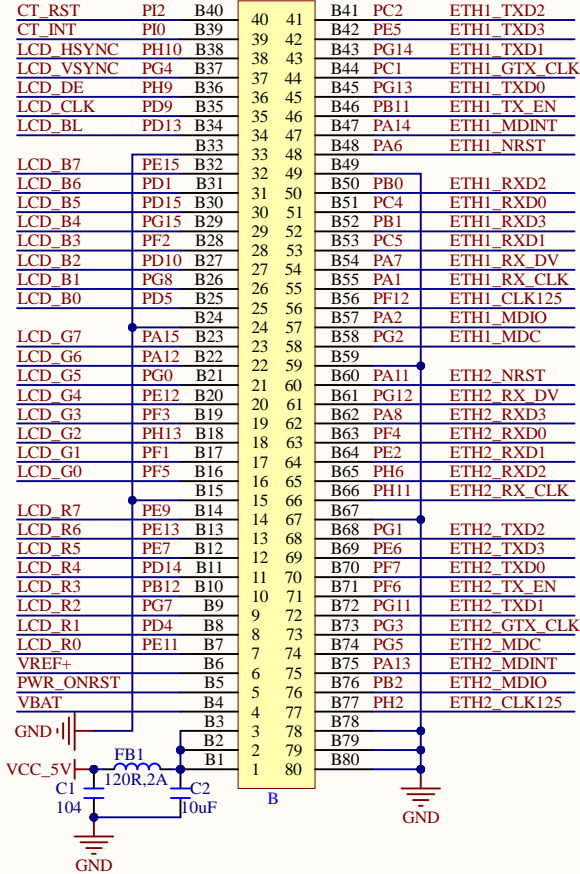
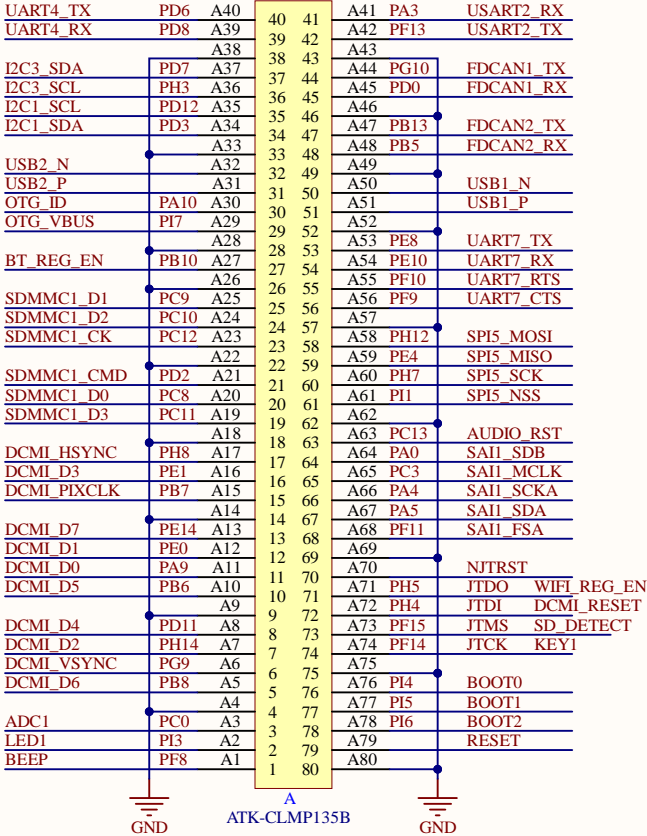
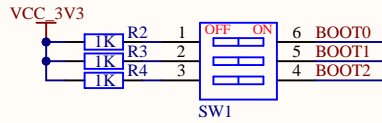


ATK-CLMP135B

ATK-CLMP135B



BOOT

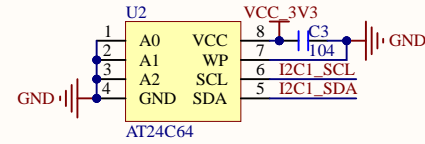


BOOT Mode	BOOT2(D3)	BOOT1(D2)	BOOT0(D1)
SD Card	1	0	1
NOR	0	0	1
EMMC	0	1	0
NAND	0	1	1
UART	1	1	0
USB	0	0	0

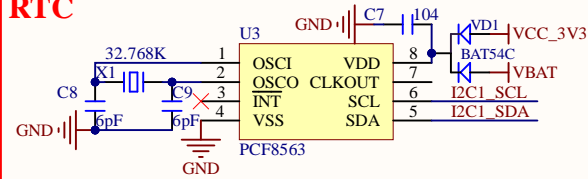
notice:

0=OFF, 0 is floating signal or grounded
1=ON, 1 is signal with pullup or tied to VCC_3V3

