

野火_EBF RK3566 BTB 底板 原理图

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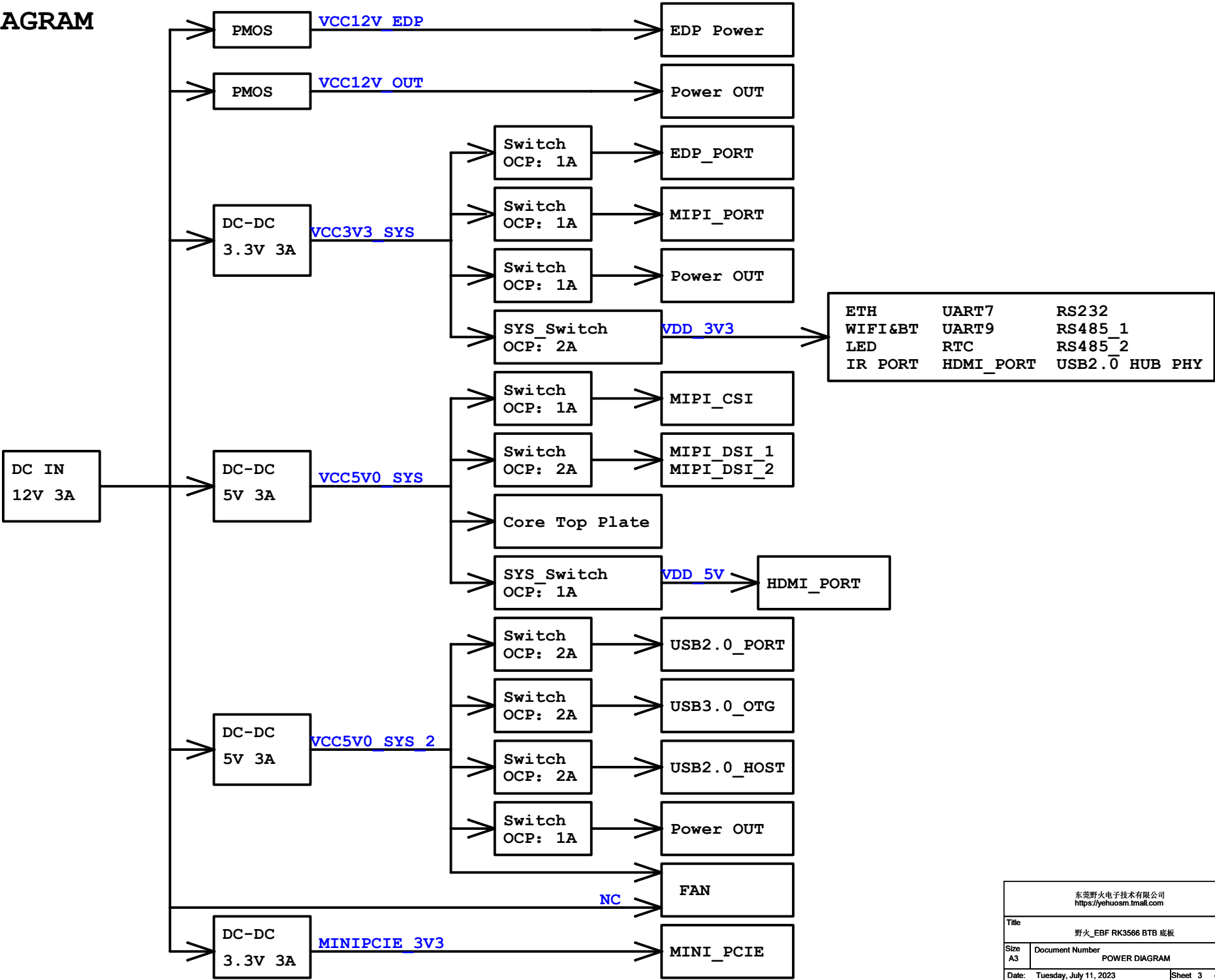
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历史版本

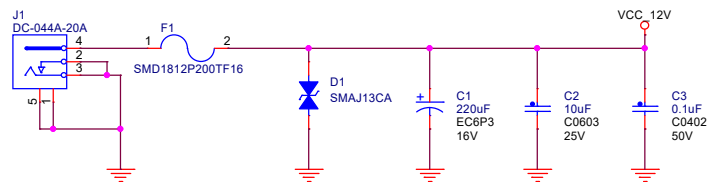
版本号	日期	设计	描述
V1.0	2023-03-07	ghs	初始版本

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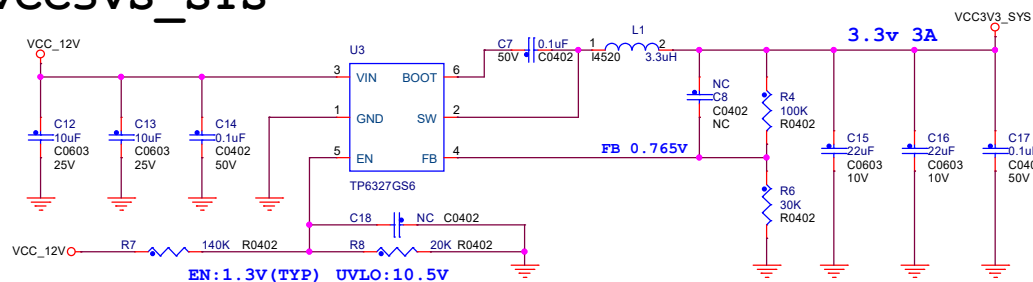
POWER DIAGRAM



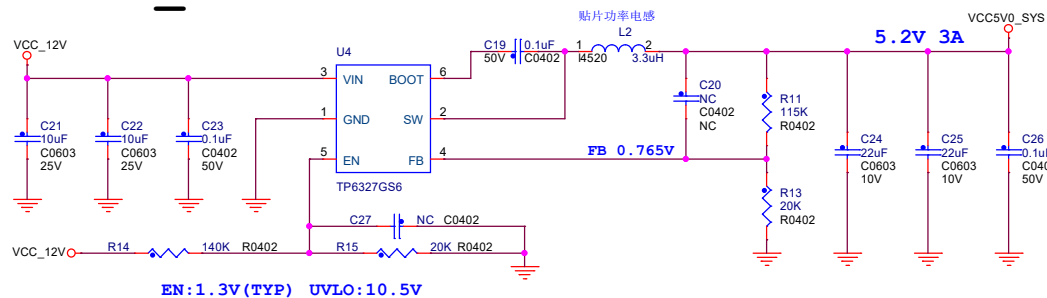
DC IN : 12V



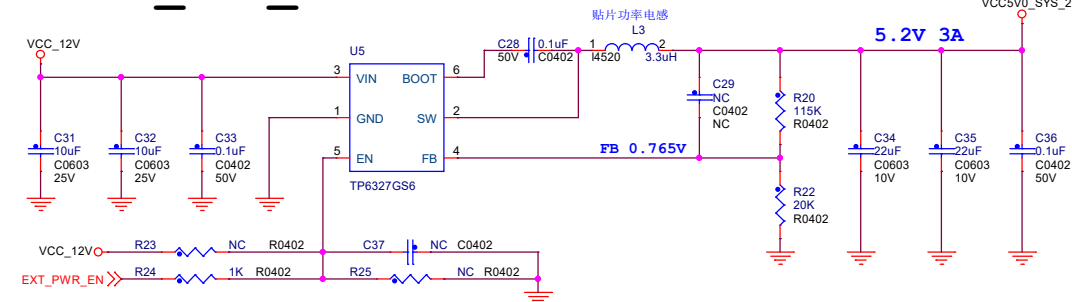
VCC3VS_SYS



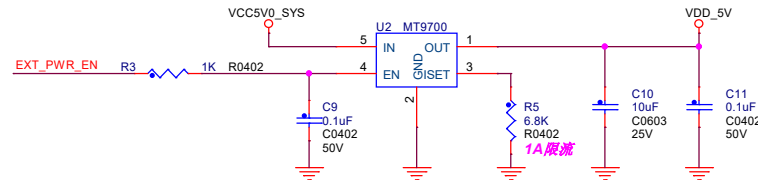
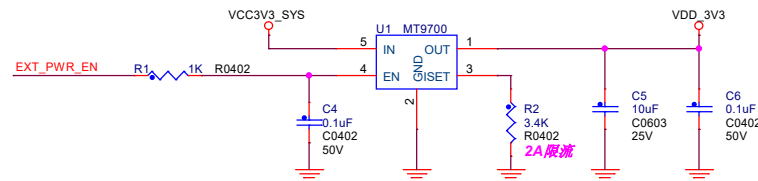
VCC5V0_SYS



