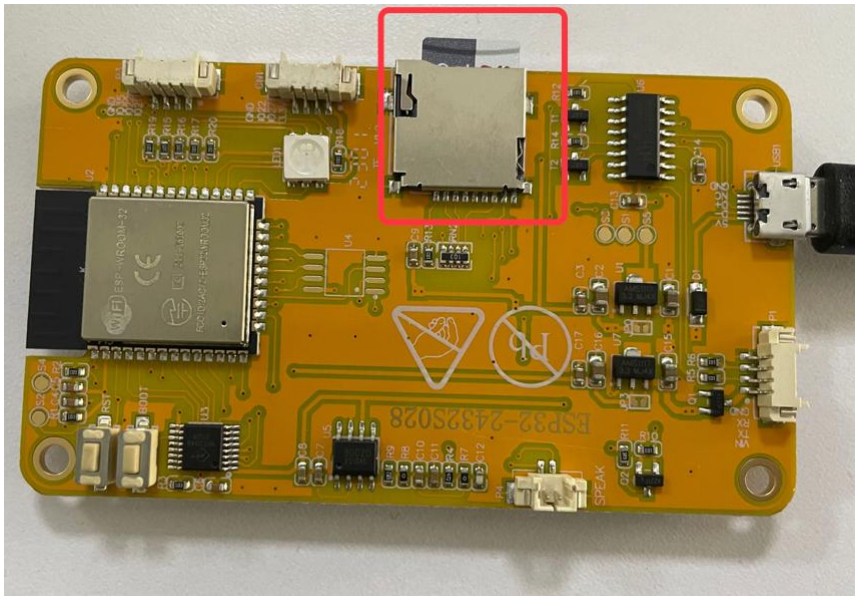
ESP32 2.8 inch TFT Touch Screen 240*320

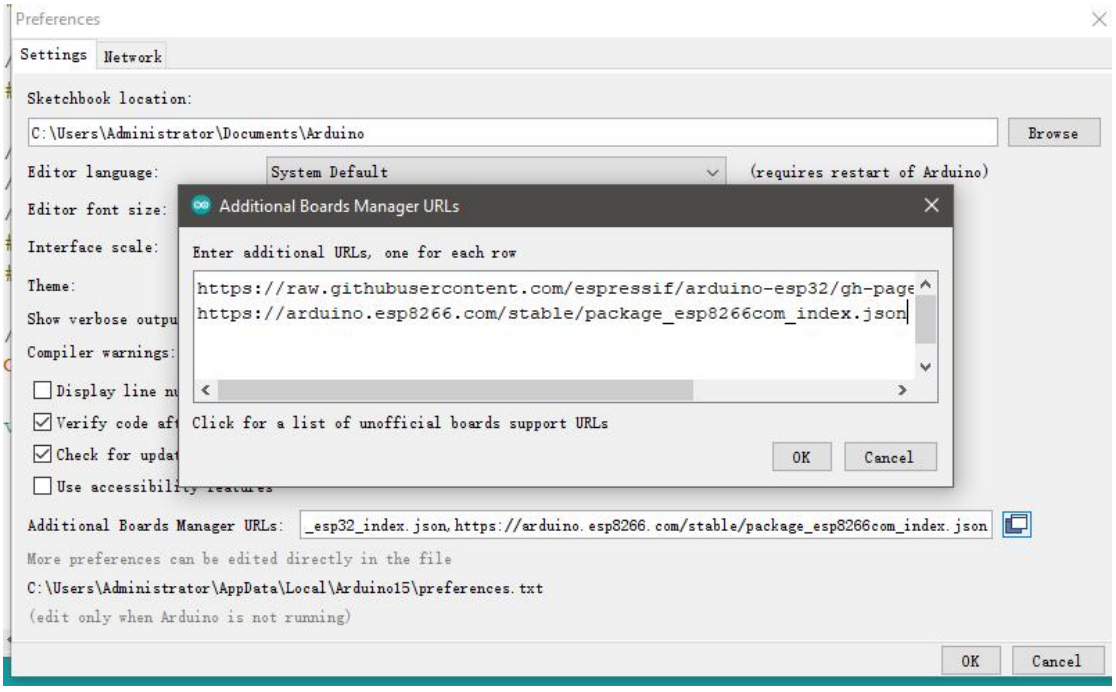
First Install TF Card



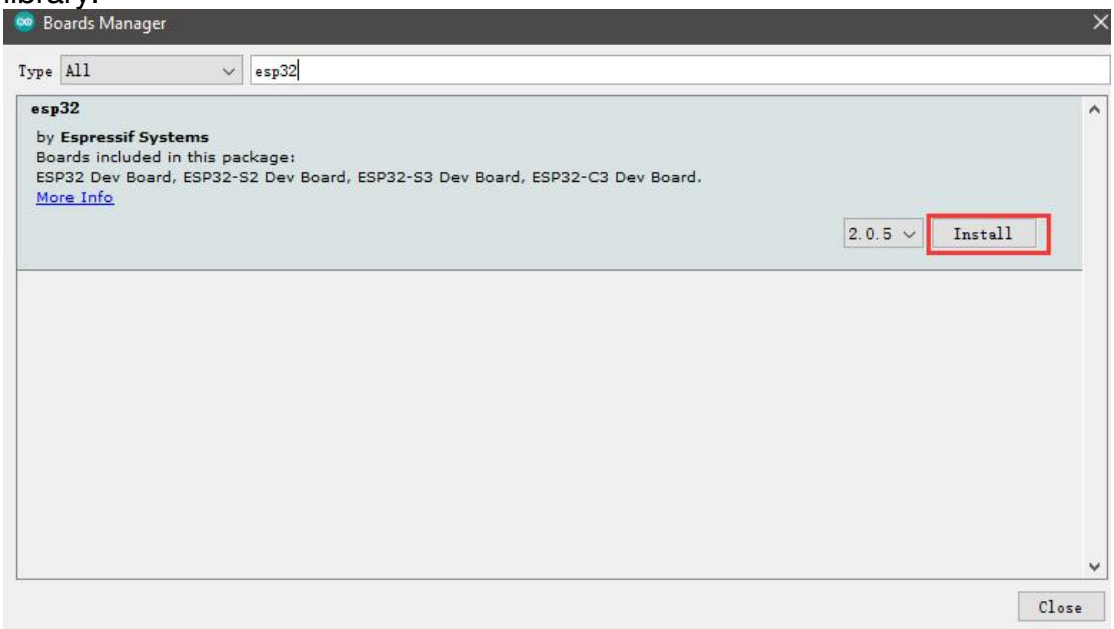
There are two ways to upload code to the screen:
1. uplode code via arduino IDE
2. upload code via espressif flash tool

