

野火_EBF RK3568 底板_原理图

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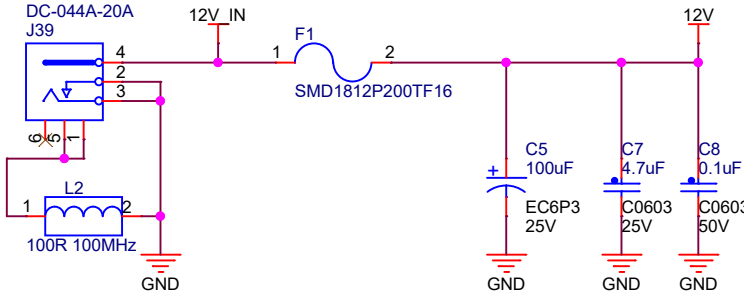
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历史版本

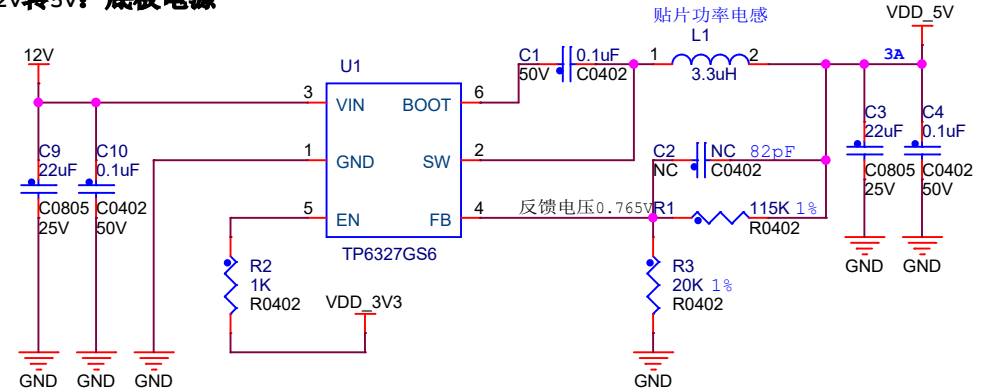
版本号	日期	设计	描述
V1.0	2021-10-15	llm	初始版本
V1.1	2021-12-07	llm	1.电容触摸屏接口INT、RST引脚添加上拉电阻 2.按键改为小封装的侧贴按键 3.Connector引脚网络对调如下： (1) 203与205引脚网络对调 (2) 33与35引脚网络对调 (3) 107与109引脚网络对调 (4) 141与143引脚网络对调 (5) 217与219引脚网络对调
V1.2	2021-12-12	llm	1.把大部分电阻电容的改为0402封装 2.为了方便layout，把HDMI的TVS SRV05-4改为RCLAMP0524P

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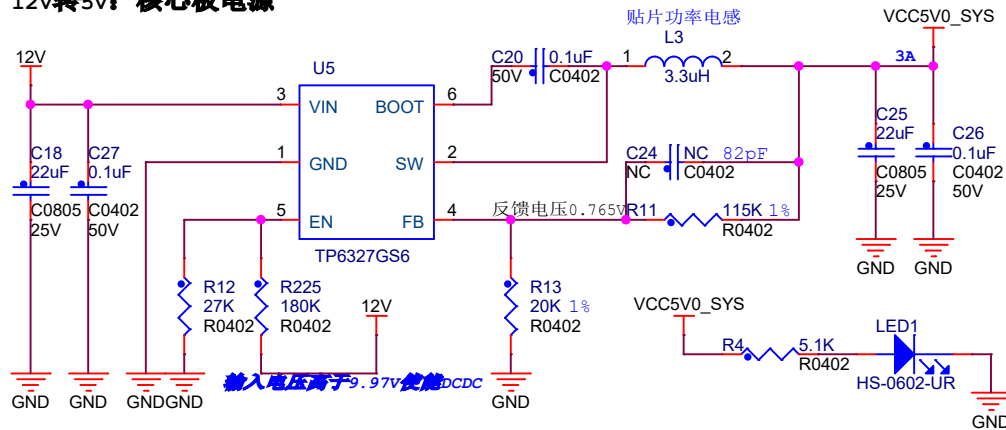
DC IN : 12V



