Generic AcSense Programming Procedure

Prerequisites:

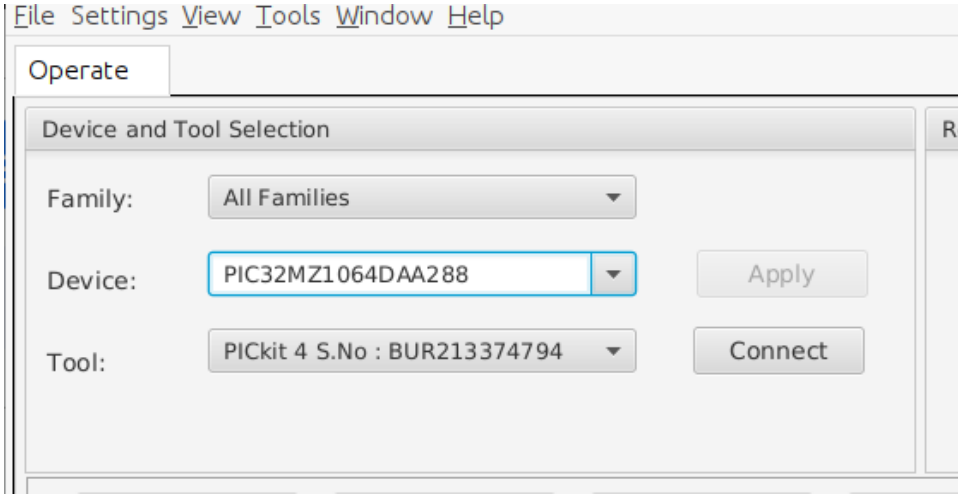
- MPLAB IDE (https://www.microchip.com/en-us/tools-resources/develop/mplab-x-ide#tabs)

  - Install
  - Download linux installer
  - unzip
  - Open Terminal
  - Type “cd Downloads/”
  - “ls” (Lowercase LS)
  - “sudo bash MPLABX-v6.20-linux-installer.sh”, and follow menus. Leaving defaults
  - MPLAB X IDE v6.20
  -
- Pickit 4 or PicKit 5 with adapter cable

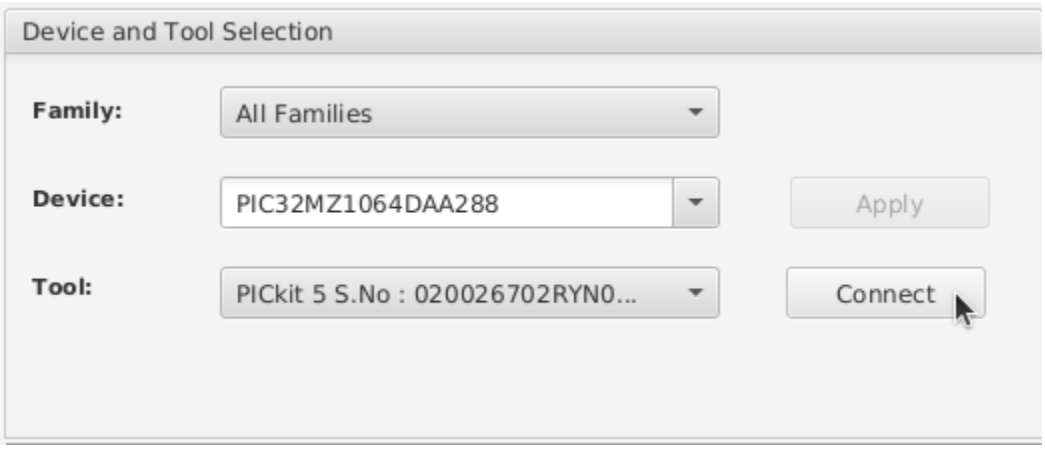
Procedure:

- Create a new temporary directory using the data and version you are programming. This will be provided as a hex file.
- Open “MPLAB IPE” (NOT “MPLAB X IDE”)

- Select “PIC32MZ1064DAA288” from the device drop down menu
- Plug in your PicKit.
- Select your PicKit from the Tool drop down. If it does not connect automatically

- 

- Connect your picKit to the AcSense via J10.
- Power the AcSense either via the 2 pin microfit or the USB-C connector.
- Select connect in MPLAB IPE