Upload code via Arduino IDE:
Install the ESP32 boards

Select “File>Preferences>settings>Additional Boards Manager URLs” to fill the link: https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_dev_index.json

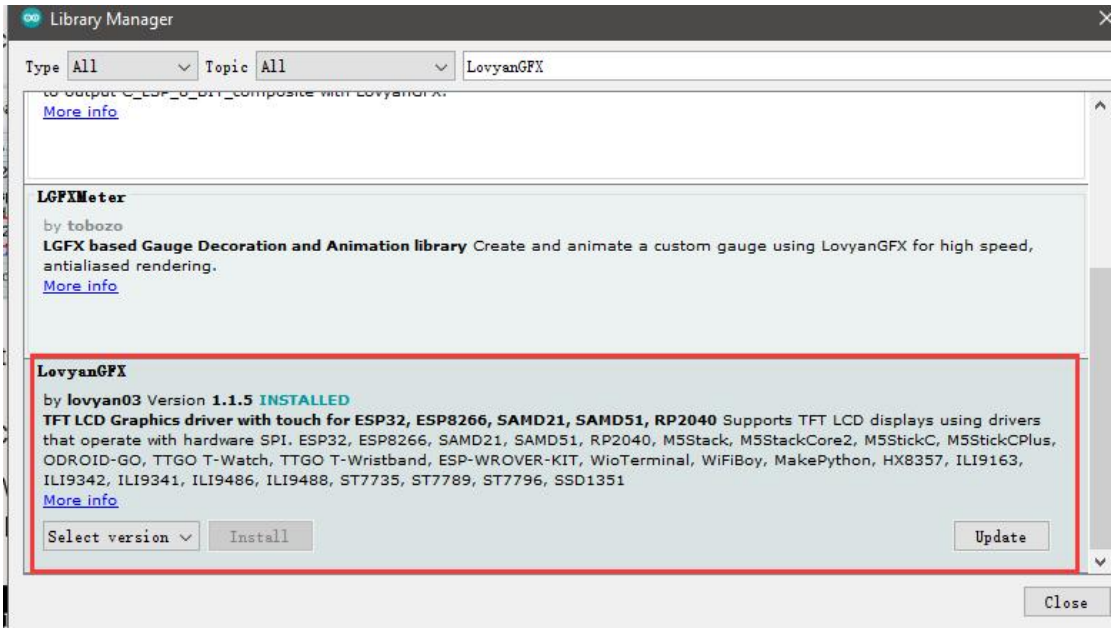


Click “Tools>Board>Boards Manager” to search for and install the ESP32 library:

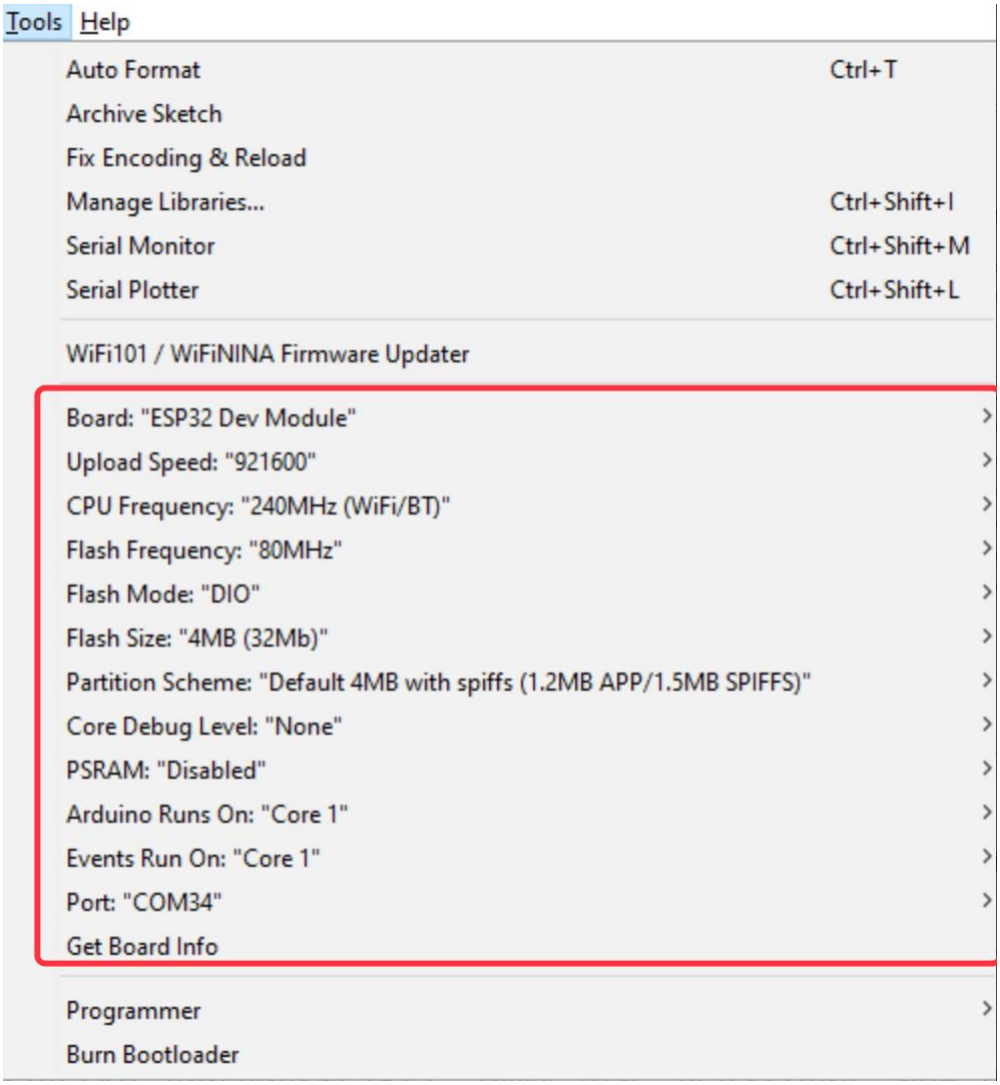


Install LovyanGFX

Click “Tools> Manager Libraries” to search for and install LovyanGFX library.



