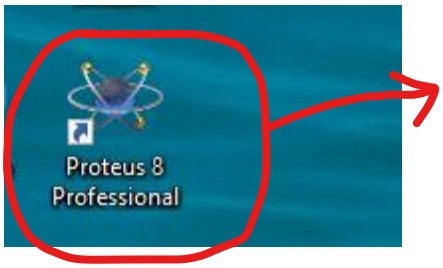
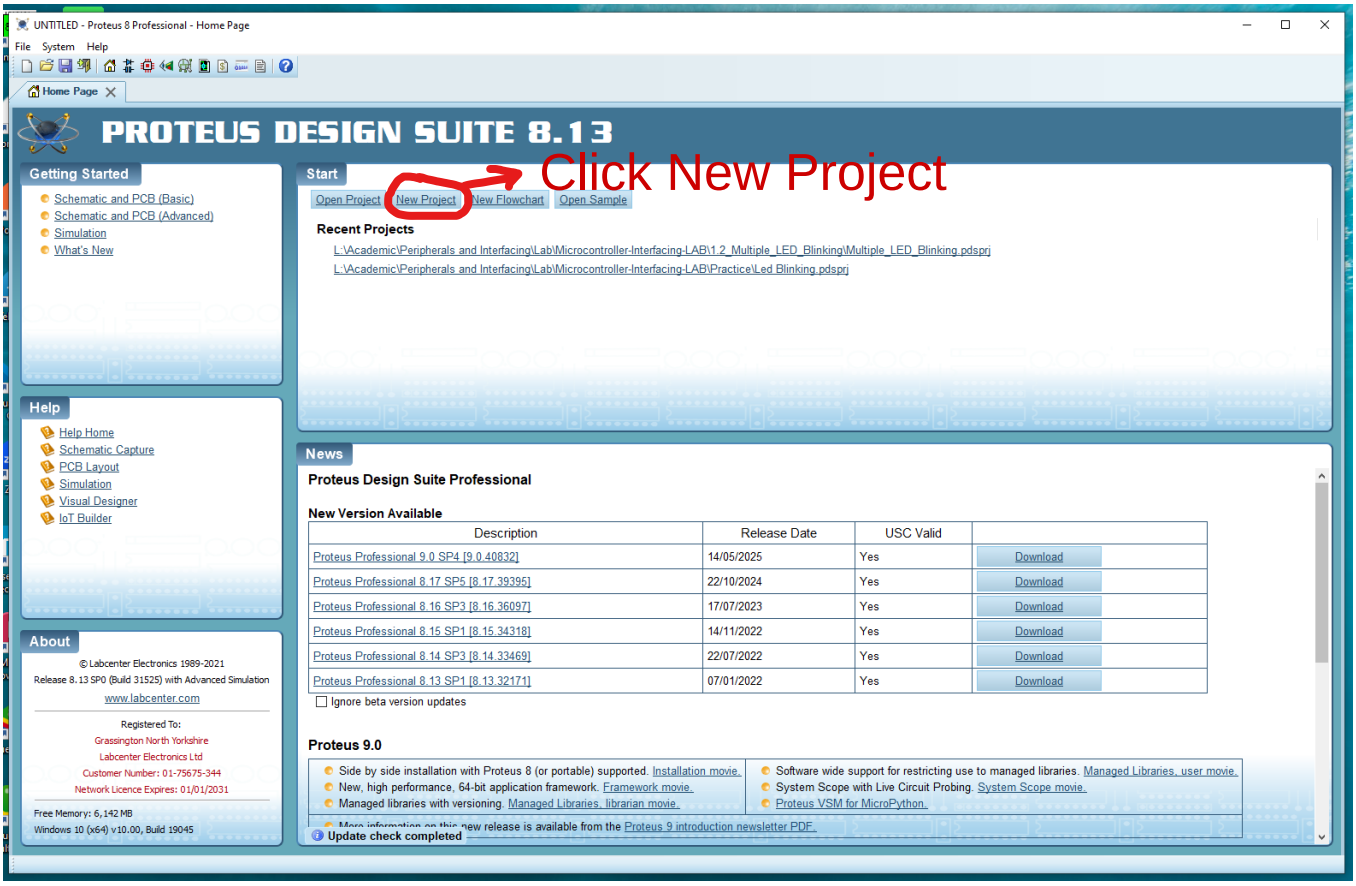
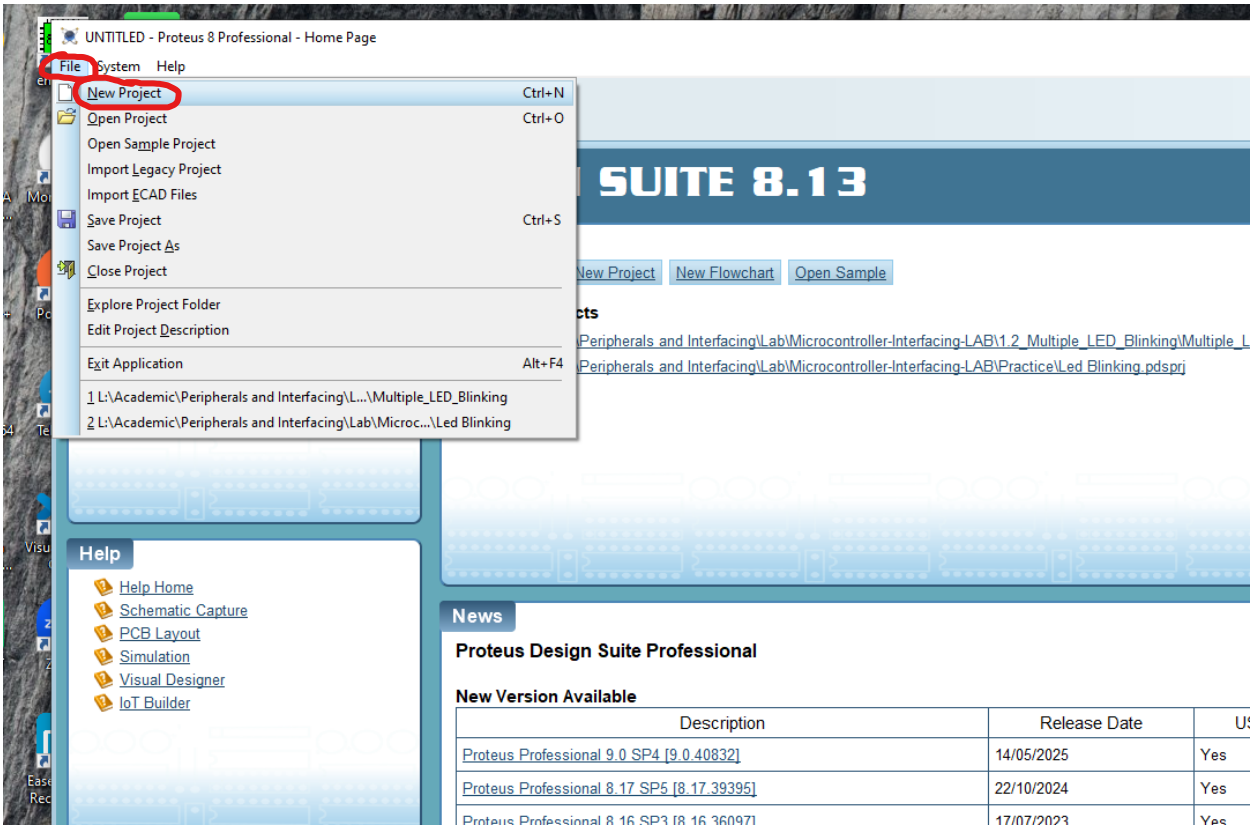