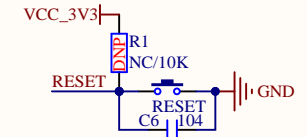
EEPROM



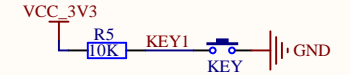
RTC



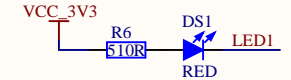
RESET



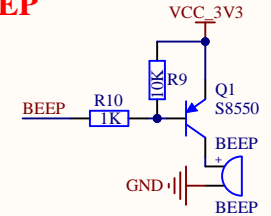
KEY



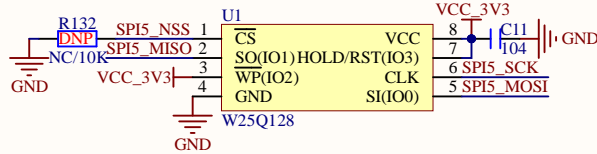
LED



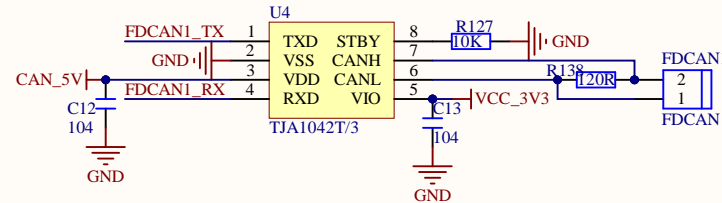
BEEP



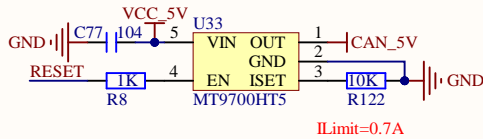
SPI FLASH



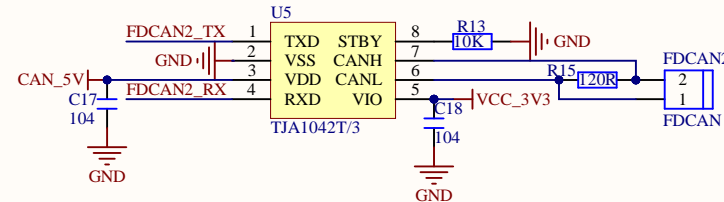
FDCAN1



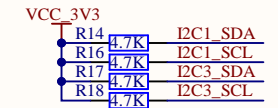
CAN_5V