Select and set the parameter in the Tools menu, as the picture:

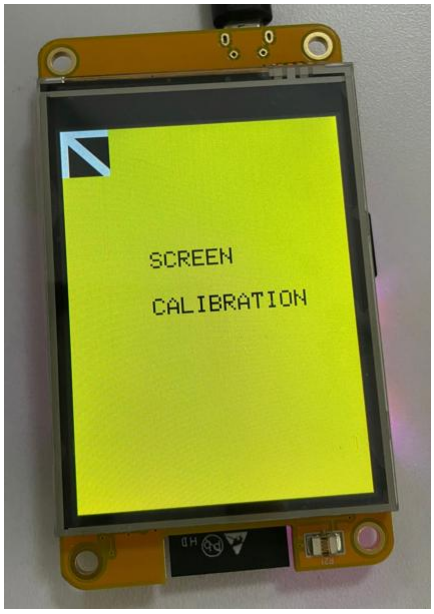


You can get the source code and bin file from below link:
https://tinyurl.com/ESP32-2432S028

Unzip the file and open it.

Verify and upload it.

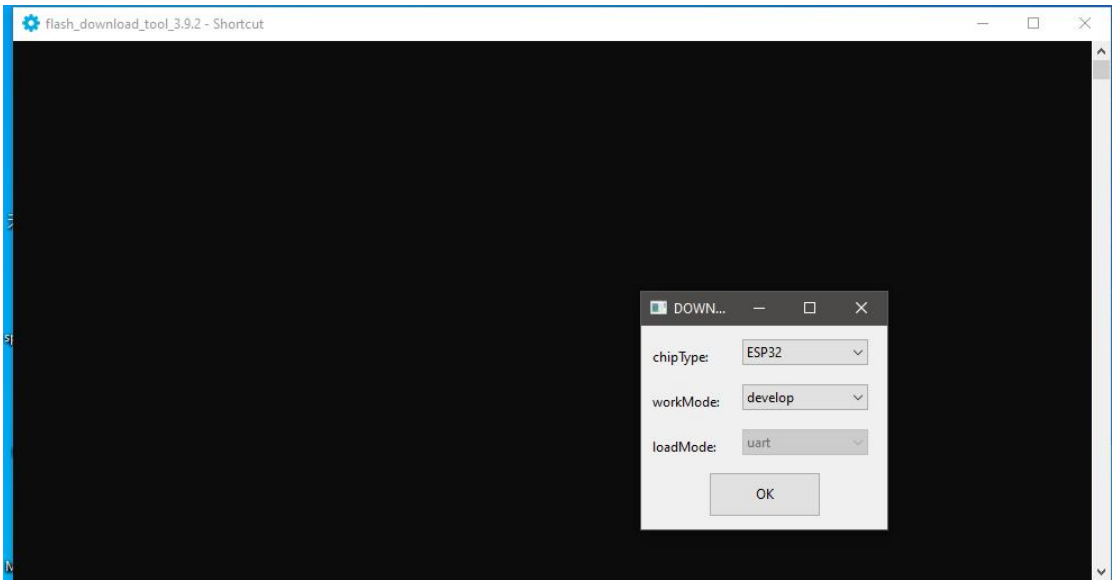
After uploading, the screen will be displayed as follows, you should click on the four corners in sequence.



