

Welcome to Microchip 2022 「Summer Elite」



A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



SMART | CONNECTED | SECURE

CAE Taiwan Team

Jul. 2022

How to Program the Hex files using MPLAB X IDE



A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



SMART | CONNECTED | SECURE

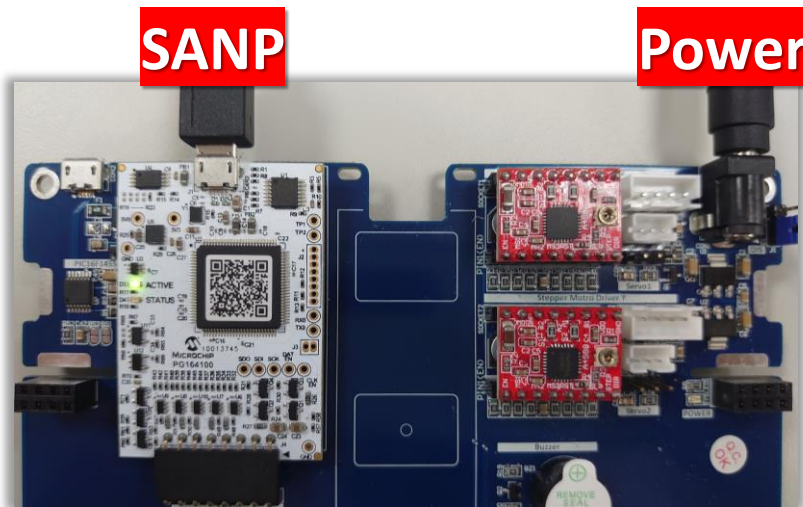
CAE Taiwan Team

Jul. 2022

Program the Hex files

- Please follow the steps.

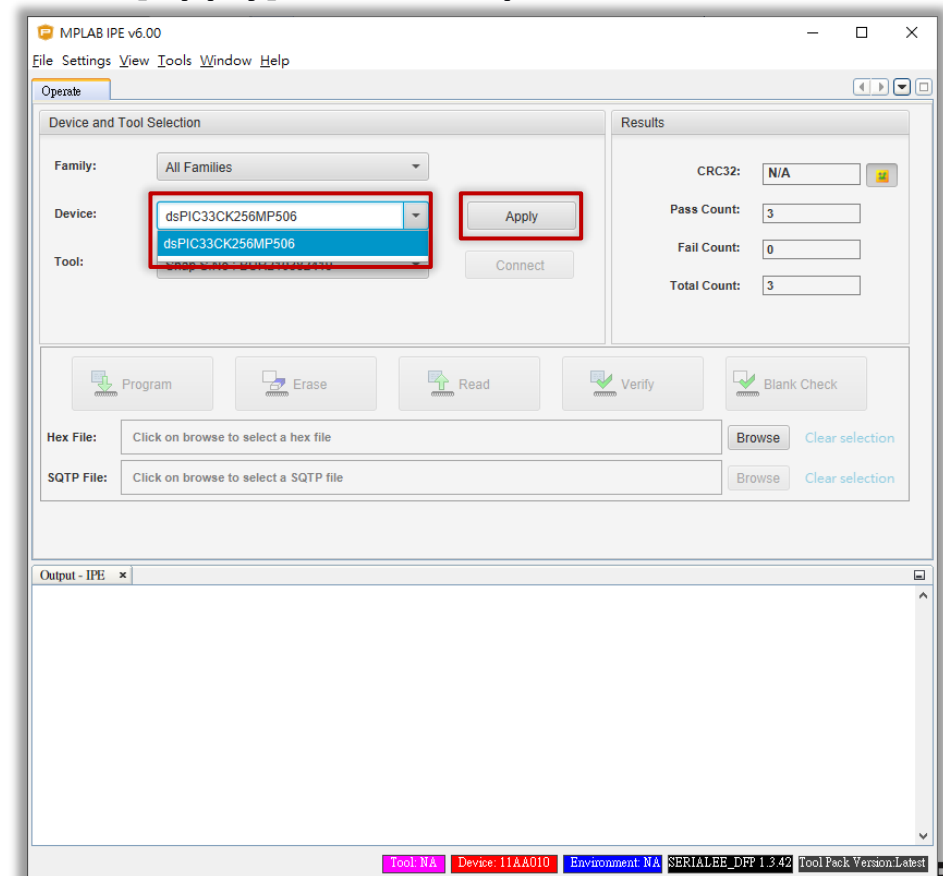
Step 1 : Install the Power Supply and use a transmission cable to connect between the computer and the SNAP.



