

野火_EBF RK3588S BTB底板_原理图

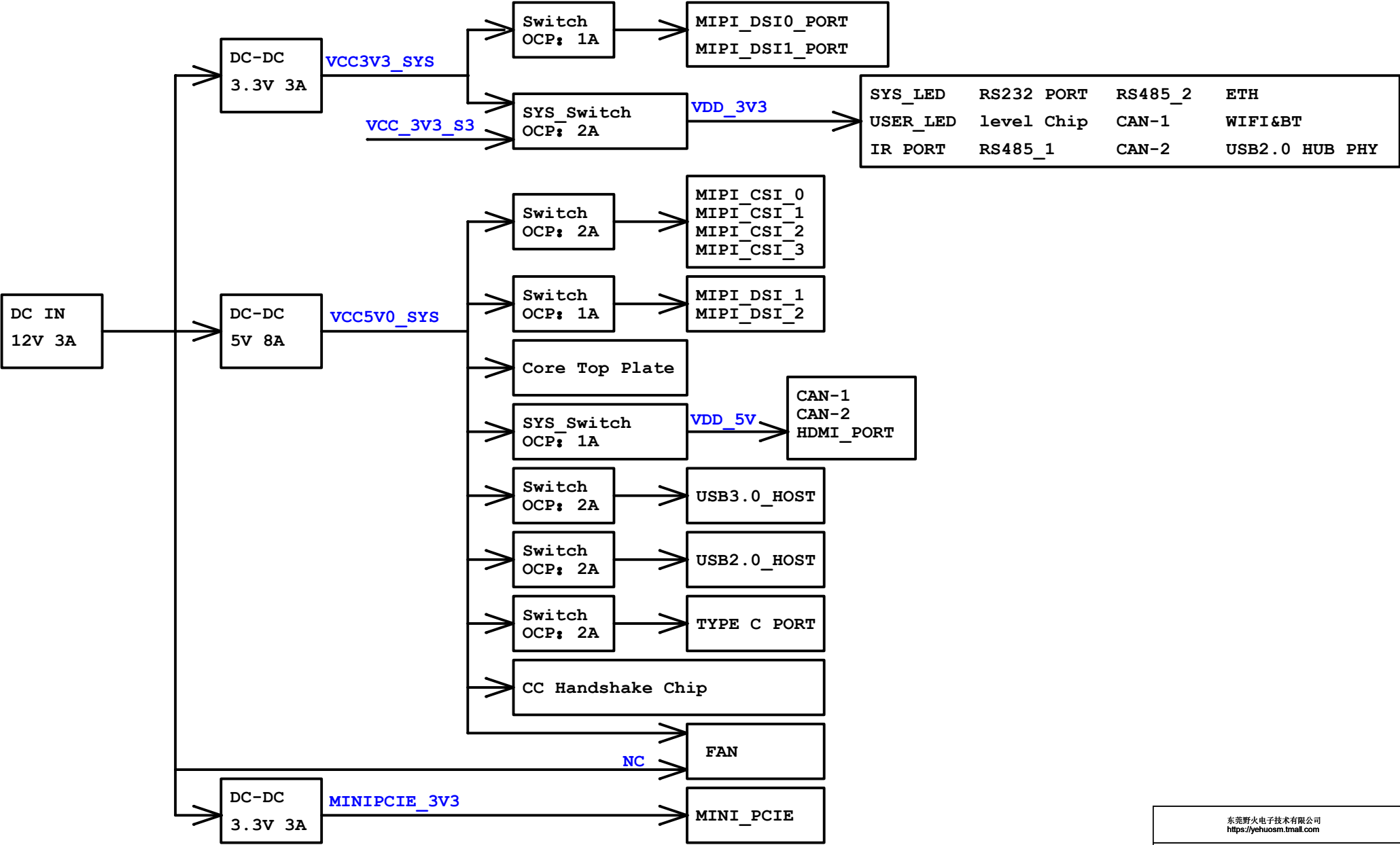
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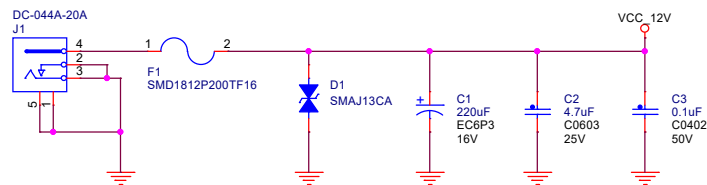
历史版本

