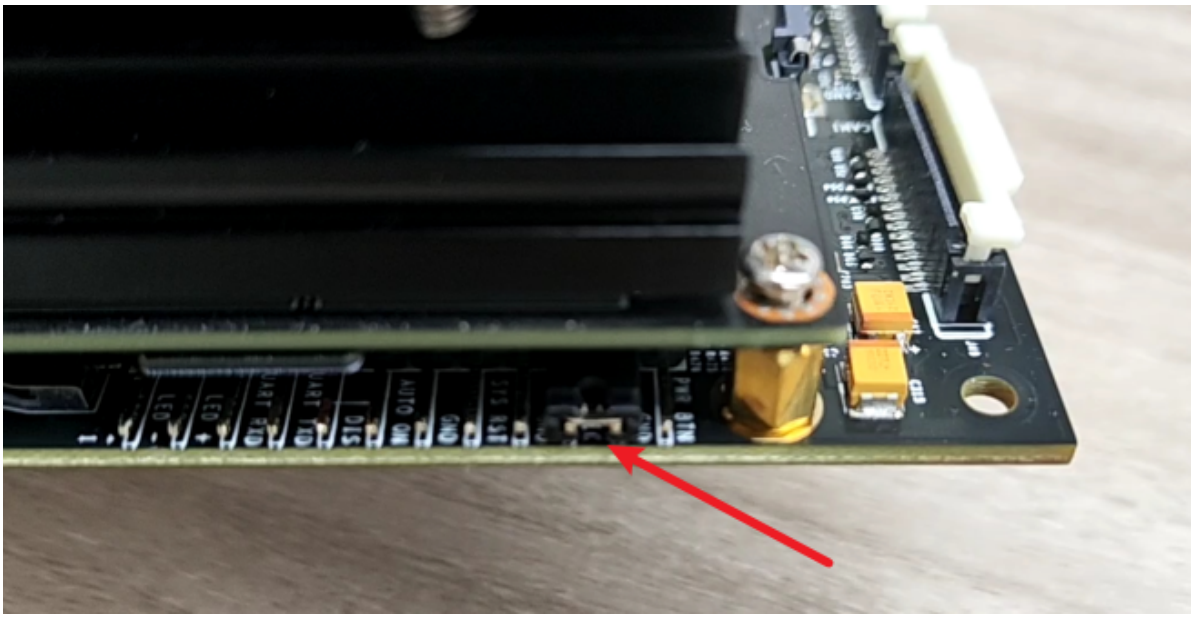
Write TF card boot

****Note: When purchasing a Jetson Nano B01 (sub) with a TF card, the factory image is the TF card system disk boot. The carrier board can be directly booted by inserting the TF card. Unless there are special circumstances, there is no need to burn the image according to this tutorial. This tutorial is only provided for users who encounter system startup abnormalities and purchase a separate motherboard or a cardless package as a reference. It can be used with the factory image of our motherboard TF card. If the TF card jetpack version is other versions (not jetpack4.6.3), this tutorial cannot be used. If the virtual machine provided in the Yabo Smart data is used, this file has been included, and you can run the burning command. ****

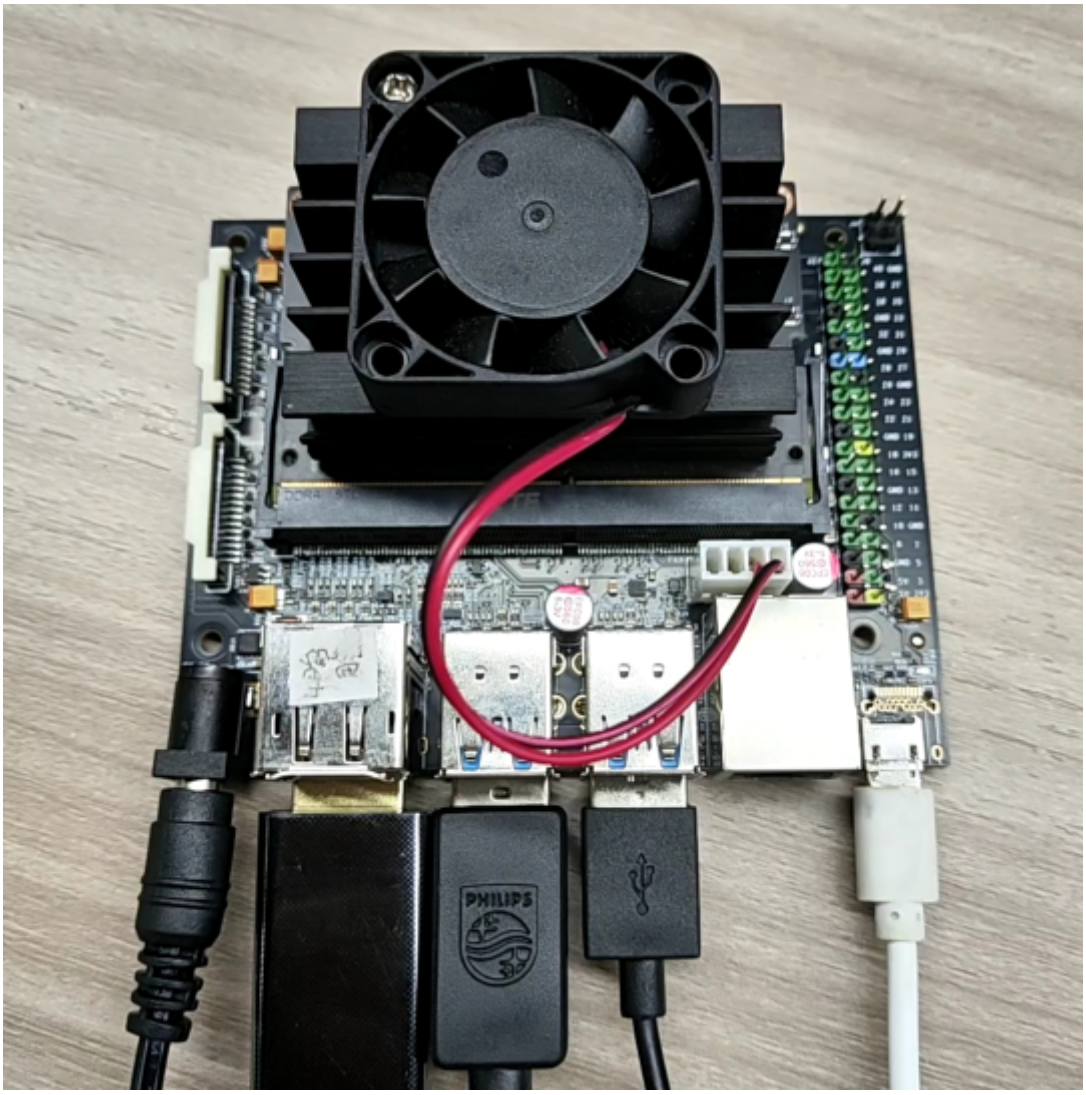
I. Connecting Jetson Nano B01 to the virtual machine

