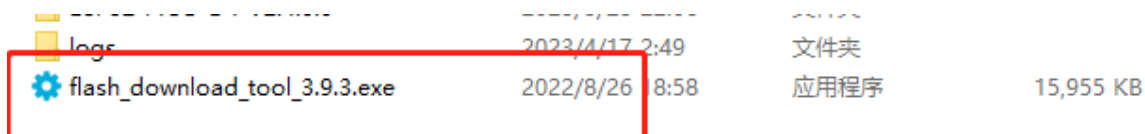


ESP32固件下载说明

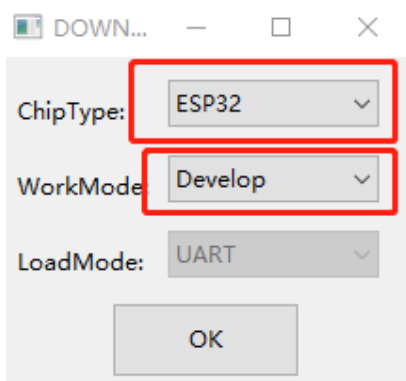
1. 安装CH340驱动，按照连接下载和安装

https://www.wch.cn/downloads/CH343SER_EXE.html

2. 下载flash_download_tool_3.9.3并运行flash_download_tool_3.9.3.exe



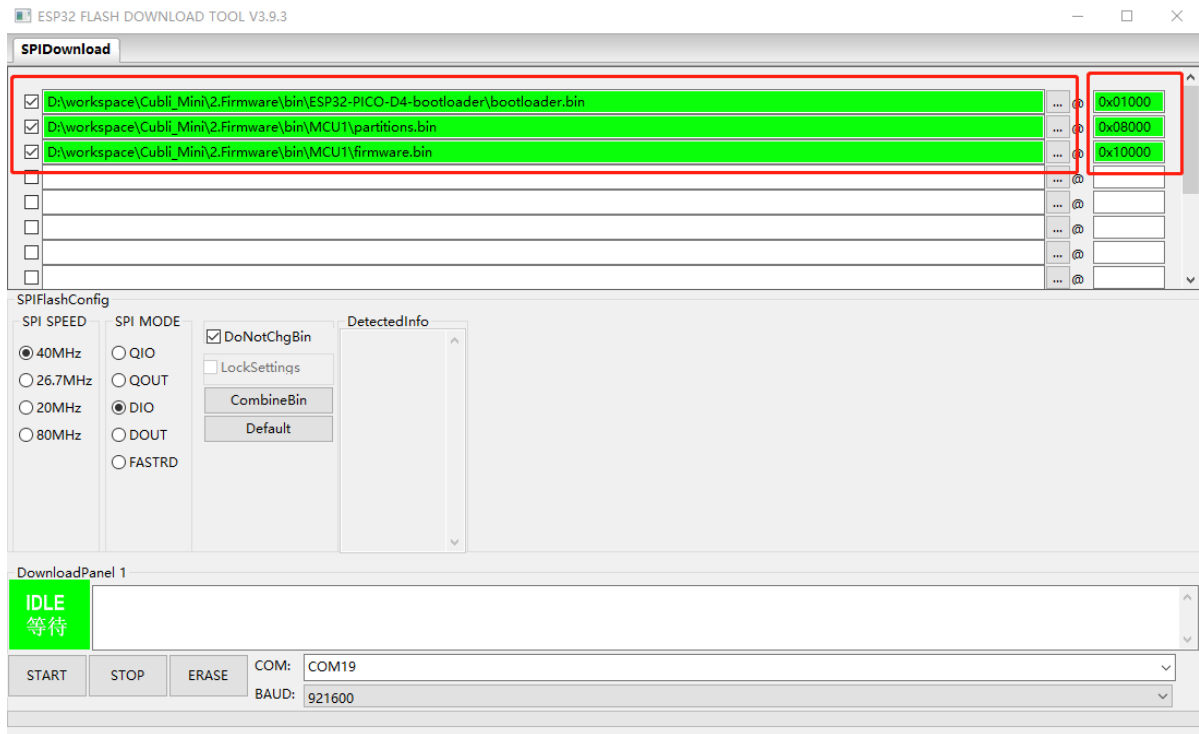
3. 在弹出的窗口中选择“ESP32”和“Develop”，然后点“OK”