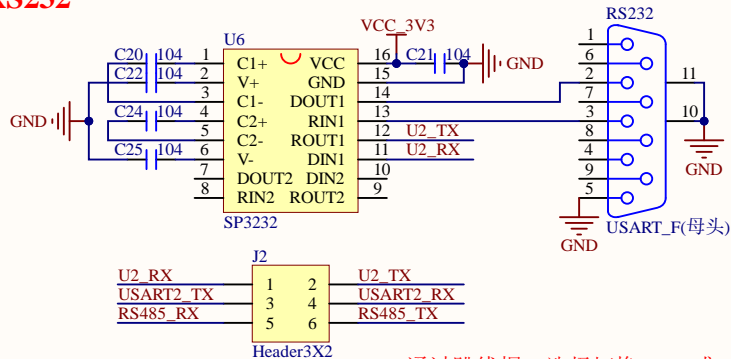
FDCAN2



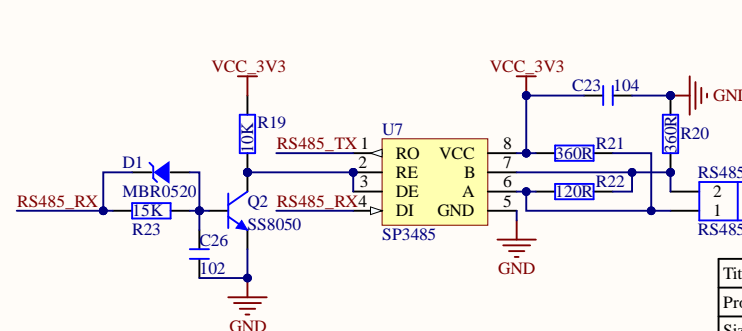
I2C



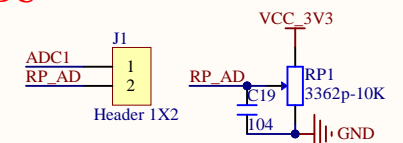
RS232



RS485

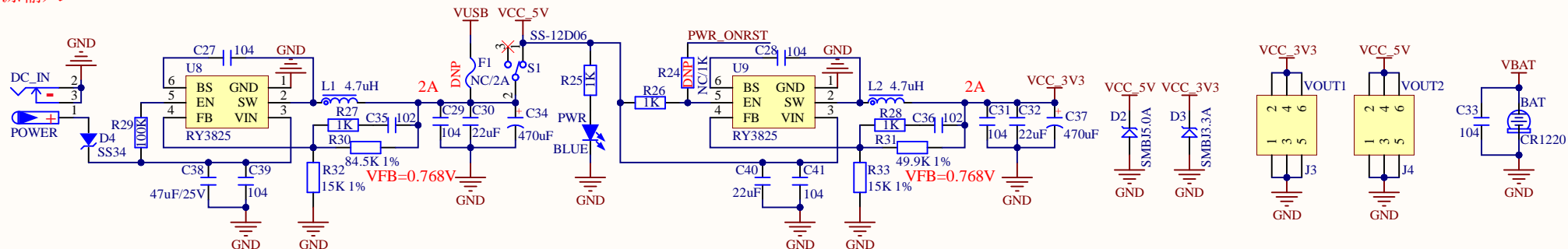


ADC

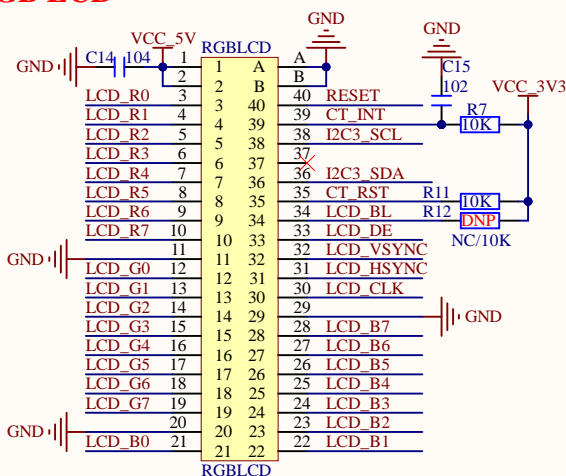


通过跳线帽，选择切换RS232或RS485

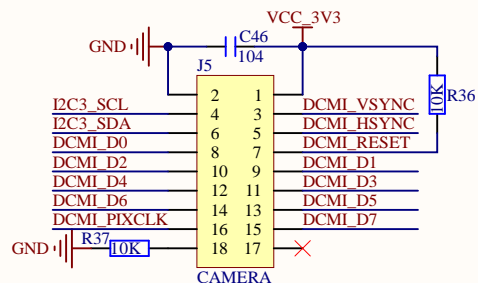
12V电源输入



RGB LCD



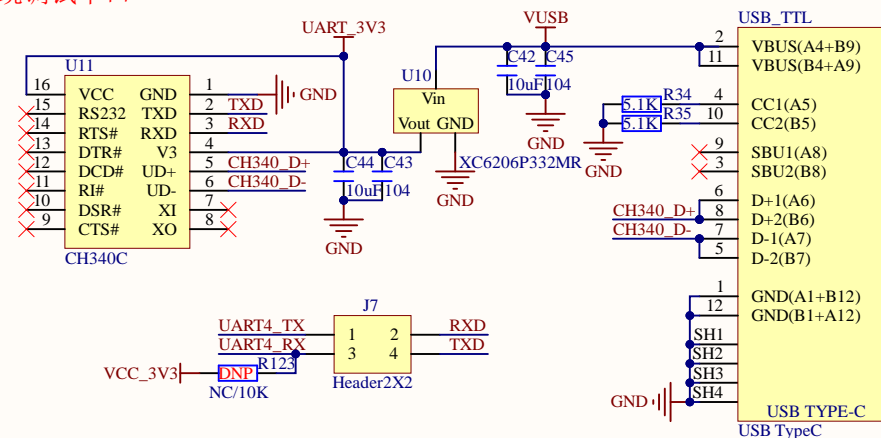
CAMERA



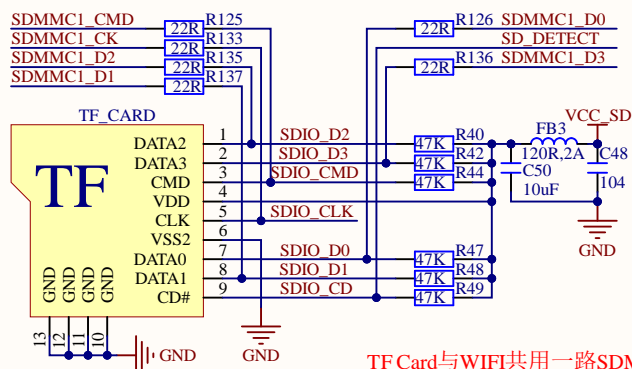
PIN 18:Connector PWDN should be connected to ground if unused.

