

Currently using MPLABX 5.45, pic-as 2.31 with Win 10; Assembly only.

Projects all always in the root of disk D:

Not C conversant myself, been using this procedure for many many years now.

(If frowned upon by the professionals, sorry. Simply, this works for me).

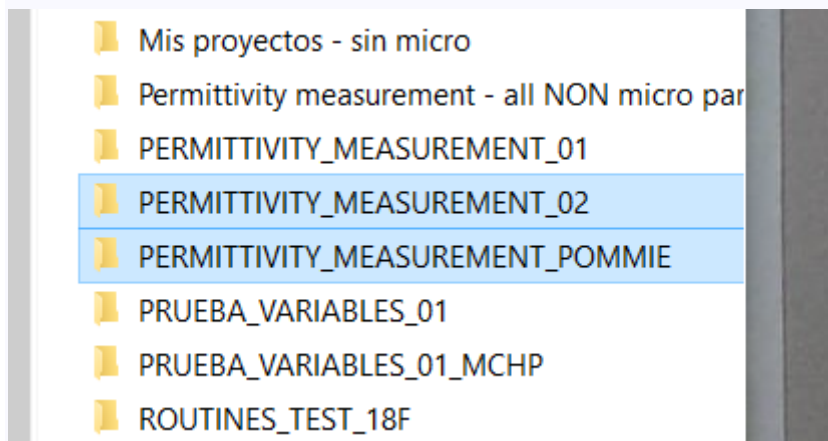
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**To start**, I do copy the whole folder with my existing project

**PERMITTIVITY\_MEASUREMENT\_02**

and rename it

**PERMITTIVITY\_MEASUREMENT\_ POMMIE**



Inside that new folder I rename only one file

**000\_ PERMITTIVITY\_MEASUREMENT\_02.S**

to

**000\_ PERMITTIVITY\_MEASUREMENT\_ POMMIE.S**

This file is where I always #include all code and data in a bunch of specific .S files.

IOW it is the **only one to be ever added to a project**.

