**Orin nx type-c usb3.0配置**

1. 从官网下载对应的BSP，https://developer.nvidia.com/embedded/jetson-linux
2. 解压缩kernel\_src.tbz2文件，tar -xvf kernel\_src.tbz2
3. 修改 public\_sources/Linux\_for\_Tegra/source/public/hardware/nvidia/platform/t23x/p3768/kernel-dts/cvb/tegra234-p3509-a02.dtsi 文件

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| Bash # xusb\_padctl: xusb\_padctl@3520000 节点下 xusb\_padctl: xusb\_padctl@3520000 {  status = "okay";  pads {  usb2 {  lanes {  usb2-0 {  nvidia,function = "xusb";  status = "okay";  };  usb2-1 {  nvidia,function = "xusb";  status = "okay";  };  usb2-2 {  nvidia,function = "xusb";  status = "okay";  };  };  };  usb3 {  lanes {  usb3-0 {  nvidia,function = "xusb";  status = "okay";  };  usb3-1 {  nvidia,function = "xusb";  status = "okay";  };  usb3-2 {  nvidia,function = "xusb";  status = "okay";  };  };  };  };   ports {  usb2-0 {  mode = "otg";  status = "okay";  vbus-supply = <&p3509\_vdd\_5v\_sys>; #if TEGRA\_XUSB\_DT\_VERSION >= DT\_VERSION\_3  usb-role-switch;  connector {  compatible = "usb-b-connector", "gpio-usb-b-connector";  label = "micro-USB";  type = "micro";  vbus-gpio = <&tegra\_main\_gpio TEGRA234\_MAIN\_GPIO(Z, 1) GPIO\_ACTIVE\_LOW>;  }; #endif  };  usb2-1 {  mode = "host";  vbus-supply = <&p3509\_vdd\_av10\_hub>;  status = "okay";  };  usb2-2 {/\* Goes to M2.E \*/  mode = "host";  vbus-supply = <&p3509\_vdd\_5v\_sys>;  status = "okay";  };  usb3-0 {  nvidia,usb2-companion = <1>;  status = "okay";  };  usb3-1 {  nvidia,usb2-companion = <1>;  status = "okay";  };  usb3-2 {  nvidia,usb2-companion = <1>;  status = "okay";  };  };  };   tegra\_xudc: xudc@3550000 {  status = "okay";  phys = <&{/xusb\_padctl@3520000/pads/usb2/lanes/usb2-0}>;  phy-names = "usb2-0";  nvidia,xusb-padctl = <&xusb\_padctl>;  };   tegra\_xhci: xhci@3610000 {  status = "okay";  phys = <&{/xusb\_padctl@3520000/pads/usb2/lanes/usb2-1}>,  <&{/xusb\_padctl@3520000/pads/usb2/lanes/usb2-2}>,  <&{/xusb\_padctl@3520000/pads/usb3/lanes/usb3-0}>,  <&{/xusb\_padctl@3520000/pads/usb3/lanes/usb3-1}>,  <&{/xusb\_padctl@3520000/pads/usb3/lanes/usb3-2}>;  phy-names = "usb2-1", "usb2-2", "usb3-0", "usb3-1", "usb3-2";  nvidia,xusb-padctl = <&xusb\_padctl>;  }; |

1. 编译

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| Bash # 新建一个保存结果的文件夹，例如： TKOUT=/home/mt\_ae\_pc1/work\_space/nvidia\_kernel/public\_sources/Linux\_for\_Tegra/source/public/okernel mkdir $TKOUT  # 编译 make ARCH=arm64 CROSS\_COMPILE=aarch64-linux-gnu- O=$TKOUT LOCALVERSION=-tegra -j8 |

1. 在/home/mt\_ae\_pc1/work\_space/nvidia\_kernel/public\_sources/Linux\_for\_Tegra/source/public/okernel/arch/arm64/boot/dts/nvidia/ 下，存在tegra234-p3767-0000-p3509-a02.dtb文件，将其移动到/boot/dtb/kernel\_tegra234-p3767-0000-p3509-a02.dtb
2. 重启，连接usb3.0设备