Step 2 : Double click the shortcuts to open the MPLAB X IPE.



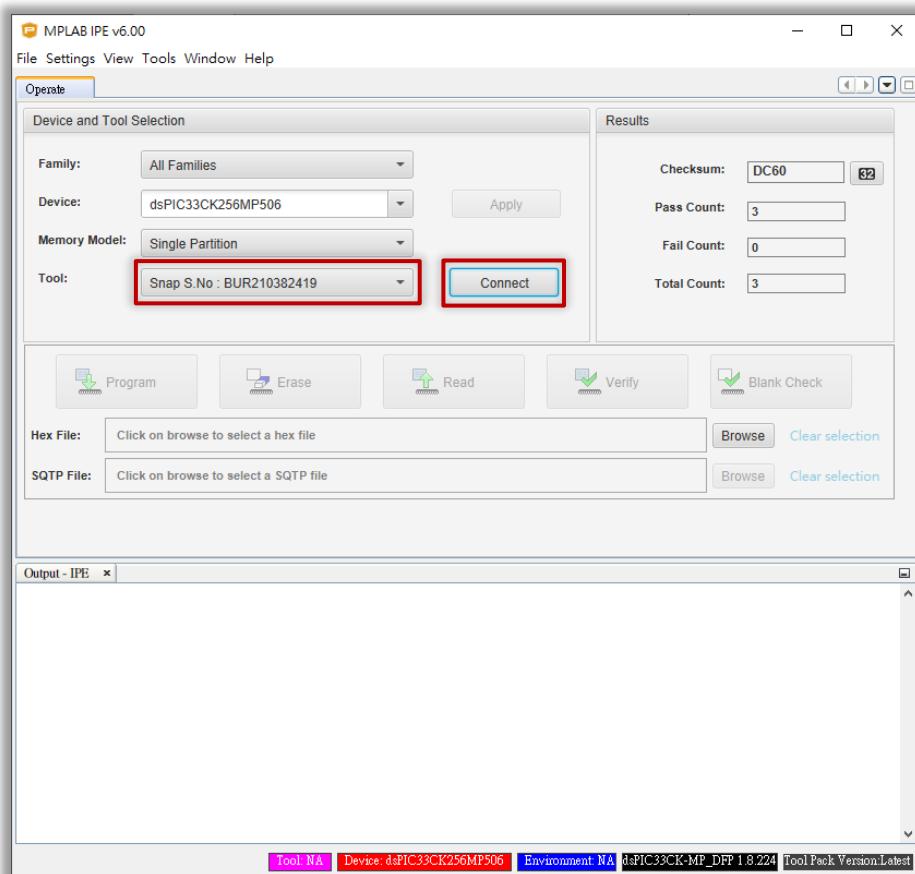
Step 3 : Enter the MCU device number of the experiment board and Select It, then Click [Apply] to next step.



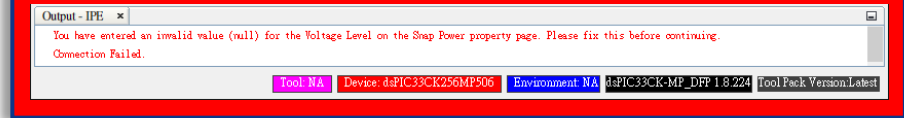
Program the Hex files

- Please follow the steps.