- Select the downloaded hex file with the browse button Before clicking Program. (MAKE SURE IT IS THE ONE YOU DOWNLOADED)
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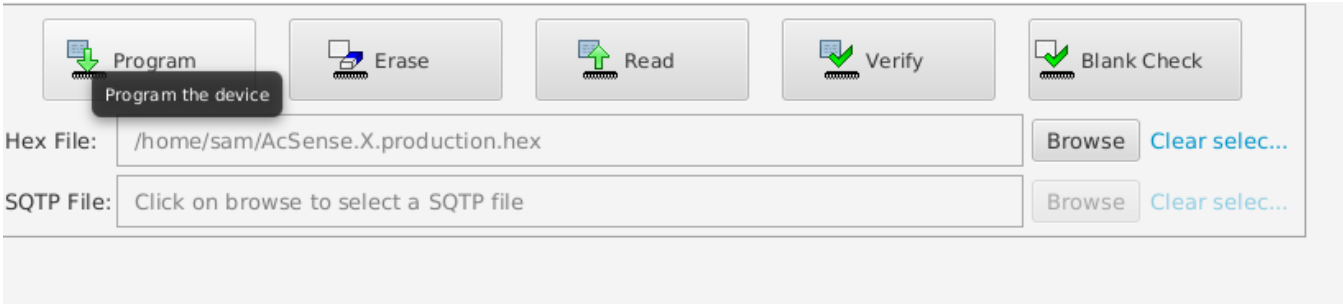
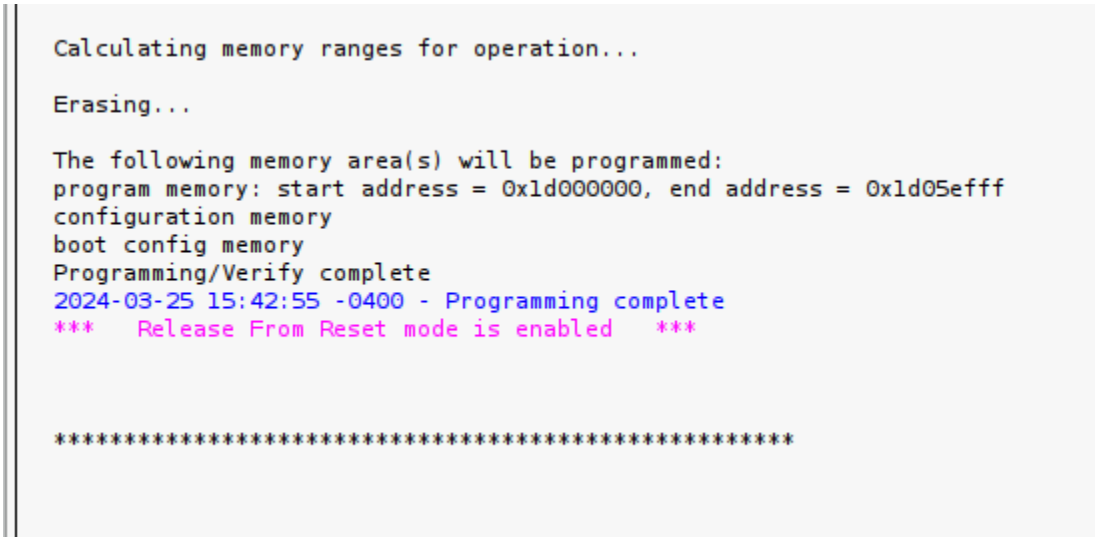
- Select Program

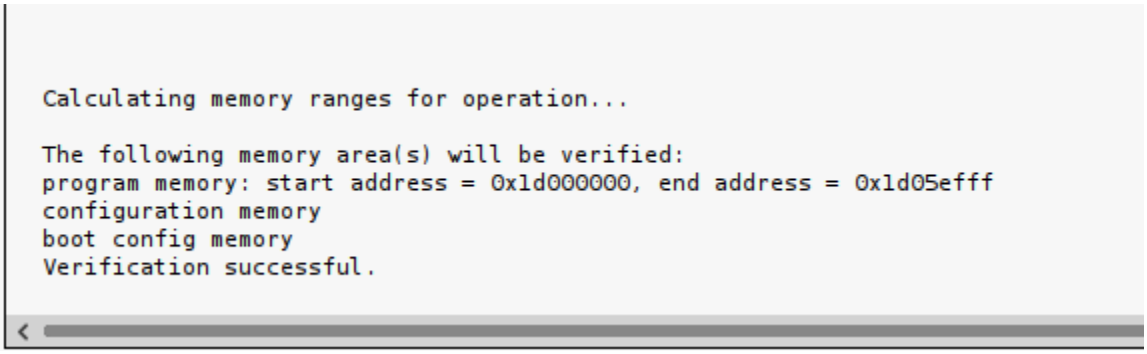


- Watch for the programming complete message:

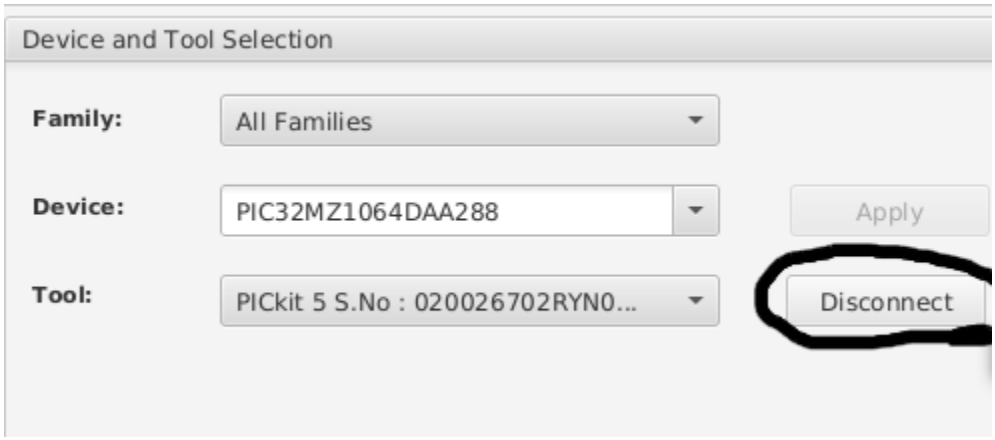


- Select Verify:

- Watch for Verification Successful Message.



- Select “Disconnect”



- Unplug Circuit Board from Power source
- TBD: Labeling?
- When you are finished programming the boards. Remove the temporary directory you created with the hex file.