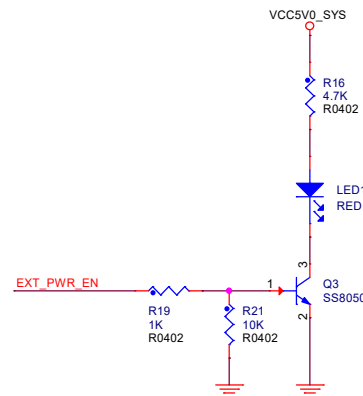
VCC5V0_SYS_2



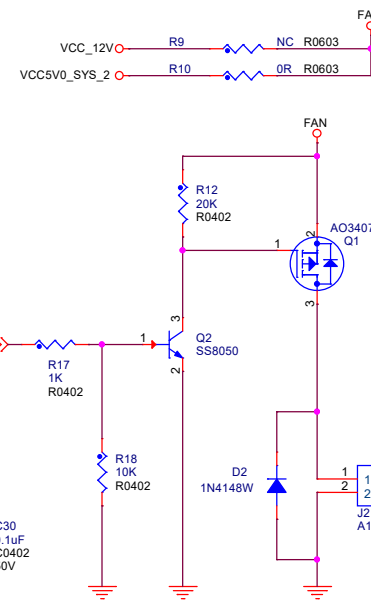
SYSTEM Power SW And OCP



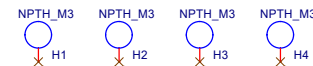
SYS Power LED



CPU FAN



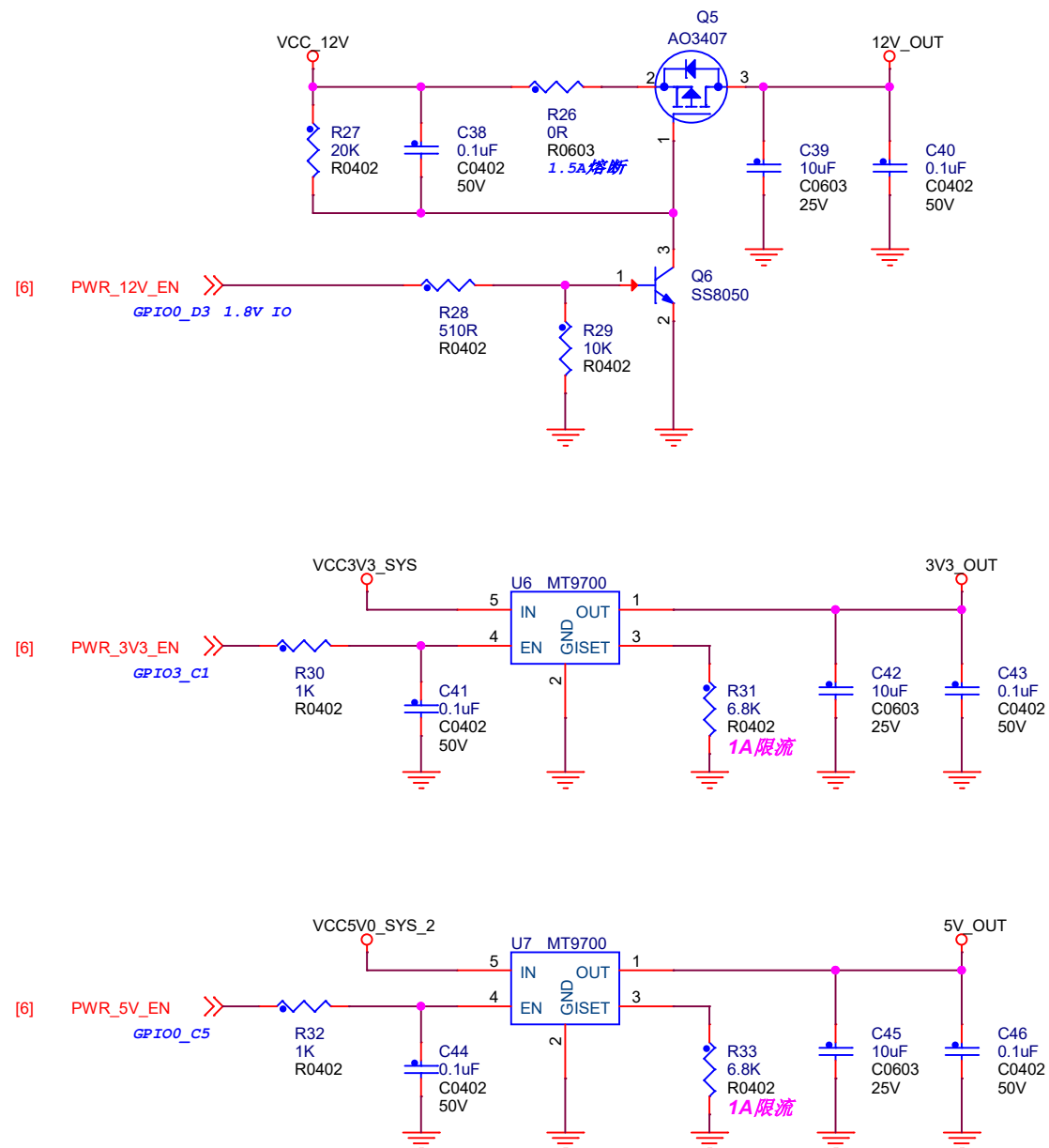
Fix Hole



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A3	DC IN/POWER/FAN	V1.0
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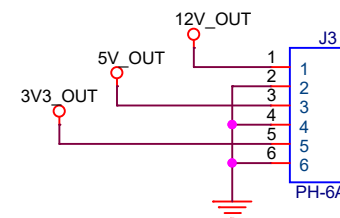
Power OutPut SW



Power Output

OCP: 3.3V 1A

OCP: 5V 1A



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Title

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A4

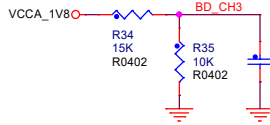
Document Number
POWER OUT PORT

Rev
V1.0

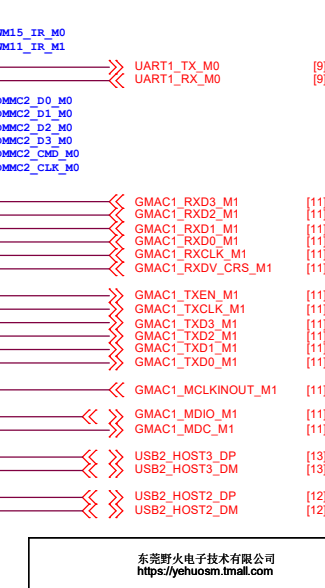
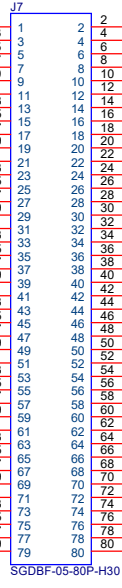
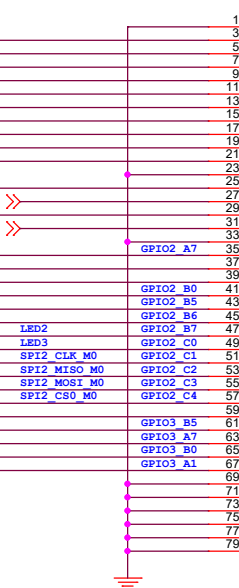
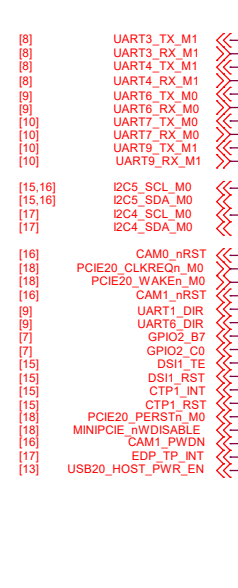
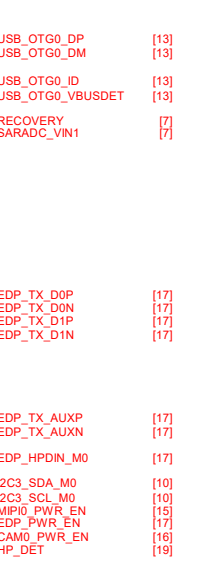
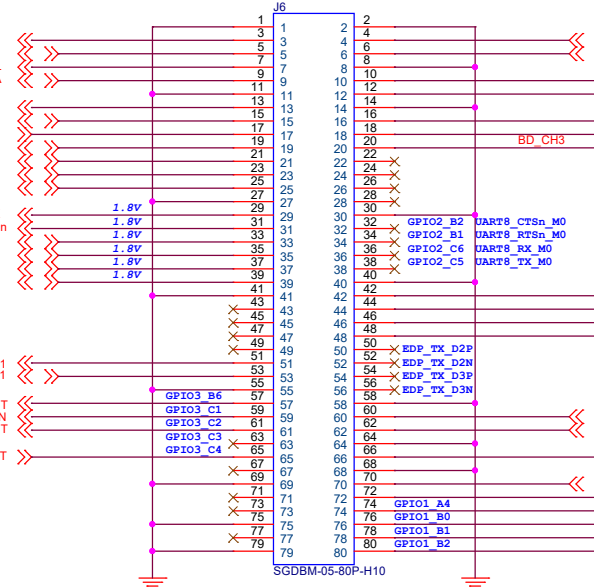
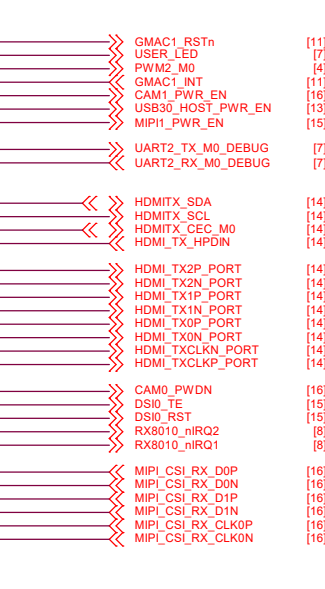
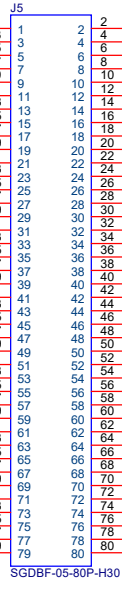
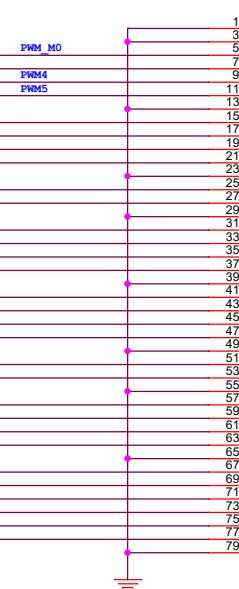
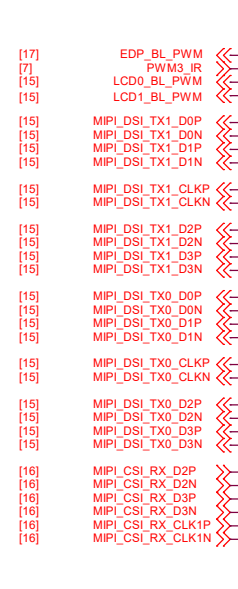
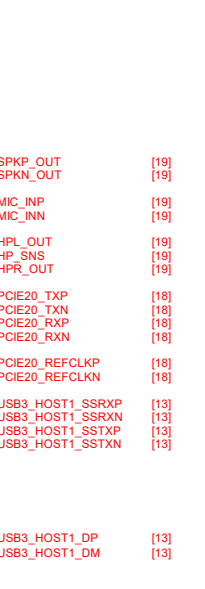
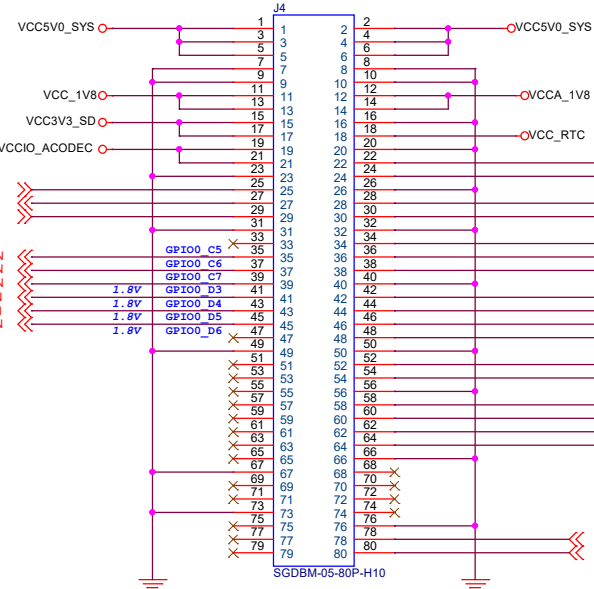
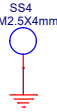
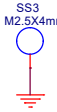
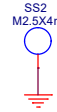
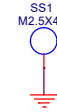
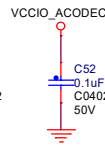
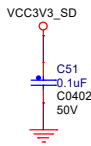
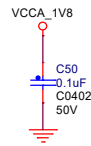
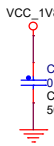
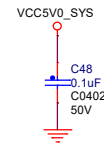
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BD ID



