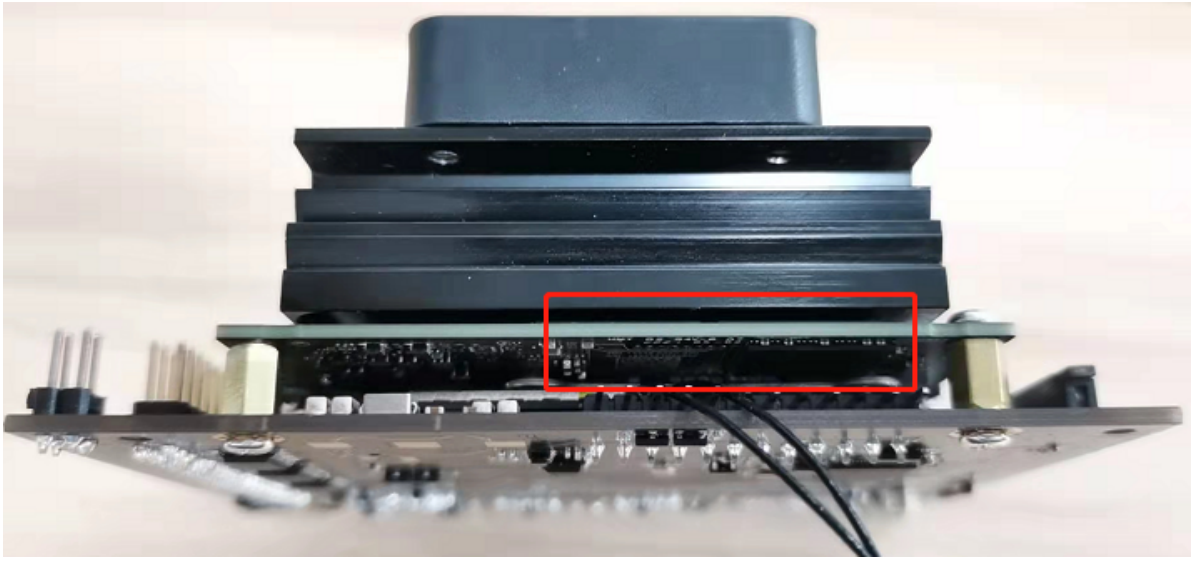
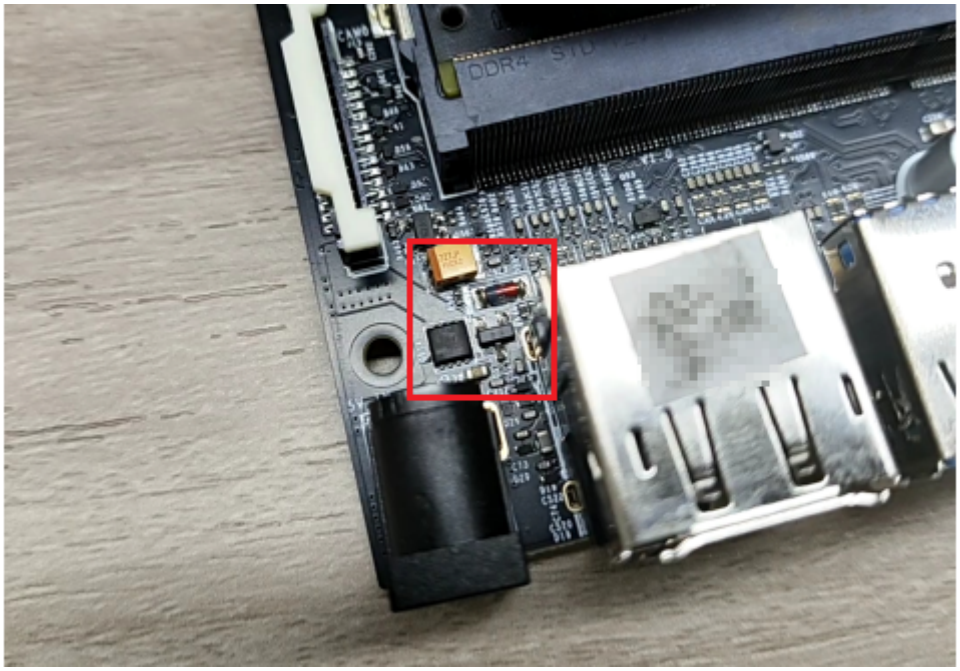
# Introduction to the Jetson Nano B01 SUB Version