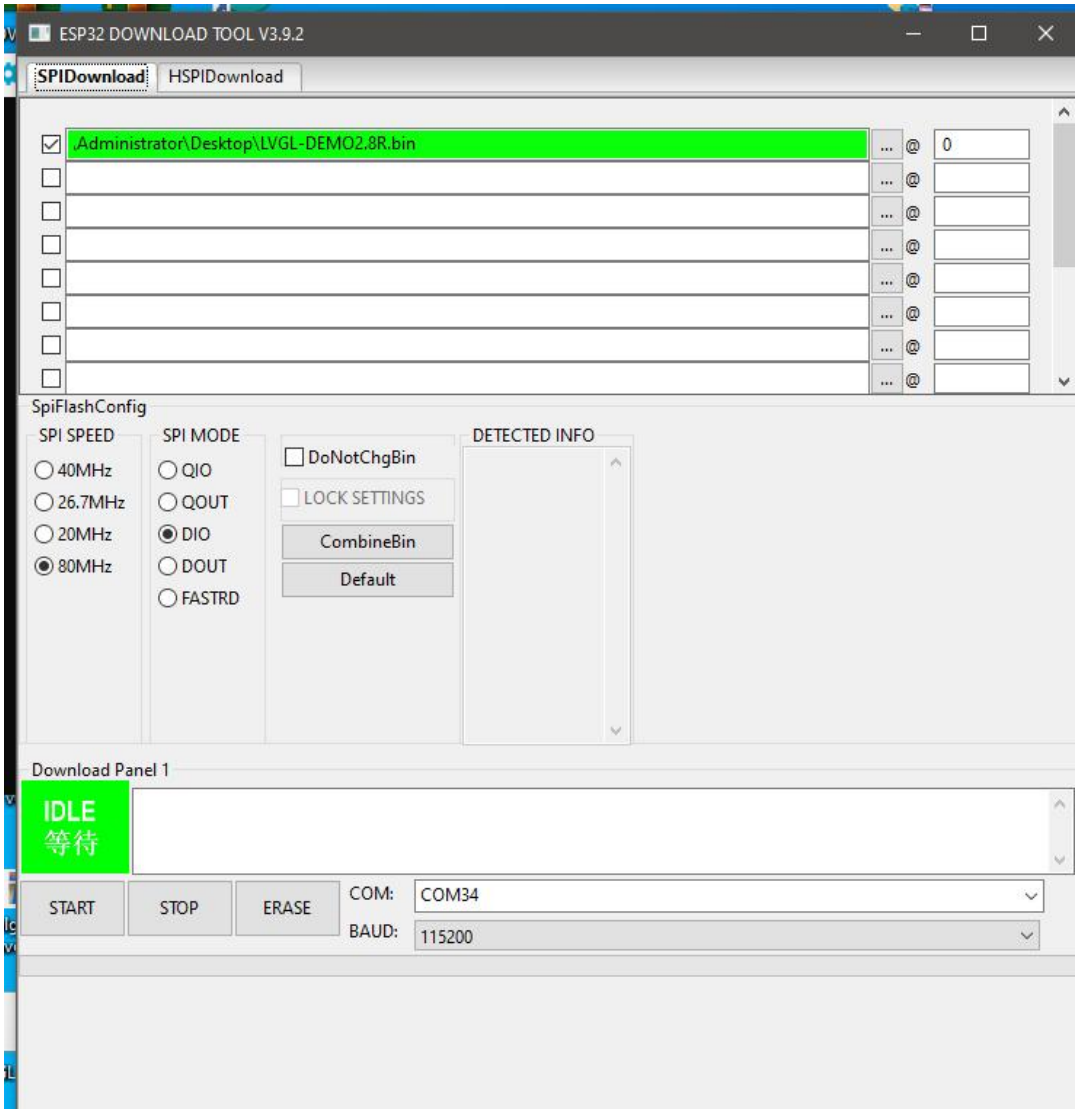
Flash screen with espressif tool

Flash Tool Download link:
https://www.espressif.com.cn/en/support/download/other-tools

