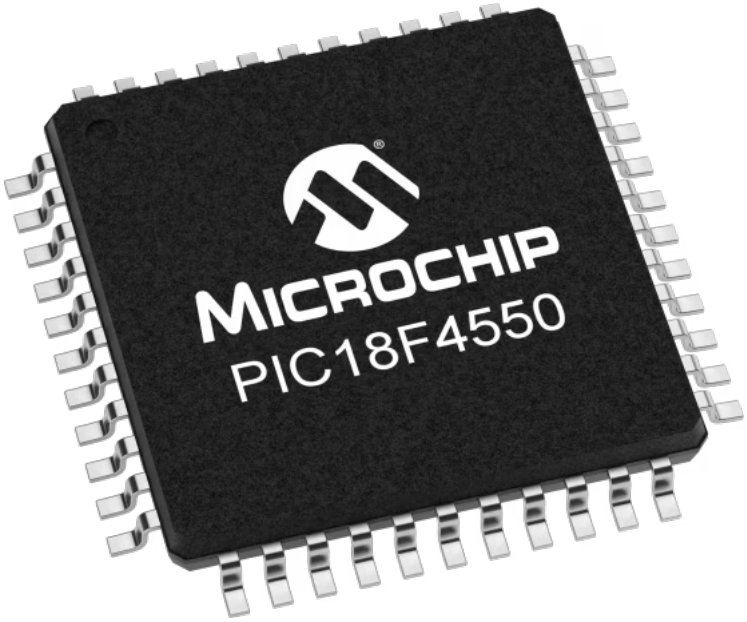
PIC18F4550

Bootloader Installation



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Chapter 1

Getting Started...

1.1 Pre-requisites

Before we start, its always better to collect the tools and other necessory stuff required to achive end result.

- PIC18F4550 Developement Board
- PICKIT-3
- PICKIT-3 PC Application
- Bootloader Hex file
- Bootloader device driver
- PDFSUSB Application `[For hex file upload]`
- LED blink demo hex file `[Optional]`

1.2 Brief Procedure

We have provided you the folder with alll the *installation* files, *Hex* files and *drivers*. Please Navigate to that folder and then follow the procedure given bellow.

1. Install the *PICKIT-3 PC Application*
2. Connect the *PICKIT-3* with *PIC18F4550* micro-controller.
3. Open the *PICKIT-3 PC Application* installed in Step 1.
4. Upload the *Bootloader hex file* into PIC18F4550 micro-controller.
5. Remove the *PICKIT-3* Programmer from micro-controller.
6. Install the *Bootloader Device Drivers* on the Windows.
7. Put the PIC18F4550 Microcontroller in the program mode.

8. Open the PDFSUSB Application
9. Select the microcntroller
10. Select the LED blink demo hex file or any other hex file you want to upload on the micro-controller.
11. Click on the Program button, and wait for the hex file to get upload in the micro-controller.
12. Reset the micro-controler to observe the output.

This is the brief procedure for power users who are used to the *Microchip's* and *PIC microcontroller's* eco-system.

If you are not familier with this eco-system or you find the above procedure hard, don't worry, I have given the detailed and stepwise procedure in later part of this document, which will guide you making your PIC bootloader experience buttery smooth.