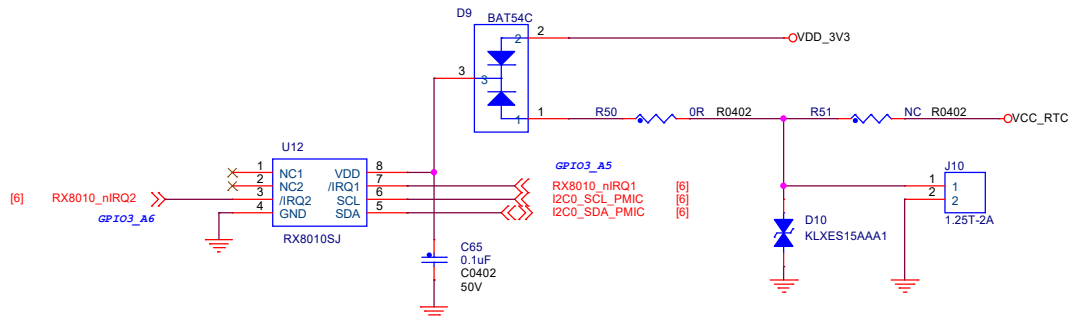
Board ID:17
BD_CH3:0.72V
ADC值:409



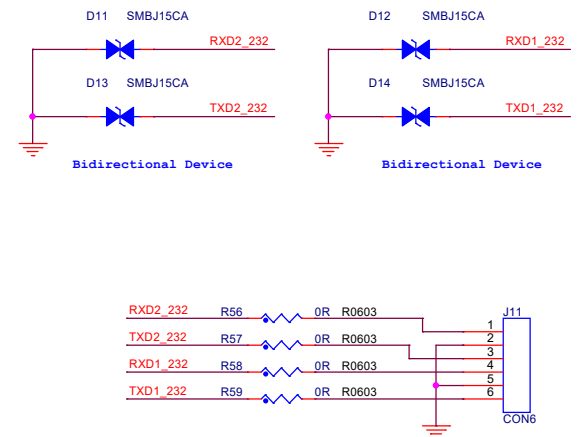
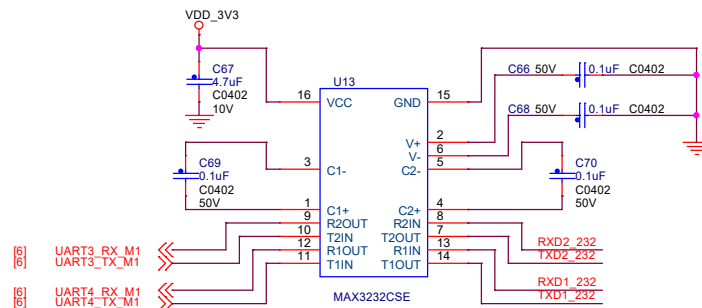
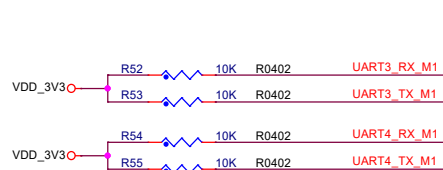
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Title			
野火_EBF RK3568 BTB 底板			
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A3	BTB Connector	V1.0	
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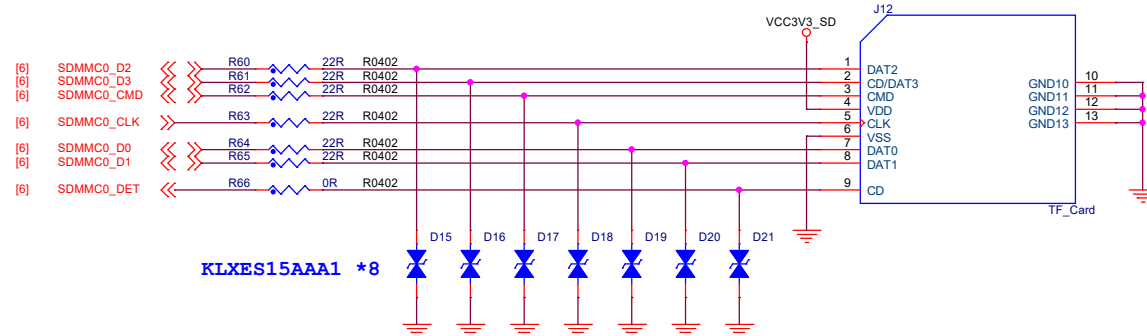
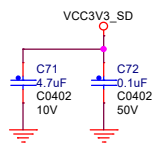
RTC