USB UART&USB POWER

系统调试串口

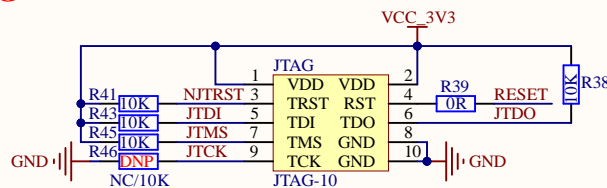


TF Card

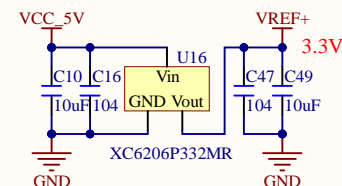


TF Card与WIFI共用一路SDMMC

JTAG

**ESD&FKT**

ESD	FKT
ESD	FKT
ESD	FKT

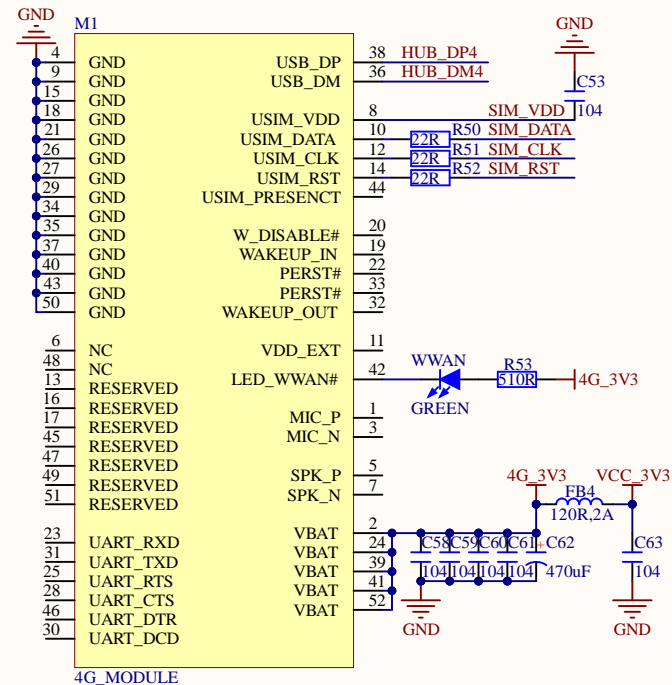
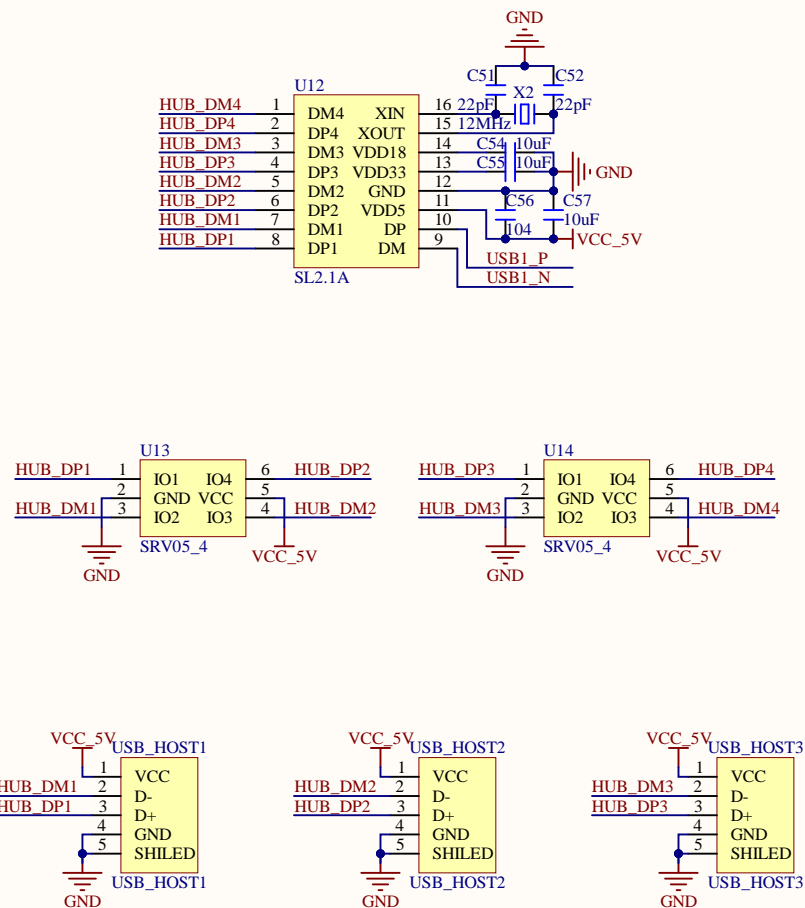
ADC VREF+

Title: STM32MP13X_POWER.SchDoc		
Project: ATK-DLMP135.PrjPcb		
Size: A4	Author: ALIENTEK	
Date: 2023/3/16	Version: V1.2	Sheet: 3 of 9