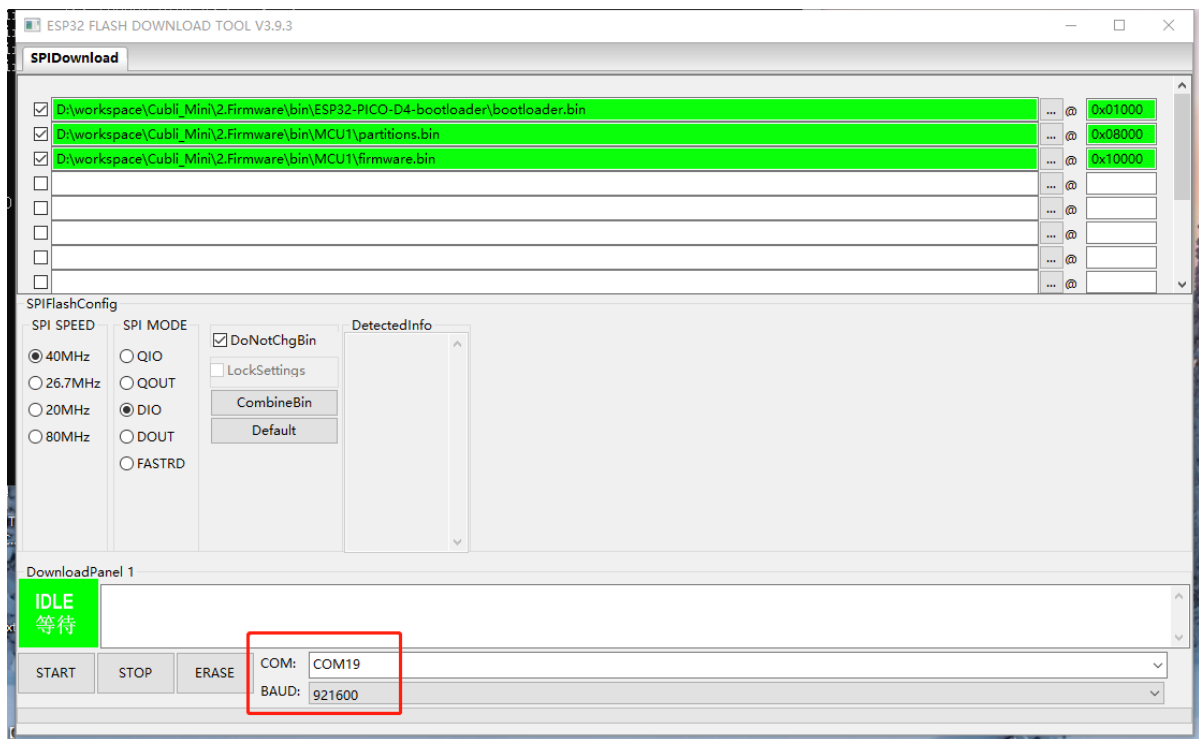
4. 在下载界面中，分别选择bootloader, partitions.bin, firmware.bin。这3个bin文件路径下表有说明

bin文件名	flash地址	提供编译好的文件路径	自己编译的文件路径
bootloader.bin	0x01000	2.Firmware\bin\ESP32-PICO-D4-bootloader\	无
partitions.bin	0x08000	2.Firmware\bin\MCU1	2.Firmware\Mcu1\pio\build\pico32\
firmware.bin	0x10000	2.Firmware\bin\MCU1	2.Firmware\Mcu1\pio\build\pico32\