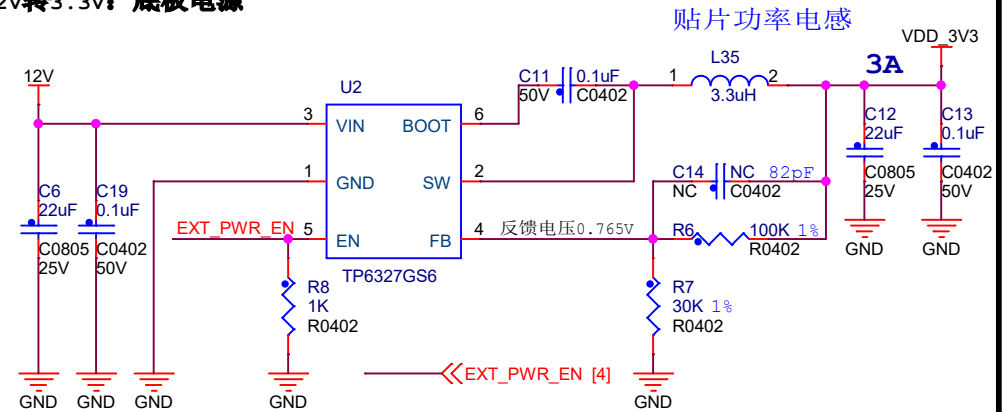
12V转5V: 底板电源



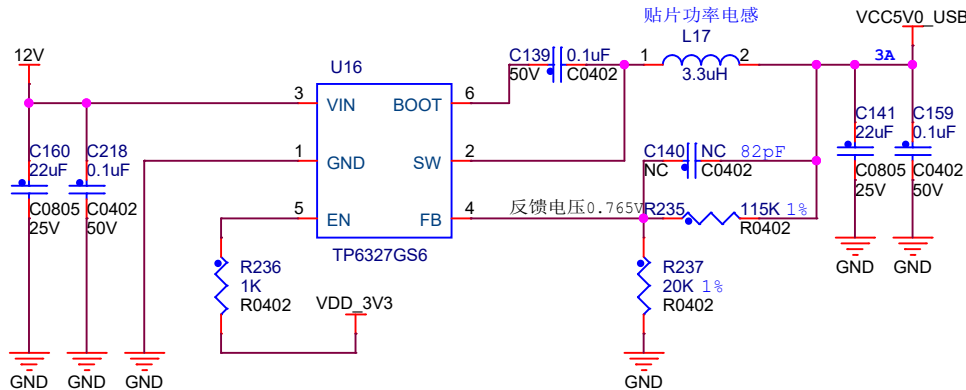
12V转5V: 核心板电源



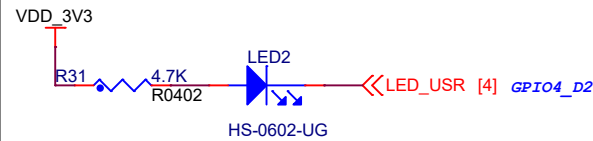
12V转3.3V: 底板电源



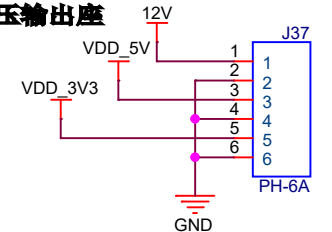
12V转5V: USB电源



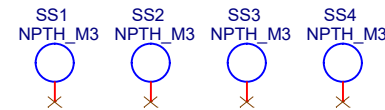
LED



电压输出座



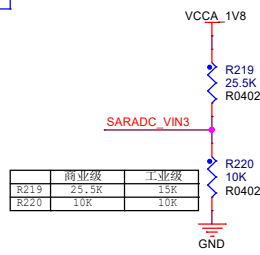
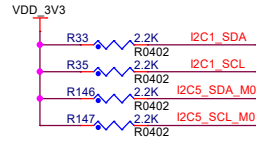
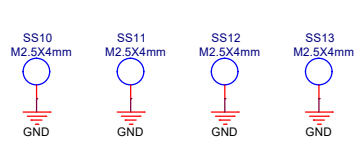
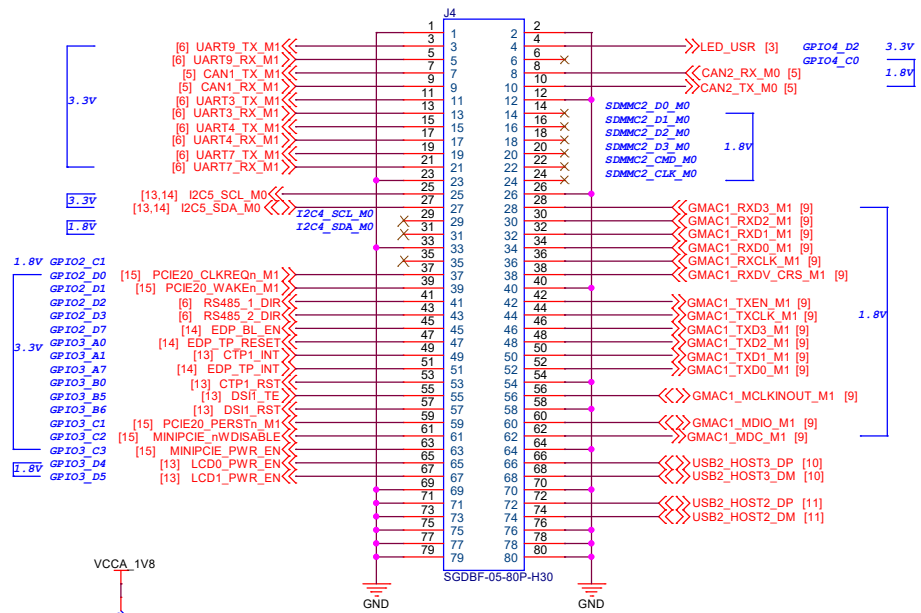
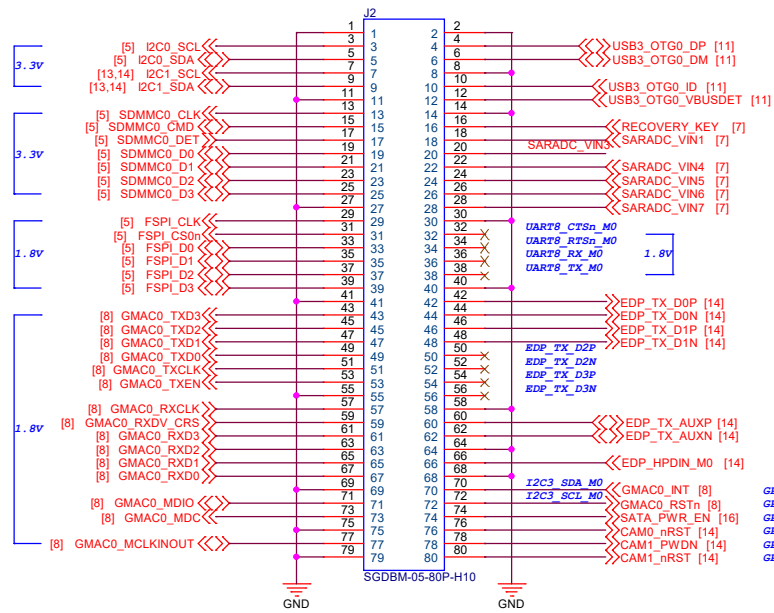
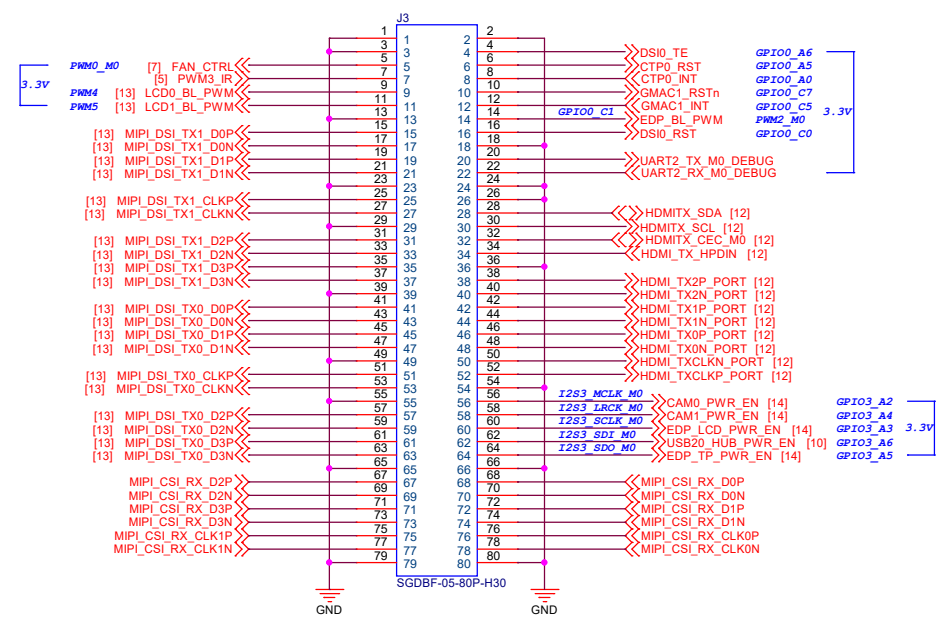
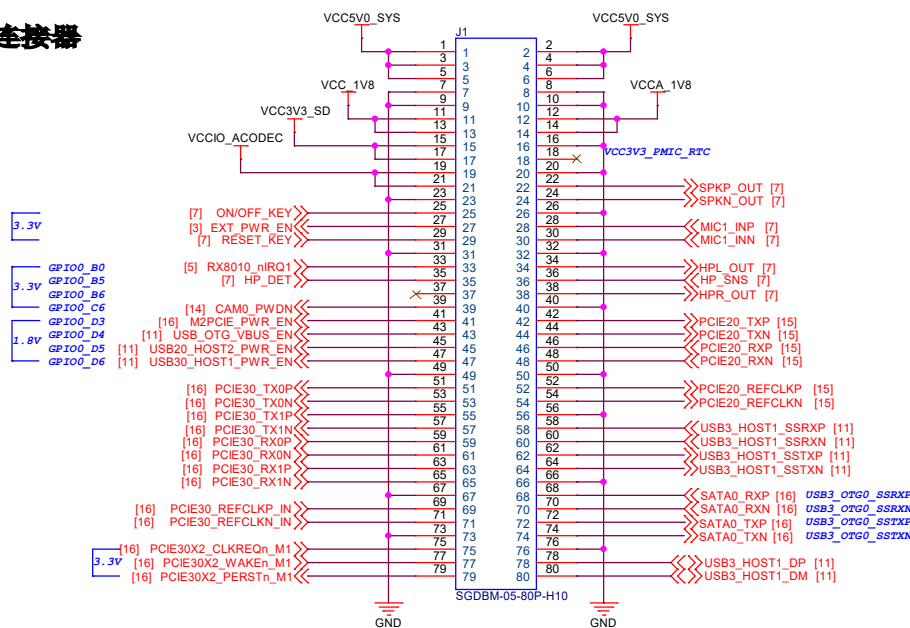
定位孔



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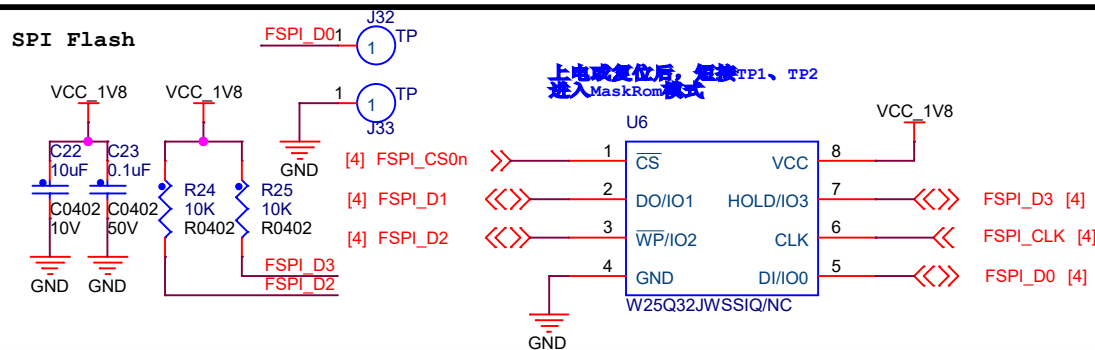
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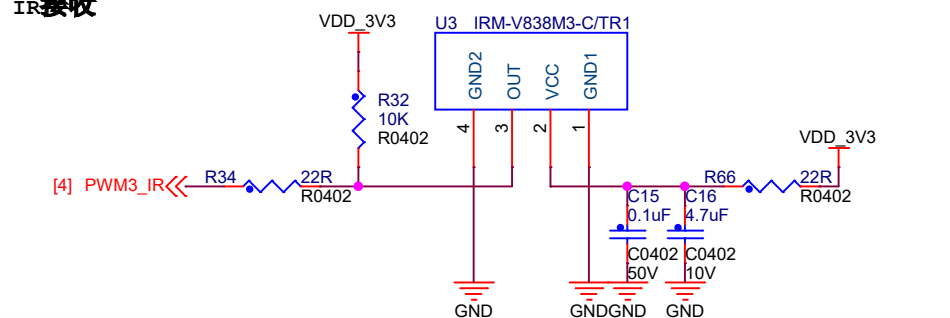
Board ID:16 电压: VIN3:0.507V ADC:VIN3:288

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野火_EBF RK3568 底板			
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	BTB连接器		
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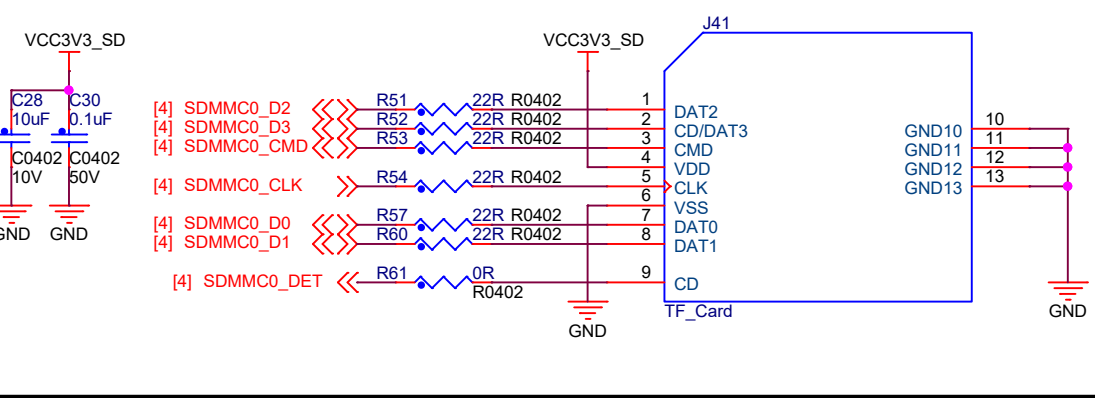
SPI Flash