RS232 PORT

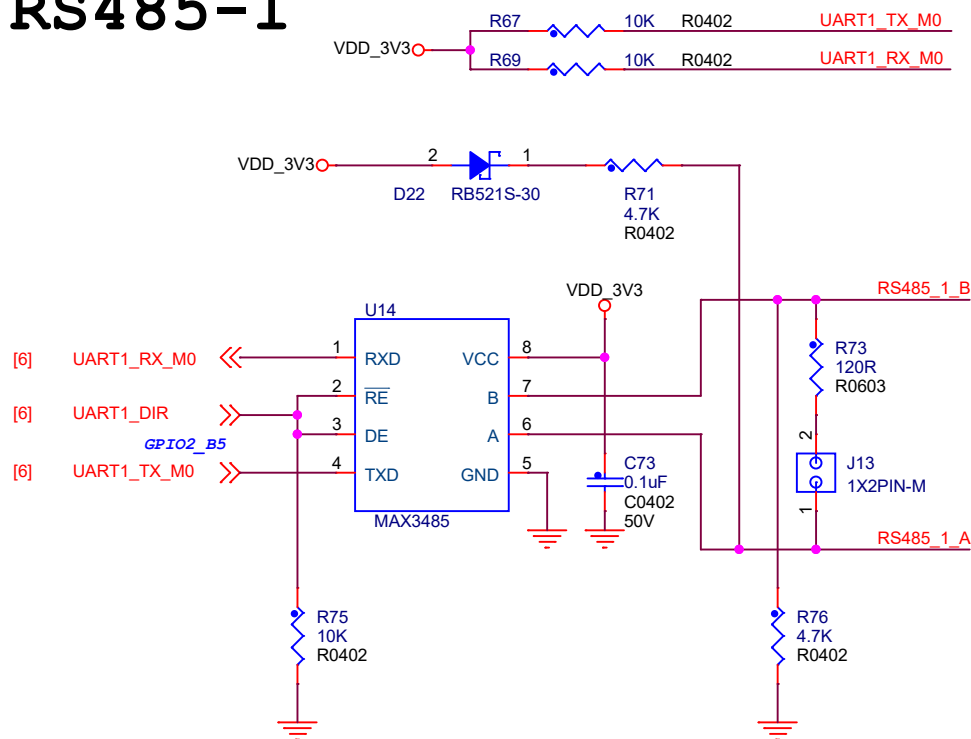


SD Card

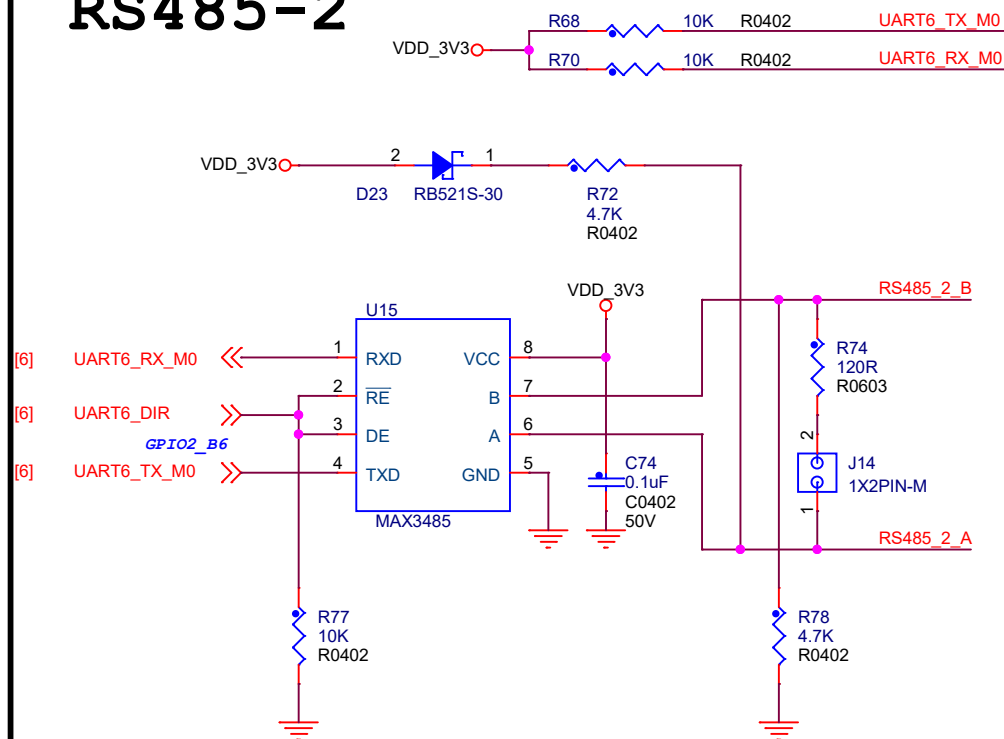


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Title		
野火_EBF RK3566 BTB 底板		
Size	Document Number	Rev
A3	SD/RTC/RS232	V1.0
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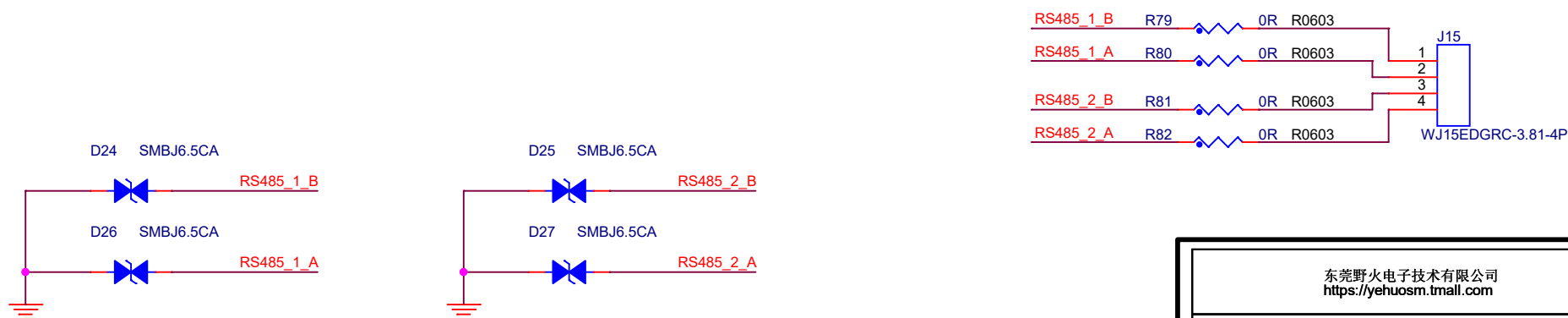
RS485-1



RS485-2



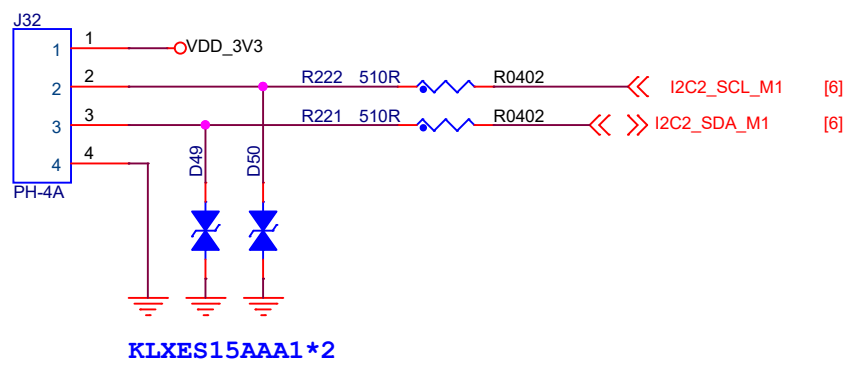
RS485 PORT



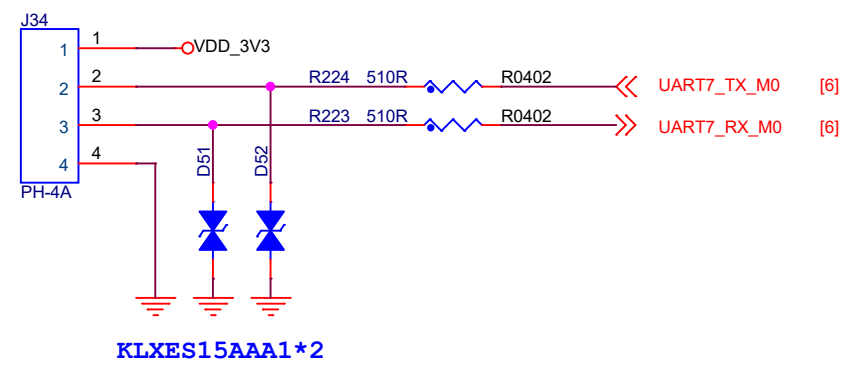
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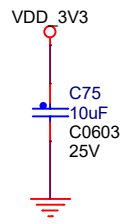
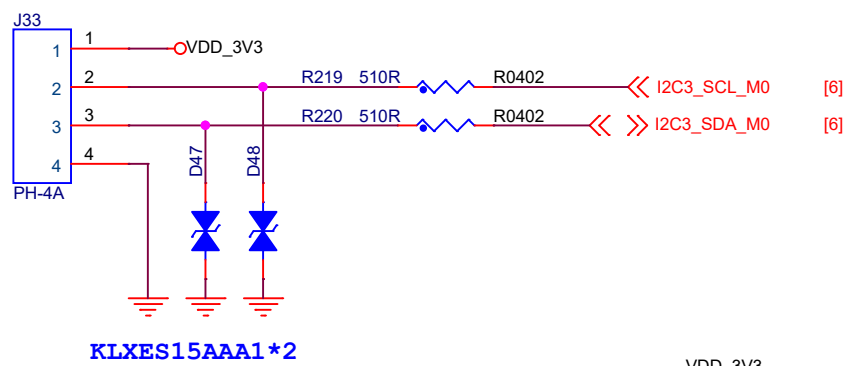
I2C PORT 0