版本号	日期	设计	描述
V0R1	2022-12-02	ghs	初始版本
V0R3	2025-02-26	ghs	将GMAC1_TXCLK与GMAC1_TXEN调换线序，修正UART0，UART9线序 调整SDMMC引脚线序 添加BOOT按钮，修正错误的标注

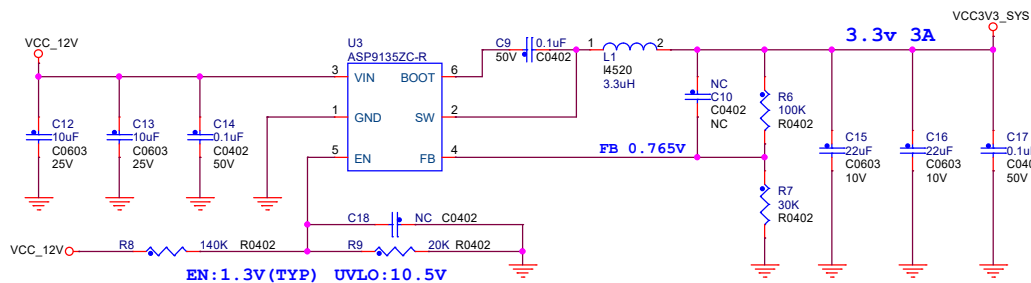
Power Diagram



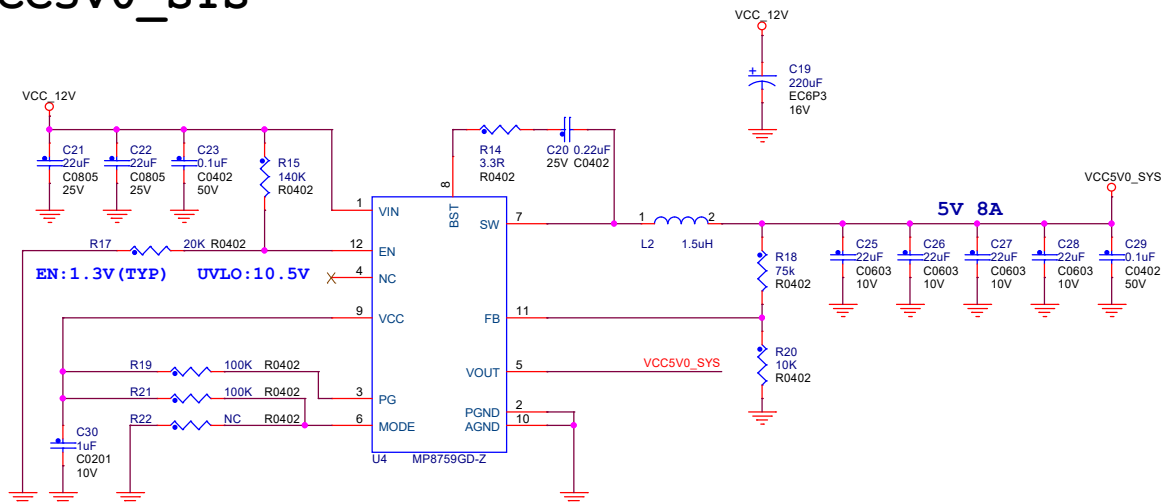
DC IN : 12V



