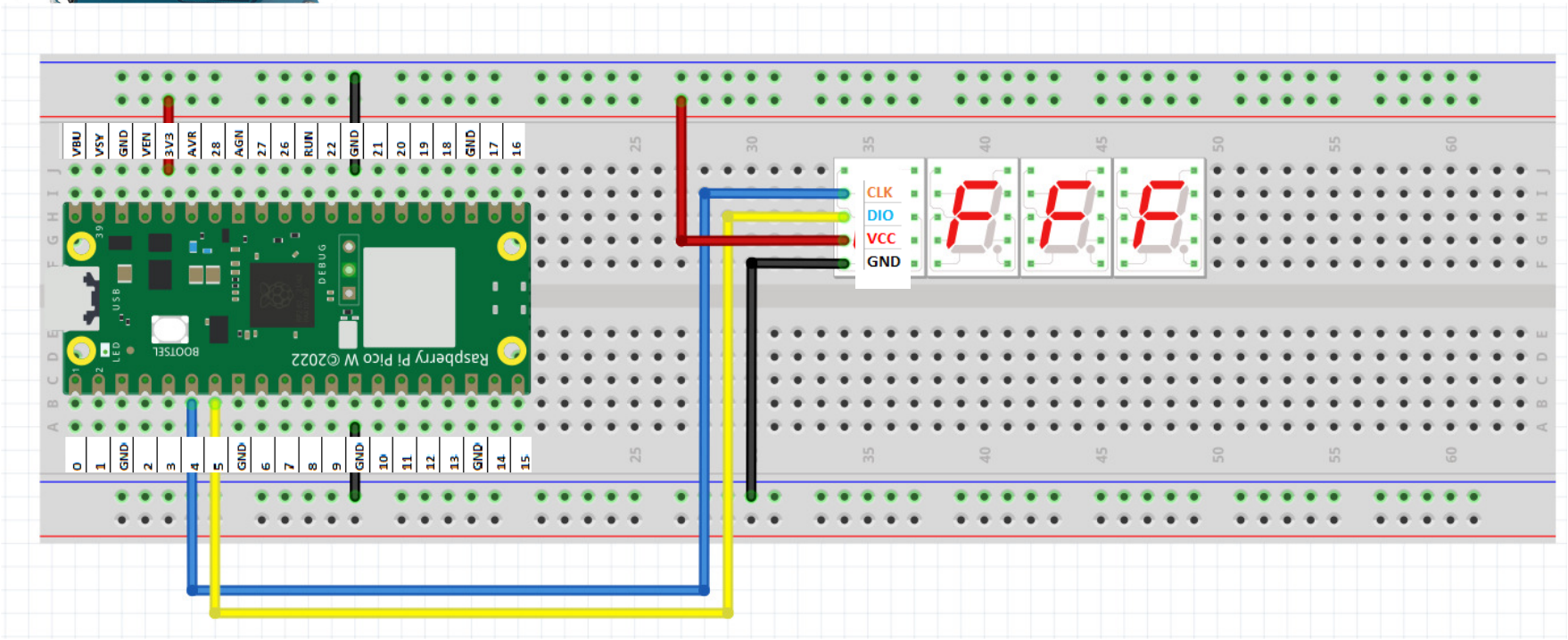
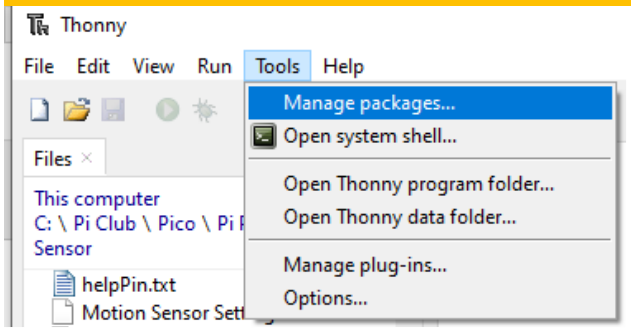
THE TM1637 7-SEGMENT DISPLAY

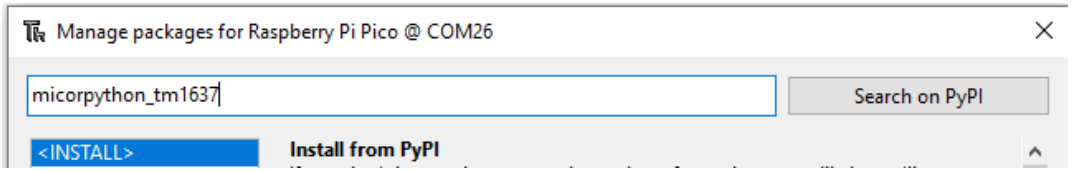


This component requires a special python library to run

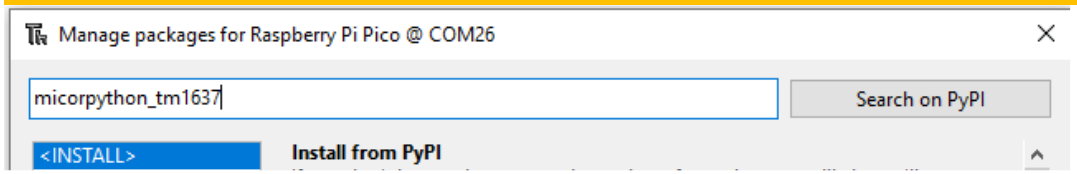
Connect the Pico to the Laptop
Launch Thonny
Select the Interpreter / Com Port
And
Follow these steps to download this library
Library/Package : micropython-tm1637