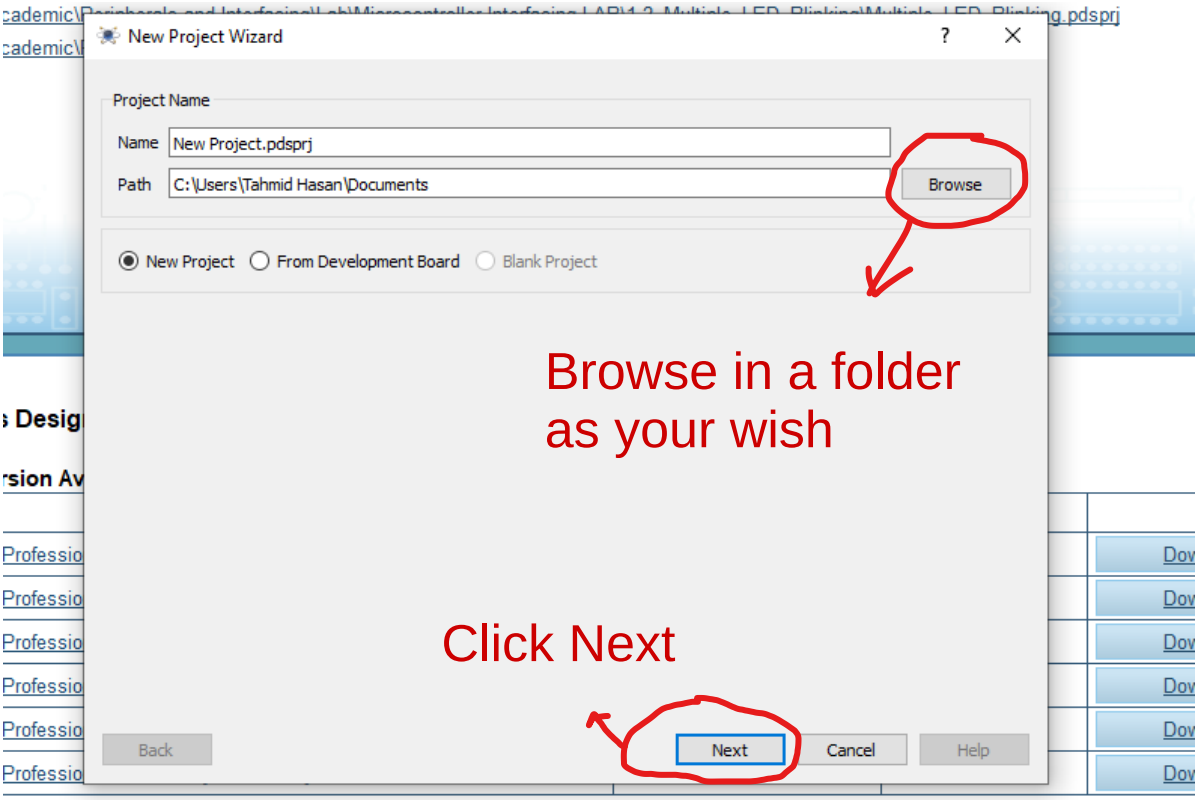
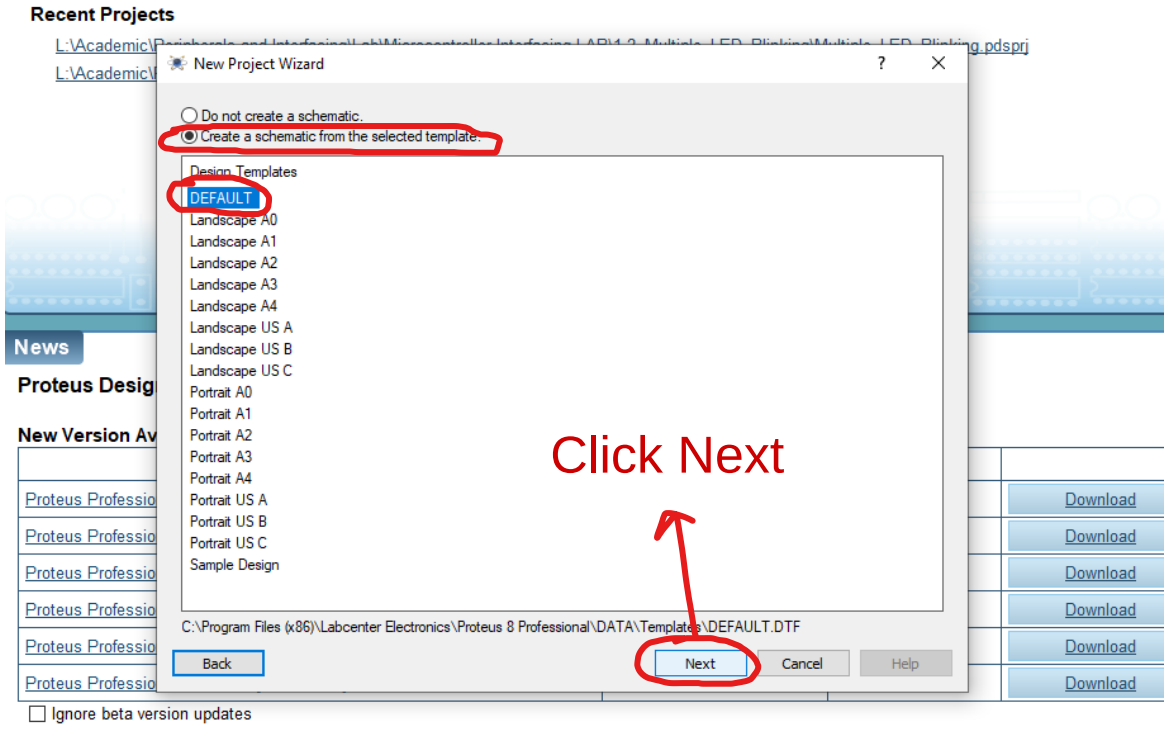
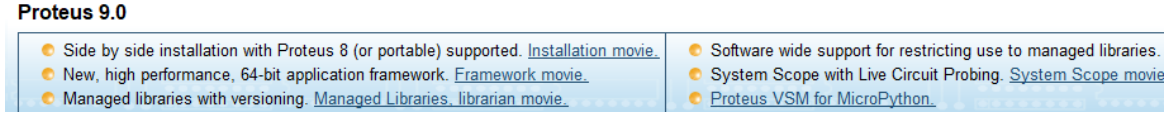