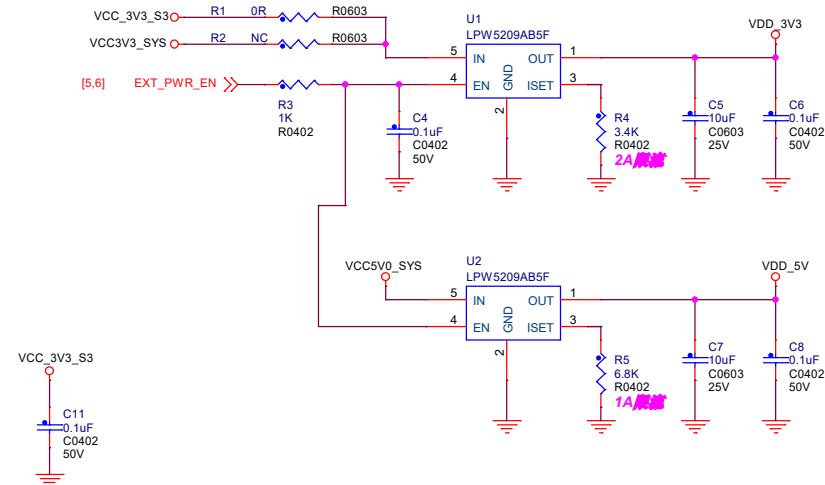
VCC3VS_SYS



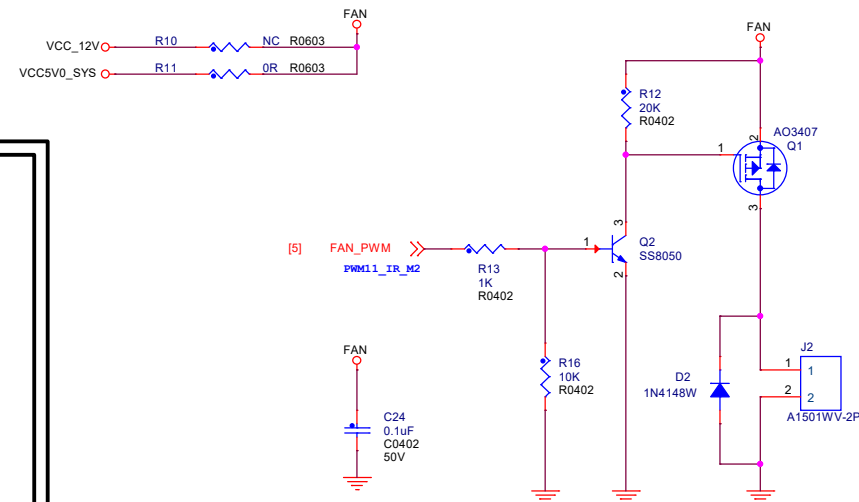
VCC5V0_SYS



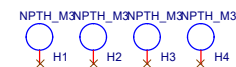
SYSTEM Power SW And OCP



FAN



Fix Hole

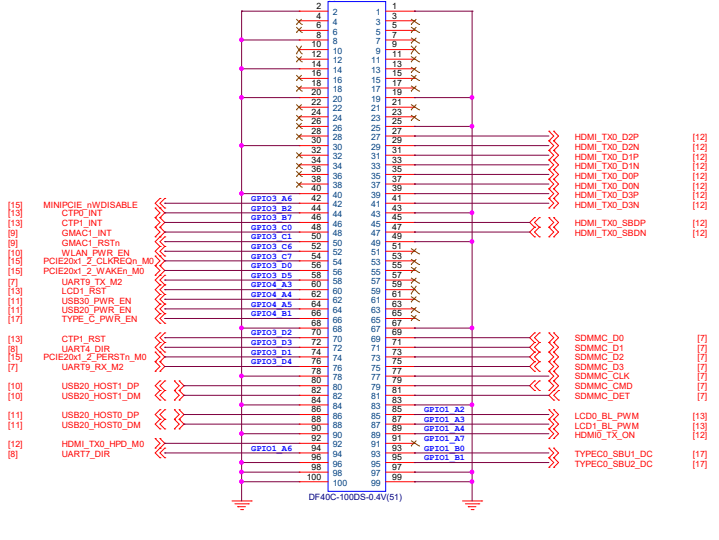
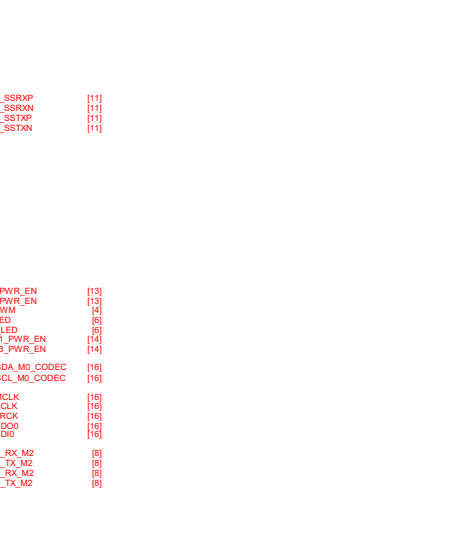
