FUSB302 Evaluation Board Update Procedure

Mobile Signal & Switch

Firmware Upgrade

- There are two files necessary for upgrading:
  - The bootloader software application: PIC32UBL.fcs
    - NOTE: Change .fcs extension to .exe extension and then you can run PIC32UBL.exe
  - The .hex firmware file to be used for upgrade: FM141014_xxx.hex
- The bootloader uses Window's built-in HID drivers for the protocol, so no driver installation should be necessary
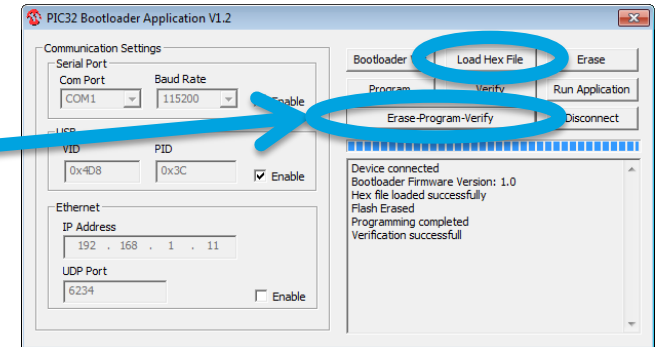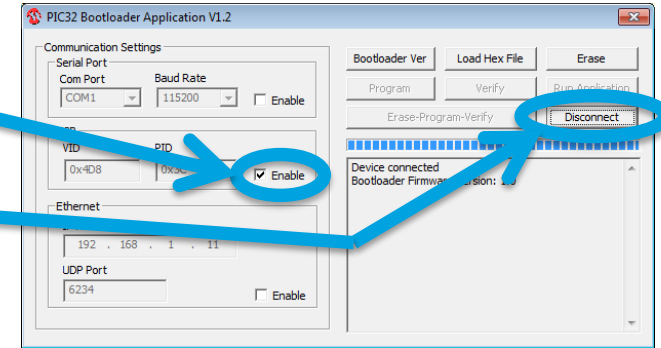
Firmware Upgrade Steps

In order to invoke the bootloader mode in the microcontroller, follow the following steps:

1.   Disconnect all power to the board
2.   Plug in a USB Type-A to Mini-B connector into your computer
3.   Hold down the bootloader button (SW1) while simultaneously connecting the Mini-B connection into the USB mini-B connector on the test board
4.   Once the microcontroller is in bootloader mode, the button (SW1) can be let go

Firmware Upgrade Steps Continued

1. Make sure the "Enable" checkbox in the USB group is checked
2. Press the "Connect" button to initiate the connection between the microcontroller and the software
3. Press the "Load Hex File" button to select the upgraded firmware
4. Select the upgraded firmware in the file selector window
5. Press the "Erase-Program-Verify" button to initiate the firmware upgrade
6. Wait to see "Verification successful" message
7. Unplug the USB (Mini-B) cable
8. Upgrade is complete

Thank You