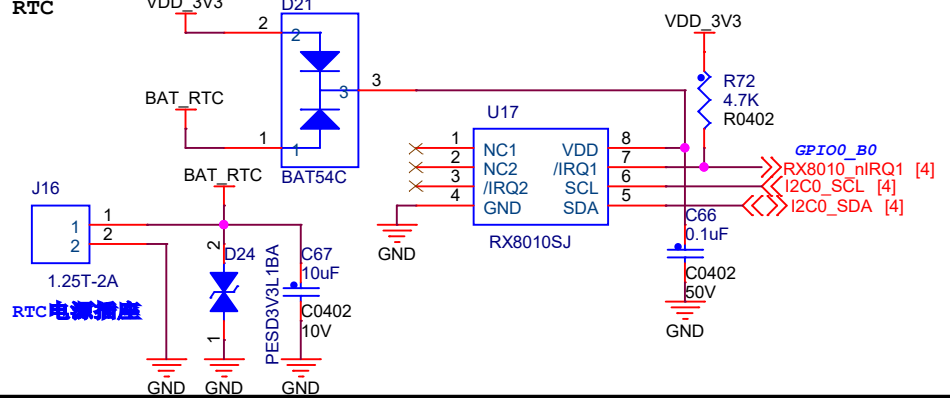
IR接收



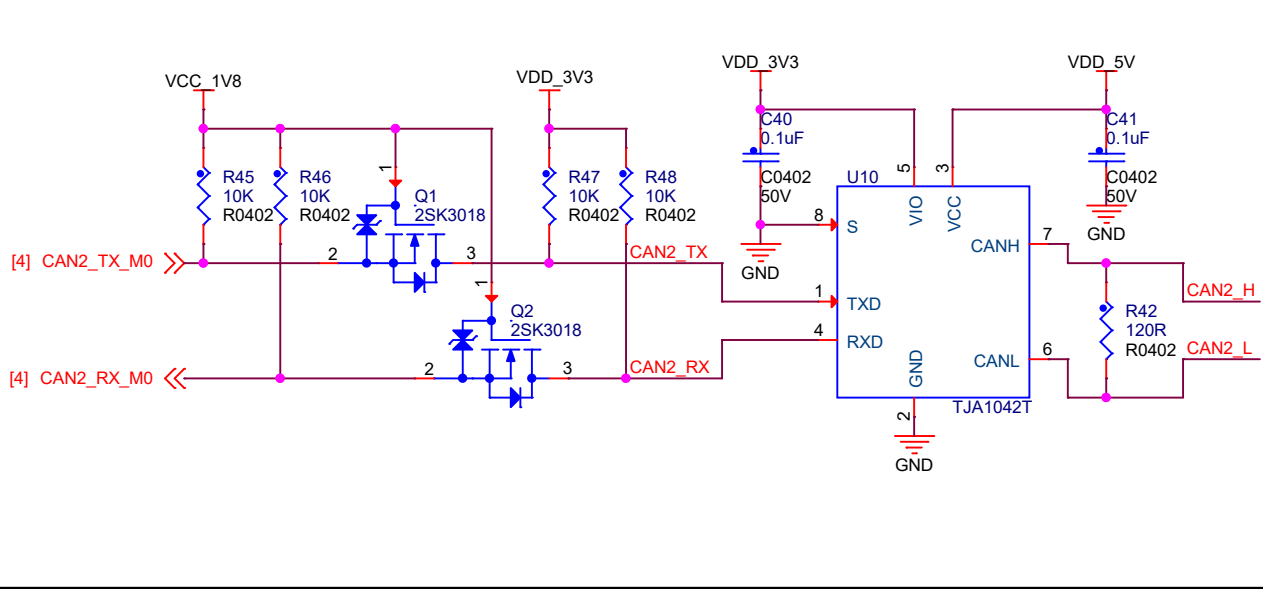
SD Card



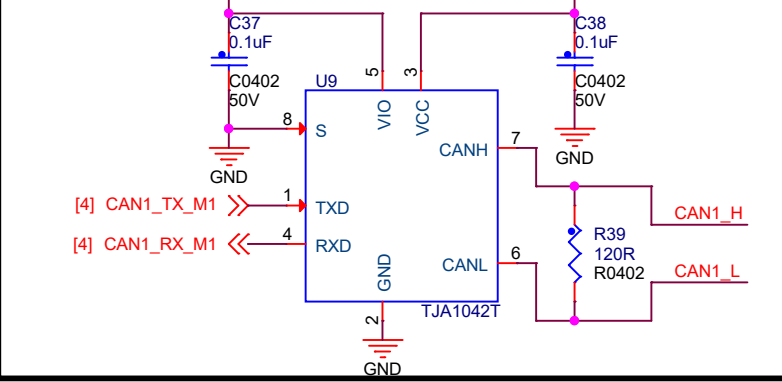
RTC



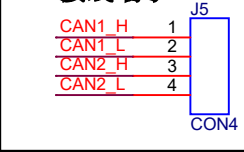
CAN2



CAN1



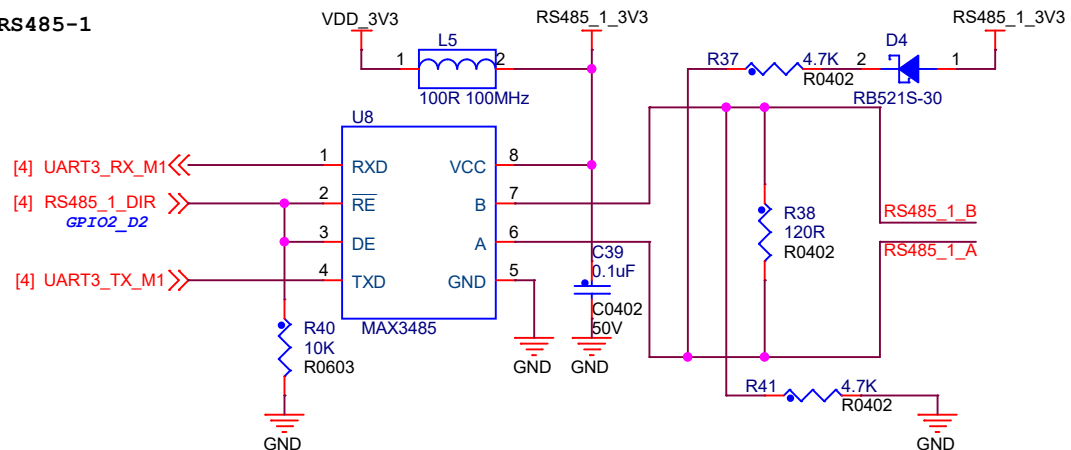
CAN接线端子



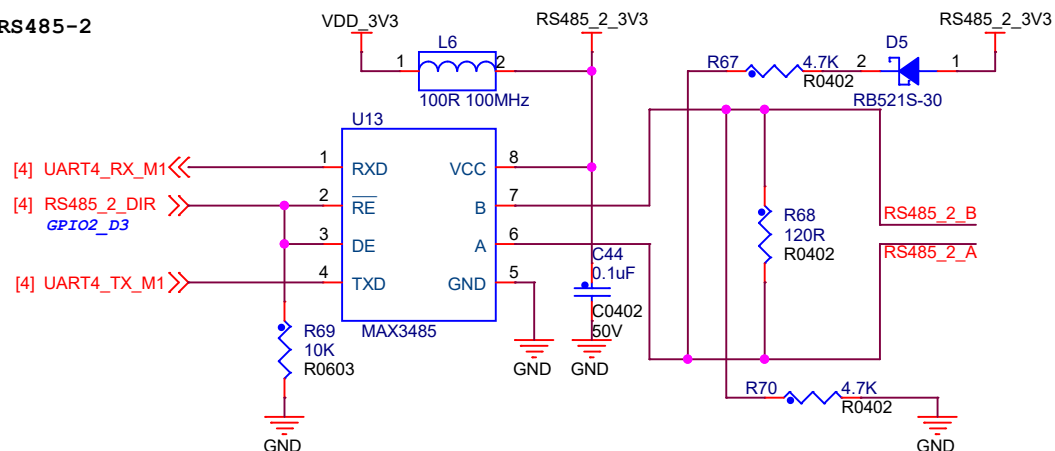
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A4	SD Card/SPI Flash/RTC/CAN/IR	V1.0	
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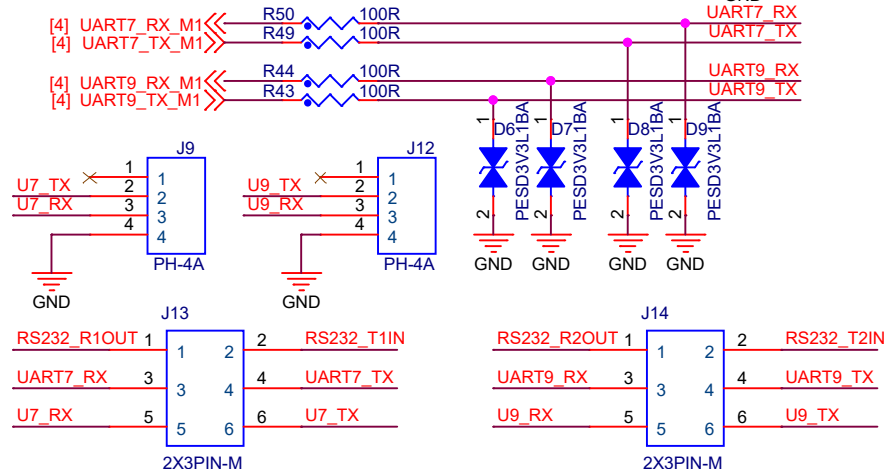
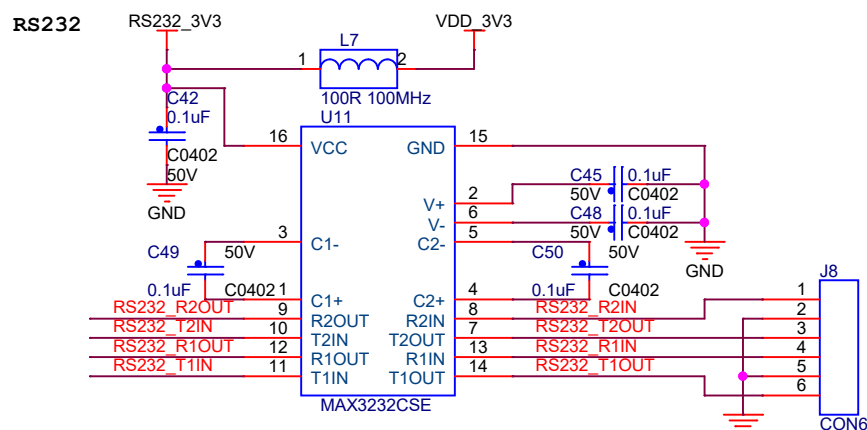
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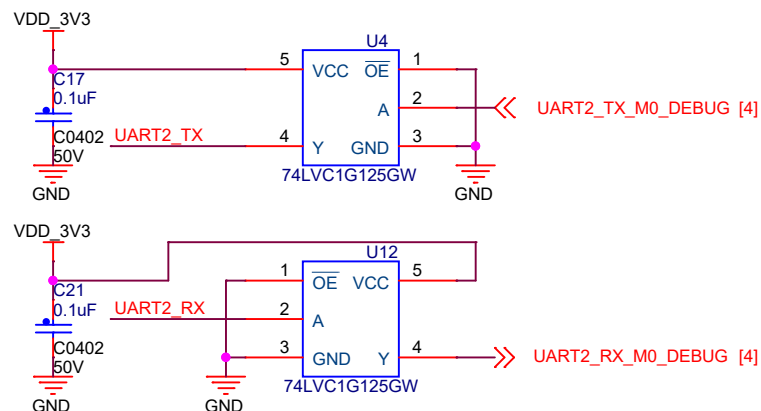
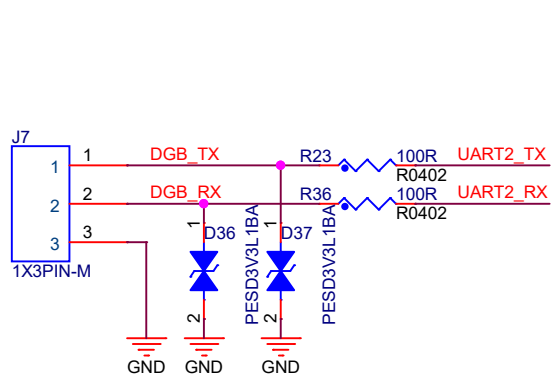
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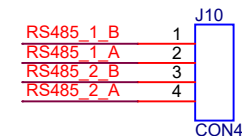
RS232