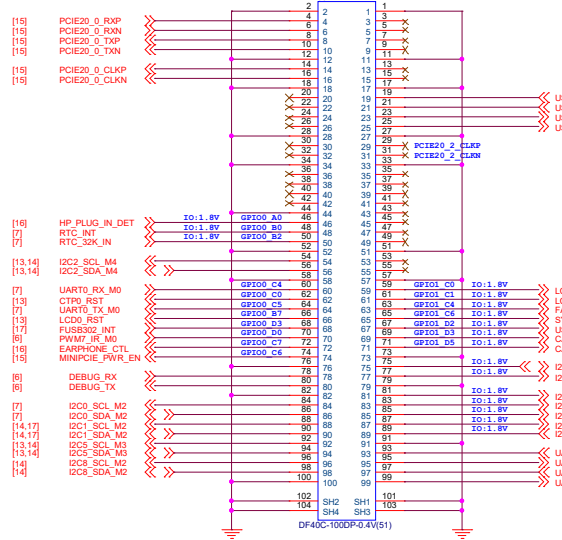
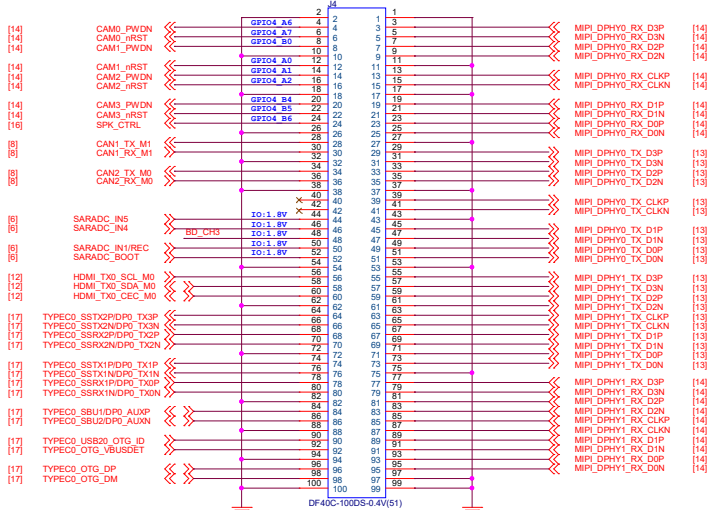
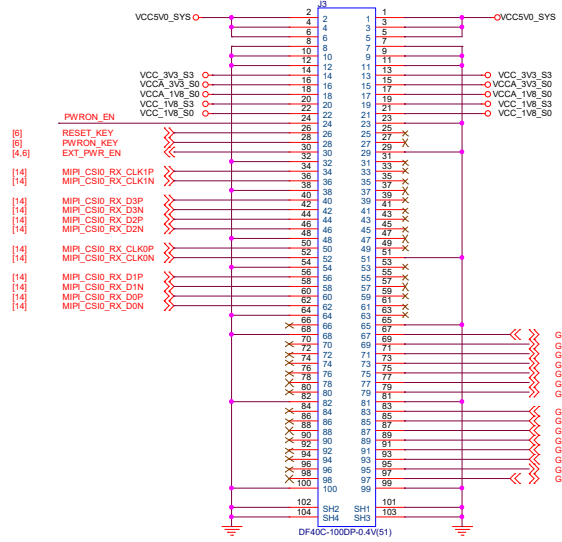
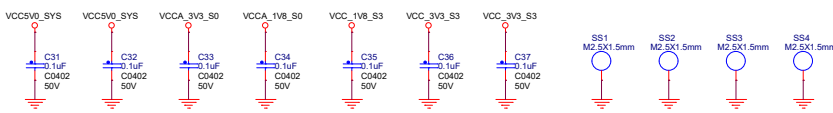
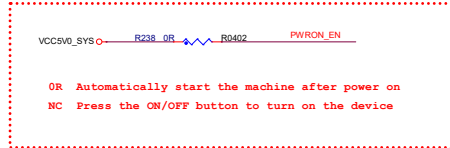
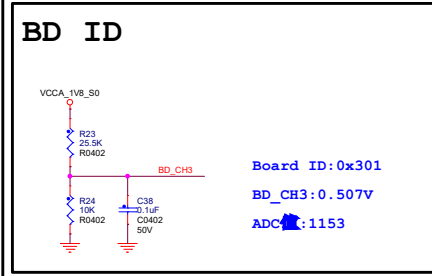