Proteus 8
Professional
Double Click

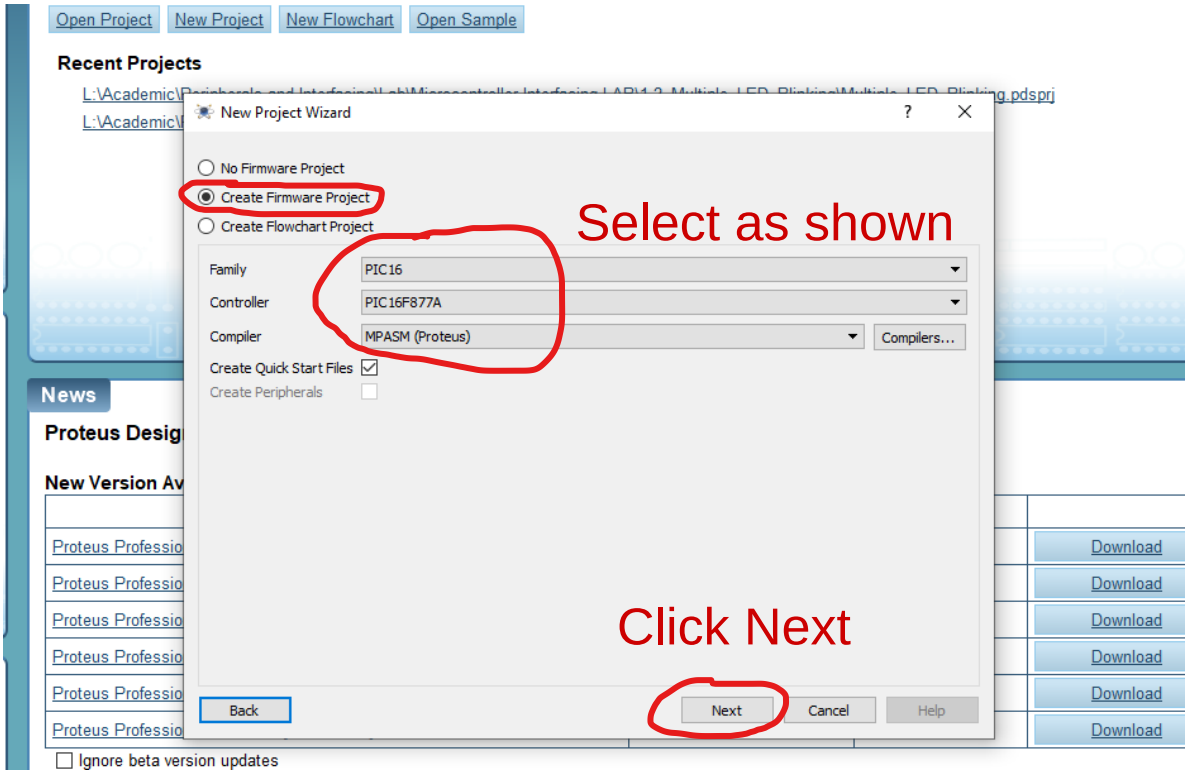

UNTITLED - Proteus 8 Professional - Home Page
File System Help
Home Page
PROTEUS DESIGN SUITE 8.13
Getting Started
Schematic and PCB (Basic)
Schematic and PCB (Advanced)
Simulation
What's New
Help
Help Home
Schematic Capture
PCB Layout
Simulation
Visual Designer
IoT Builder
About
© Labcenter Electronics 1989-2021
Release 8.13 SP0 (Build 31525) with Advanced Simulation
www.labcenter.com
Registered To:
Grassington North Yorkshire
Labcenter Electronics Ltd
Customer Number: 01-75675-344
Network Licence Expires: 01/01/2031
Free Memory: 6,142 MB
Windows 10 (x64) v10.00, Build 19045
Start
Open Project
New Project
New Flowchart
Open Sample
Click New Project
Recent Projects
L:\Academic\Peripherals and Interfacing\Lab\Microcontroller-Interfacing-LAB\1.2_Multiple_LED_Blinking\Multiple_LED_Blinking.pdsprj
L:\Academic\Peripherals and Interfacing\Lab\Microcontroller-Interfacing-LAB\Practice\Led Blinking.pdsprj
News
Proteus Design Suite Professional
New Version Available
Description
Release Date
USC Valid
Proteus Professional 9.0 SP4 [9.0.40832]
14/05/2025
Yes
Download
Proteus Professional 8.17 SP5 [8.17.39395]
22/10/2024
Yes
Download
Proteus Professional 8.16 SP3 [8.16.36097]
17/07/2023
Yes
Download
Proteus Professional 8.15 SP1 [8.15.34318]
14/11/2022
Yes
Download
Proteus Professional 8.14 SP3 [8.14.33469]
22/07/2022
Yes
Download
Proteus Professional 8.13 SP1 [8.13.32171]
07/01/2022
Yes
Download
Ignore beta version updates
Proteus 9.0
Side by side installation with Proteus 8 (or portable) supported. Installation movie.
New, high performance, 64-bit application framework. Framework movie.
Managed libraries with versioning. Managed Libraries, librarian movie.
Software wide support for restricting use to managed libraries. Managed Libraries, user movie.
System Scope with Live Circuit Probing. System Scope movie.
Proteus VSM for MicroPython.
Update check completed

