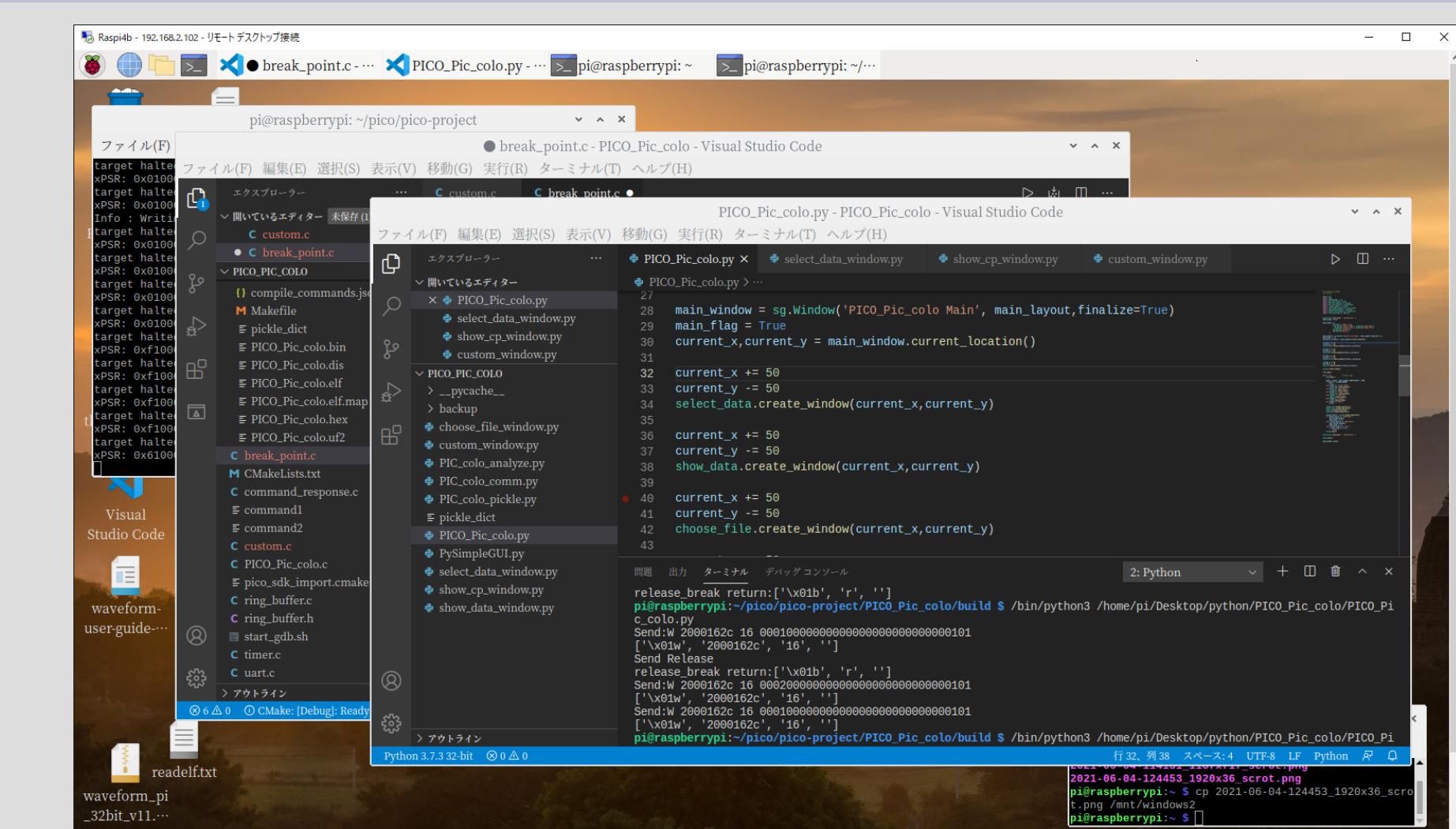


PICO_Pic_colo



How to setup PICO_Pic_colo?