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Title			野火_EBF RK3588S BTB底板	
Size	Document Number	Rev		
A3	DC IN/POWER/FAN	V0R3		
Date:	Wednesday, June 18, 2025	Sheet 4	of 17	

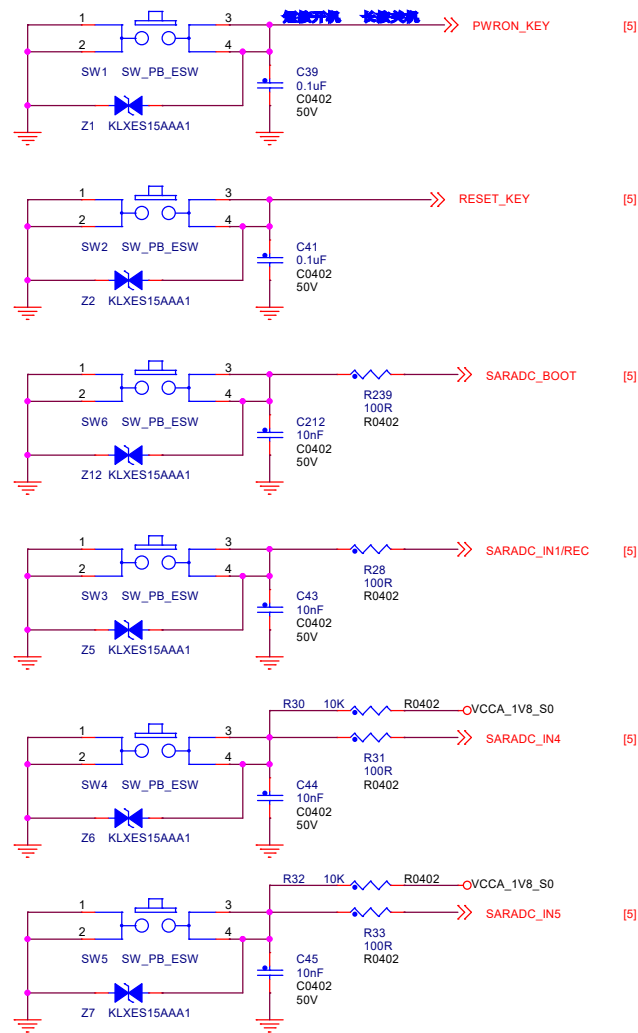
BTB 0P5 100*4 Connector

BD ID

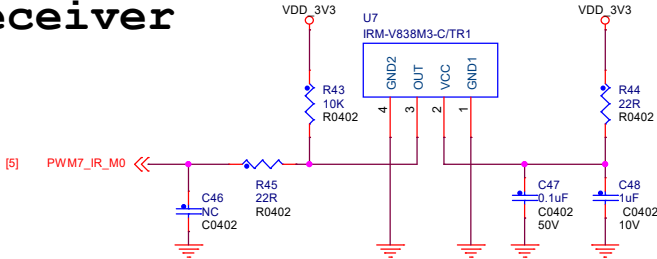


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野火_EBF RK3588S BTB板板			
Title	Document Number	BTB Connector	Rev V0R3
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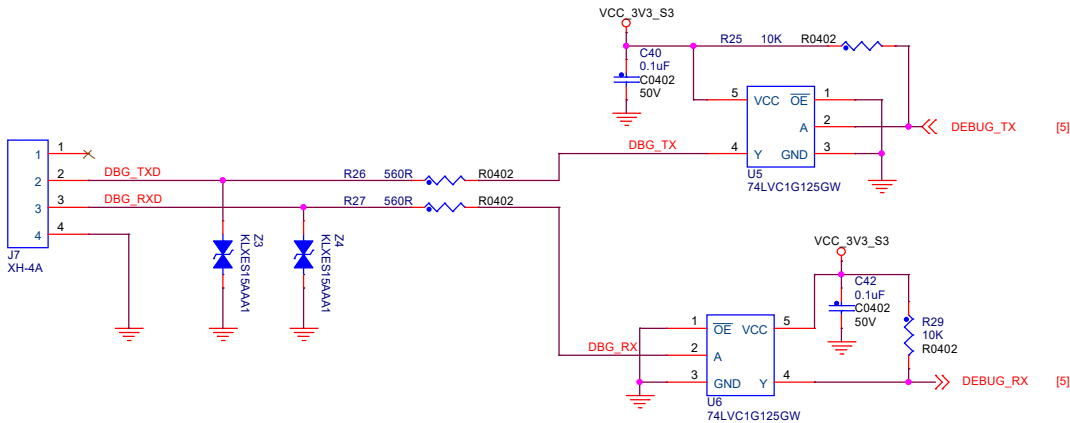
Button