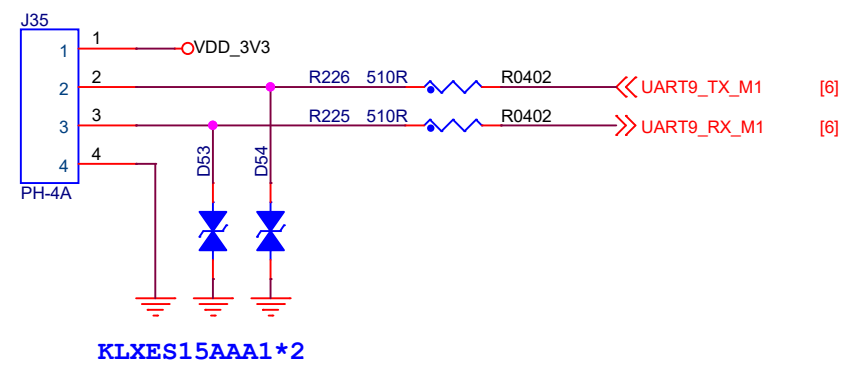
UART PORT 0



I2C PORT 1

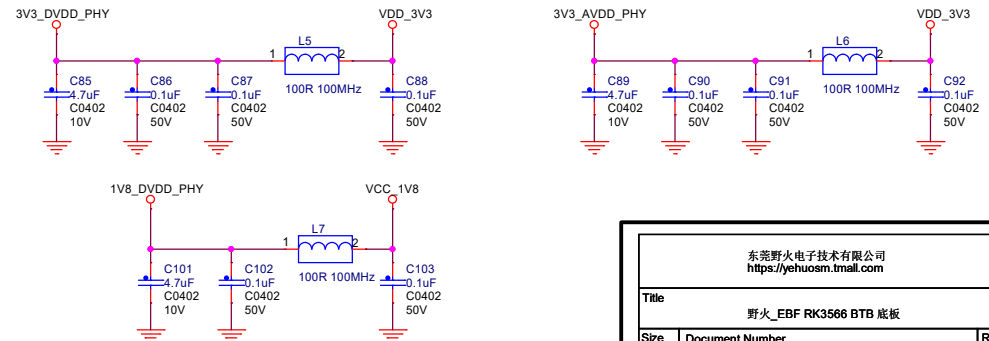
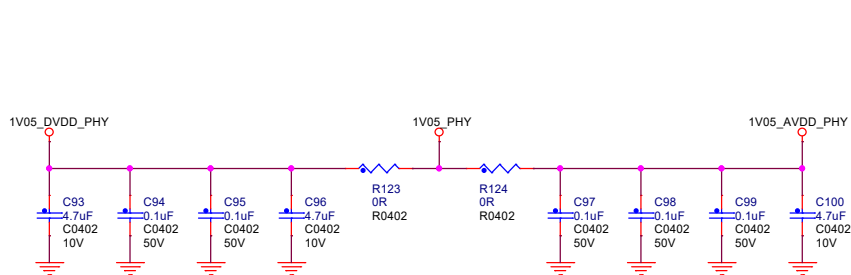
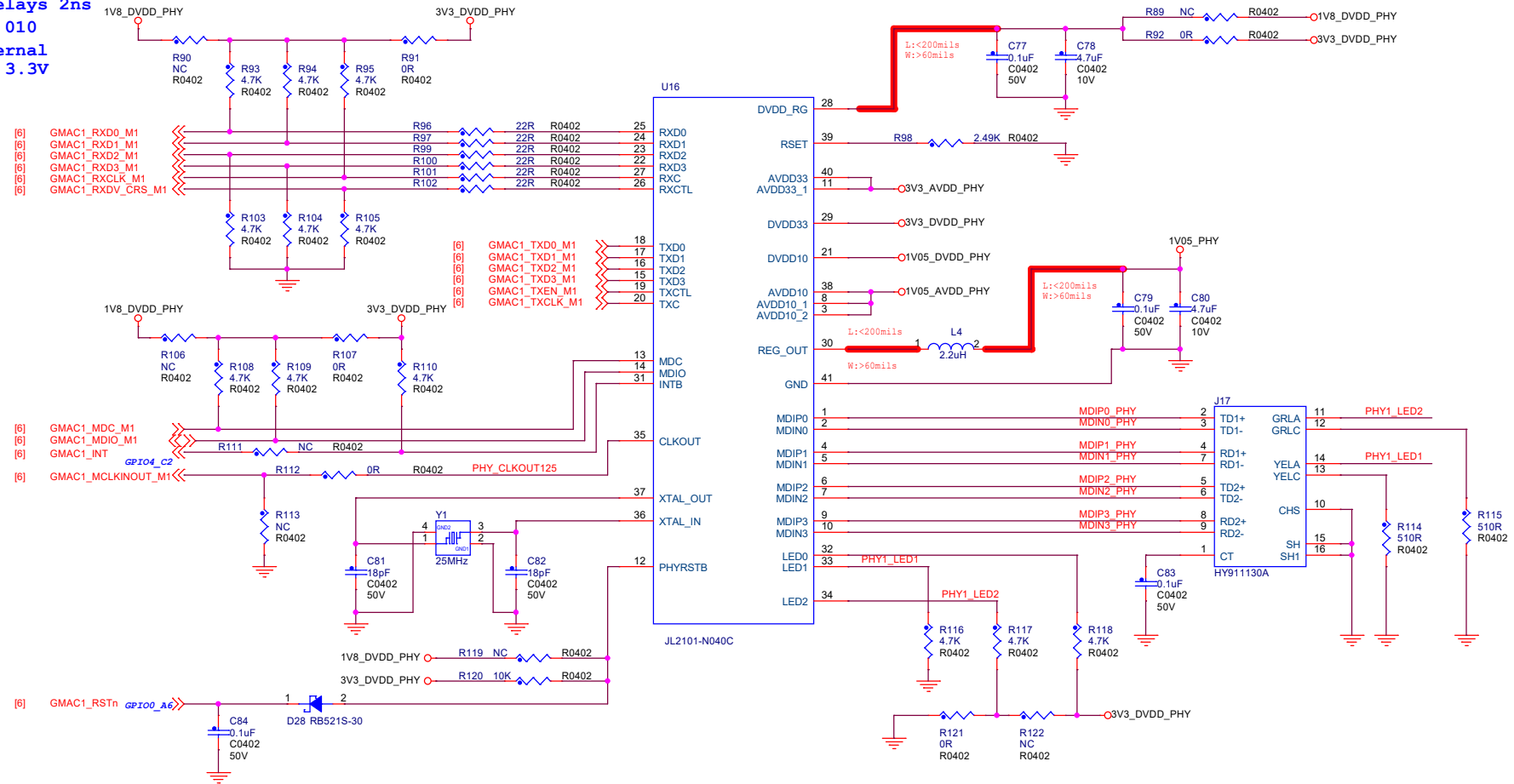


UART PORT 1



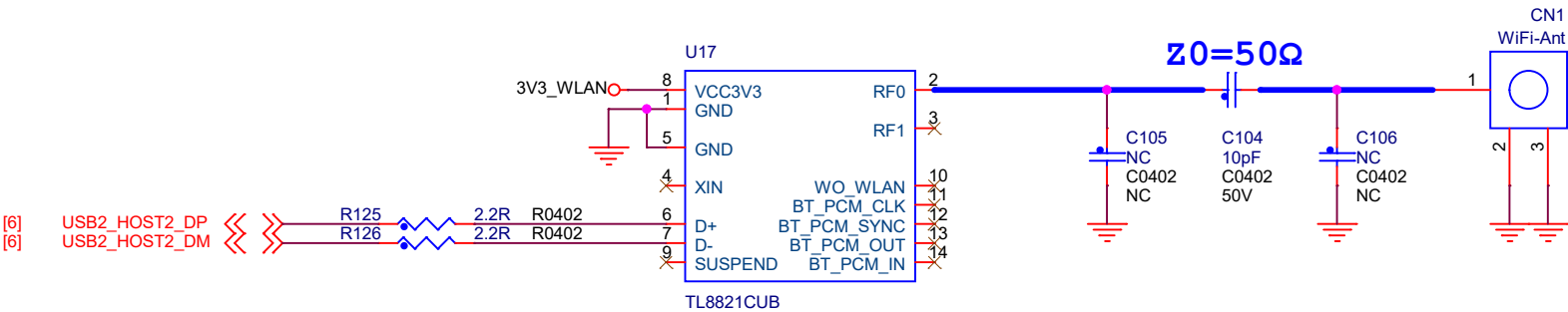
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TXC / RXC : delays 2ns
PHY Address : 010
IO use an external
power supply: 3.3V