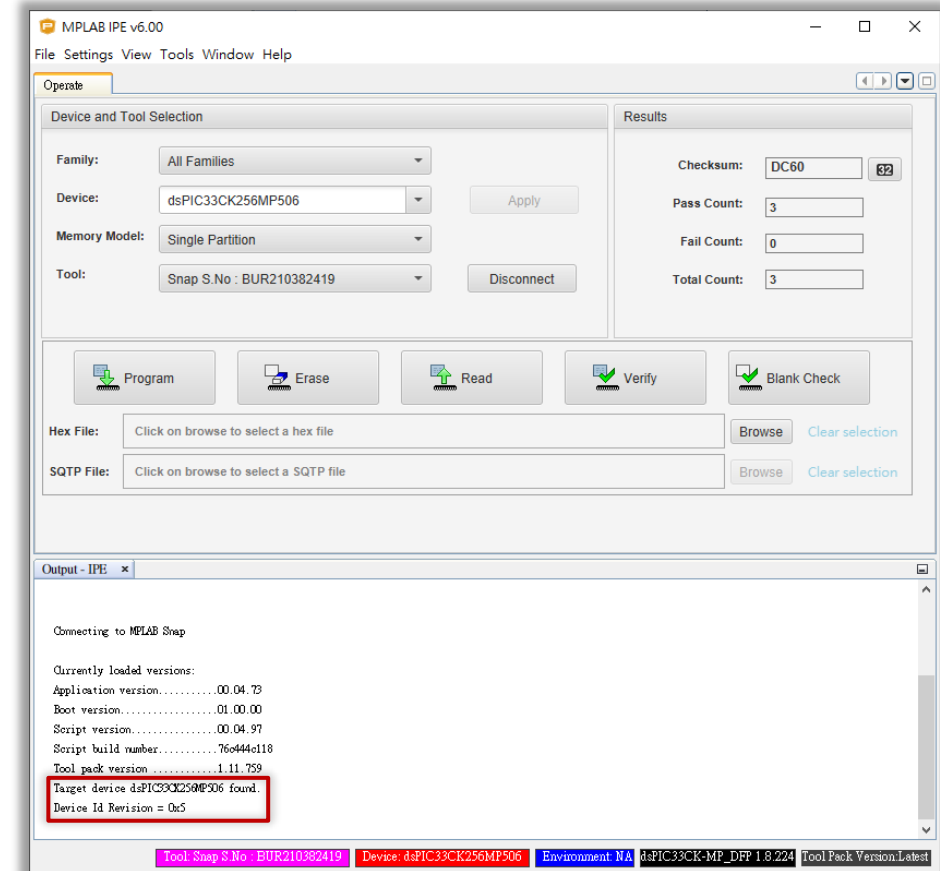
Step 4 : Check the Sanp and Serial Number show in the Tool field, and then Click [Connect] to next step.



If any red error message (like the example) appears in your Output window, please reconnect the Power Supply and SNAP, and then re-open the MPLAB X IPE.



Step 5 : Make sure that [Device Id Revision] appears in the Output window.

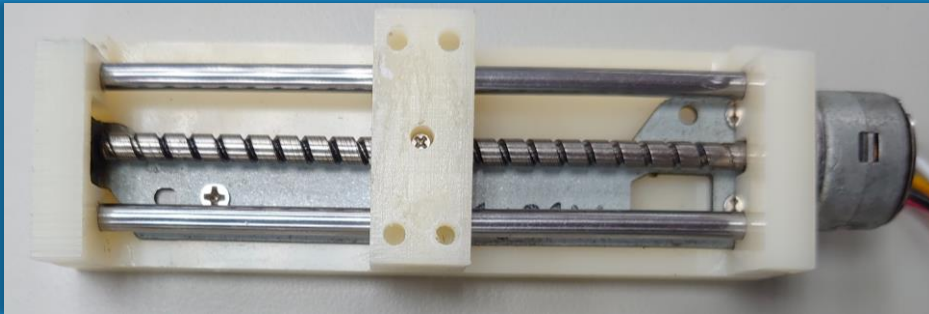


Program the Hex files

- Select the Hex file of the motor type currently used.