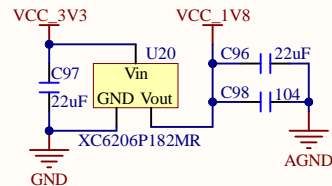
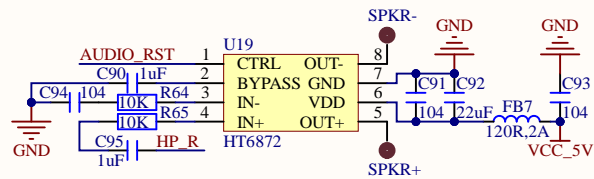
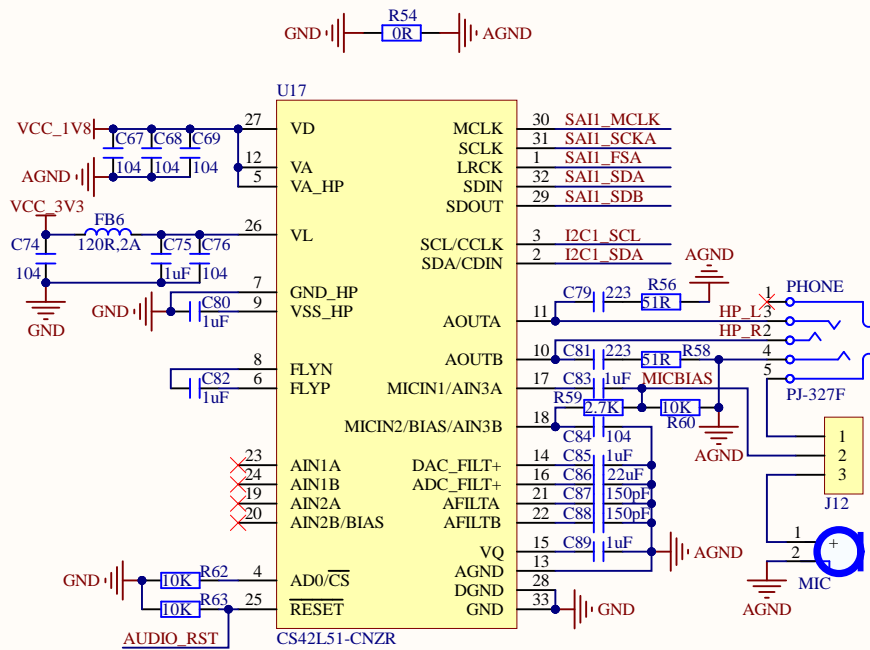


USB HUB

4G MODULE

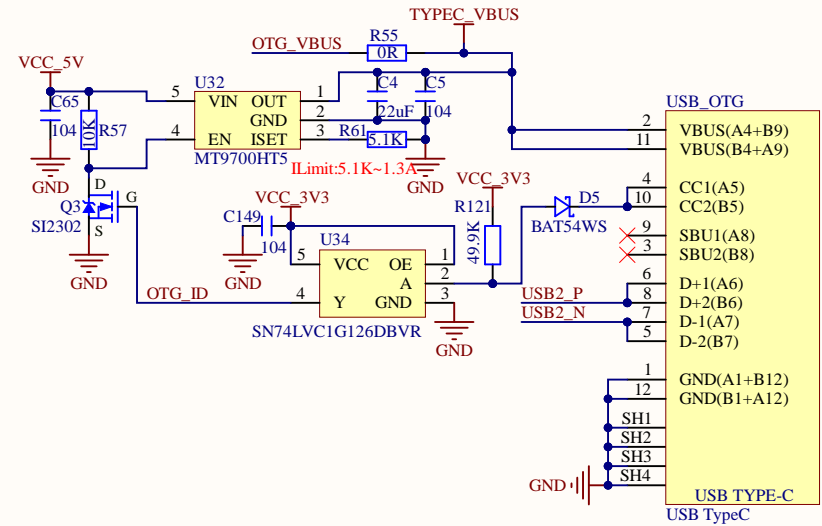


AUDIO



USB_OTG_TYPEC

USB烧写系统

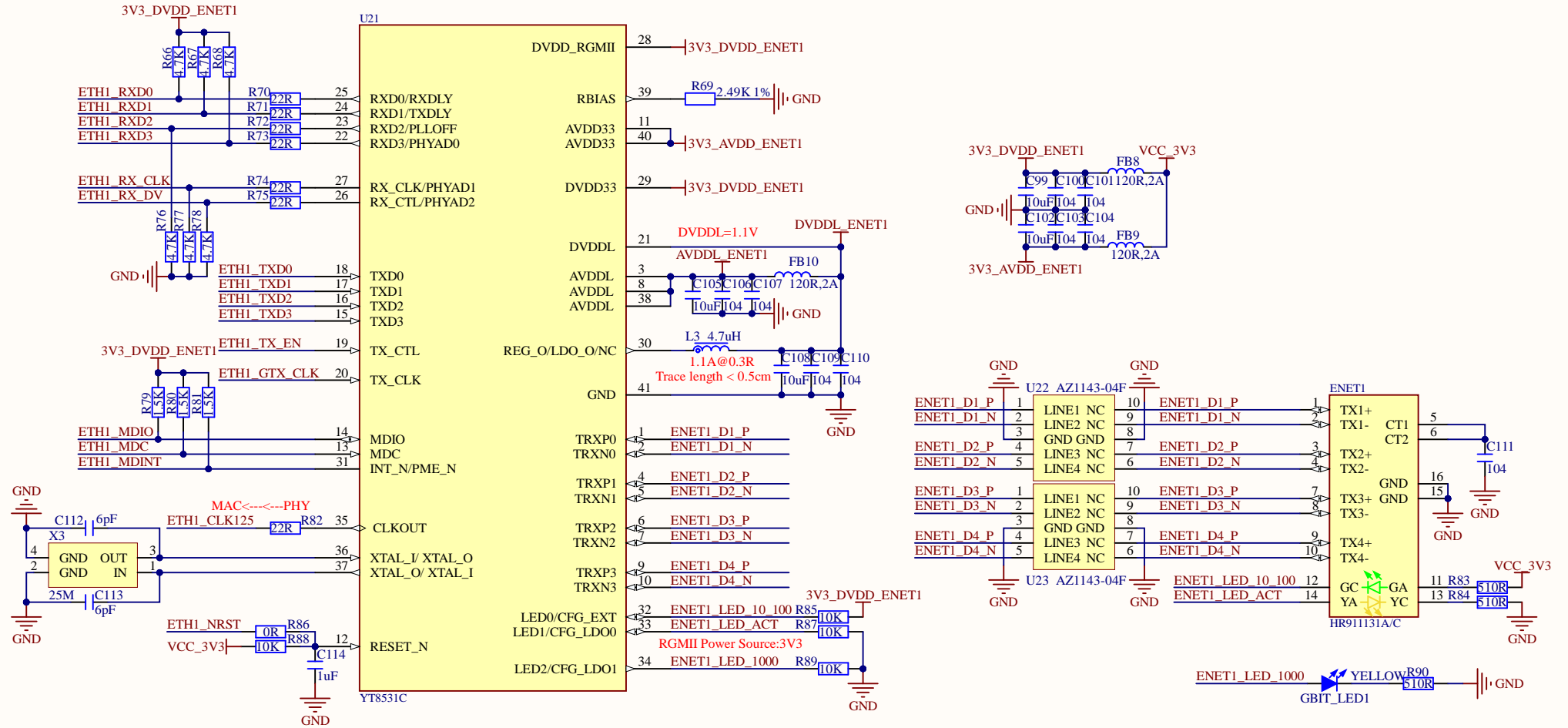


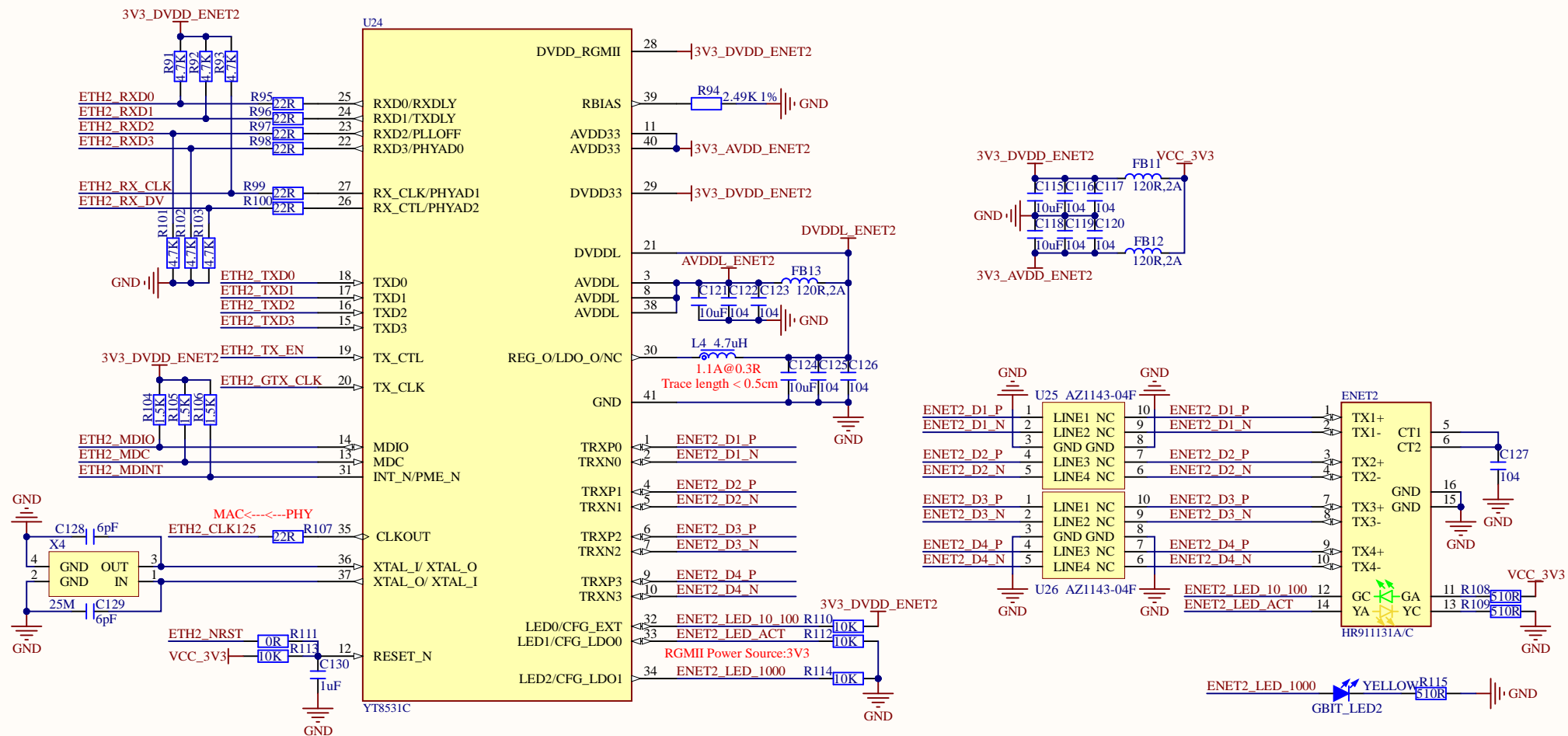
Title: STM32MP13X_AUDIO&USB_TYPEC.SchDoc		
Project: ATK-DLMP135.PrjPcb		
Size: A4	Author: ALIENTEK	
Date: 2023/3/16	Version: V1.2	Sheet: 5 of 9




10/100/1000M ENET1

TXC/RXC: delay 2ns
PHY Address:0x01

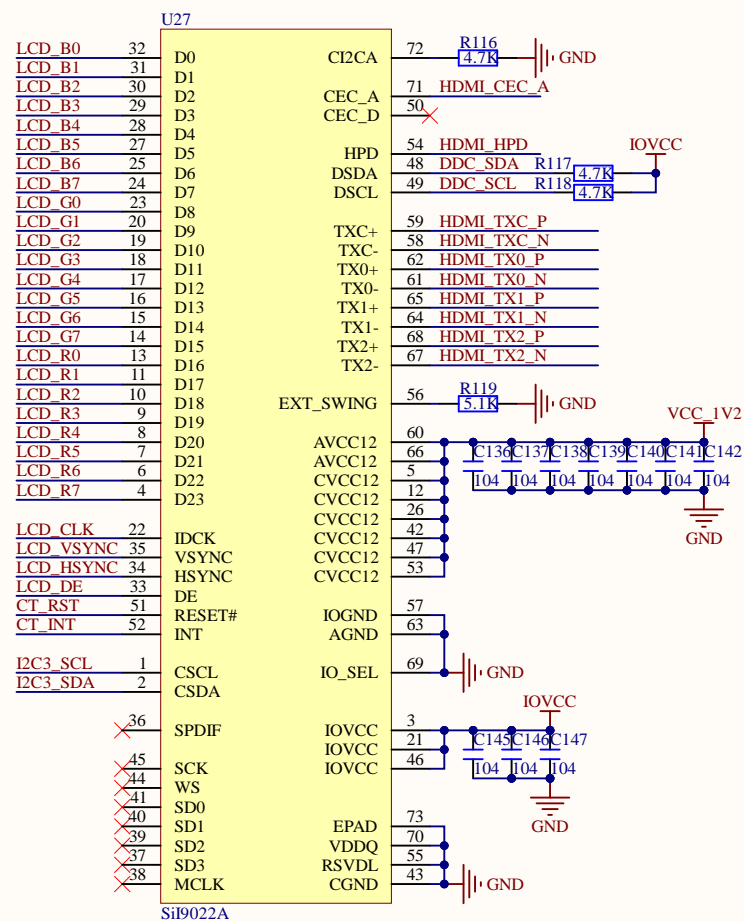


TXC/RXC: delay 2ns
PHY Address:0x02

Title: STM32MP13X_NET2.SchDoc			 正点原子
Project: ATK-DLMP135.PrjPcb			
Size: A4	Author: ALIENTEK		
Date: 2023/3/16	Version: V1.2	Sheet: 7 of 9	



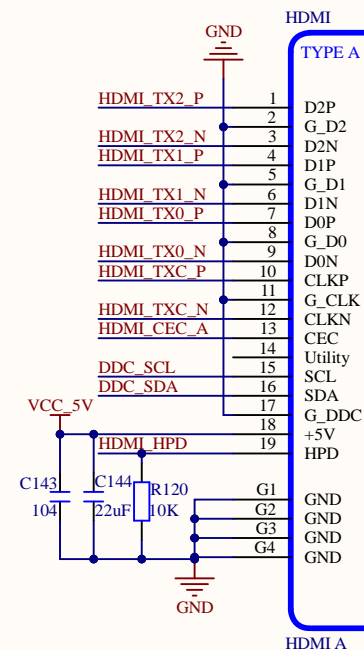
HDMI



Si9022 I2C地址

地址分类	CI2CA=LOW	CI2CA=HIGH
传输编程接口设备地址(TPI)	0X72	0X72
CEC编程接口设备地址(CPI)	0XC0	0XC4
Si9022内部寄存器: 第1个设备地址	0X72	0X76
Si9022内部寄存器: 第2个设备地址	0X7A	0X7E

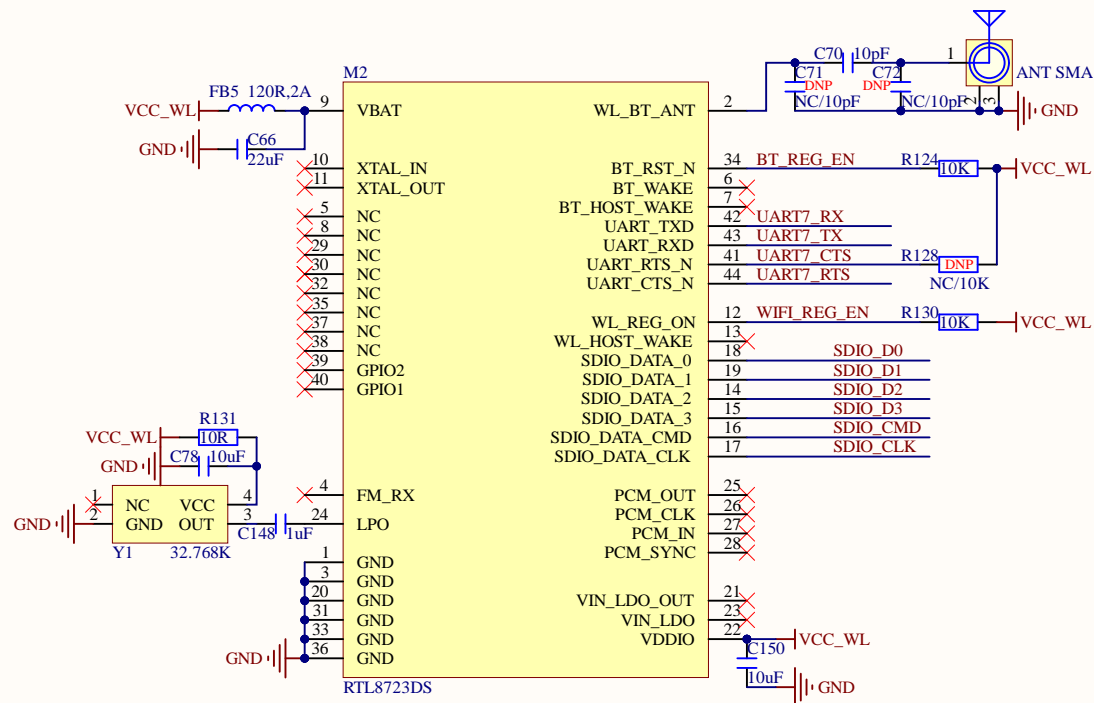
HDMI_TYPEA



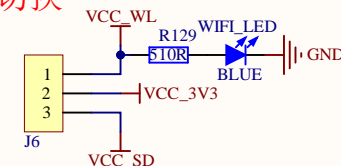
Title: STM32MP13X_HDMI.SchDoc		
Project: ATK-DLMP135.PrjPcb		
Size: A4	Author: ALIENTEK	
Date: 2023/3/16	Version: V1.2	Sheet: 8 of 9



SDIO WIFI&BLUETOOTH



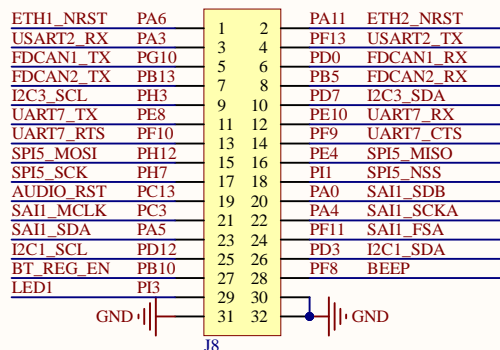
SDIO供电切换



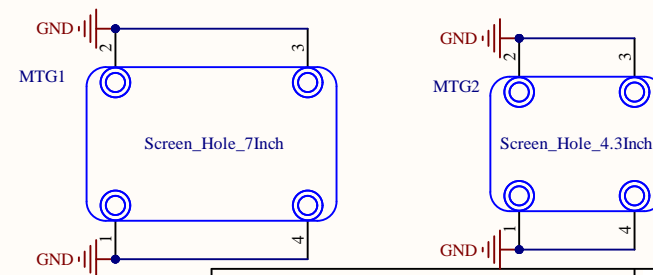
- 1、SDIO WIFI与SD卡共用一路SDMMC接口，故不能同时使用；
- 2、在使用SD卡时，需要将跳线帽接至VCC_SD电源，供电SD卡；
- 3、在使用SDIO WIFI时，需要将跳线帽接至VCC_WL电源，供电SDIO WIFI&BLUETOOTH电路

PIN OUT

2x16排针组



LCD屏幕固定孔



Title: STM32MP13X_WIFI&BLUETOOTH.SchDoc		
Project: ATK-DLMP135.PrjPcb		
Size: A4	Author: ALIENTEK	
Date: 2023/3/16	Version: V1.2	Sheet: 9 of 9