1. Prepare the Jetson Nano B01 motherboard, jumper cap, display, mouse and keyboard, etc.
2. Let Jetson Nano B01 enter the system REC flashing mode.

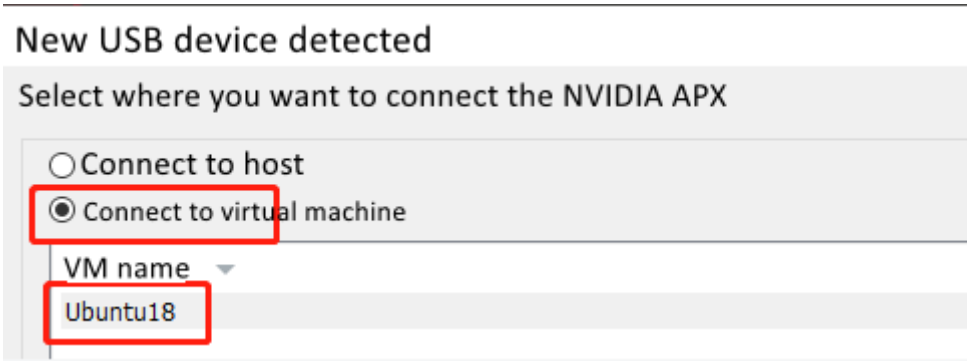
Connect the jumper cap to the FC REC and GND pins, that is, to the second and third pins of the carrier board below the core board, as shown in the figure below:



Connect the lines, connect the HDMI display, mouse, and keyboard to the Jetson Nano B01, then connect the power supply, and finally insert the microUSB data cable. Since the jumper cap has been connected to the FC REC and GND pins in the previous step, it will automatically enter the REC flashing mode after powering on.



Under normal circumstances, the following window pops up after inserting the microUSB data cable. Please note that when using a virtual machine, you need to set the device to connect to the virtual machine.



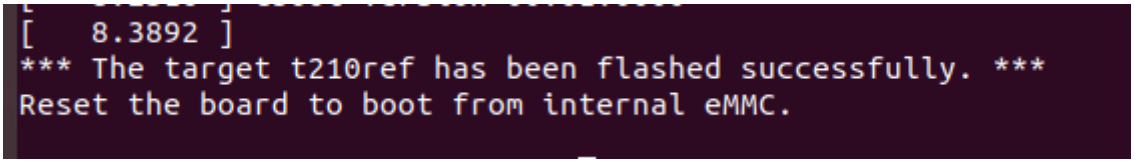
2. Start burning
3. Please transfer the TF_EMMC_jp463_1.tar.gz file in the data to the TF_TF_EMMC_jp463 directory in the Ubuntu18.04 system. Please refer to the following instructions.

```
mkdir TF_EMMC_jp463
cd TF_EMMC_jp463
tar xzvf TF_EMMC_jp463_1.tar.gz
```

2. After successful decompression, enter the command to burn

```
cd TF_EMMC_jp463/Linux_for_Tegra/ && sudo ./flash.sh -r jetson-nano-devkit-emmc
mmcblk0p1
```

3. Finally, wait for the file to be burned into the EMMC. If successful, it will prompt **"The target t210ref has been flashed successfully. Reset the board to boot from internal eMMC."**



If an error message appears, please confirm that Jetson Nano Check whether B01 is connected normally and enters flashing mode, and reconnect according to the first step.

After the burning is completed, please unplug the jumper cap of Jetson Nano B01, connect the carrier TF card, and restart the machine. The system read is the TF card system. **

Virtual machine user name: yahboom

Password: yahboom