DEBUG接口



RS485接线端子



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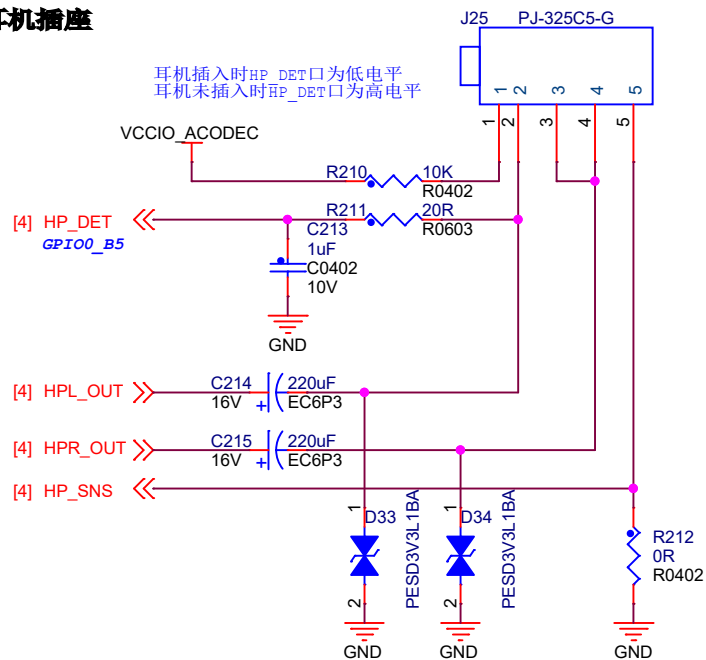
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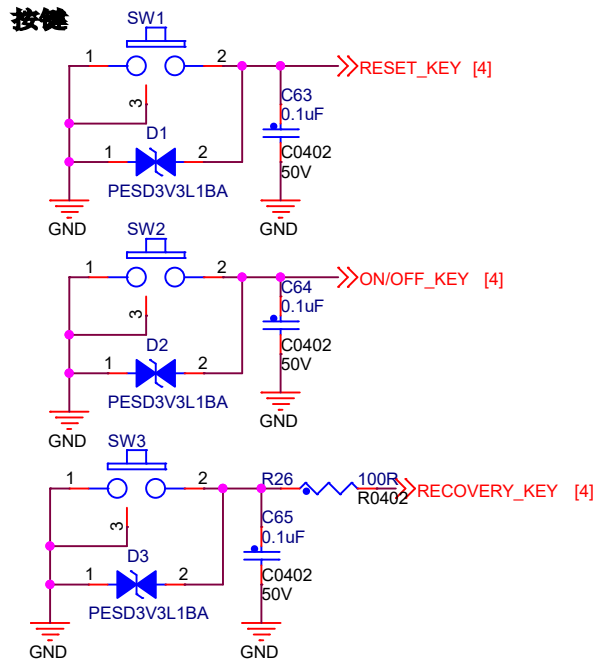
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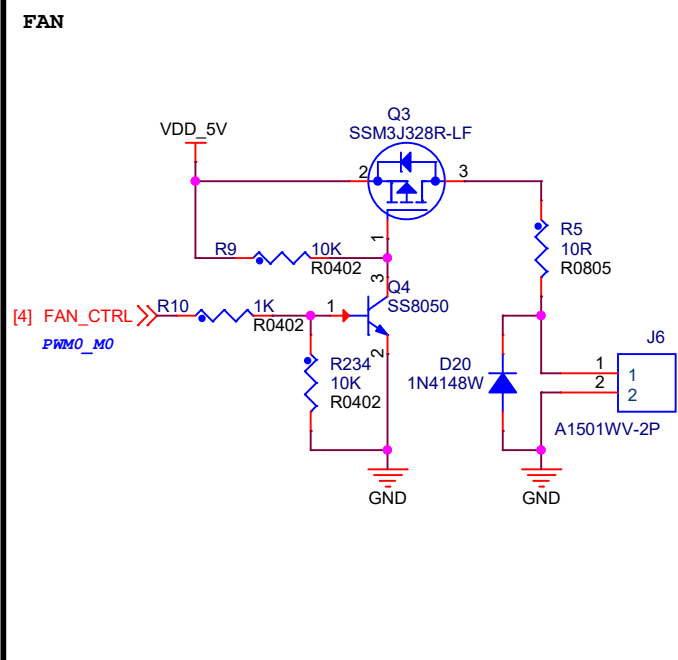
耳机插座