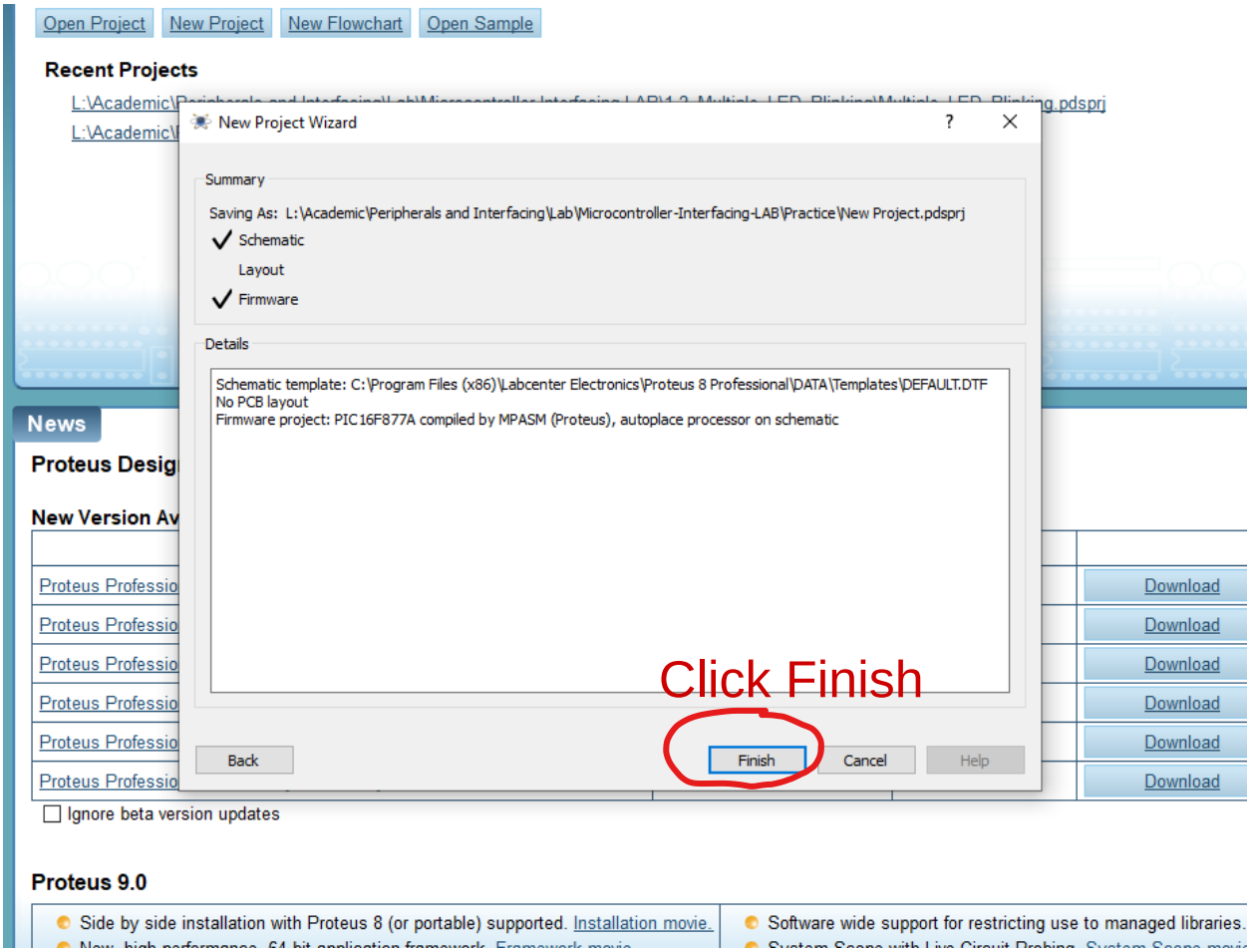

UNTITLED - Proteus 8 Professional - Home Page
File
System
Help
New Project Ctrl+N
Open Project Ctrl+O
Open Sample Project
Import Legacy Project
Import ECAD Files
Save Project Ctrl+S
Save Project As
Close Project
Explore Project Folder
Edit Project Description
Exit Application Alt+F4
1 L:\Academic\Peripherals and Interfacing\L...\Multiple_LED_Blinking
2 L:\Academic\Peripherals and Interfacing\Lab\Microc...\Led Blinking
SUITE 8.13
New Project
New Flowchart
Open Sample
Peripherals and Interfacing\Lab\Microcontroller-Interfacing-LAB\1.2_Multiple_LED_Blinking\Multiple_L
Peripherals and Interfacing\Lab\Microcontroller-Interfacing-LAB\Practice\Led Blinking.pdsprj
Help
Help Home
Schematic Capture
PCB Layout
Simulation
Visual Designer
IoT Builder
News
Proteus Design Suite Professional
New Version Available
Description
Release Date
Proteus Professional 9.0 SP4 [9.0.40832]
14/05/2025
Yes
Proteus Professional 8.17 SP5 [8.17.39395]
22/10/2024
Yes