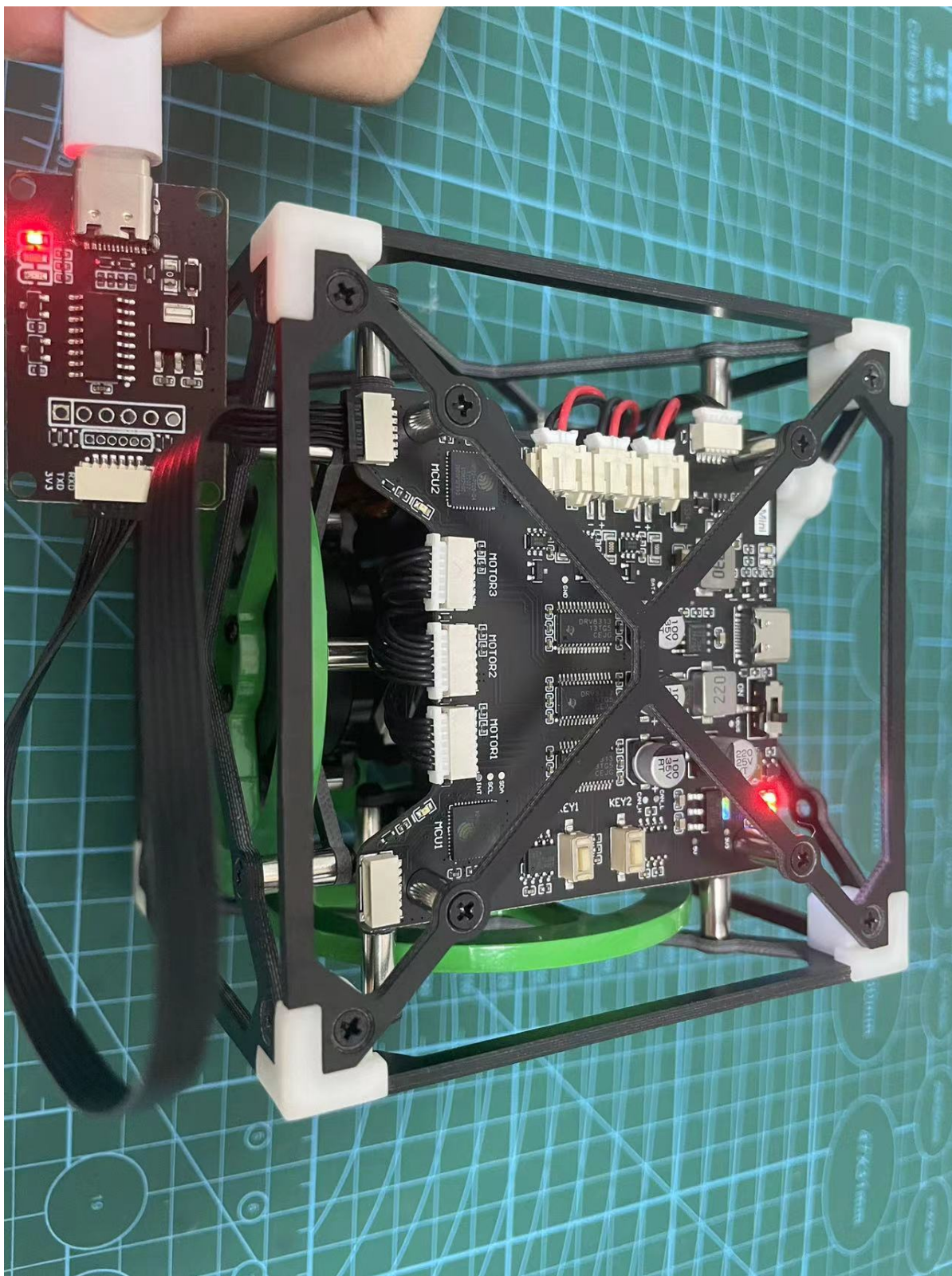
MCU2同上，图



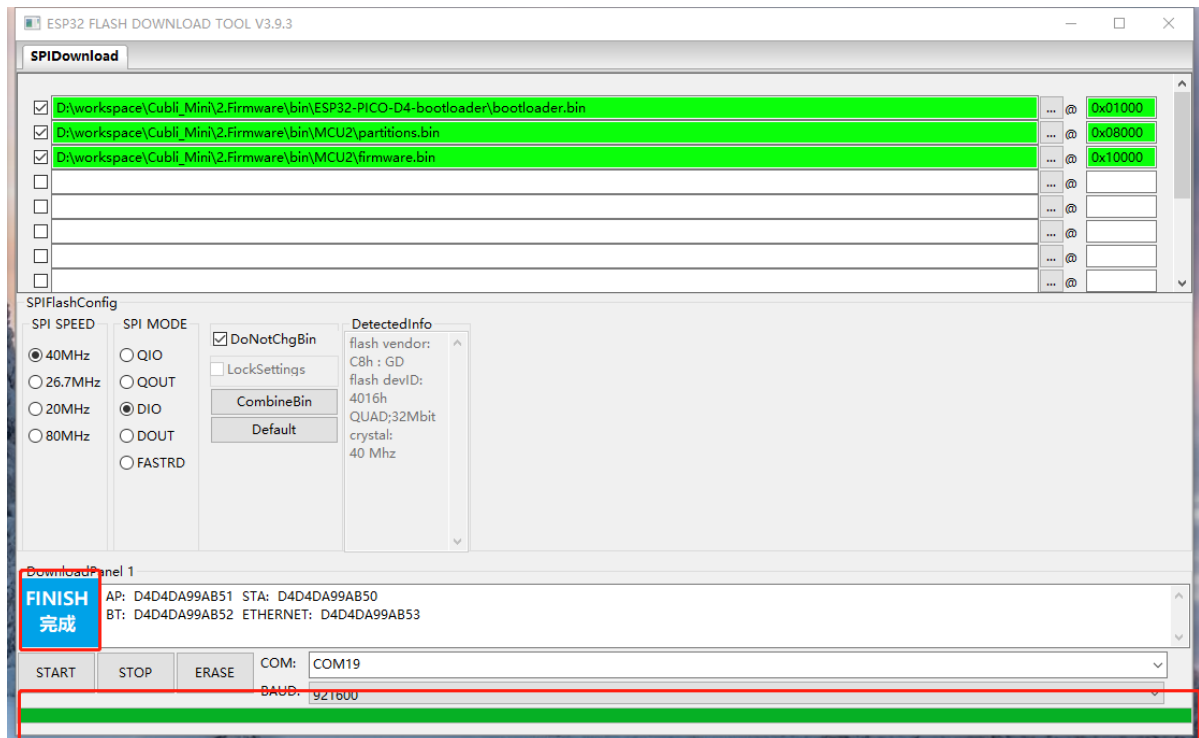
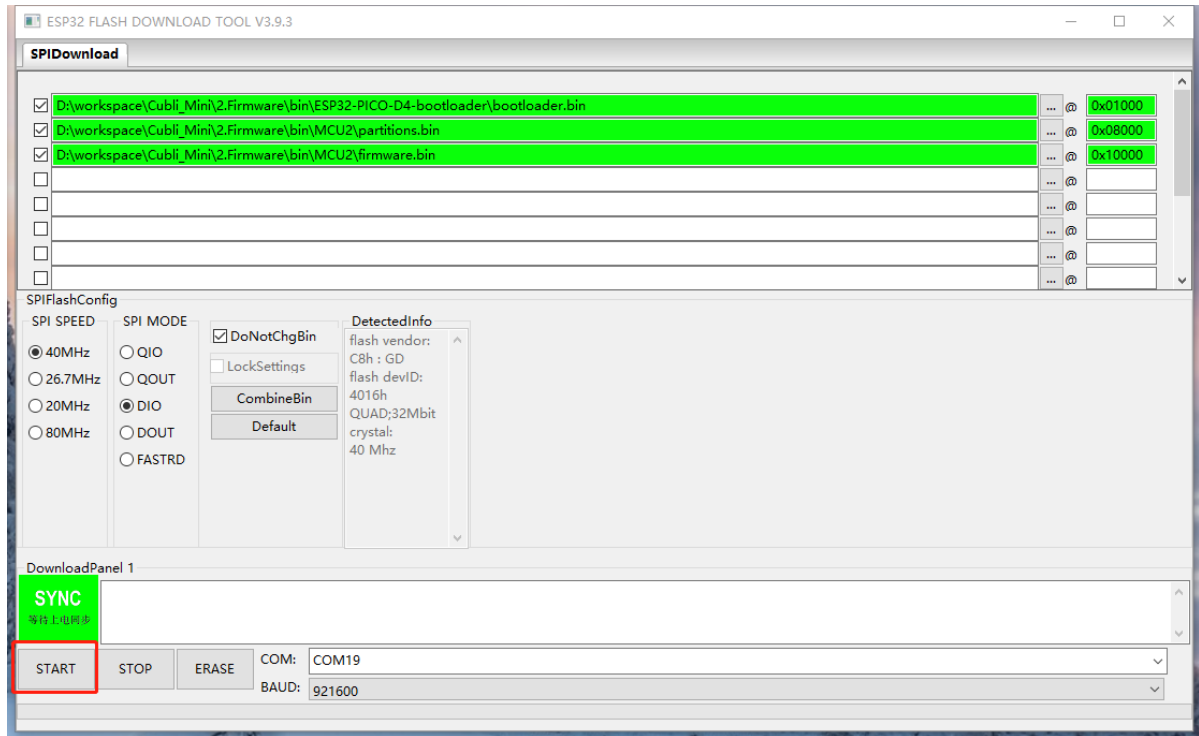
5. 选择下载器对应的端口号和波特率



6. 把下载器与主控MCU下载口用6PIN线连接到一起



7. 点击下载按钮，等到进度条完成即可下载完成，下载的log也可查看与软件对应一起打开的cmd窗口，主控需要下载MCU1和MCU2的固件



```
C:\Users\Administrator\Desktop\flash_download_tool_3.9.3\flash_download_tool_3.9.3.exe
Stub running...
Changing baud rate to 921600
Changed.
FLASH_CRYPT_CNT 0
ABS_DONE_0 False
Compressed 27904 bytes to 17323...
Compressed 3072 bytes to 128...
Compressed 281728 bytes to 156824...

is stub and send flash finish
test offset : 4096 0x1000
case ok
test offset : 32768 0x8000
case ok
test offset : 65536 0x10000
case ok
.
Uploading stub...
Running stub...
Stub running...
Changing baud rate to 921600
Changed.
FLASH_CRYPT_CNT 0
ABS_DONE_0 False
Compressed 27904 bytes to 17323...
Compressed 3072 bytes to 128...
Compressed 281728 bytes to 156824...

is stub and send flash finish
```