Excerpt is shown:

```

ISR_HIGH_OR_COMPATIBLE:
; #include "026_ISR_COMPATIBLE_MODE.S"
#include "027_ISR_HIGH.S"

Psect code

INIPROG:                                ;real men's land - action starts here

;initialization starts here

#include "035_INIT_HARDWARE.S"
#include "040_INIT_LCD.S"
#include "042_INIT_GPR_AND_FLAGS.S"
#include "045_INIT_FIRST_INFO.S"
#include "047_INIT_INTERRUPTS.S"

;initialization ends here
;-----

#include "050_MAIN_LOOP.S"
;-----

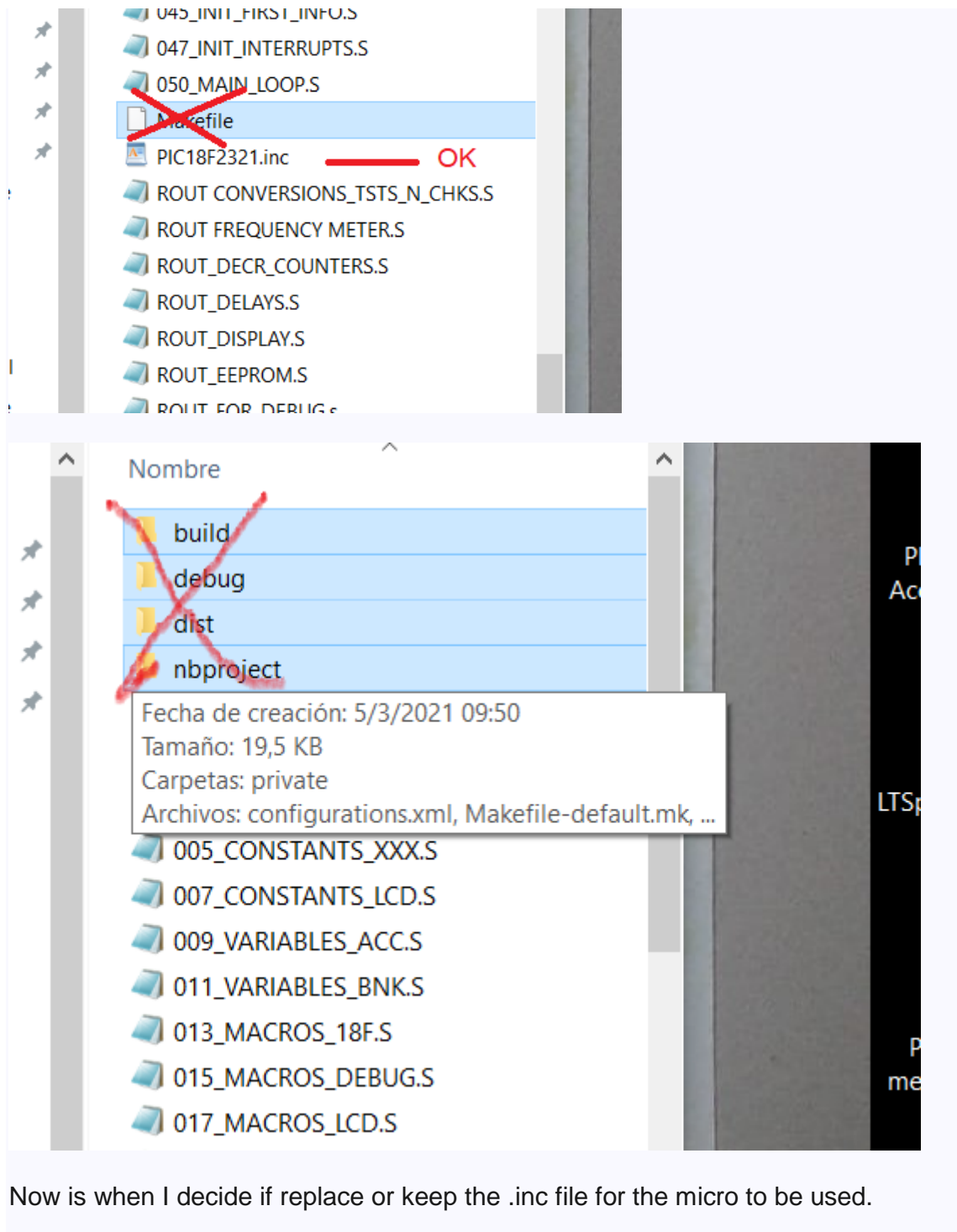
;Routines

#include "ROUT_CONVERSIONS_TSTS_N_CHKS.S"
#include "ROUT_DECR_COUNTERS.S"
#include "ROUT_DELAYS.S"
#include "ROUT_DISPLAY.S"
; #include "ROUT_EEPROM.S"
#include "ROUT_FOR_DEBUG.S"
#include "ROUT_FREQUENCY_METER.S"
#include "ROUT_KEYP_MANAGER.S"
#include "ROUT_KEYP_SERV.S"
#include "ROUT_LCD.S"
#include "ROUT_MATHS.S"
; #include "ROUT_SERIAL.S"
#include "TABLES_DATA.S"
#include "TABLES_TEXT.S"

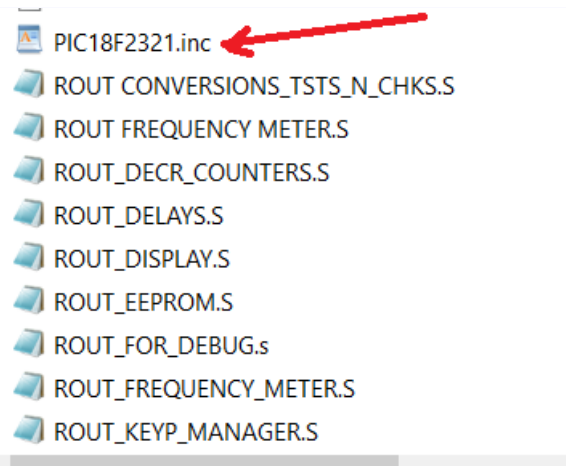
;Done my friend. Nice to work with you.
END POR_VECTOR

```

Going back to the folder - inside it, I delete the Makefile and files generated by the Assembler (when compiling the former project).



Now is when I decide if replace or keep the .inc file for the micro to be used.



Now

Open MPLABX

Close all Projects.

Click New Project

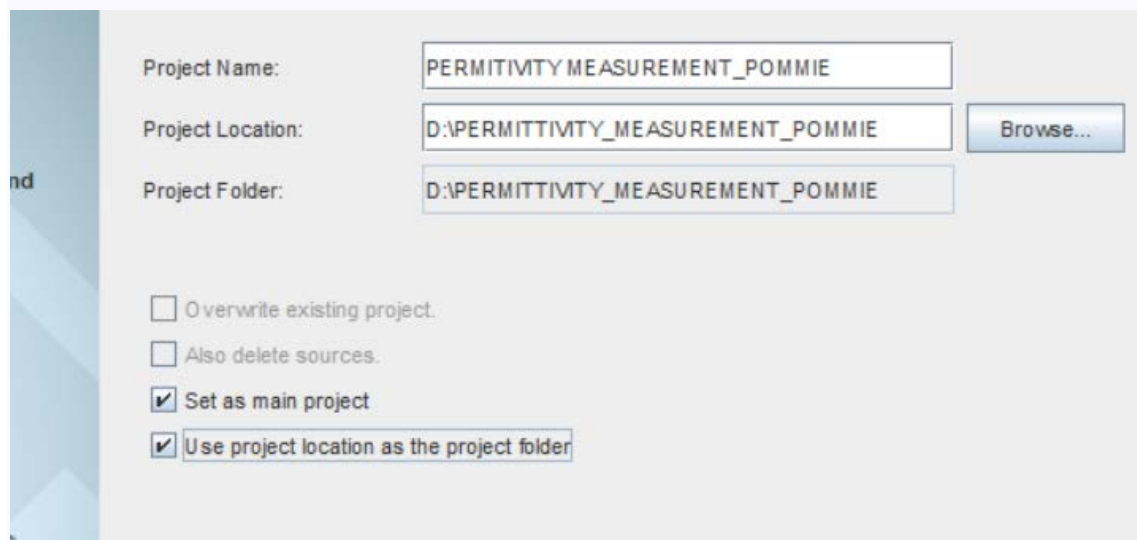
Select Microchip Embedded – Standalone

Select device (I skip family and go straight to the PIC of interest)

Select tool (even simulator)

Select toolchain (in my case pic-as v 2.31)

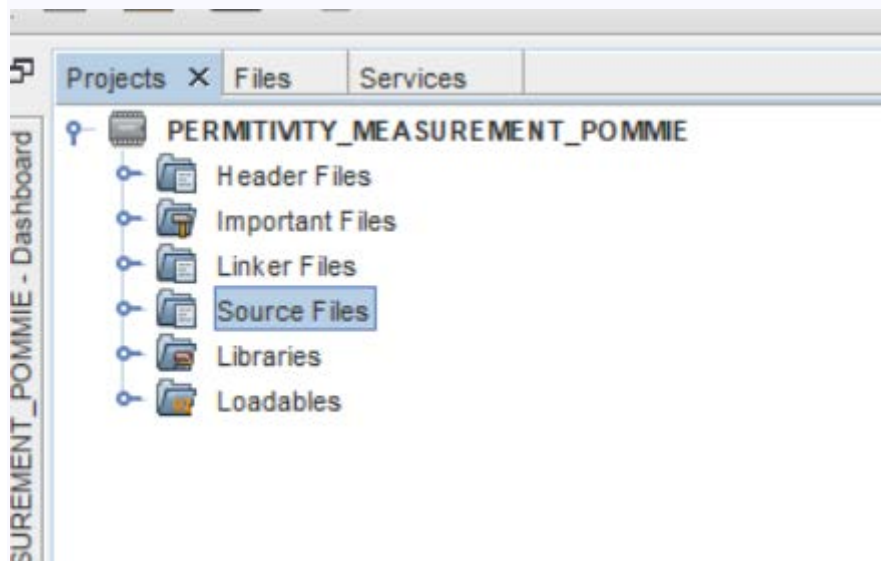
I type the project's name and select the project folder I generated upfront.



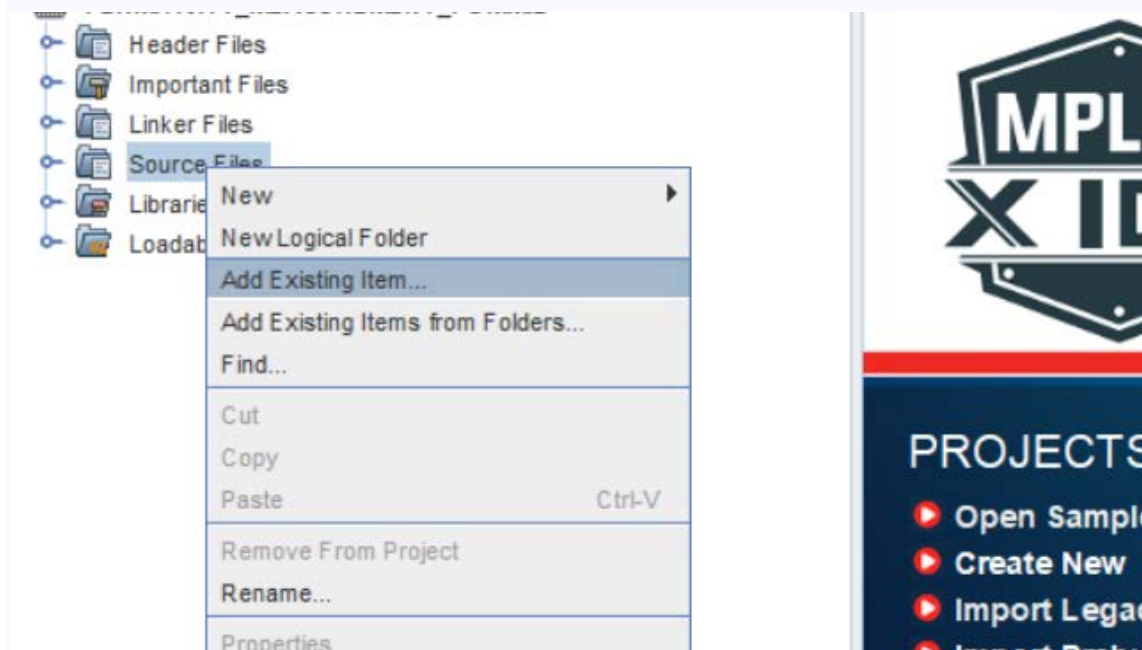
Click finish

On the left above, left click on the Projects tab

Right click on Source Files.

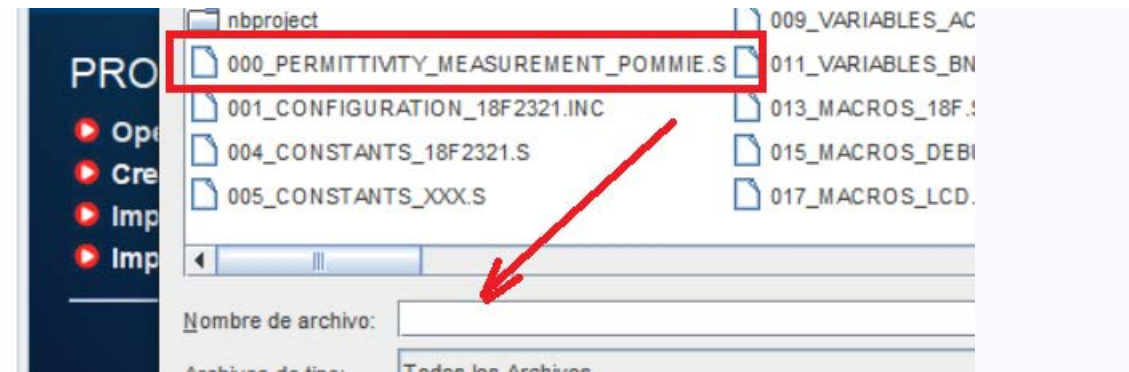


Left click on Add Existing Item



In the window that will open, select

000\_PERMITTIVITY\_MEASUREMENT\_POMMIE.S



Click on Select.

You can compile the project.