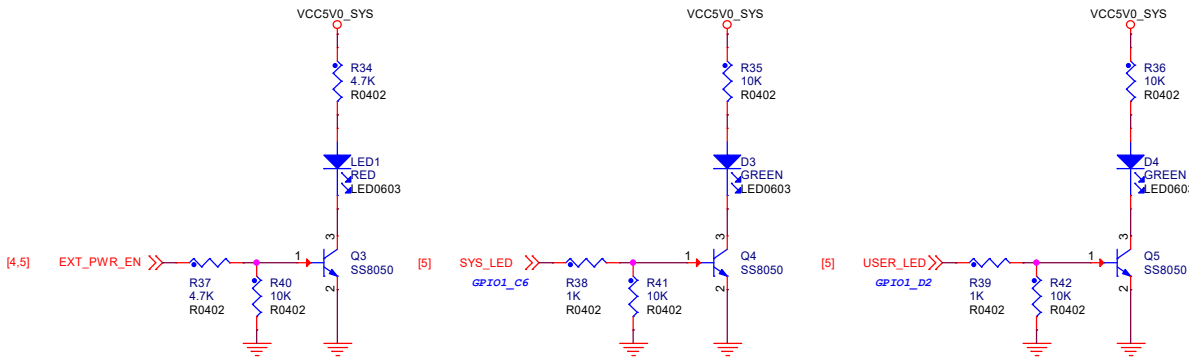
IR Receiver



DEBUG



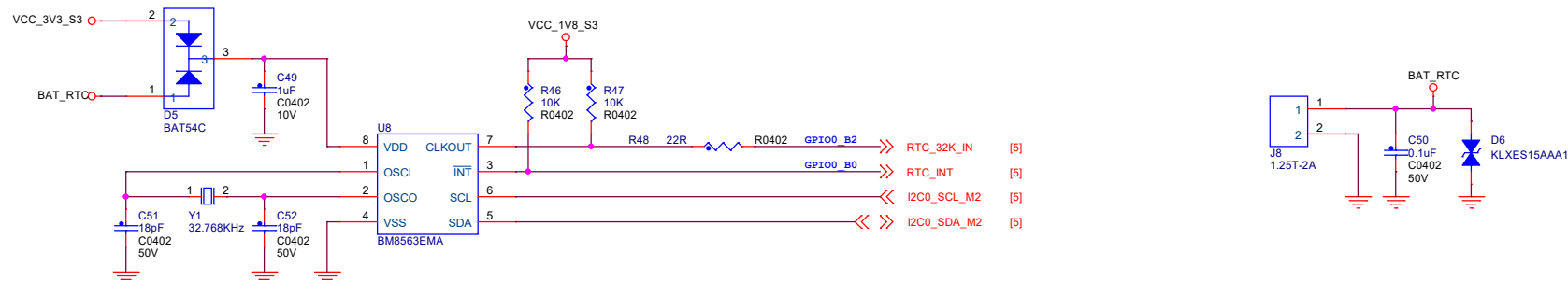
LED



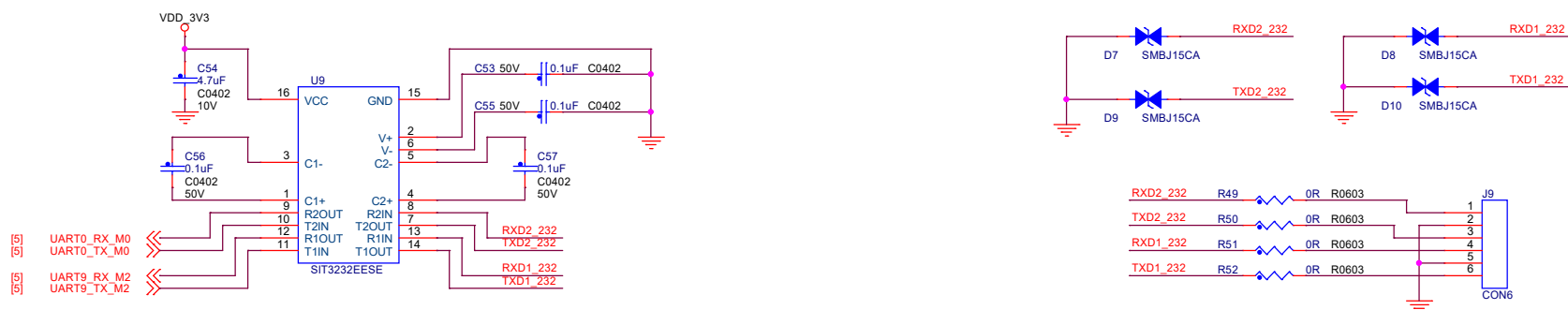
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Title		
野火_EBF RK3588S 6TB底板		
Size A3	Document Number	Rev V0R3
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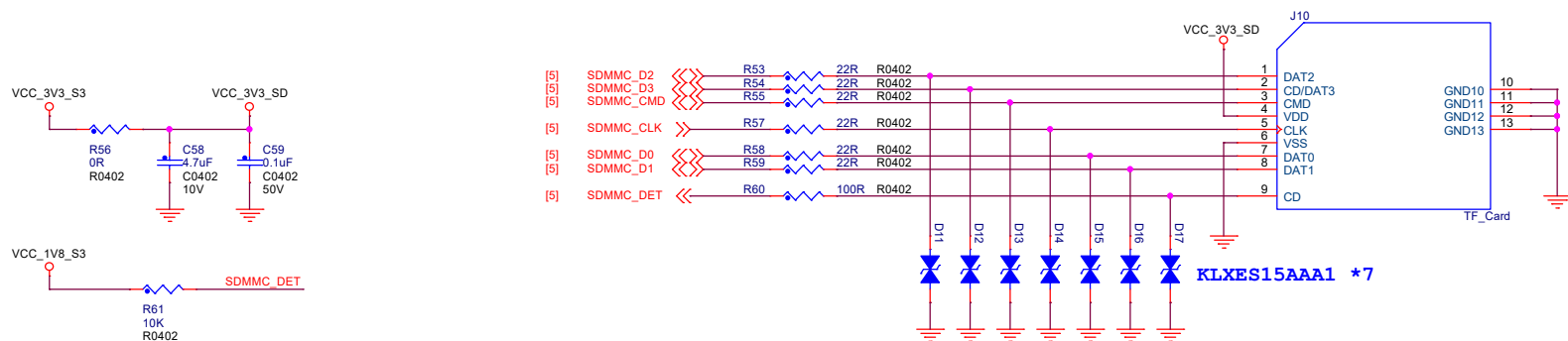