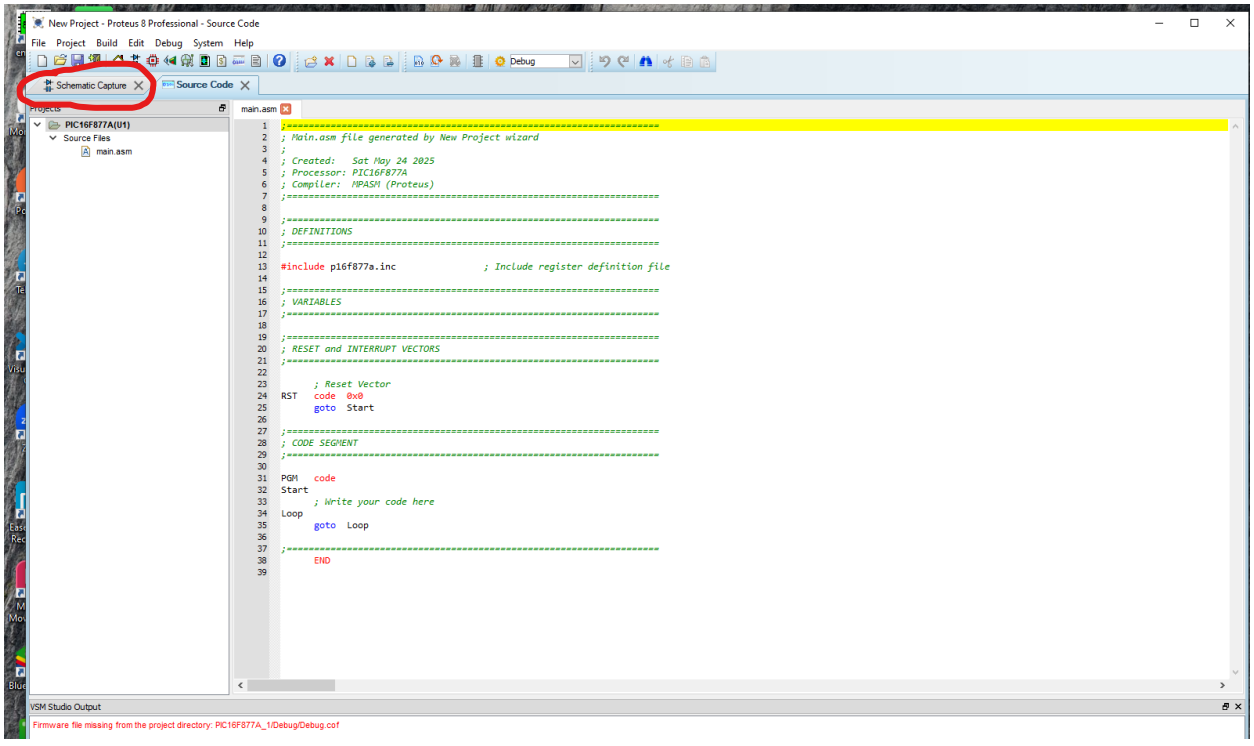

New Project Wizard
Project Name
Name New Project.pdsprj
Path C:\Users\Tahmid Hasan\Documents
Browse
New Project
From Development Board
Blank Project
Browse in a folder as your wish
Click Next
Back
Next
Cancel
Help

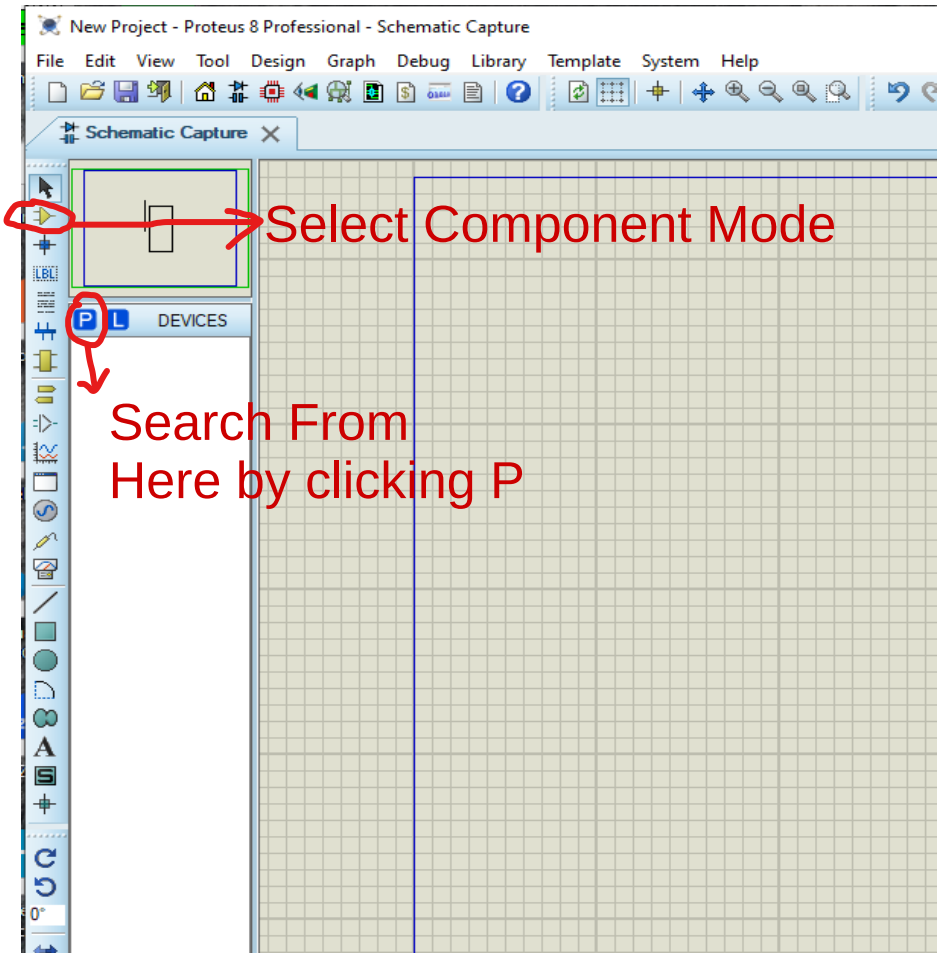

Recent Projects
New Project Wizard
Do not create a schematic.
Create a schematic from the selected template:
Design Templates
DEFAULT
Landscape A0
Landscape A1
Landscape A2
Landscape A3
Landscape A4
Landscape US A
Landscape US B
Landscape US C
Portrait A0
Portrait A1
Portrait A2
Portrait A3
Portrait A4
Portrait US A
Portrait US B
Portrait US C
Sample Design
C:\Program Files (x86)\Labcenter Electronics\Proteus 8 Professional\DATA\Templates\DEFAULT.DTF
Back
Next
Cancel
Help
Click Next
News
Proteus Desig
New Version Av
Proteus Professio
Download
Ignore beta version updates