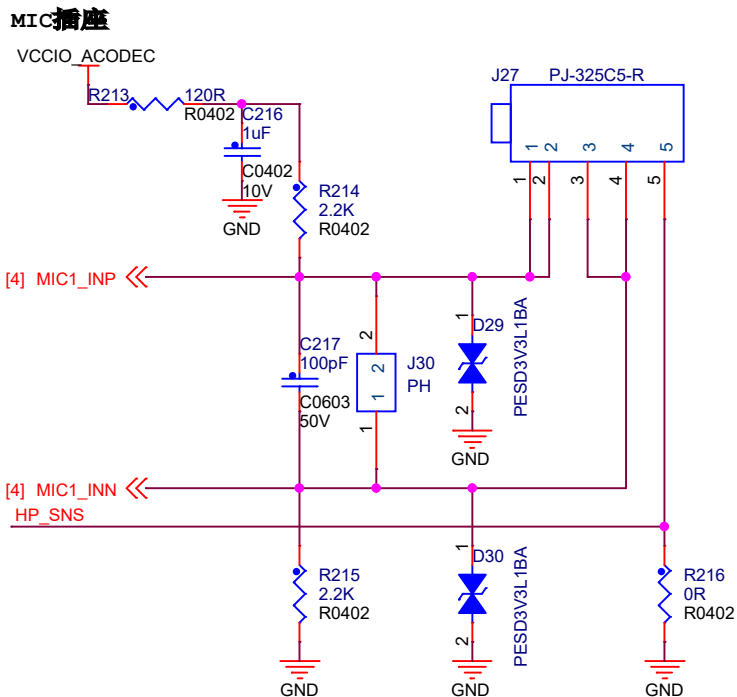
按键



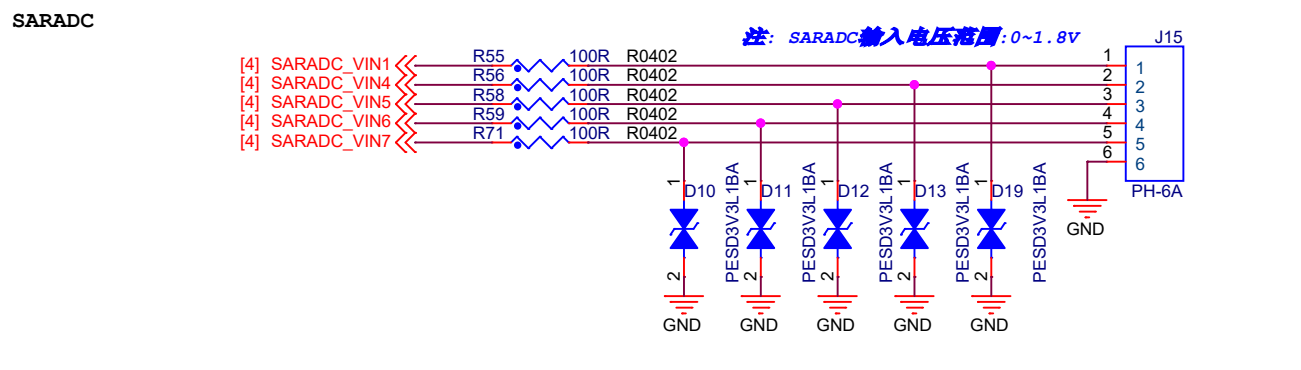
FAN



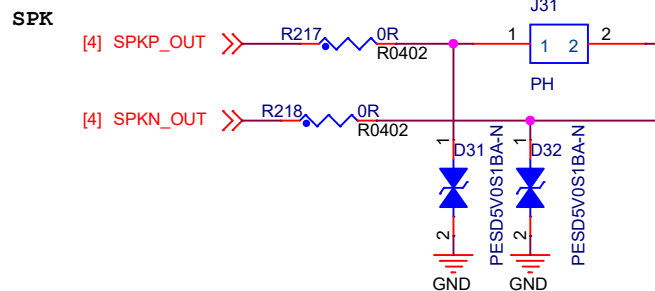
MIC插座



SARADC



SPK



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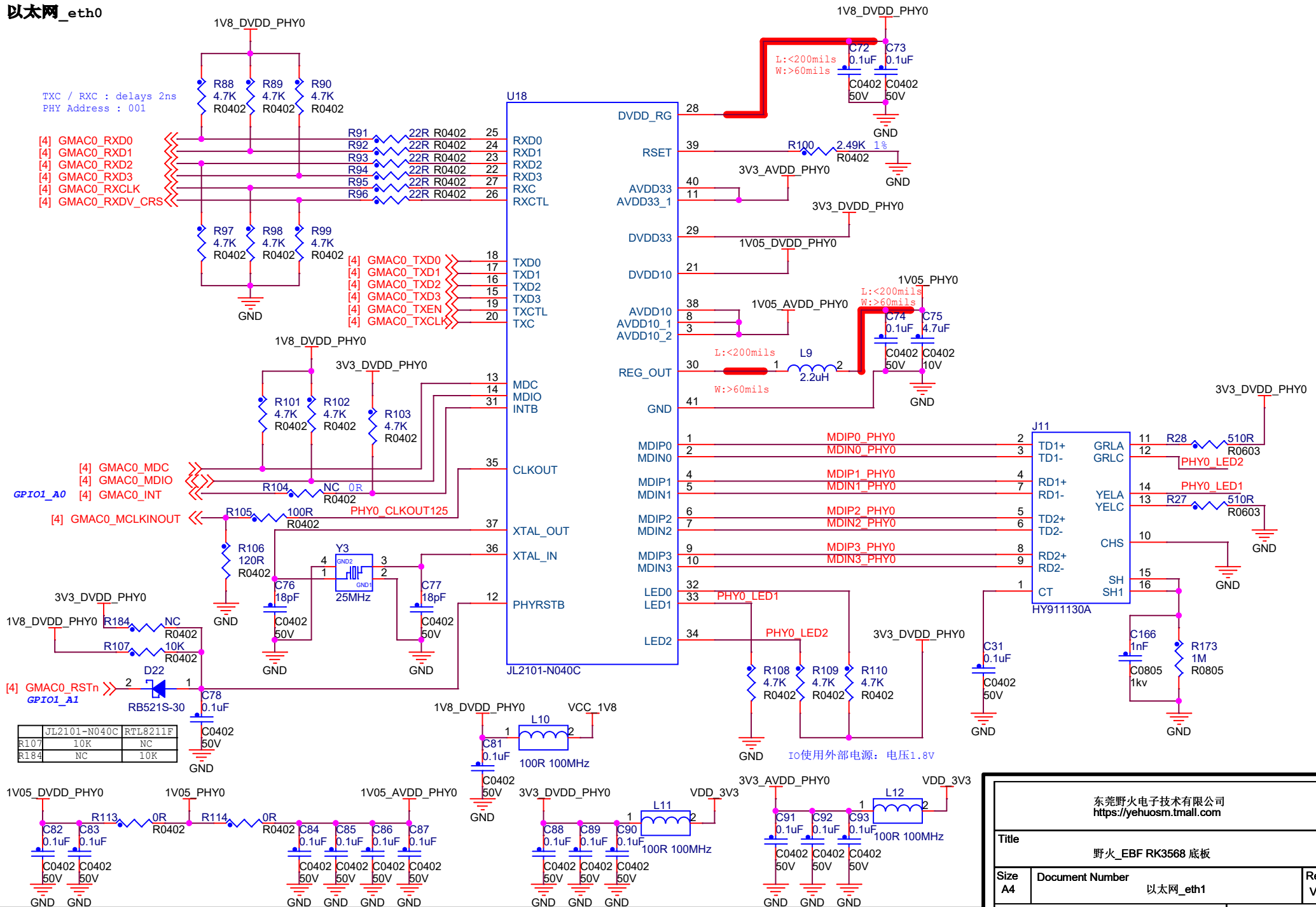
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音频按键/SARADC

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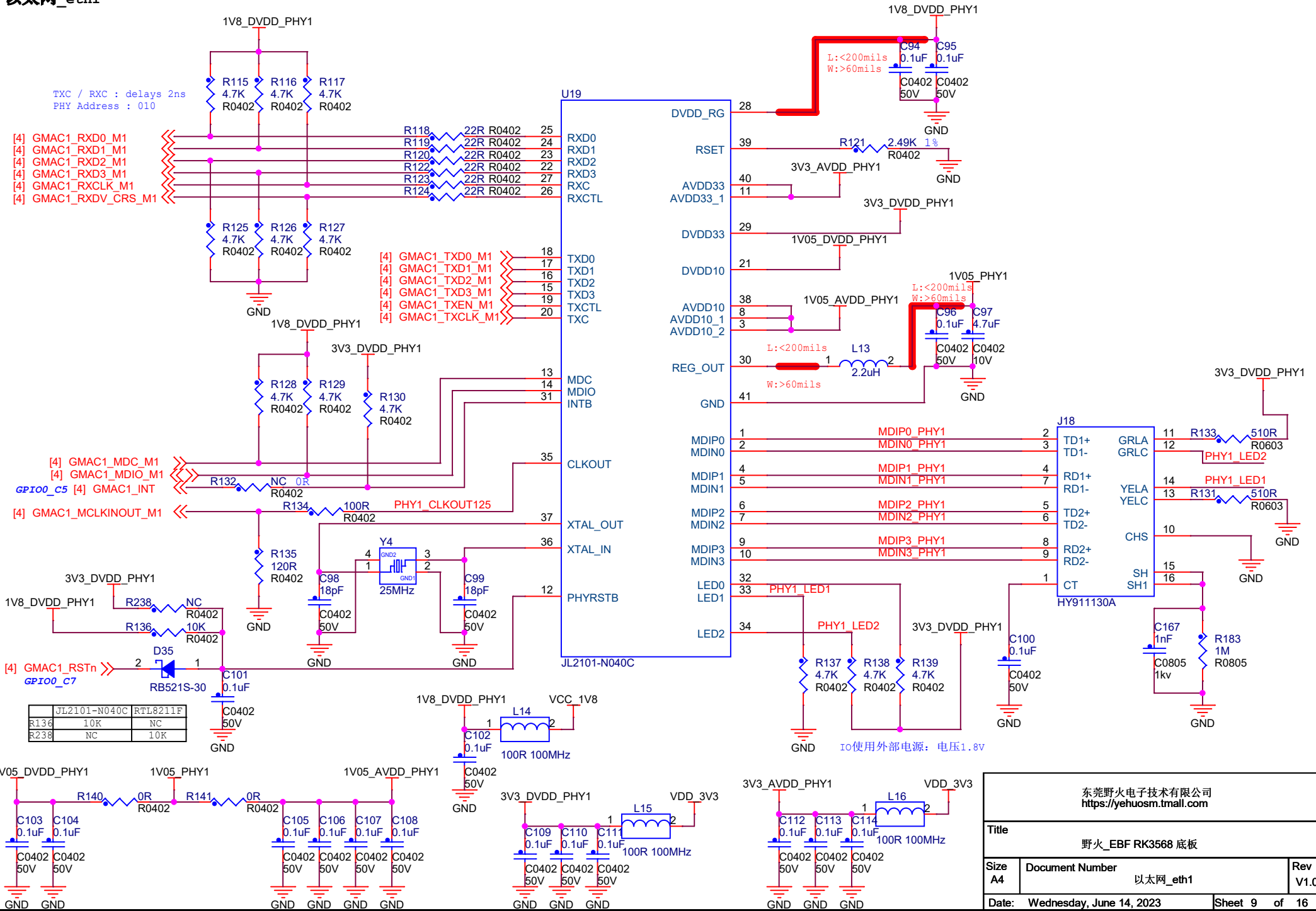
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以太网_eth0



以太网_eth1



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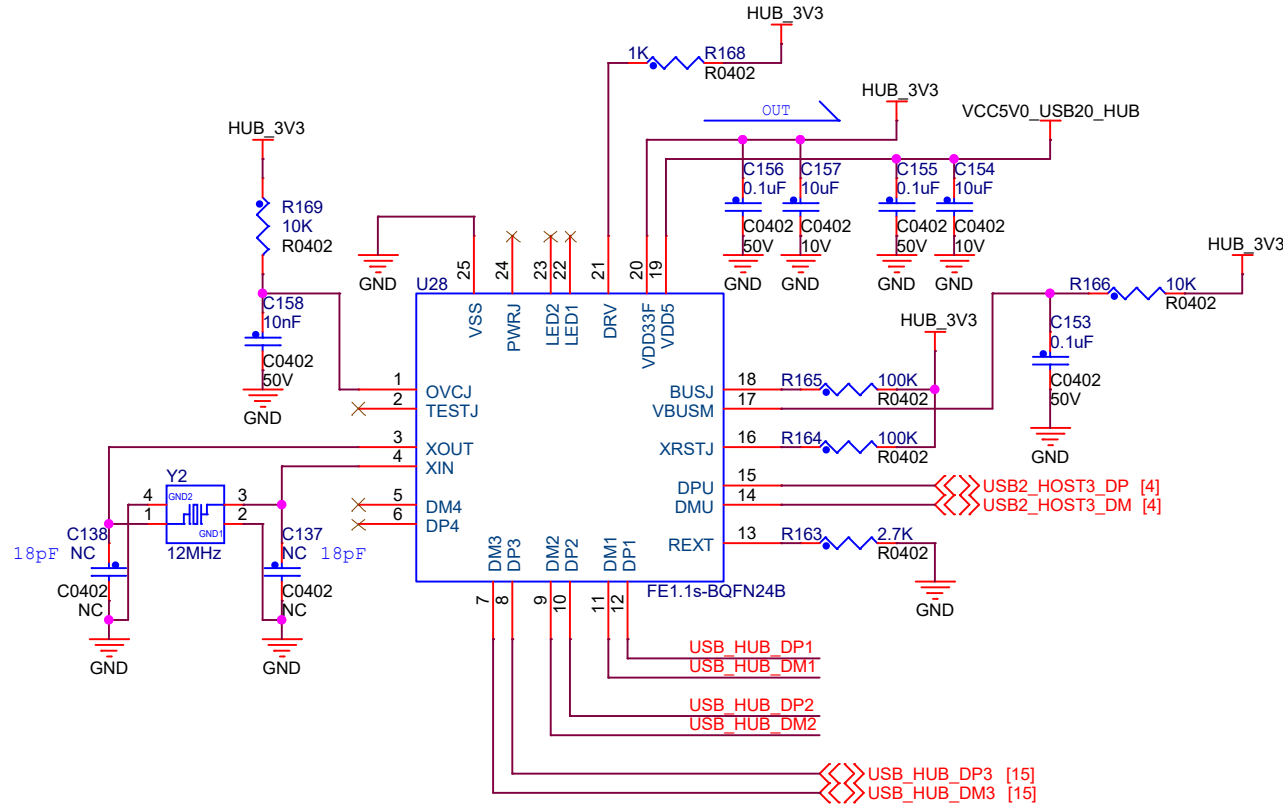
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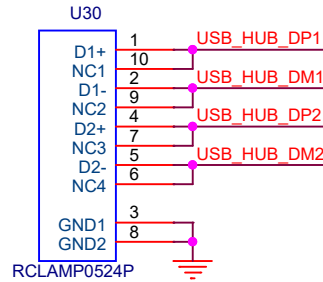
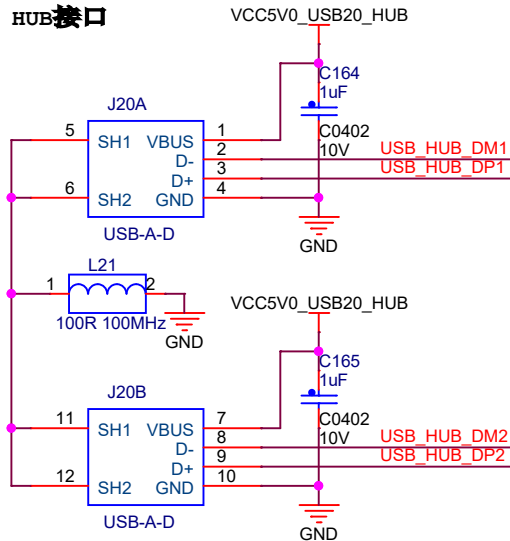
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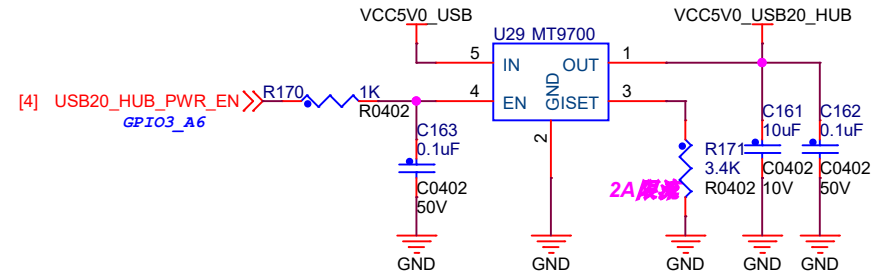
USB2.0 HUB



