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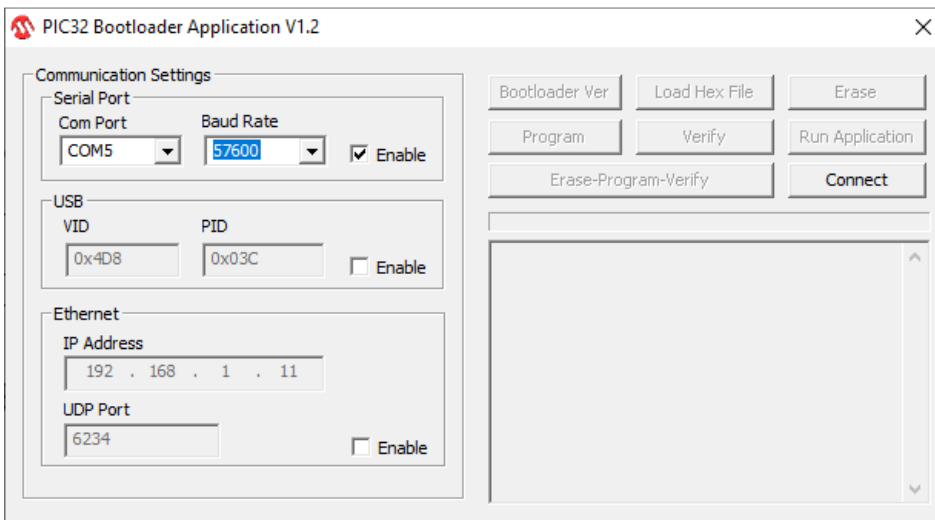
SLC4060TechNote100_FirmwareUpgradeProcedure.docx

Rev. 03/18/24

SLC4060 Process Gateway (PGW) Firmware Upgrade Procedure via USB

Bootloader Firmware Update

1. Obtain the firmware file (SLC4060***.hex) from Selectronix
2. Obtain the “PIC32 Btldr Console” from Selectronix (The app)



3. With the power to the SLC4060 OFF
4. Set SW2-1 to ON for bootloader mode.
5. On the PC, Open Device Manager
 - a. Click on Ports (COM & LPT)
 - b. Observe the assigned COM port when the micro USB is connected to the SLC4060 and the PC
 - c. Verify that the assigned USB Serial Port (COM) port is between COM1 and COM9
 - i. If not, re-use an available COM port by clicking on the USB Serial Port (COMx)
 - ii. Right click **Properties**
 - iii. Select the Port Settings Tab
 - iv. Select Advanced
 - v. Set the COM Port Number to an available COM1 to COM9
 1. Some of the known unused ports may display (in use), but re-assign if known unused.
6. **Turn power ON to the SLC4060**
7. See the Status LED flash green and red rapidly indicating the bootloader mode.
8. On the app, set the Com Port to the port created by the new USB connection.
 - a. You might have to use Device Manager to see the COM port assignments for the new USB connection.
 - b. Connect and re-connect the USB cable to see the assigned port.
9. **Set the Baud Rate to 57600**
10. <Connect>
 - a. See successful connection
11. <Load Hex File>
 - a. Load the new firmware file
12. <Erase-Program-Verify>
 - a. See successful status
13. Turn power OFF to the SLC4060
14. Set SW2-1 to OFF
15. Power up the SLC4060

16. Verity the firmware has been updated displayed on the touchscreen on line 2 of the SLC4060 Information page..

*******Upgrade Procedure Complete*******