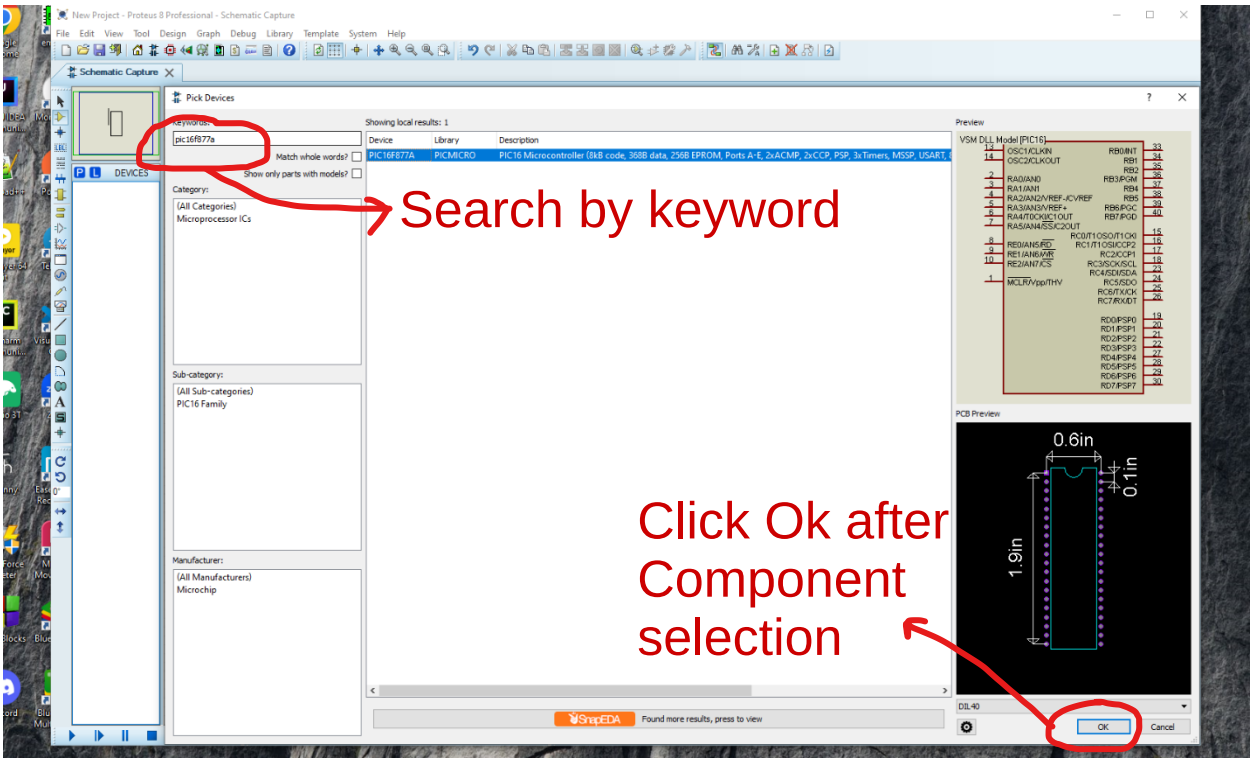

Proteus 9.0
Side by side installation with Proteus 8 (or portable) supported. Installation movie.
New, high performance, 64-bit application framework. Framework movie.
Managed libraries with versioning. Managed Libraries, librarian movie.
Software wide support for restricting use to managed libraries.
System Scope with Live Circuit Probing. System Scope movie
Proteus VSM for MicroPython.

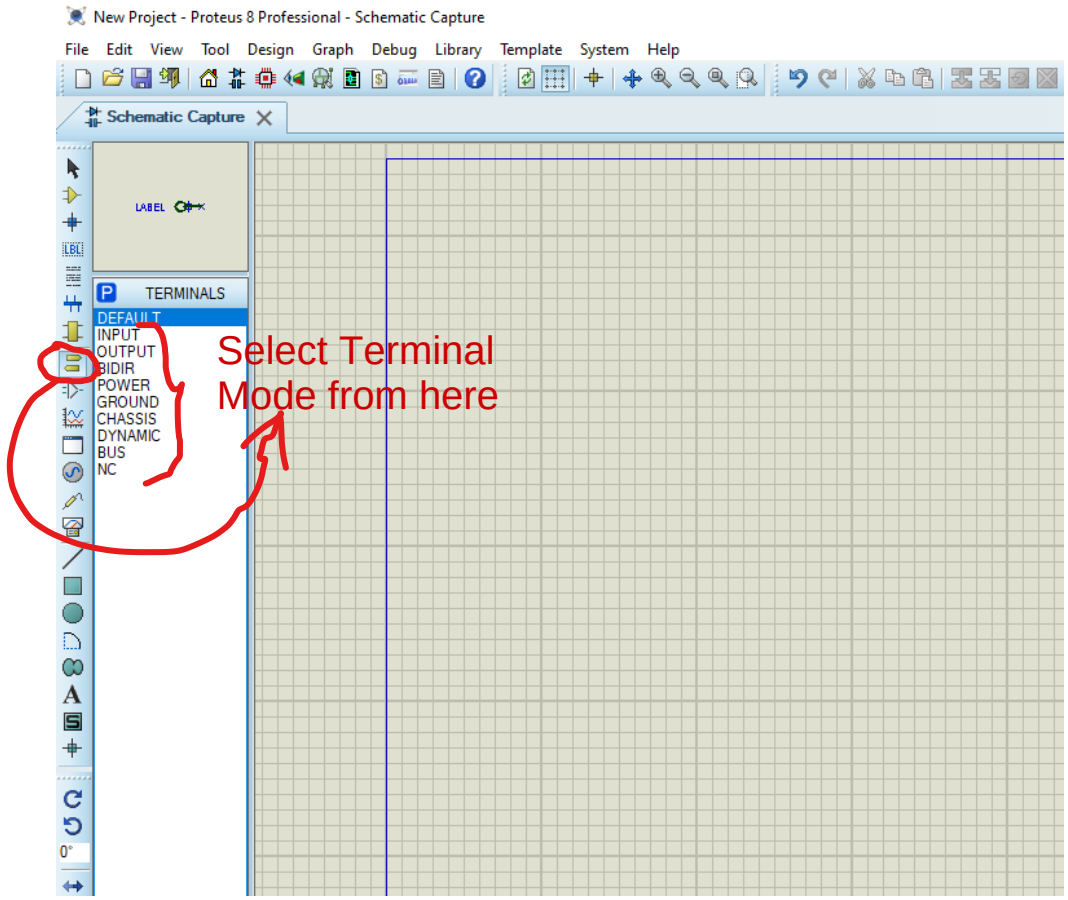

Open Project
New Project
New Flowchart
Open Sample
Recent Projects
New Project Wizard
No Firmware Project
Create Firmware Project
Create Flowchart Project
Family
PIC16
Controller
PIC16F877A
Compiler
MPASM (Proteus)
Compilers...
Create Quick Start Files
Create Peripherals
Select as shown
Back
Next
Cancel
Help
Click Next
News
Proteus Desig
New Version Av
Proteus Professio
Download
Ignore beta version updates