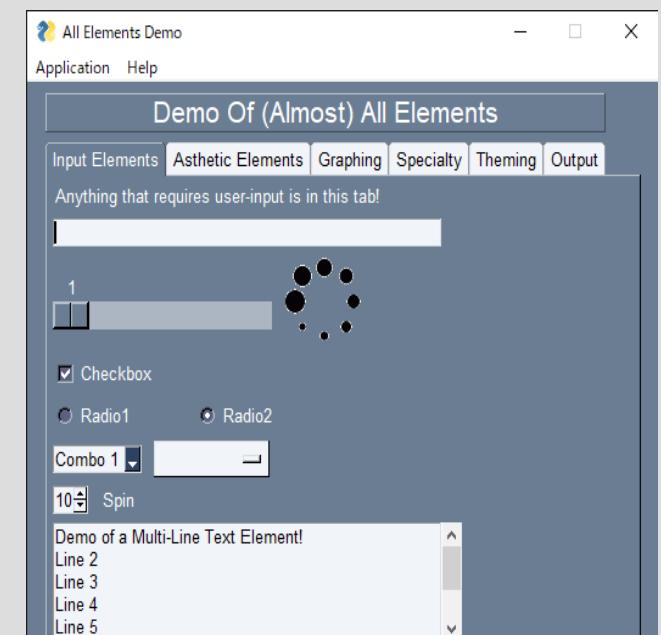
Released PICO_PIC_colo is Windows PC version.
So, we need Windows10 PC which instal Python3, PySimpleGUI
and **PICO development environment described at “Getting started with Rasberry Pi Pico section 9.2”**.
But executing program(like as “hello_world”) is unnecessary, if you complete building process, it is enough to setup.
And if you can run demoprogram of PySimpleGUI from VScode,
SETUP has done!

9.2. Building on MS Windows

Installing the toolchain on Microsoft Windows 10 is somewhat different to other platforms. However once installed, building code for the RP2040 is somewhat similar.

TIP

While Raspberry Pi does not directly support it there is a third-party installer script for Windows 10 that is roughly equivalent of the `pico-setup.sh` script for Raspberry Pi (see Chapter 1). More details at <https://github.com/ndabas/pico-setup-windows>.

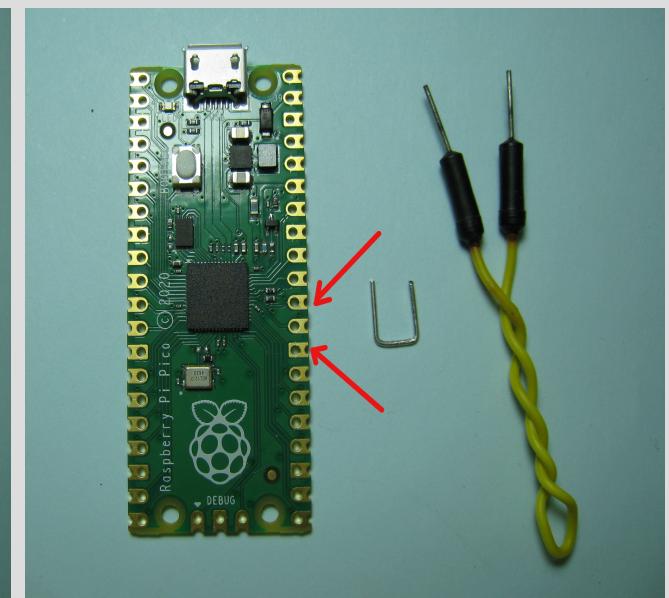
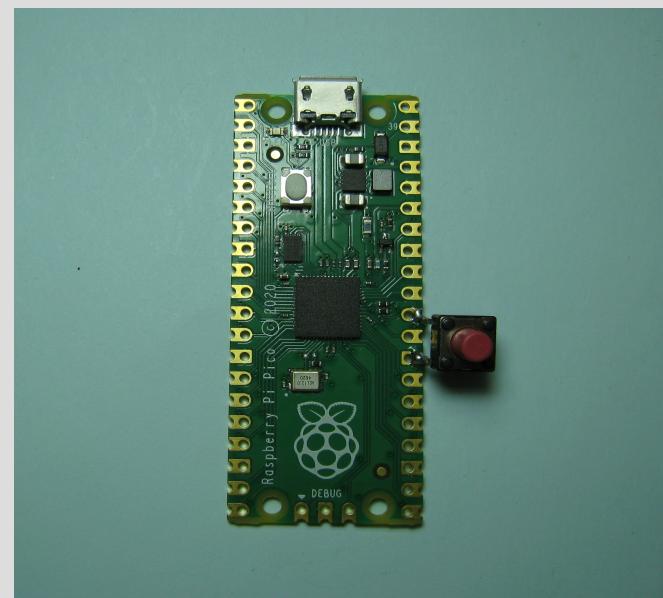


PICO_PIC_colo needs bare minimum



<== Micro USB cable
(Don't use Power Cable!)

PICO with reset SW is good.
↓ PICO with formed lead Wire
or jumper Wire is enough. ↓



decompress PICO_PIC_colo.zip

if you decompress PICO_PIC_colo.zip, you will get some files below.

Windows (C) > common > pico > current > PICO_PIC_colo > Python >		Windows (C) > common > pico > current > PICO_PIC_colo > PICO >	
名前	更新日時	名前	更新日時
.vscode	2021/06/13 10:05	.vscode	2021/06/13 10:03
custom_window.py	2021/06/14 18:20	build	2021/06/14 19:44
pickle_dict	2021/06/14 21:48	check_point.c	2021/06/14 18:51
PICO_PIC_colo.py	2021/06/14 18:27	check_point.h	2021/06/10 18:38
PICO_PIC_colo_analyze.py	2021/06/14 18:18	CMakeLists.txt	2021/06/14 19:20
PICO_PIC_colo_choose_file_window.py	2021/06/14 18:20	command_response.c	2021/06/13 19:34
PICO_PIC_colo_comm.py	2021/06/14 19:49	command1	2021/06/10 18:38
PICO_PIC_colo_pickle.py	2021/06/14 18:15	command2	2021/06/10 18:38
PICO_PIC_colo_select_data_window.py	2021/06/14 18:20	custom.c	2021/06/14 19:41
PICO_PIC_colo_show_cp_window.py	2021/06/14 21:47	PICO_PIC_colo.c	2021/06/14 21:48
PICO_PIC_colo_show_data_window.py	2021/06/14 19:49	pico_sdk_import.cmake	2021/06/10 18:38
PySimpleGUI.py	2021/06/10 18:39	ring_buffer.c	2021/06/13 16:50
		ring_buffer.h	2021/06/13 16:50
		start_gdb.sh	2021/06/14 18:57
		timer.c	2021/06/13 19:30
		uart.c	2021/06/13 19:38

Start PICO_PIC_colo

Please connect PC and PICO with USB cable. And Write PICO_PIC_colo/PICO/build/PICO_PIC_colo.uf2 into PICO folder.