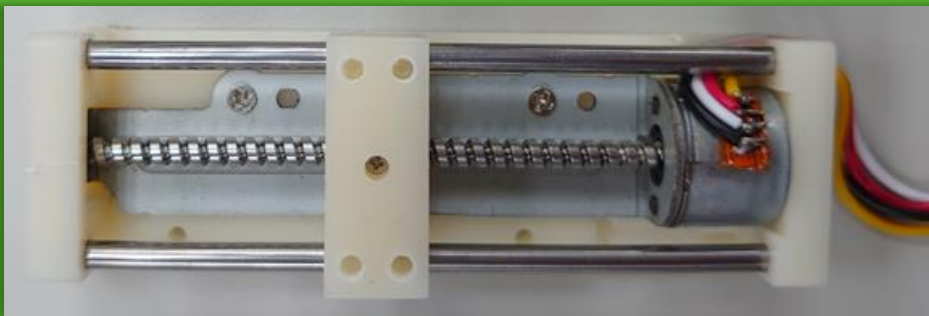
Please check the Motor Type currently used first !!

Mode 1



→ FactoryDemo_APP053_Motor_**Model1**_FullStep.hex

Mode 2

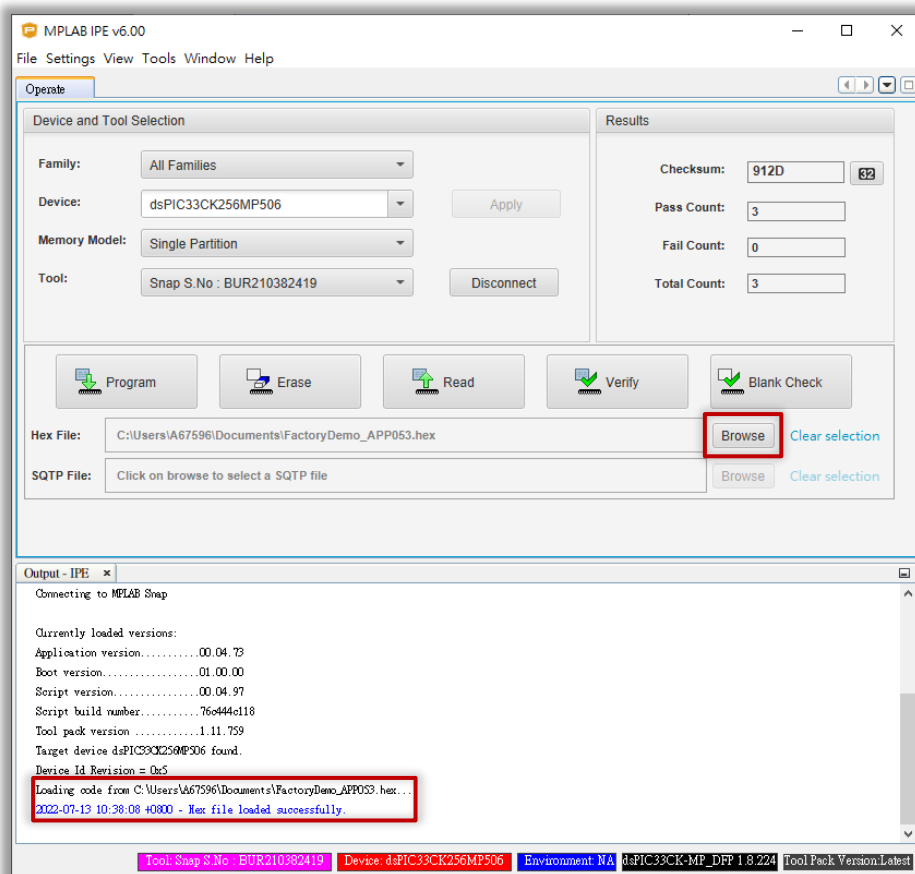


→ FactoryDemo_APP053_Motor_**Model2**_FullStep.hex

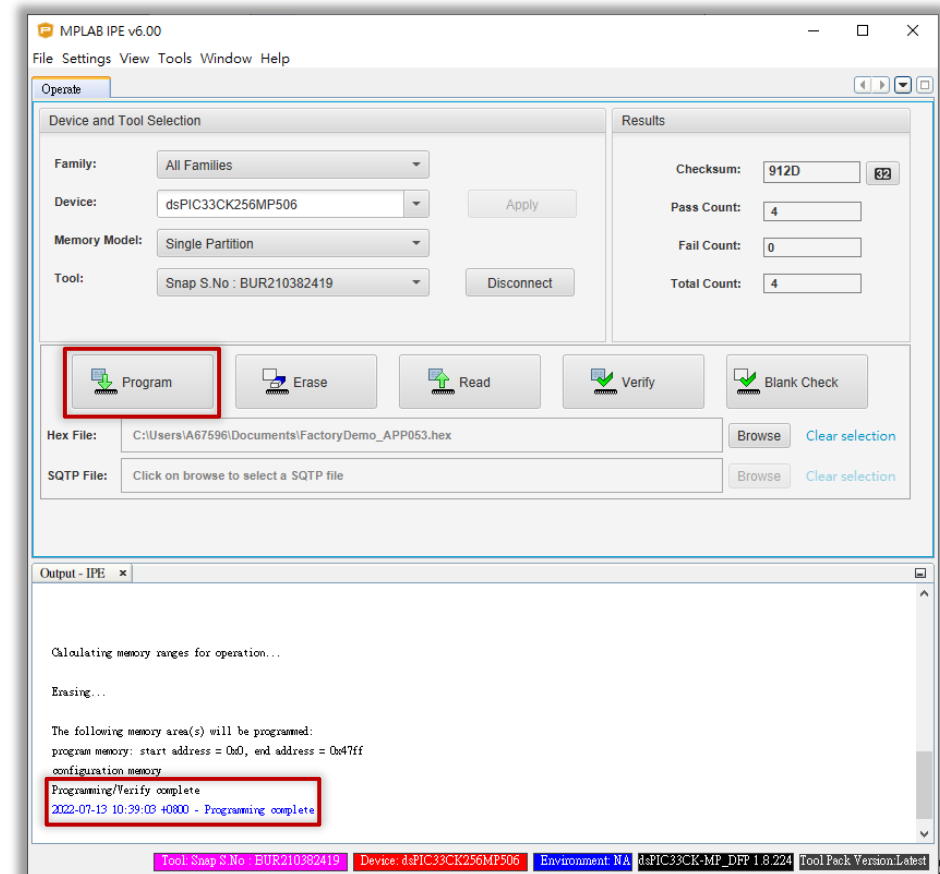
Program the Hex files

- Please follow the steps.

Step 6 : Click [Browse] to select the .Hex file, then make sure that [**Hex file loaded successfully**] appears in the Output window.