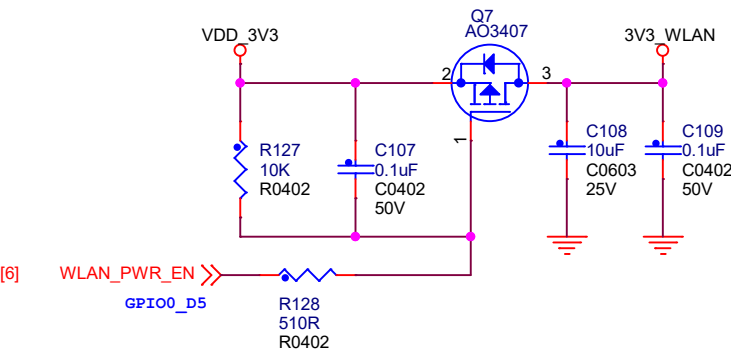


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WLAN & BT

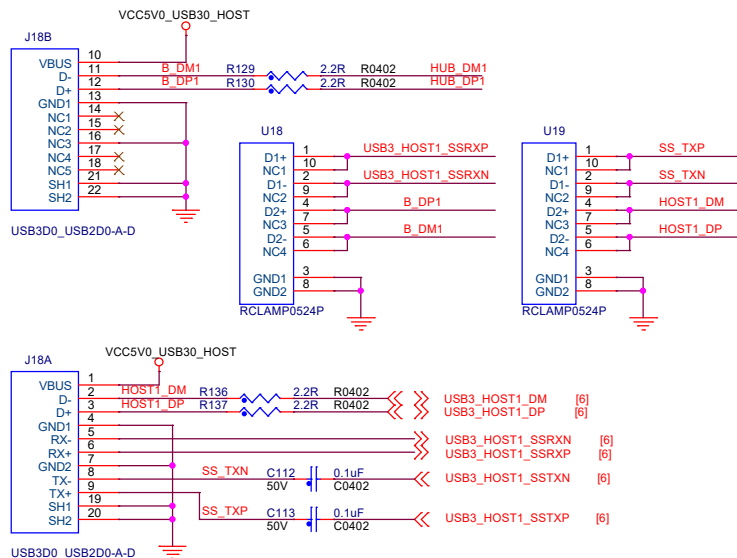


WLAN Power

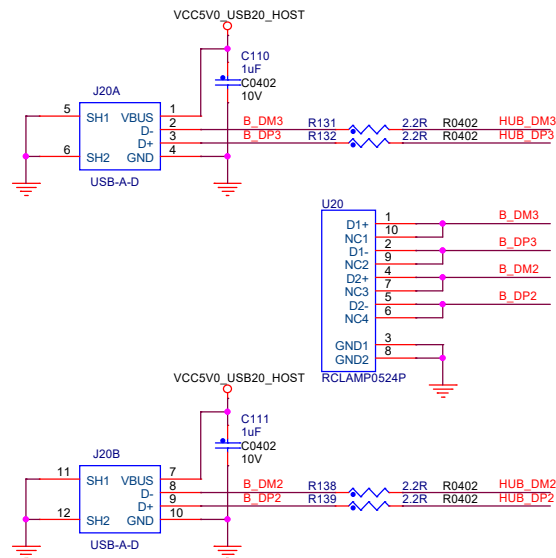


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Size A4	Document Number WLAN & BT	Rev V1.0
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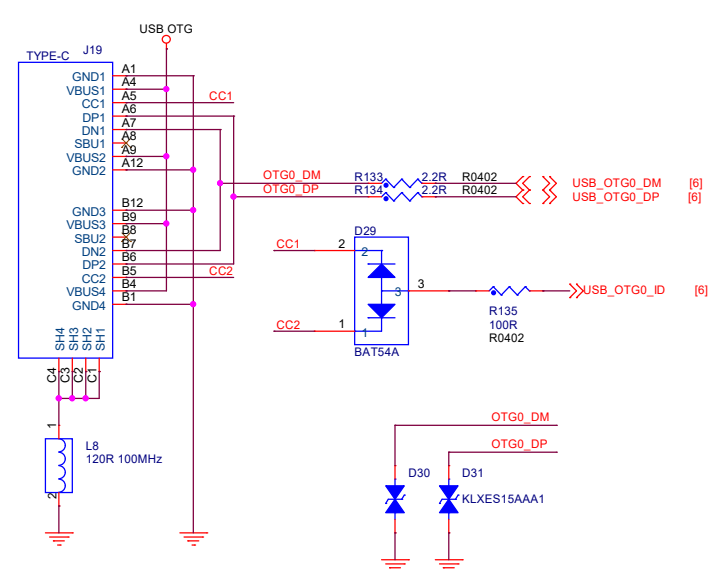
USB3.0 HOST & OTG