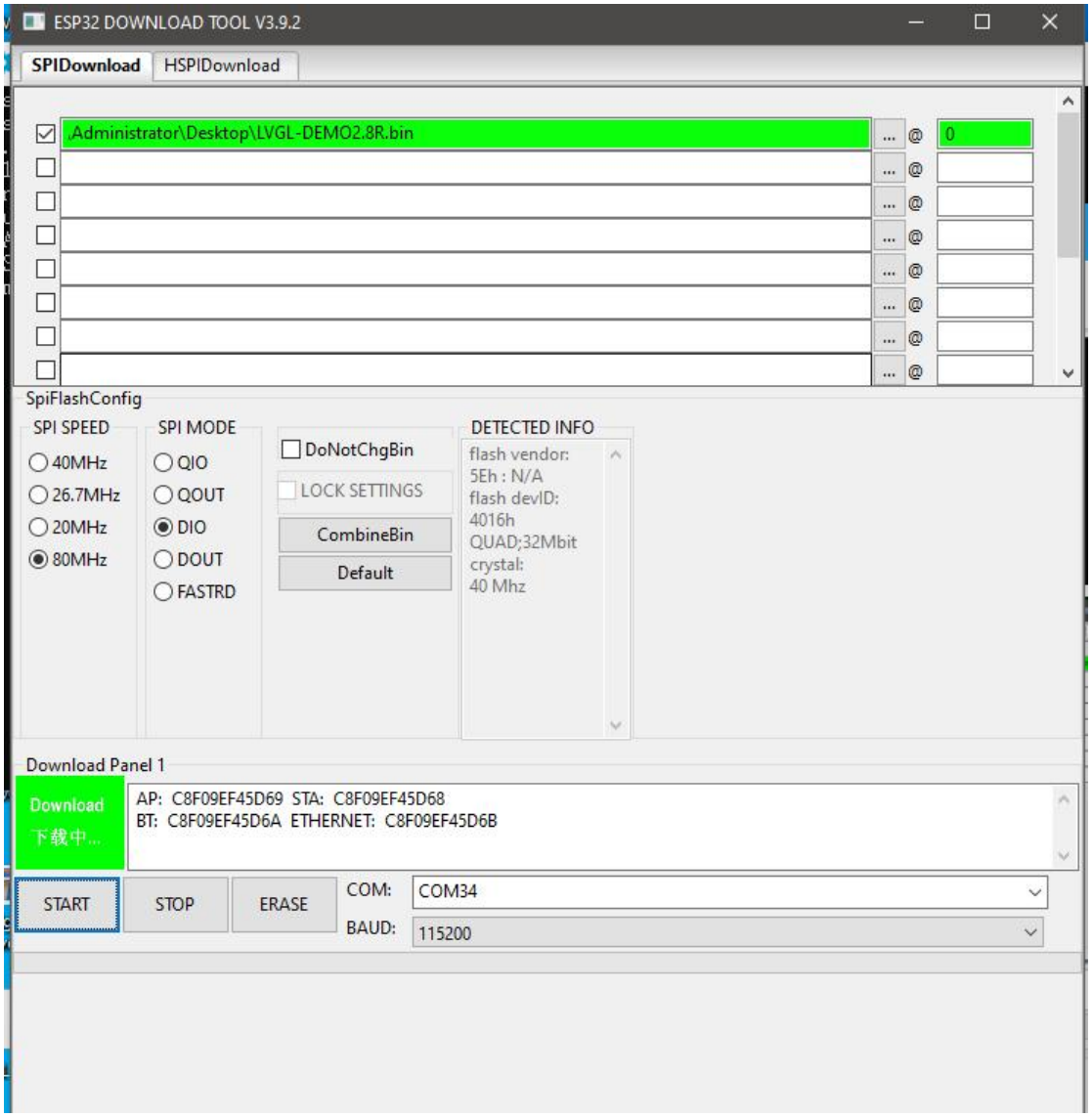
Open tool:



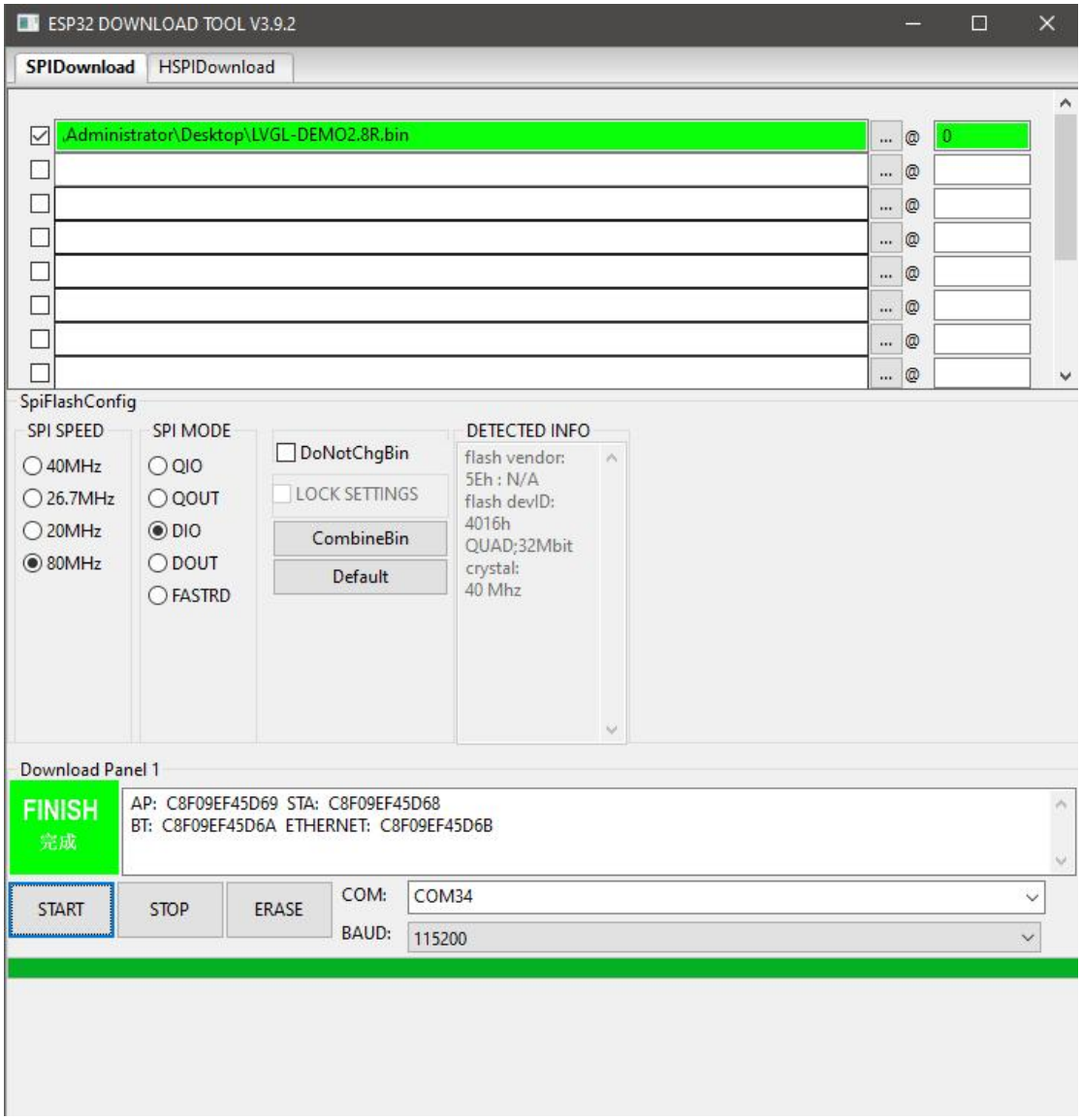
Choose bin file, make setting as below:


ESP32 DOWNLOAD TOOL V3.9.2
SPIDownload
HSPIDownload
:Administrator\Desktop\LVGL-DEMO2.8R.bin
SpiFlashConfig
SPI SPEED
40MHz
26.7MHz
20MHz
80MHz
SPI MODE
QIO
QOUT
DIO
DOUT
FASTRD
DoNotChgBin
LOCK SETTINGS
CombineBin
Default
DETECTED INFO
Download Panel 1
IDLE
等待
START
STOP
ERASE
COM:
COM34
BAUD:
115200

Click START


ESP32 DOWNLOAD TOOL V3.9.2
SPIDownload
HSPIDownload
,Administrator\Desktop\LVGL-DEMO2.8R.bin
0
SpiFlashConfig
SPI SPEED
40MHz
26.7MHz
20MHz
80MHz
SPI MODE
QIO
QOUT
DIO
DOUT
FASTRD
DoNotChgBin
LOCK SETTINGS
CombineBin
Default
DETECTED INFO
flash vendor:
5Eh : N/A
flash devID:
4016h
QUAD;32Mbit
crystal:
40 Mhz
Download Panel 1
Download
下载中...
AP: C8F09EF45D69 STA: C8F09EF45D68
BT: C8F09EF45D6A ETHERNET: C8F09EF45D6B
START
STOP
ERASE
COM:
COM34
BAUD:
115200

Finish


ESP32 DOWNLOAD TOOL V3.9.2
SPIDownload
HSPIDownload
,Administrator\Desktop\LVGL-DEMO2.8R.bin
0
SpiFlashConfig
SPI SPEED
40MHz
26.7MHz
20MHz
80MHz
SPI MODE
QIO
QOUT
DIO
DOUT
FASTRD
DoNotChgBin
LOCK SETTINGS
CombineBin
Default
DETECTED INFO
flash vendor:
5Eh : N/A
flash devID:
4016h
QUAD;32Mbit
crystal:
40 Mhz
Download Panel 1
FINISH
完成
AP: C8F09EF45D69 STA: C8F09EF45D68
BT: C8F09EF45D6A ETHERNET: C8F09EF45D6B
START
STOP
ERASE
COM:
COM34
BAUD:
115200

After finish flashing, unplug micro USB, then plug, it will show as below:

