F2550 microcontroller.

Features:

- USB support;
- 5V power supply voltage
- Pinouts easily accessible

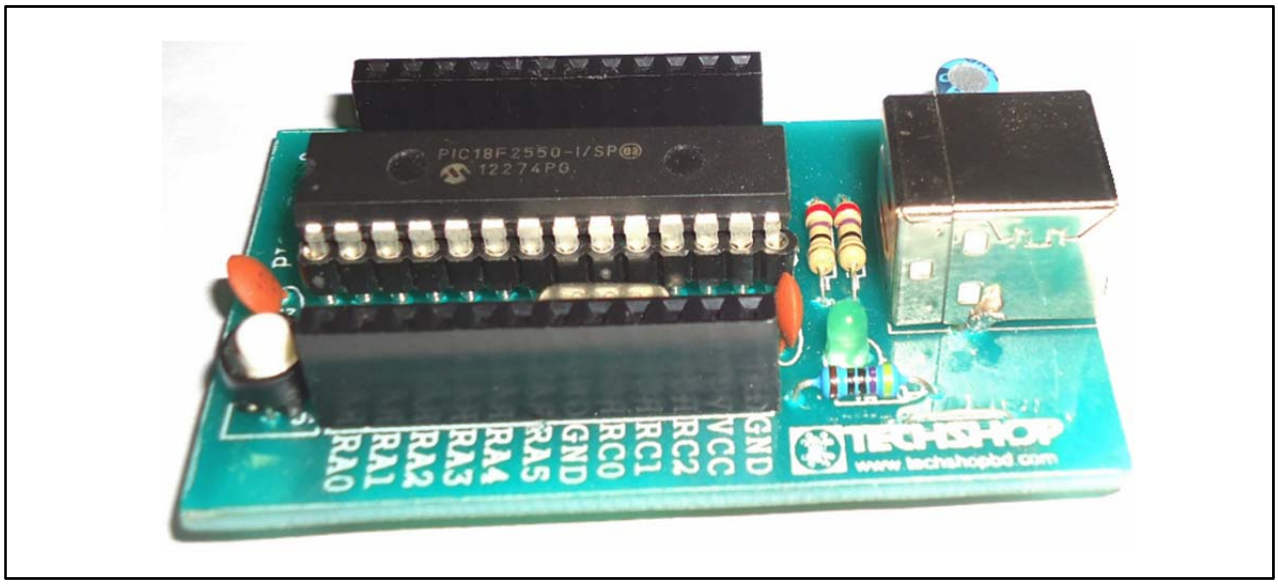


Figure 1: PIC USB Starter Kit

How to connect the PIC USB Starter Kit?

The PIC USB Starter Kit can be easily connected to a PC via a USB connector, Figure 2. The microcontroller pins can be connected to a device via 1x12 connectors. Green LED is used to indicate whether the board is turned on or off.

How to program the microcontroller?

A.hex code is loaded into the microcontroller via the bootloader program stored in the microcontroller memory. The mikroElektronika USB HID Bootloader application is used to transfer the .hex code from the PC to the microcontroller.

Follow the steps below in order to program the microcontroller properly:

STEP 1: Connect the PIC USB Starter Kit to a PC

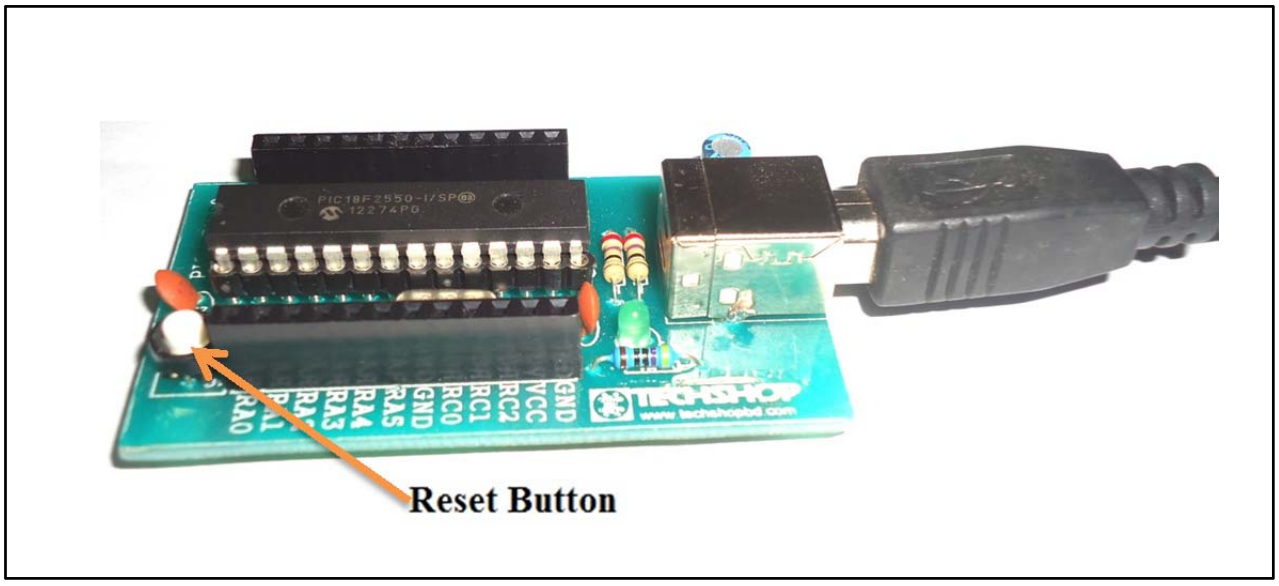


Figure 2: Connecting the PIC USB Starter Kit to a PC.

STEP 2: Start up the mikroElektronika USB HID Bootloader application

Start up the mikroElektronika USB HID Bootloader application

STEP 3: Create a link between the microcontroller and the program

Reset the PIC USB Starter Kit by pressing the RESET button.

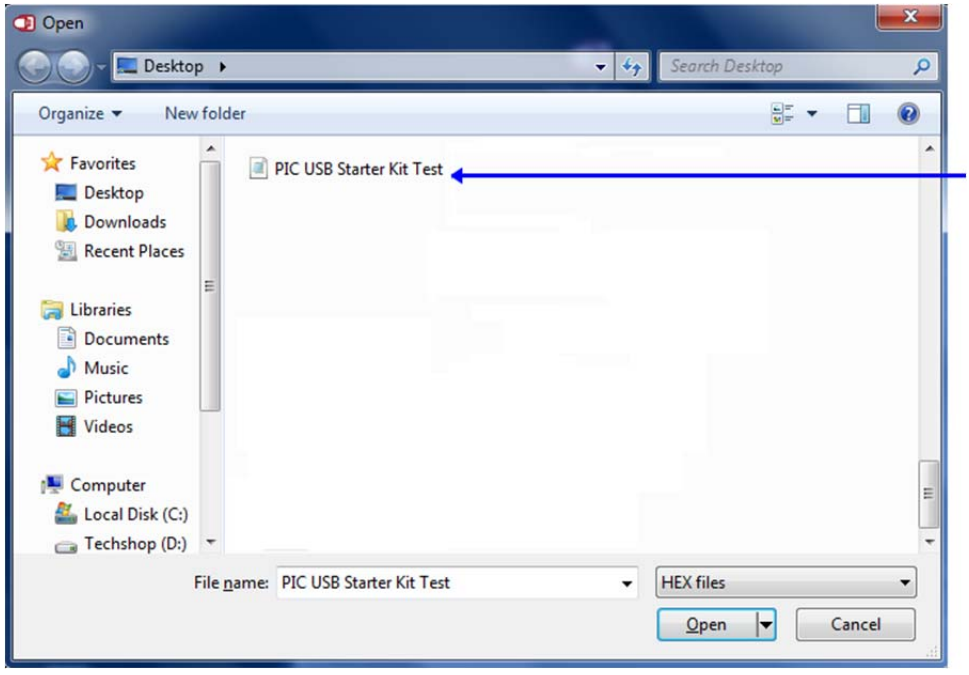
Wait for the USB symbol to turn red

Click on the Connect button within 5 seconds

The red color of the USB symbol indicates that the program is connected to the microcontroller

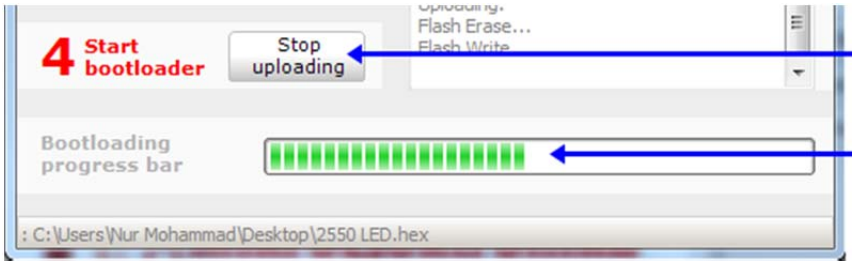
STEP 4: Browse for .hex file

Click on the Browse for HEX button



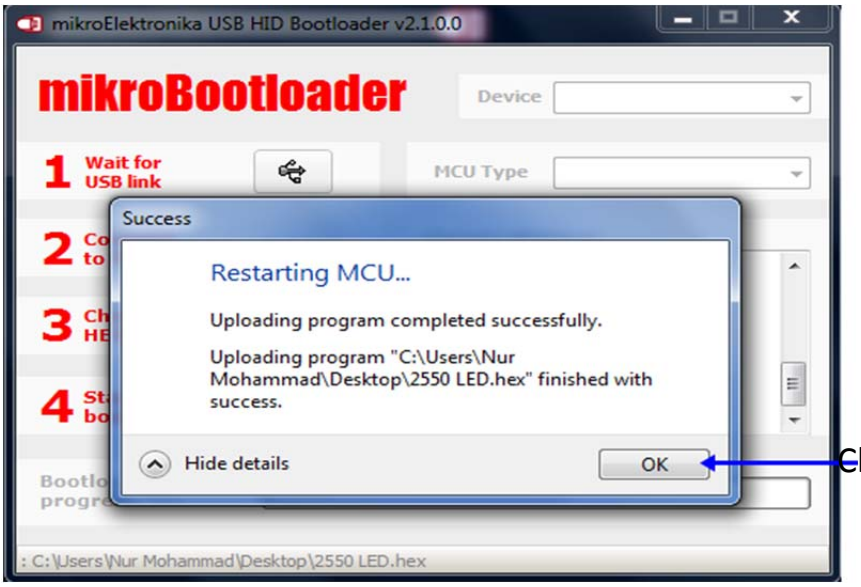
Choose a .hex file

STEP 5: Upload the .hex file into the microcontroller



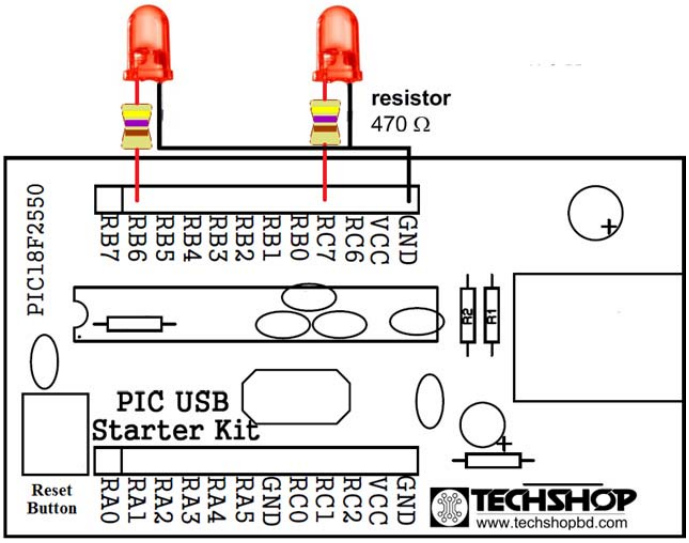
Click on the Begin uploading button

Follow the process of uploading in the progress bar



Click on the OK button

STEP 6: PIC USB Starter Kit Test



If tow LEDs Continuously Blinking so It's OK.