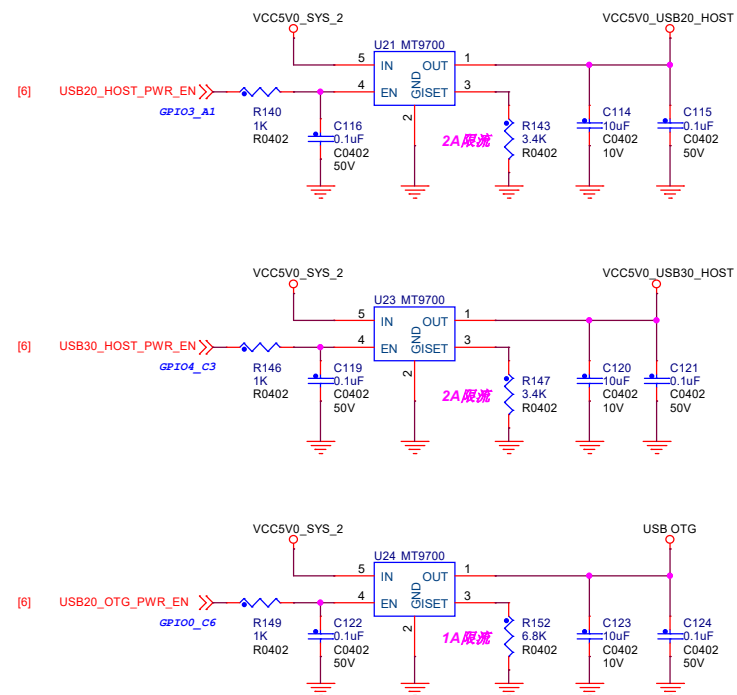
USB2.0 HOST



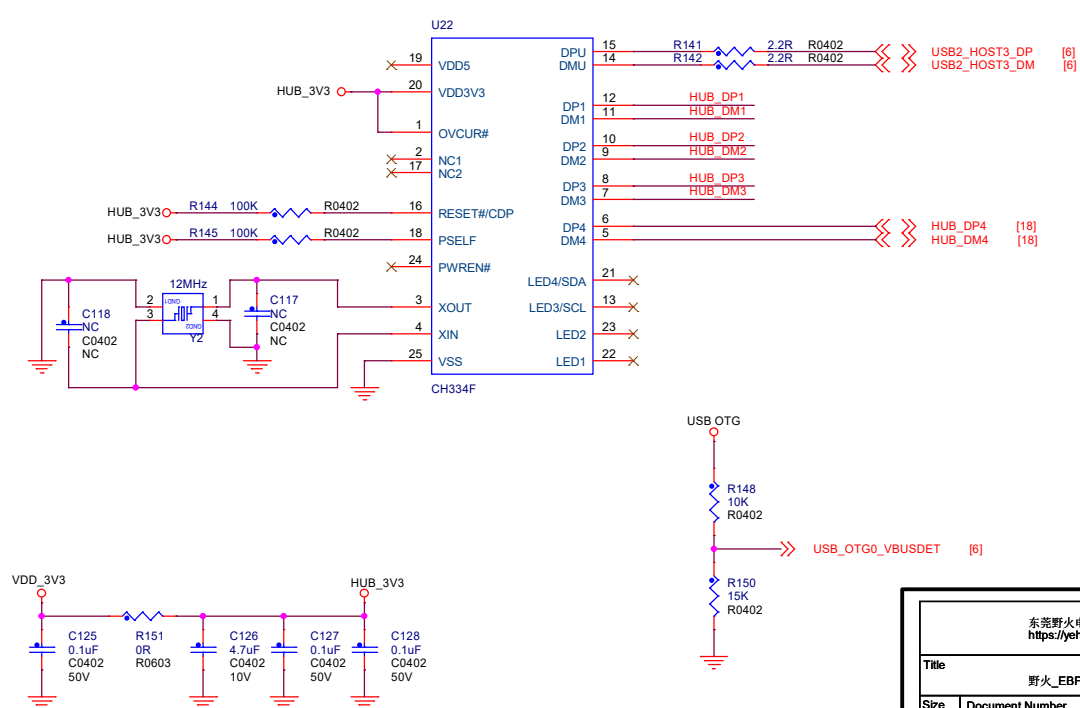
TYPE-C OTG



HOST Power

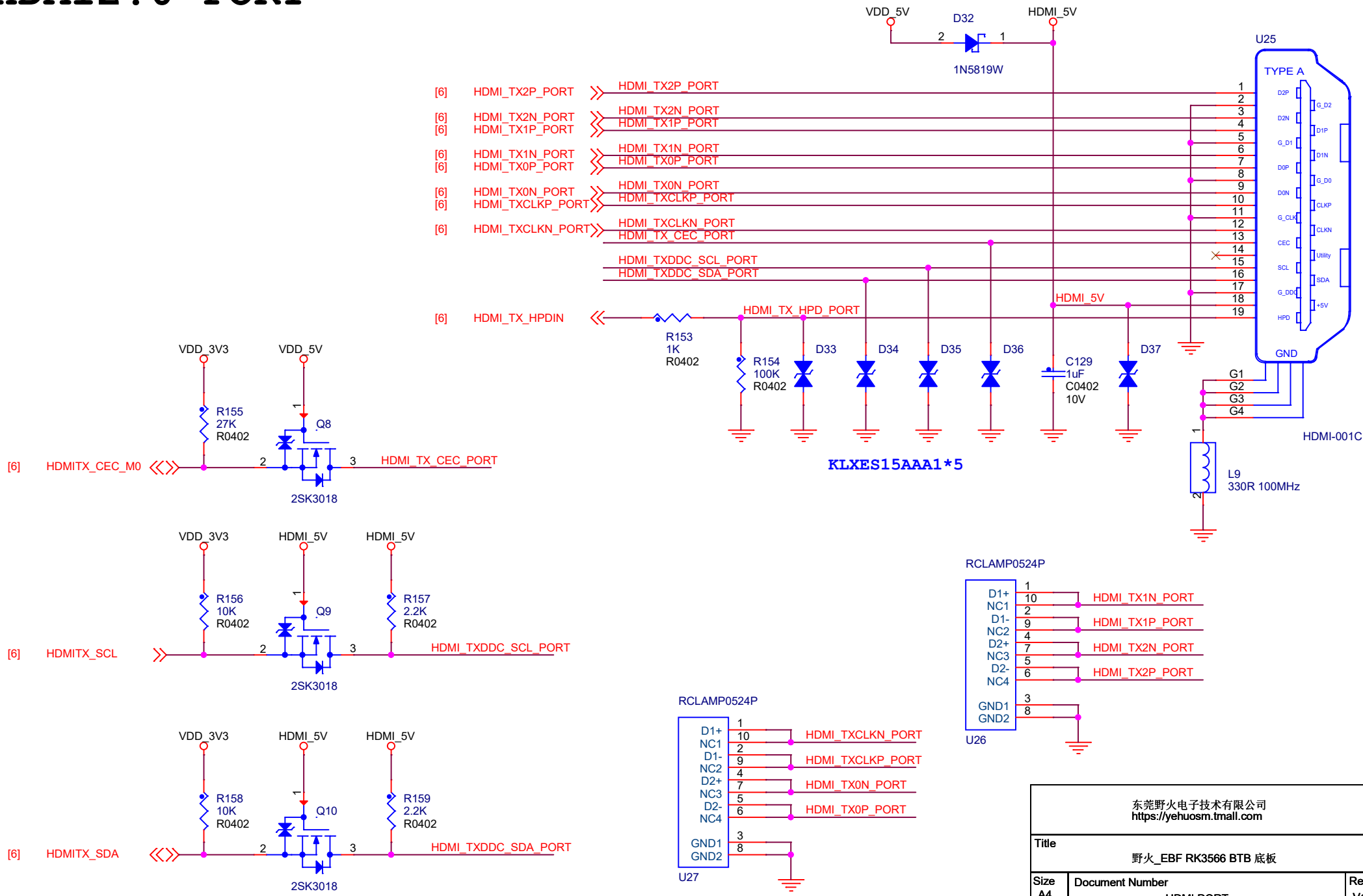


USB 2.0 HUB PHY



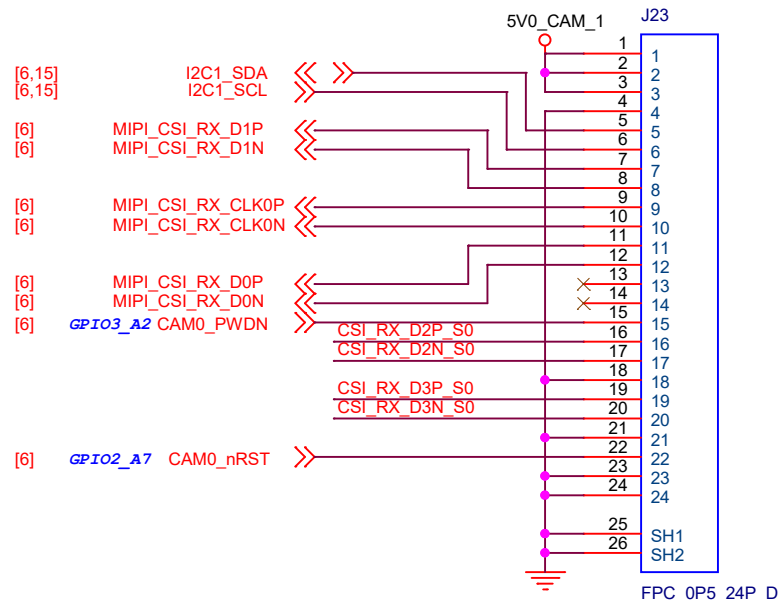
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Size A3	Document Number USB PORT	Rev V1.0
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HDMI2.0 PORT

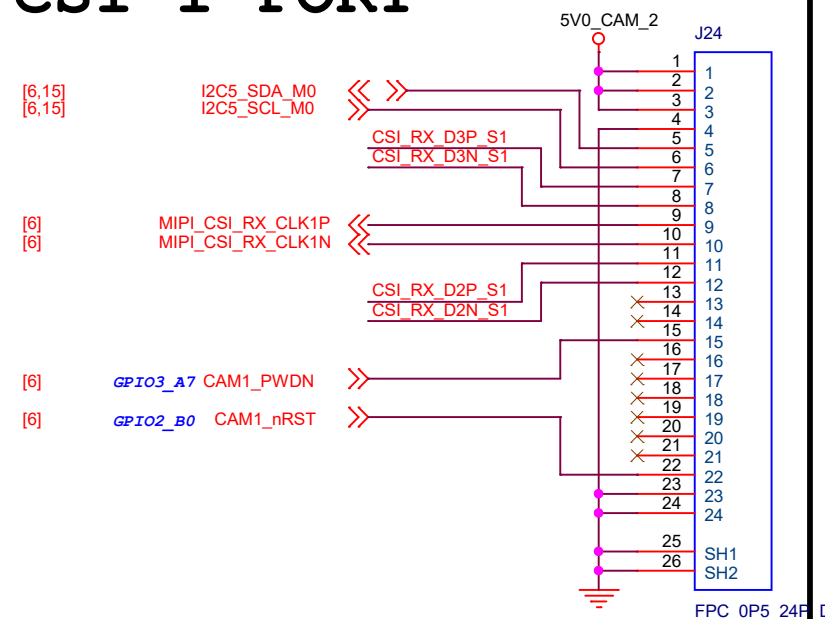


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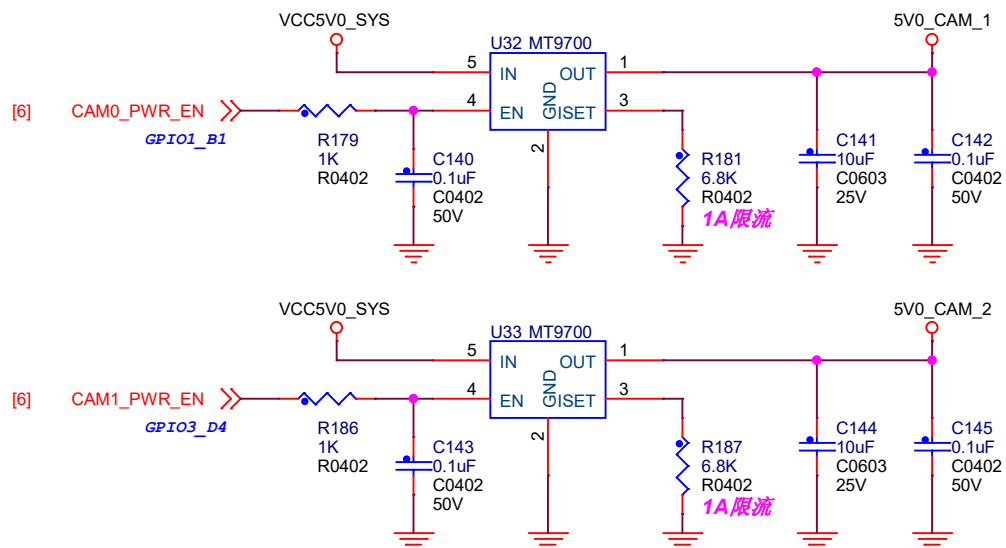
MIPI CSI 0 PORT



MIPI CSI 1 PORT

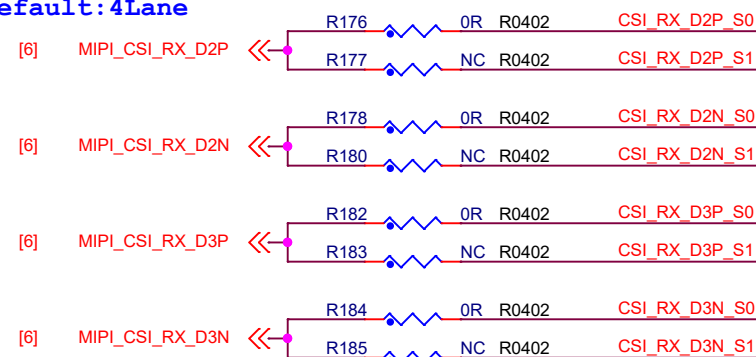


MIPI CSI Power



Channel Gating

Default: 4Lane



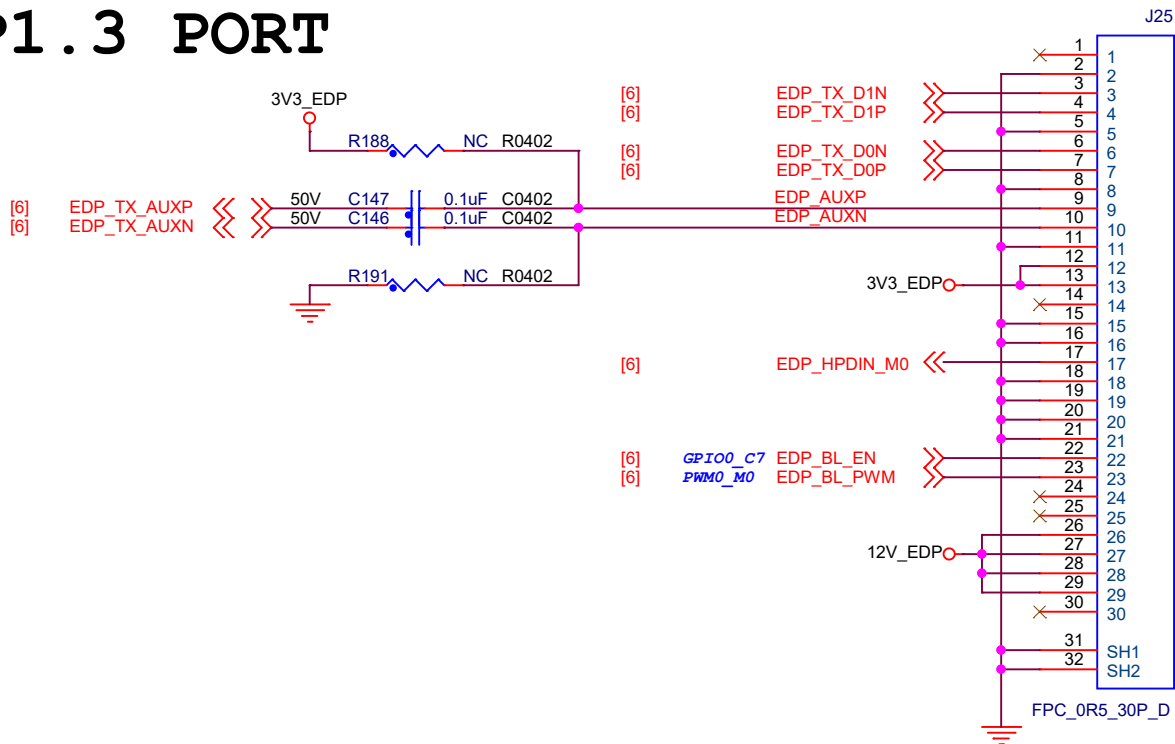
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Title
野火_EBF RK3566 BTB 底板