USB2.0 HUB接口



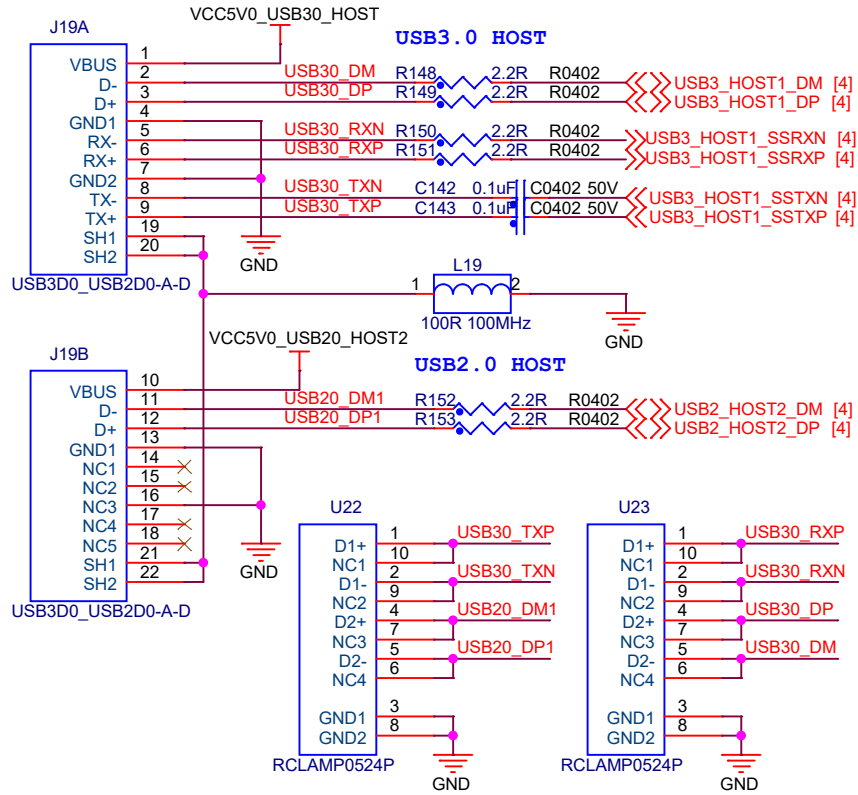
USB2.0 HUB PWR



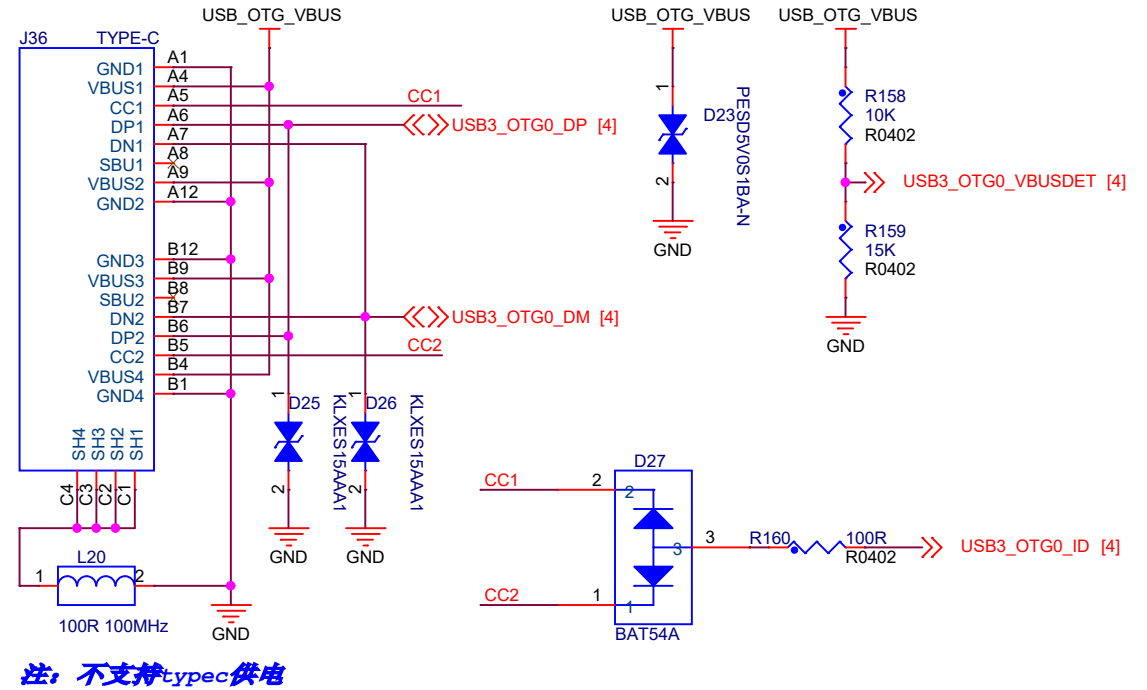
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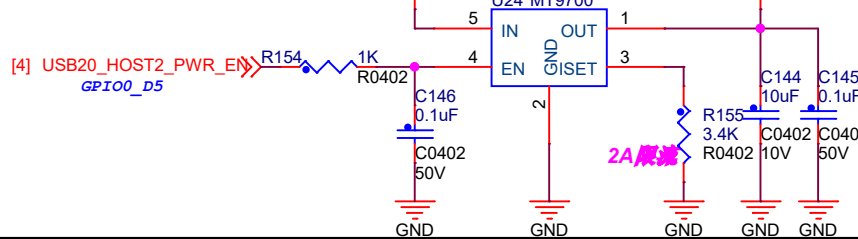
USB2.0 USB3.0 HOST