The main differences between the development kit for the Jetson Nano B01 SUB version and the official Jetson Nano B01 development kit are:

## 1.The most obvious change is to cancel the TF card slot and replace it with an EMMC storage chip with 16GB of space. Due to the fact that 16GB of space is often not enough in practical development and application, the Jetson Nano B01 supports USB boot mode and can burn the system to a 32GB or larger USB drive for use.

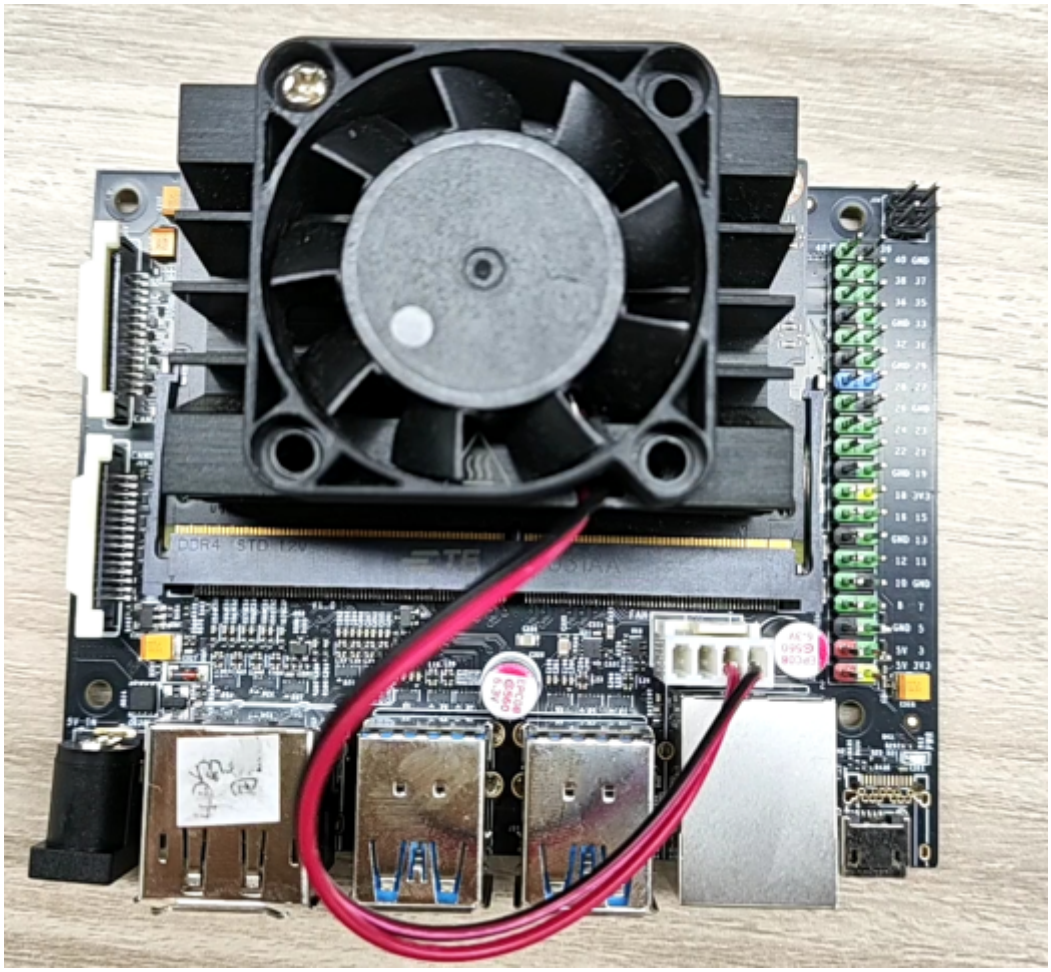


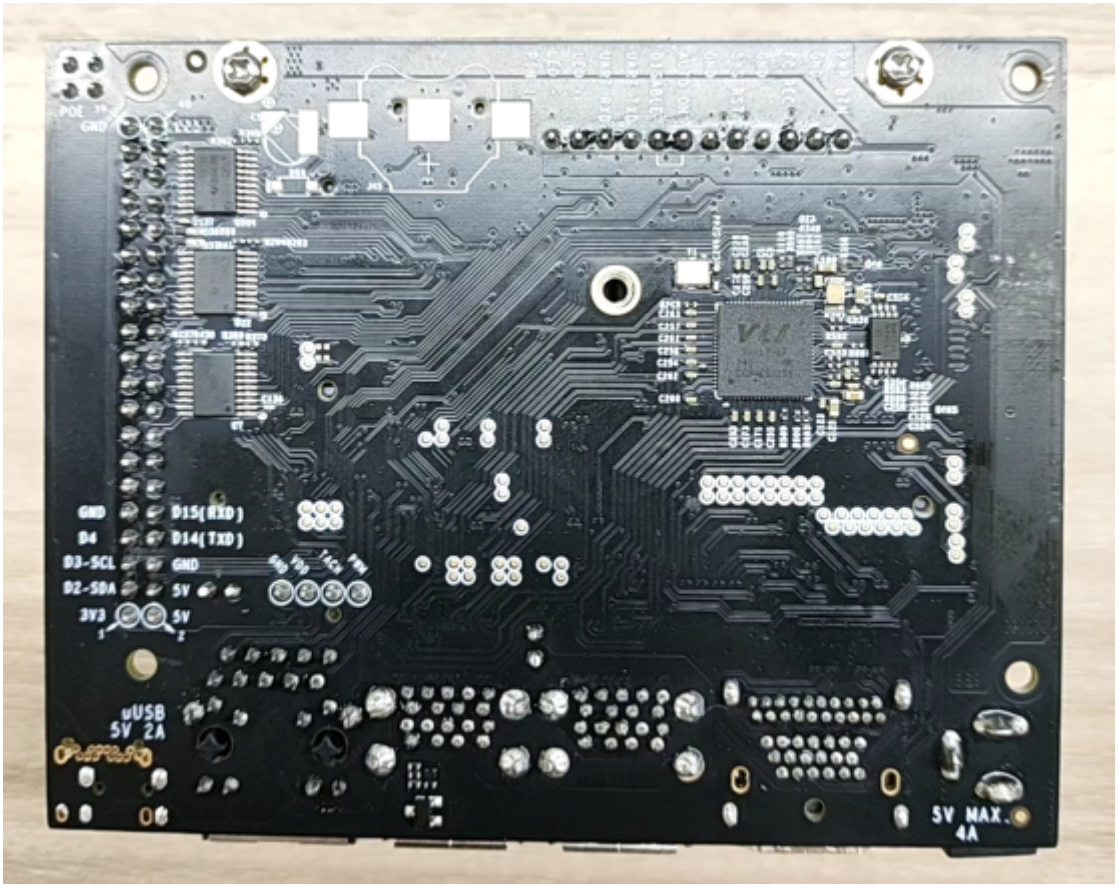
## 2.Cancel the pin switch of the DC power supply port, and there is no need to worry about not inserting the jumper cap causing the DC to not supply power.



For the USB drive startup method, there are several points to note:

1. JetsonThe system version of the Jetson Nano B01 core board should correspond to the system version of the USB flash drive. For example, if the USB flash drive has already burned version 4.5.1, then The system version of the Jetson Nano B01 core board must also be V4.5.1, and the "root=/dev/mmcblk0p1" in the boot/extLinux extlinx.conf file in the EMMC system must be changed to "root=/dev/sda1". Otherwise, it cannot be booted from a USB-U drive. Alternatively, follow the "3. Burn EMMC Boot" to burn the boot to ignore version and configuration file modification issues.
2. The idea of USB startup is to first start the system on the core board, and then boot the system from the core board onto a USB drive.
3. The system in the core board needs to use SDKManager to burn the system, and the system in the USB drive needs to use Win32DiskImager to burn the system.Reference image:




GND
D4
D3-SCL
D2-SDA
3V3
D15(RXD)
D14(TXD)
GND
5V
5V
uUSB
5V 2A
5V MAX.
4A