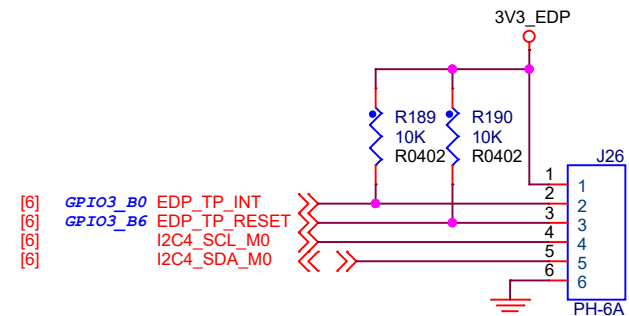
Size A4 Document Number MIPI CSI PORT Rev V1.0

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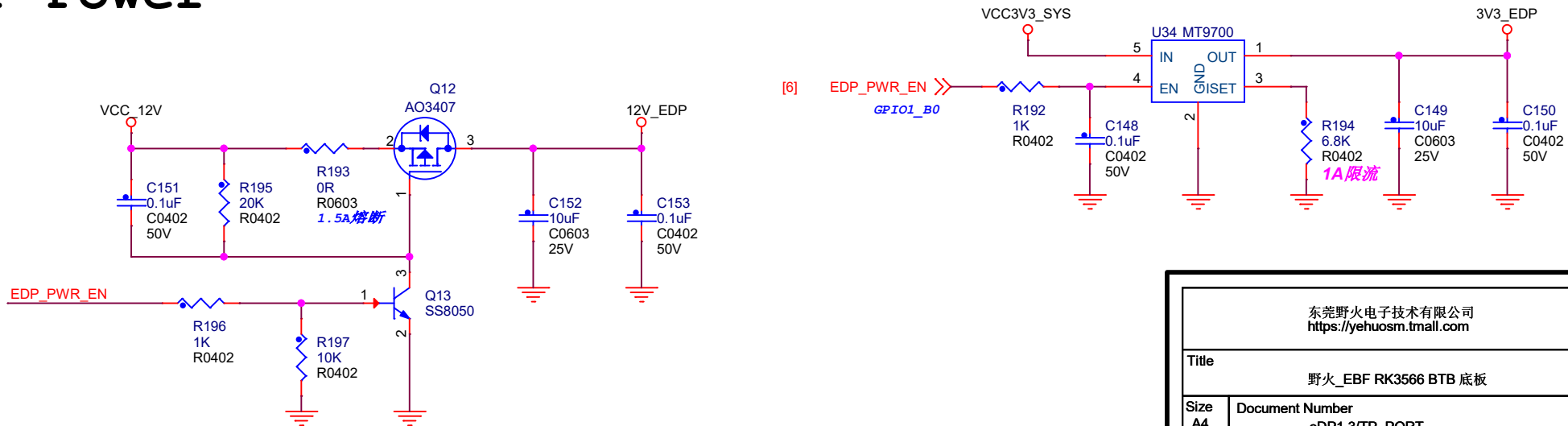
eDP1.3 PORT



EDP TOUCH



EDP Power



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Title

野火_EBF RK3566 BTB 底板

Size
A4

Document Number
eDP1.3/TP_PORT

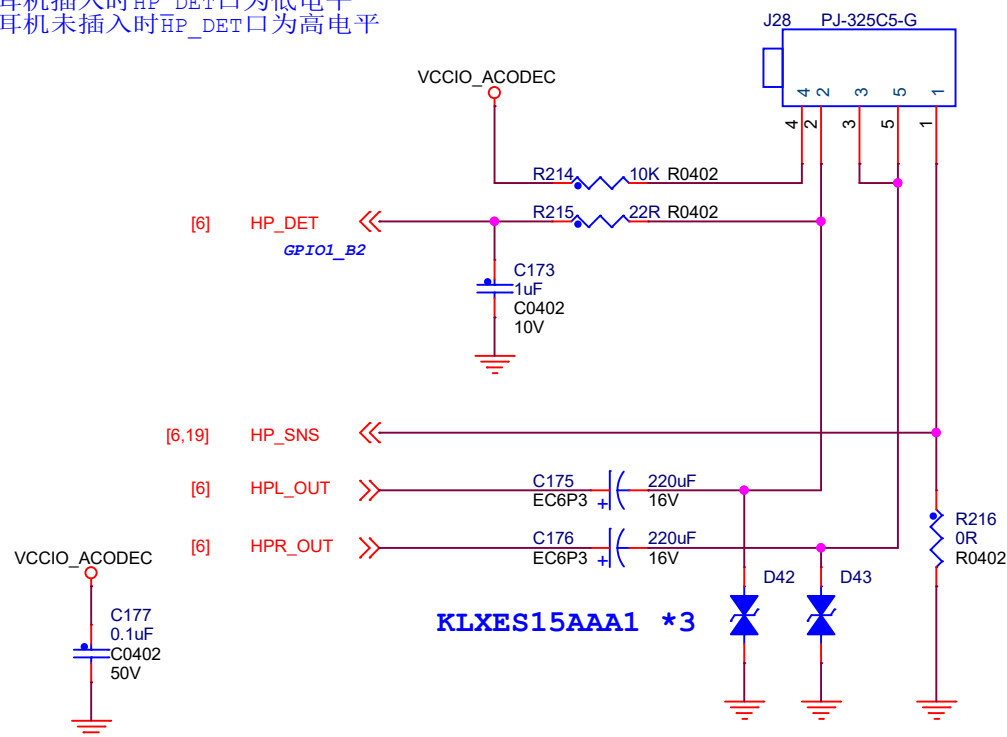
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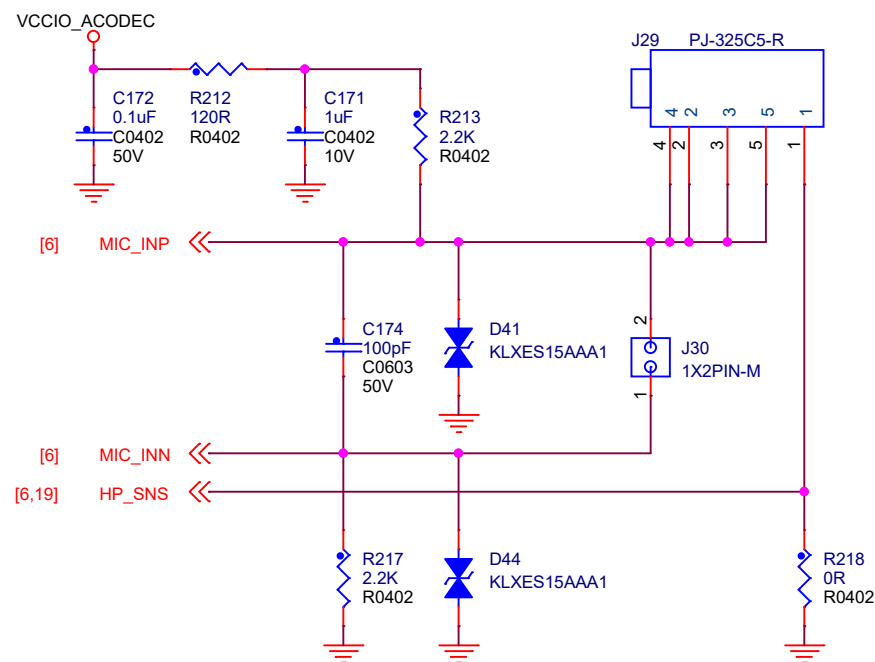
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EarPhone PORT

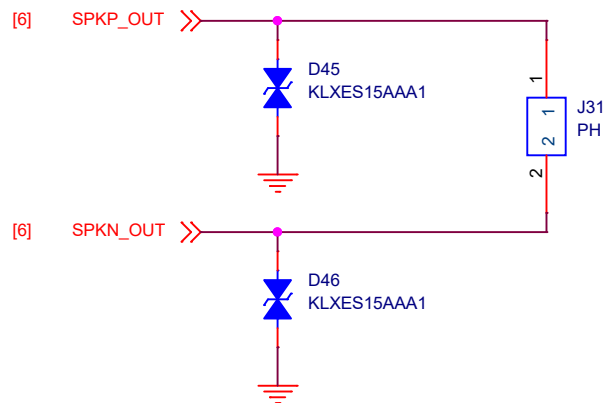
耳机插入时HP_DET口为低电平
耳机未插入时HP_DET口为高电平



MIC PORT



SPK PORT



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Title

野火_EBF RK3566 BTB 底板

Size
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Document Number

AUDIO PORT

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V1.0

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