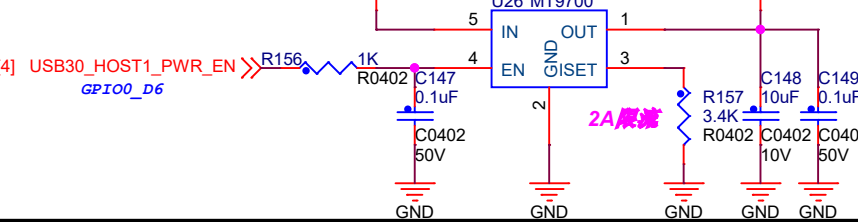
TYPE-C USB OTG



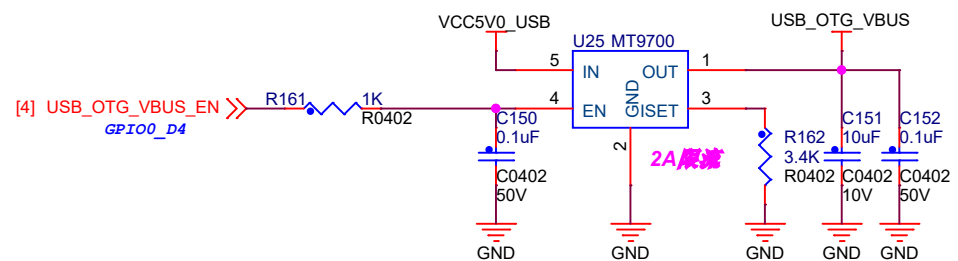
USB2.0 HOST2 PWR



USB3.0 HOST PWR



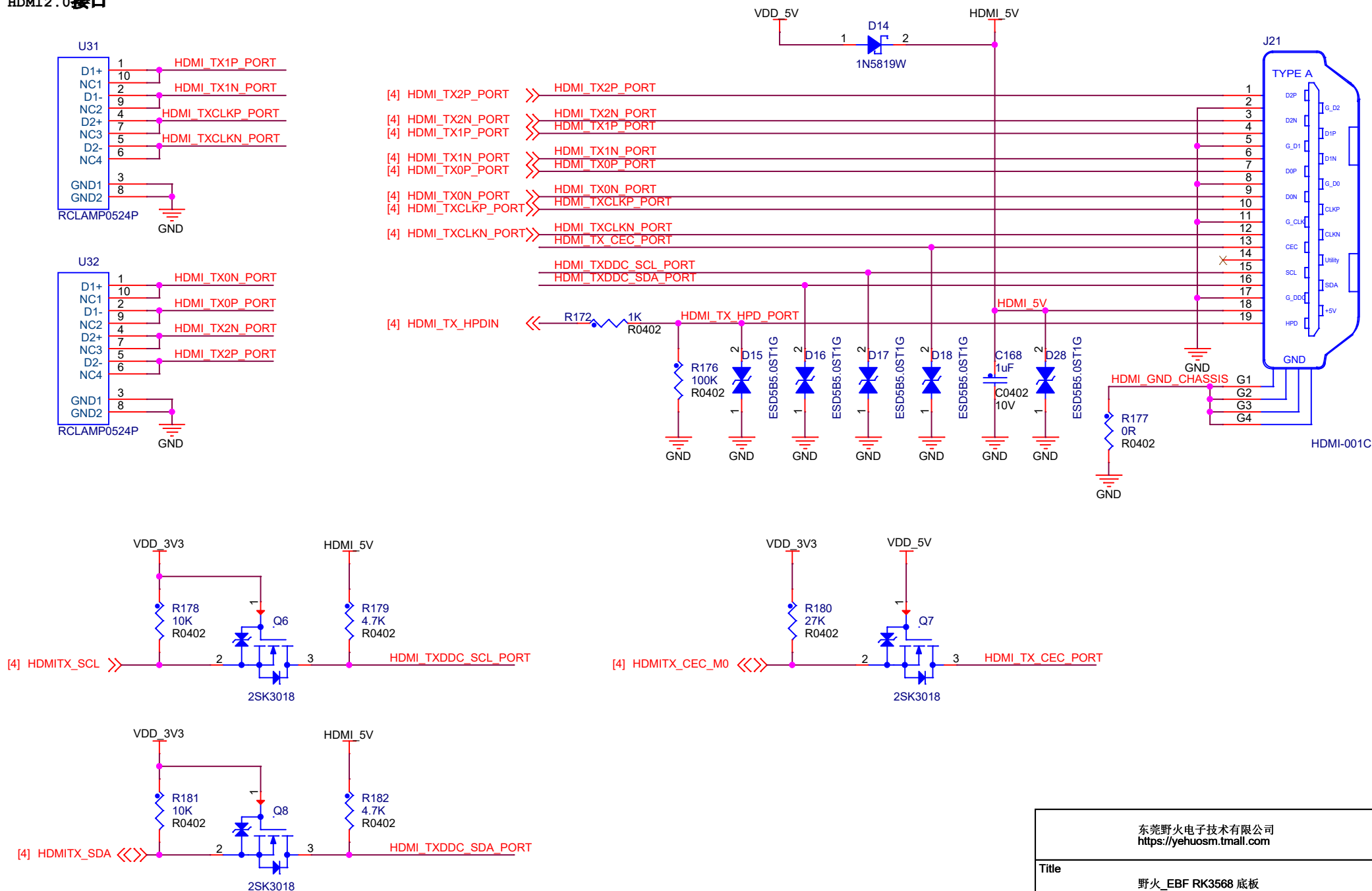
USB OTG VBUS



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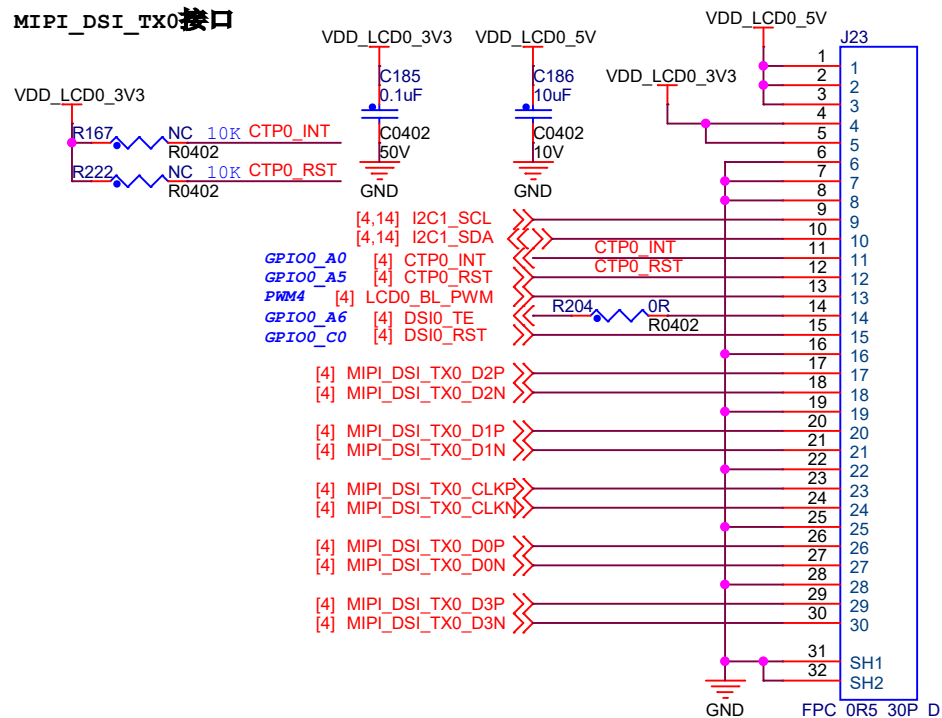
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A4	USB接口	V1.0	
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HDMI2.0接口

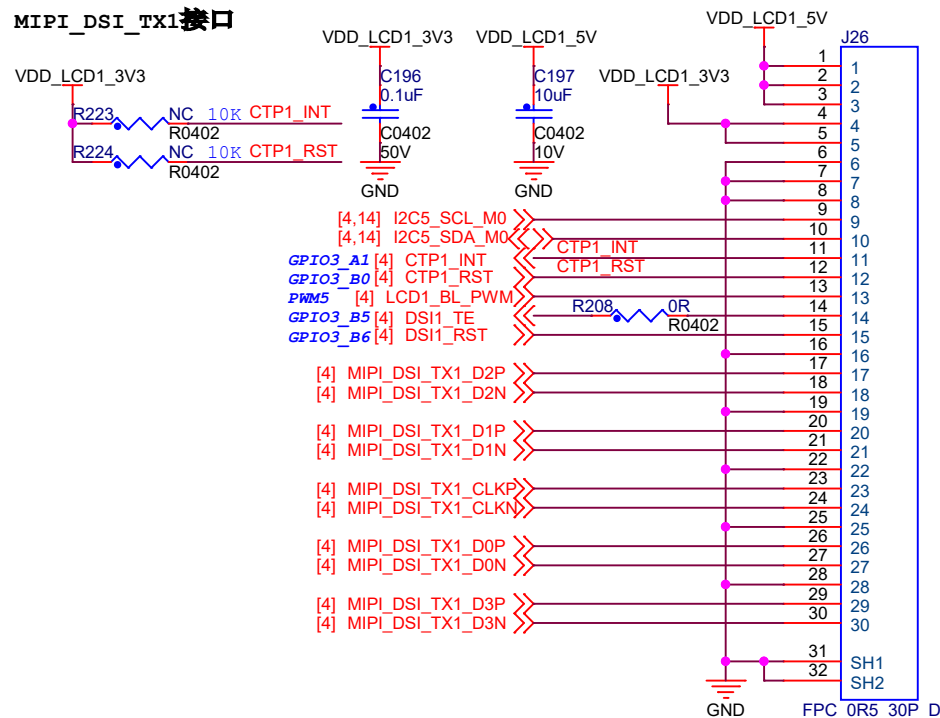


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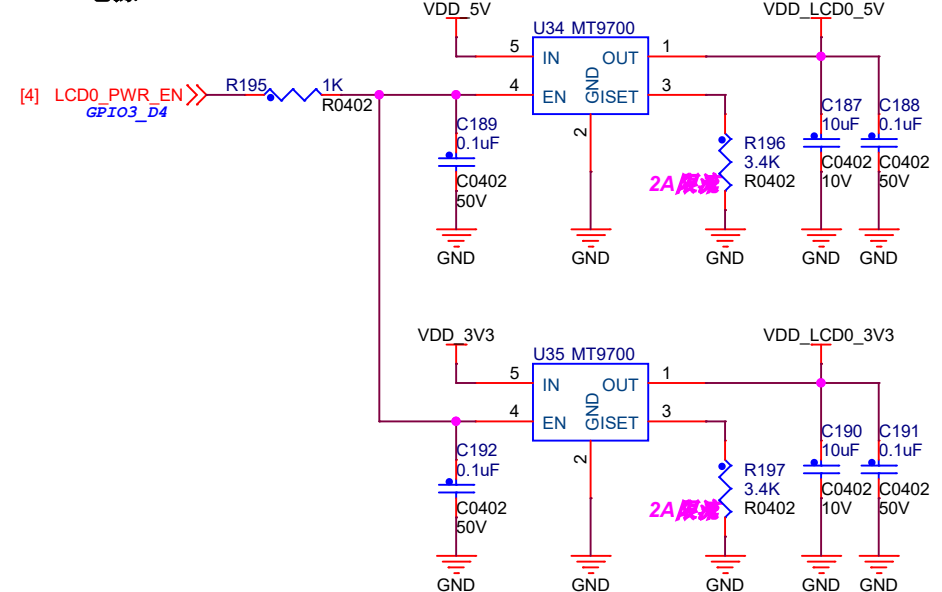
MIPI_DSI_TX0接口



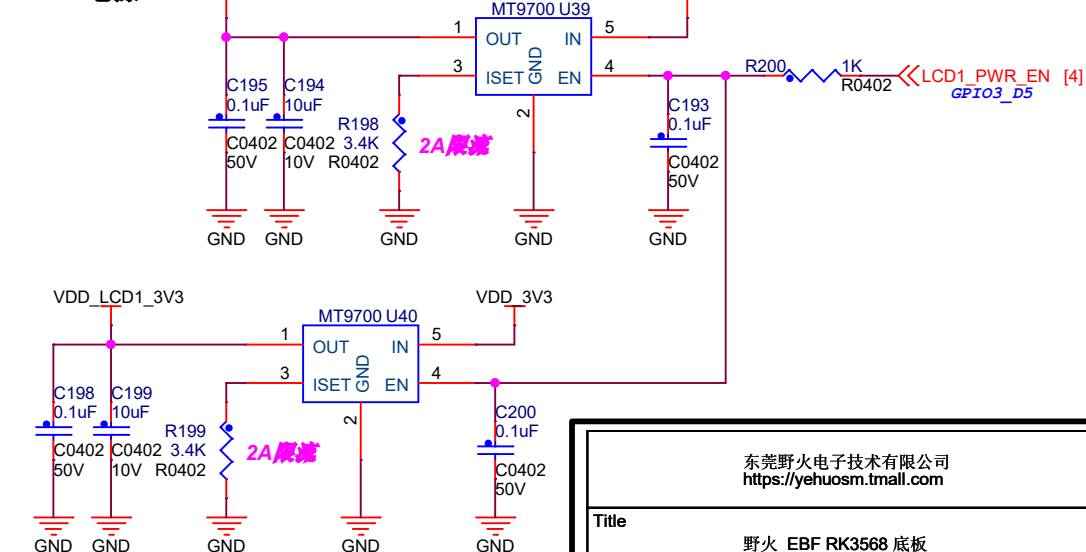
MIPI_DSI_TX1接口



LCD0 电源



LCD1 电源



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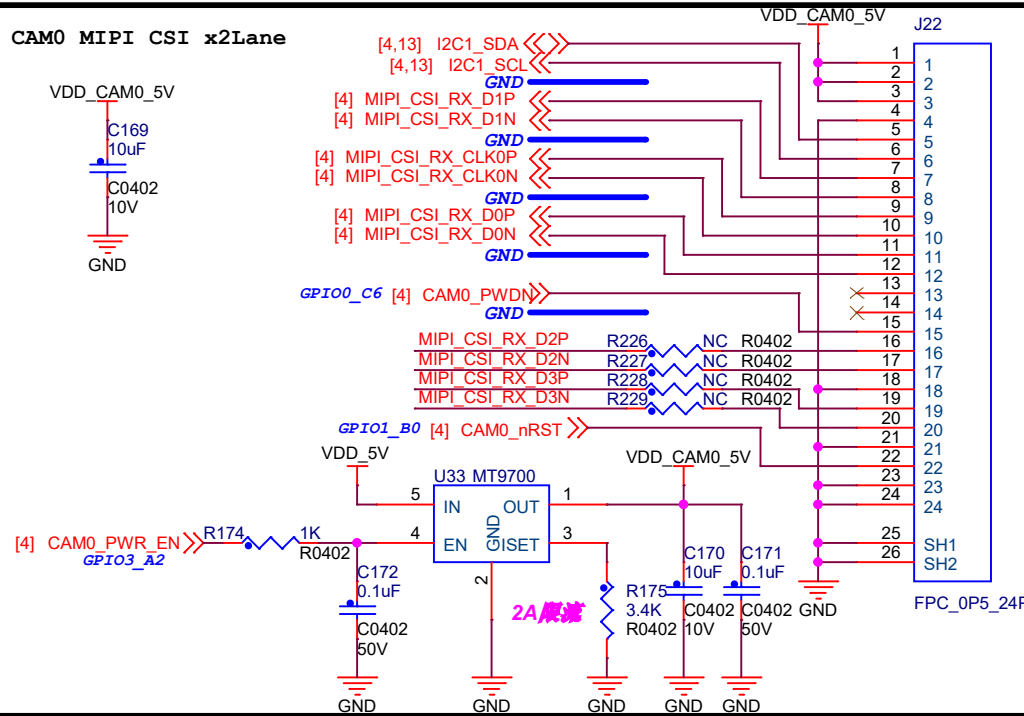
MIPI DSI

Rev
V1.0

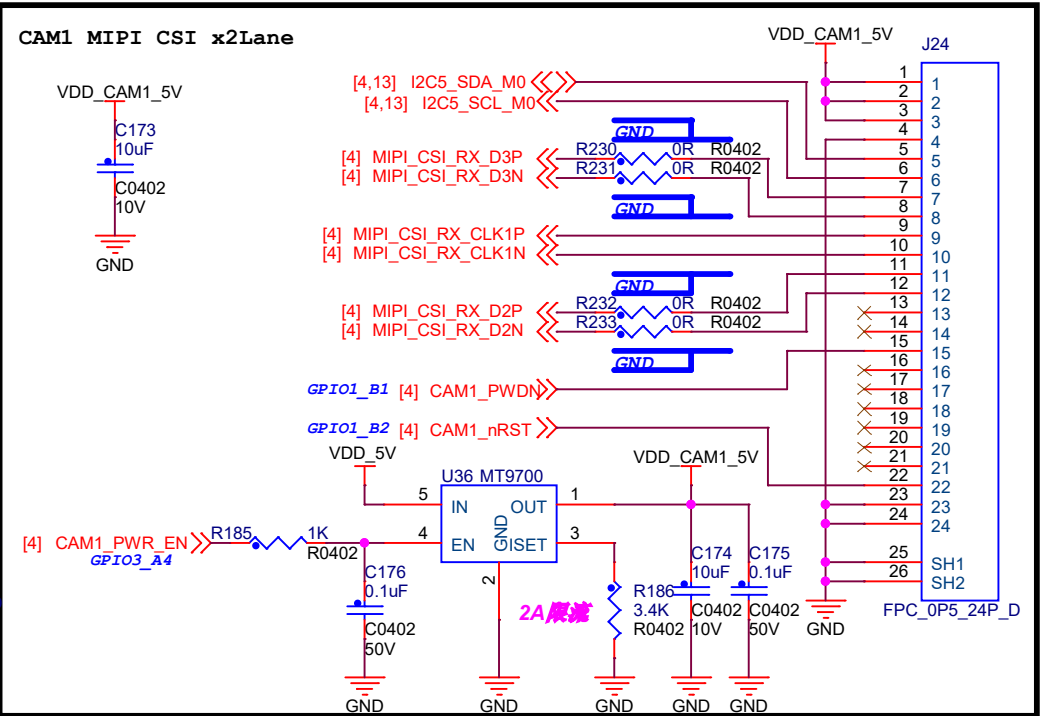
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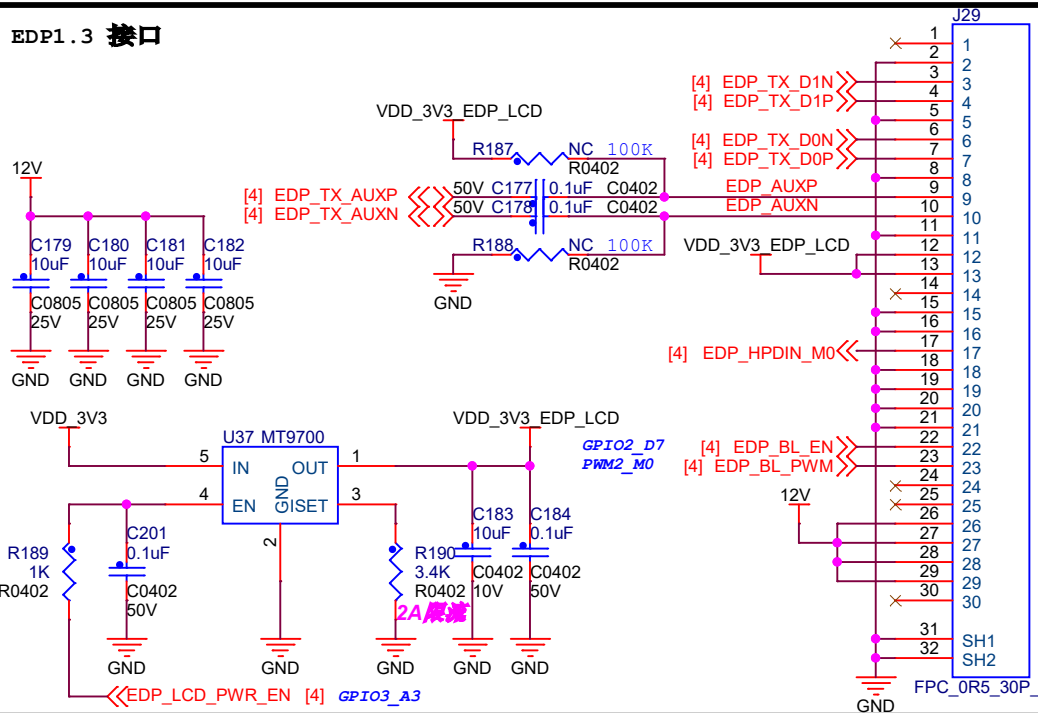
CAM0 MIPI CSI x2Lane



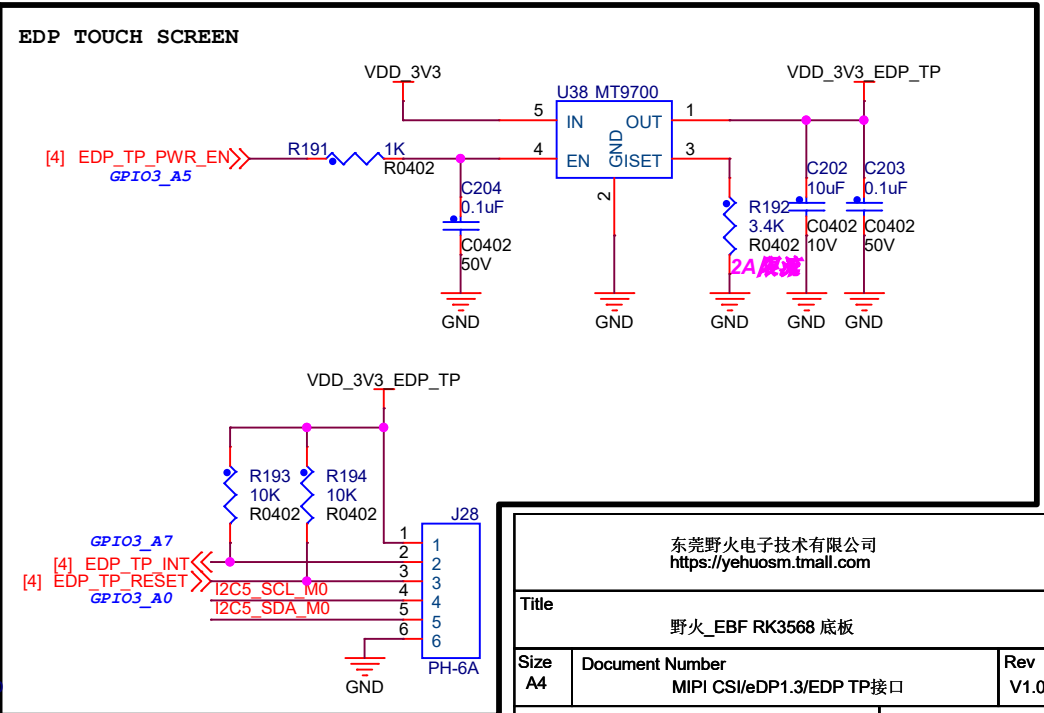
CAM1 MIPI CSI x2Lane



EDP1.3 接口



EDP TOUCH SCREEN



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