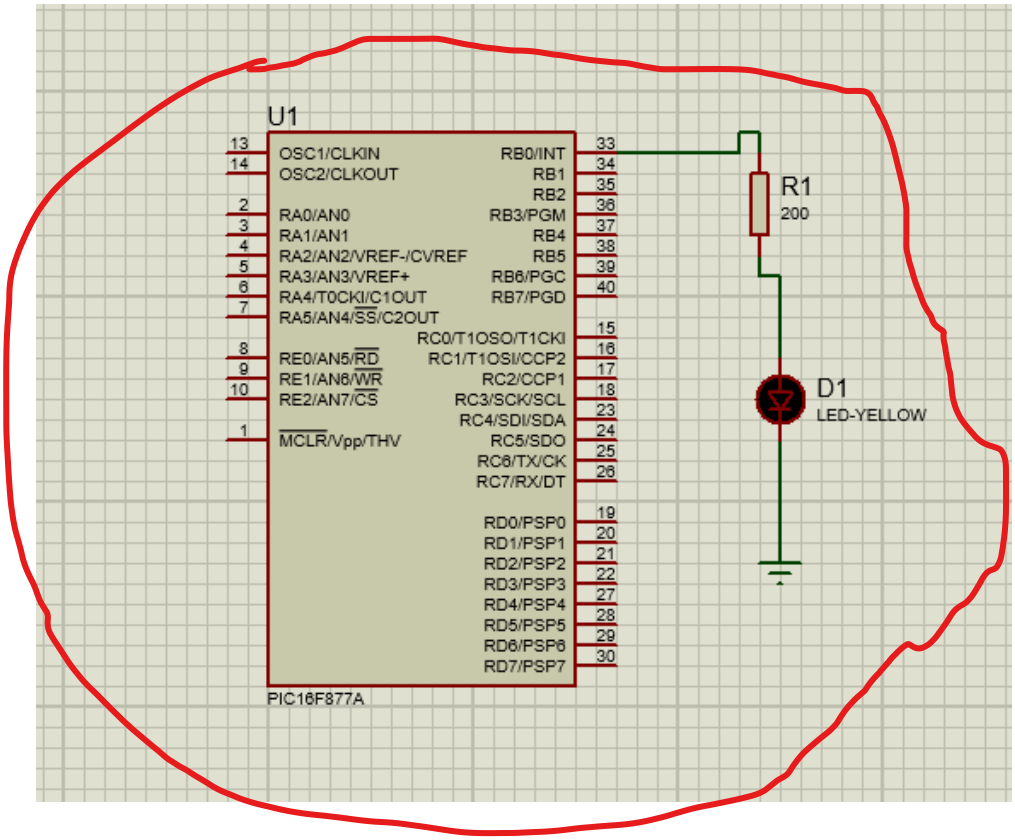

Open Project
New Project
New Flowchart
Open Sample
Recent Projects
New Project Wizard
Summary
Saving As: L:\Academic\Peripherals and Interfacing\Lab\Microcontroller-Interfacing-LAB\Practice\New Project.pdsprj
Schematic
Layout
Firmware
Details
Schematic template: C:\Program Files (x86)\Labcenter Electronics\Proteus 8 Professional\DATA\Templates\DEFAULT.DTF
No PCB layout
Firmware project: PIC16F877A compiled by MPASM (Proteus), autoplace processor on schematic
Click Finish
Back
Finish
Cancel
Help
News
Proteus Desig
New Version Av
Download
Ignore beta version updates
Proteus 9.0
Side by side installation with Proteus 8 (or portable) supported. Installation movie.
Software wide support for restricting use to managed libraries.


New Project - Proteus 8 Professional - Source Code
Schematic Capture
Source Code
PIC16F877A(U1)
Source Files
main.asm
; Main.asm file generated by New Project wizard
; Created: Sat May 24 2025
; Processor: PIC16F877A
; Compiler: MPASM (Proteus)
; DEFINITIONS
#include p16f877a.inc ; Include register definition file
; VARIABLES
; RESET and INTERRUPT VECTORS
; Reset Vector
RST code 0x0
goto Start
; CODE SEGMENT
PGM code
Start
; Write your code here
Loop
goto Loop
END
VSM Studio Output
Firmware file missing from the project directory: PIC16F877A_1/Debug/Debug.cof

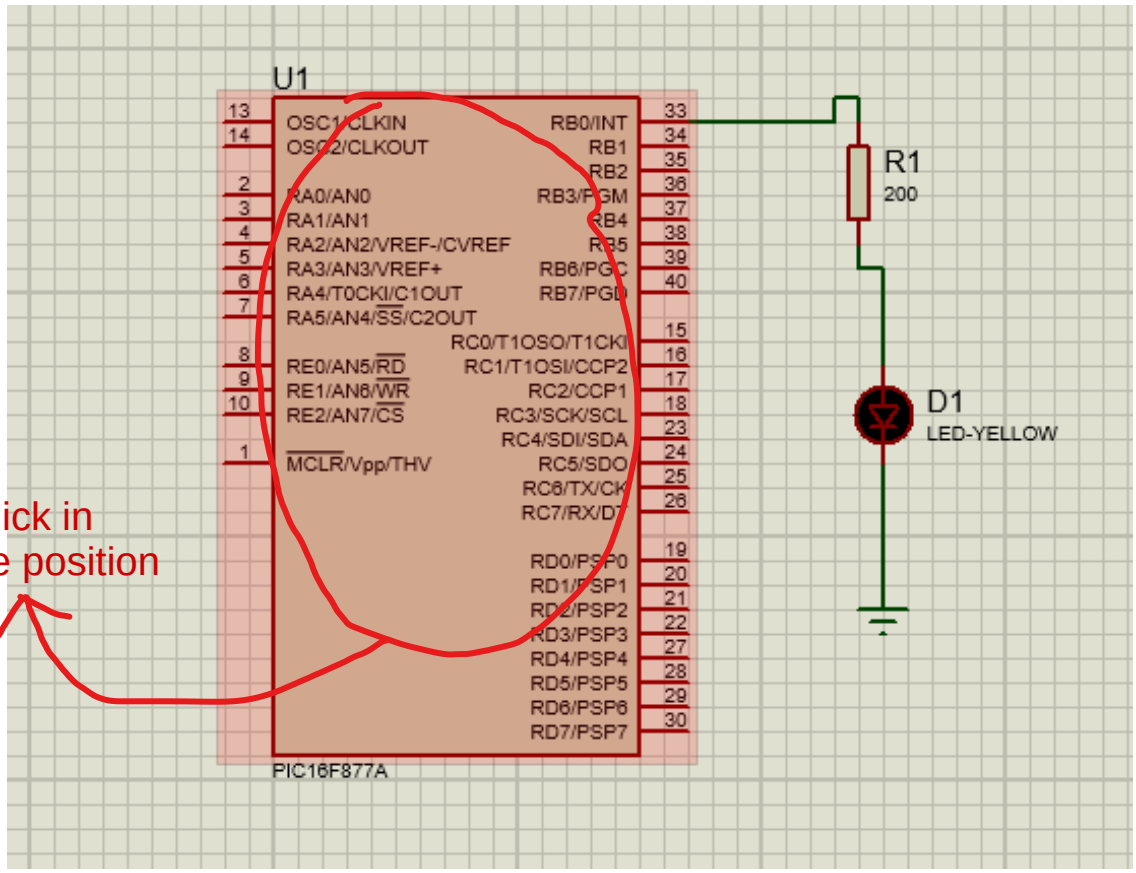

New Project - Proteus 8 Professional - Schematic Capture
File Edit View Tool Design Graph Debug Library Template System Help
Schematic Capture
DEVICES
Select Component Mode
Search From
Here by clicking P


Pick Devices
pic16f877a
Search by keyword
Click Ok after
Component
selection
0.6in
0.1in
1.9in
OK
Cancel