Step #1 Click Tools and Select Manage packages

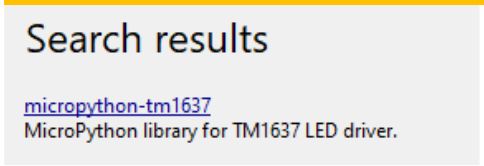




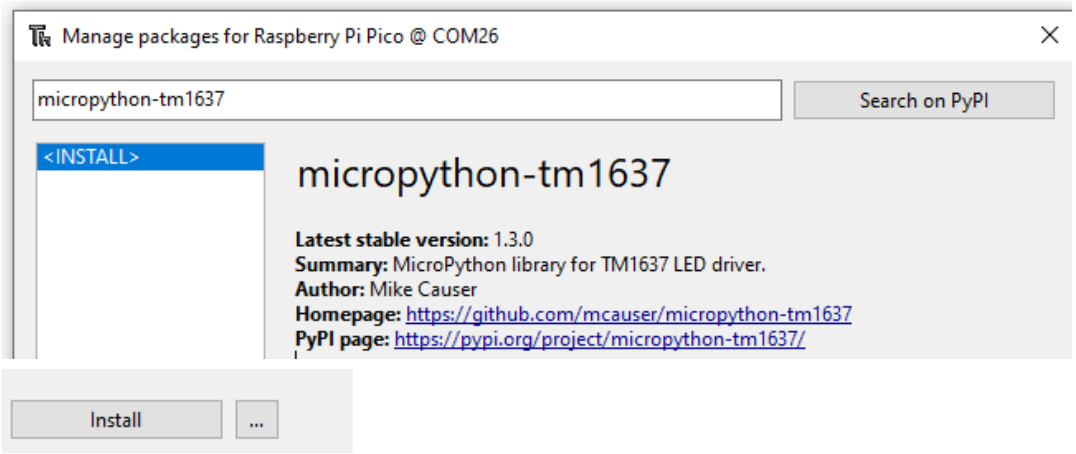
Step #2 Enter the package name in the search box - micropython_tm1637
Click the Search on PyPi button



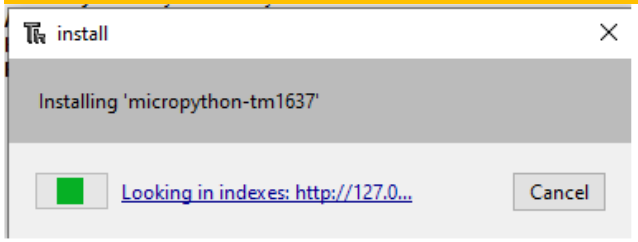
Step #3 Click micropython-tm1637 link to download and install the library/package.



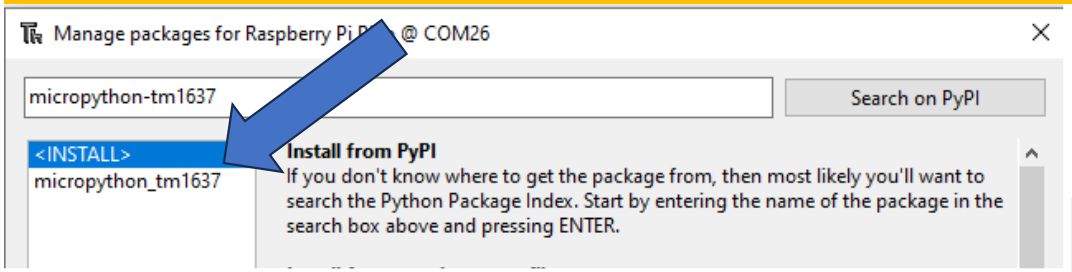
Step #4 Click Install



You will see the installation Progress Bar

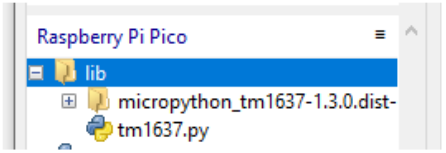


Once the installation is complete, the package will appear on the left pane as shown below



Click Close

You will see the tm1637.py package/library under the folder lib



You can now test the 7 Segment Display in the shell >>>

```
>>> from machine import Pin
>>> import tm1637
>>> tm = tm1637.TM1637(clk=Pin(4), dio=Pin(5))
>>> tm.show("HELP")
>>> tm.number(1234)
>>> tm.number(99)
```

Create a count up display in the editor and save it as test.py

```
import tm1637
from machine import Pin
tm = tm1637.TM1637(clk=Pin(5), dio=Pin(4))
for x in range(1,11,1):
    tm.number(x)
```

Create a count down display

For more examples: https://github.com/mcauser/micropython-tm1637
Click tm1637_test.py to view more examples