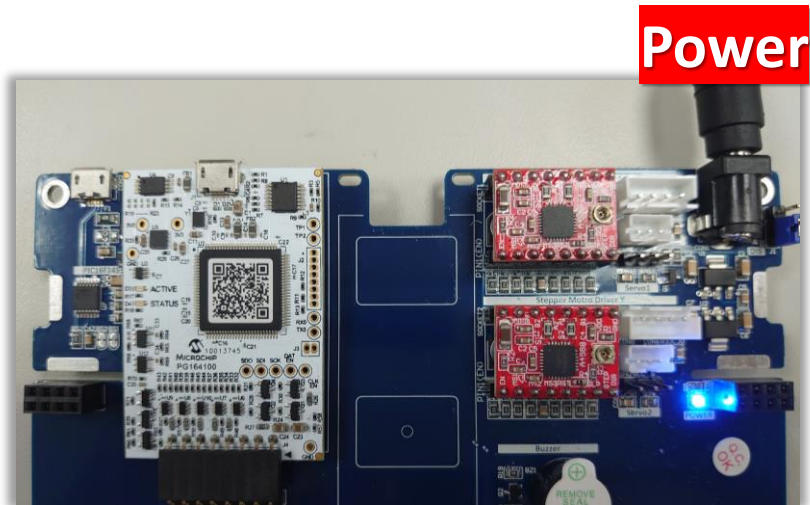
Step 7 : Click [Program] to start programming the Hex file to MCU, then make sure that [**Programming complete**] appears in the Output window.



Program the Hex files

- Please follow the steps.

Step 8 : Keep Install the power supply and Remove the cable on the SNAP.



Step 9 : Your device will execute the new program.