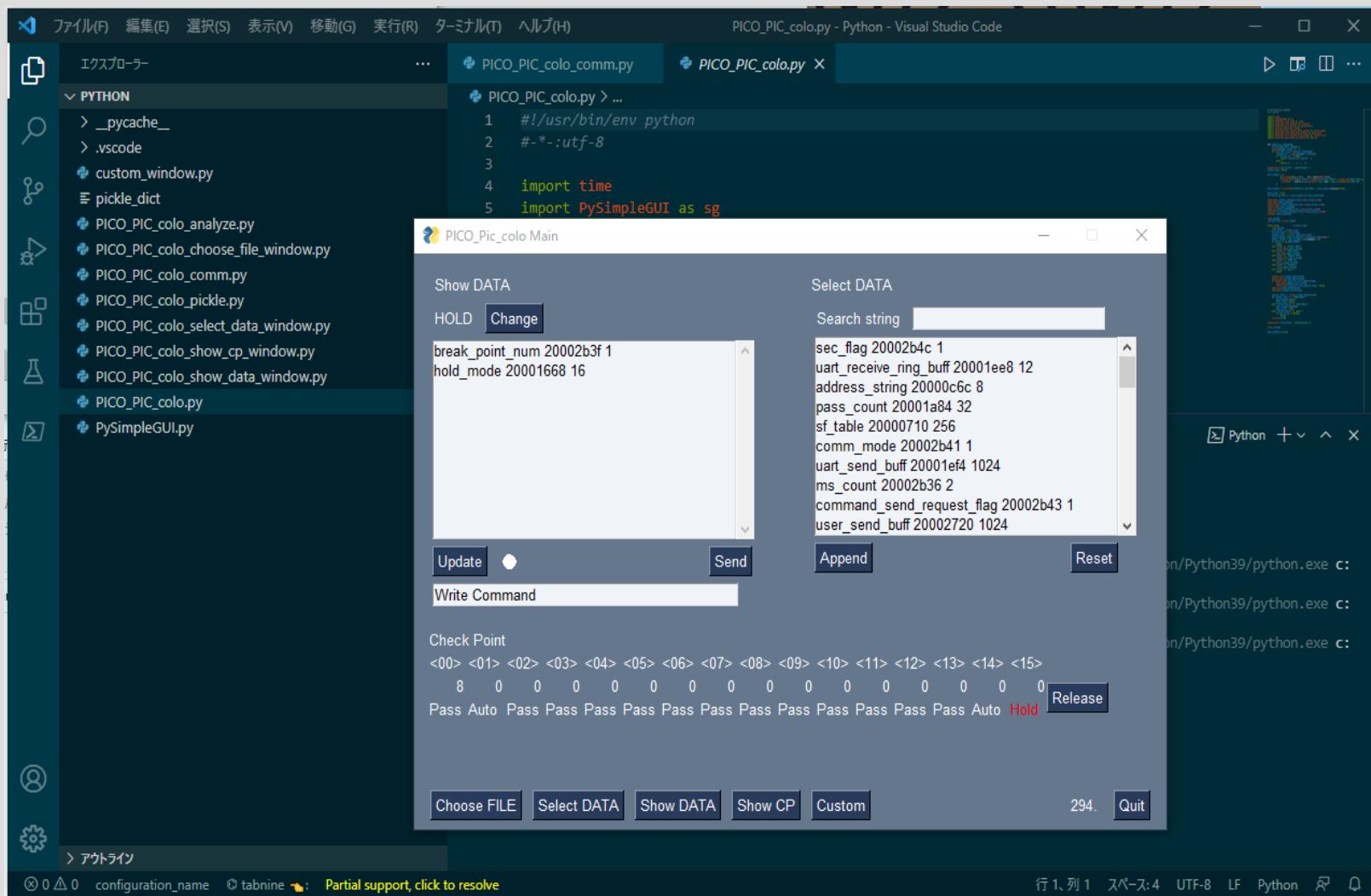
PICO starts Blinking, and you will find new COM port on PC side.

So, Open PICO_PIC_colo/Python folder from VScode, and edit port name in PICO_PIC_colo_comm.py (about line 15 near here).

And then, you may start PICO_PIC_colo.py from VScode
• • • I hope you will see next window

Appear PICO_PIC_colo Window !

if you click Show CP button, you will see check point list.



Next step is

How to debug your code in custom.c

I will describe howto in debugging_tutorial.pdf

n ~ I found a problem for next step.

PICO_PIC_col0 uses readelf.exe.

If you can call readelf.exe in command prompt,
nothing to do, but if you can't, you should
prepare readelf.exe like as below.

- 1) > cd gcc-arm-none-eabi-*** (gcc folder)
- 2) > copy bin/arm-none-eabi-readelf.exe PICO_PIC_col0/Python/readelf.exe

Thank you so much