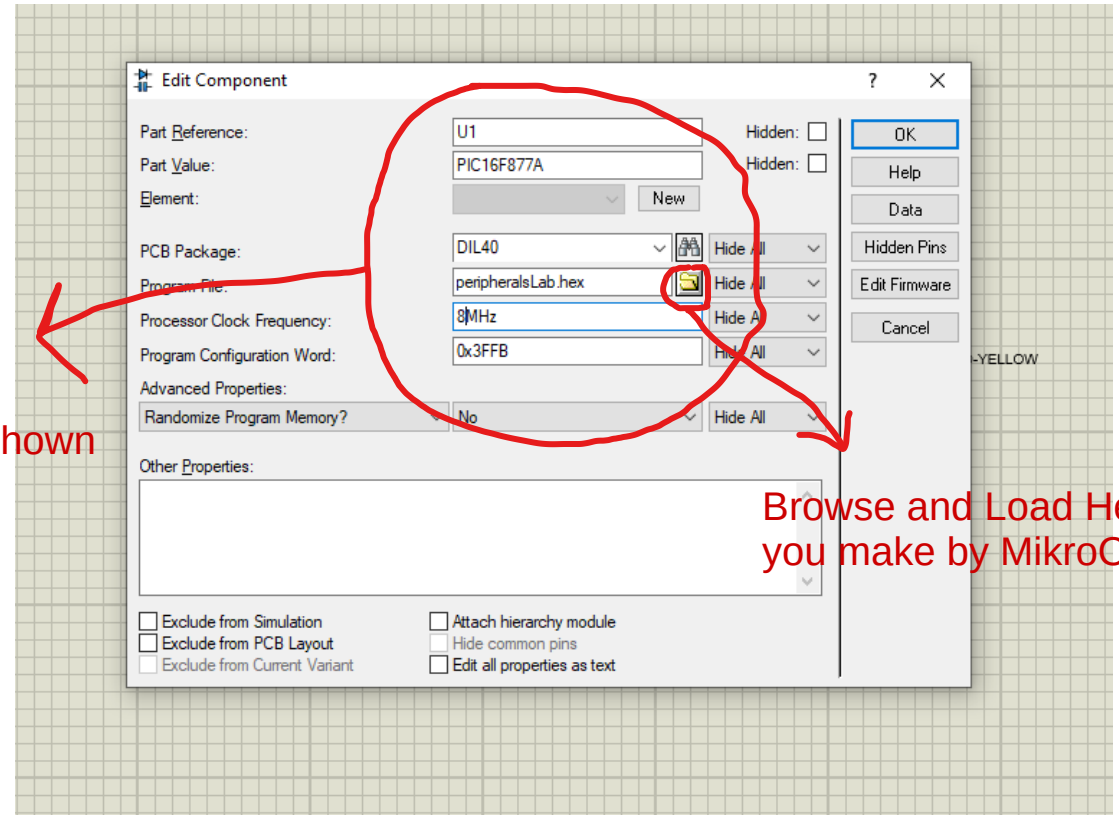




Make Circuit as shown here

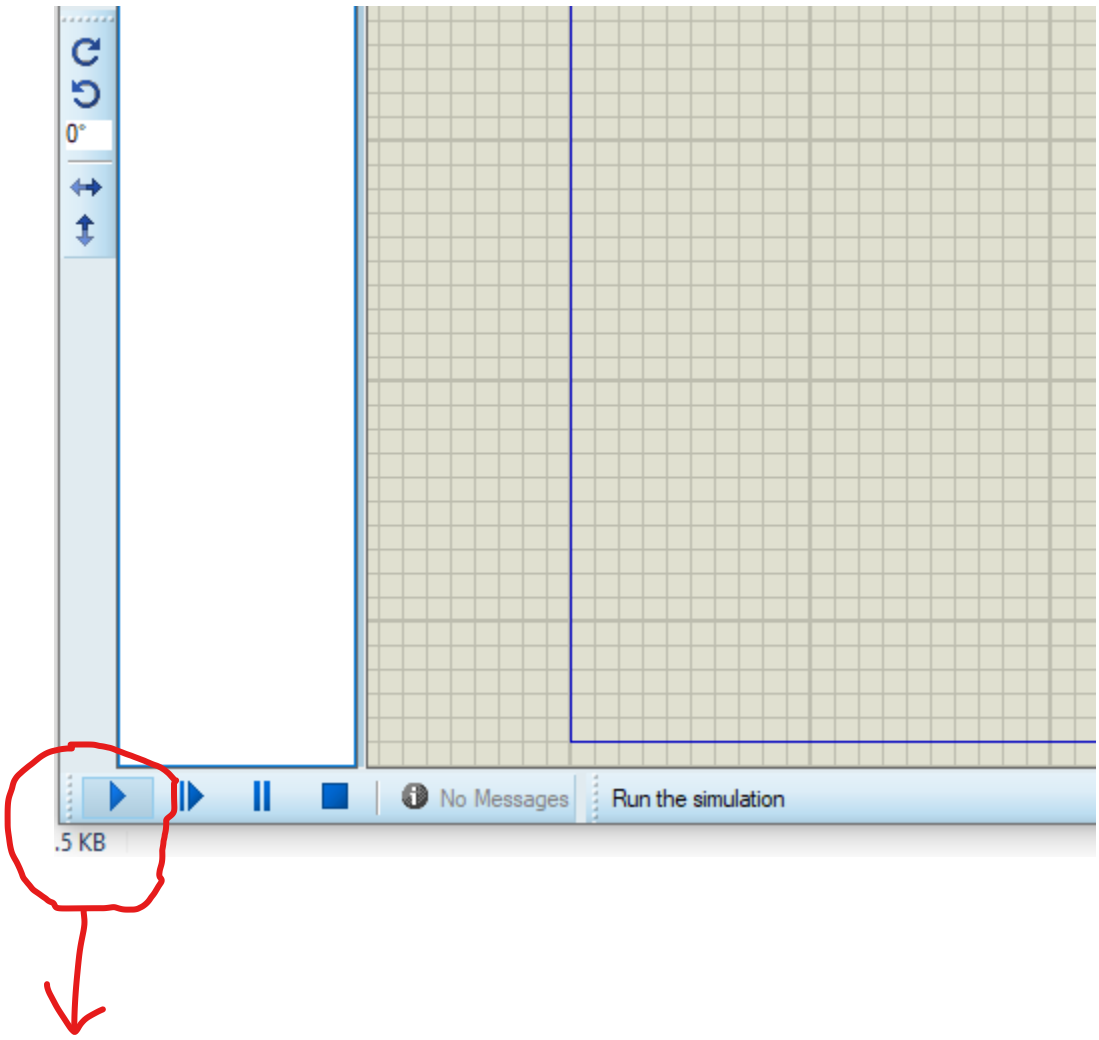


Double Click in
the middle position



Select as shown

Browse and Load Hex file that
you make by MikroC software



Run by Clicking here