RTC



RS232 PORT

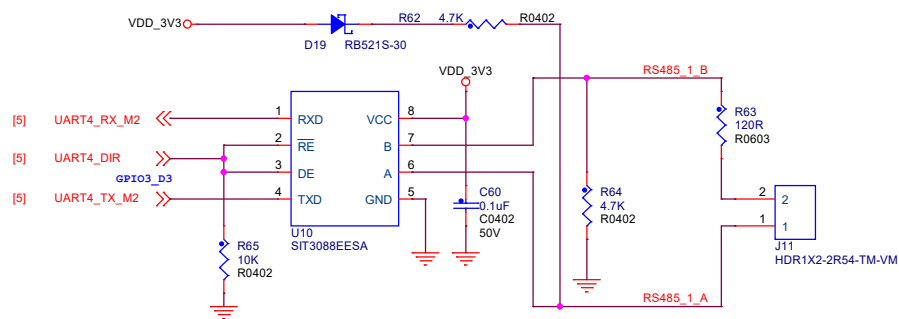


SD Card

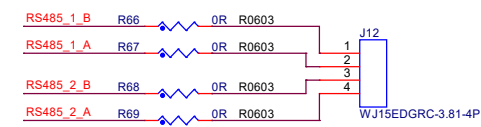
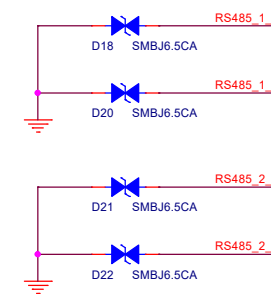


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Title 野火_EBF RK3588S BTB底板			
Size A3	Document Number RTC/SD/R5232		Rev V0R3
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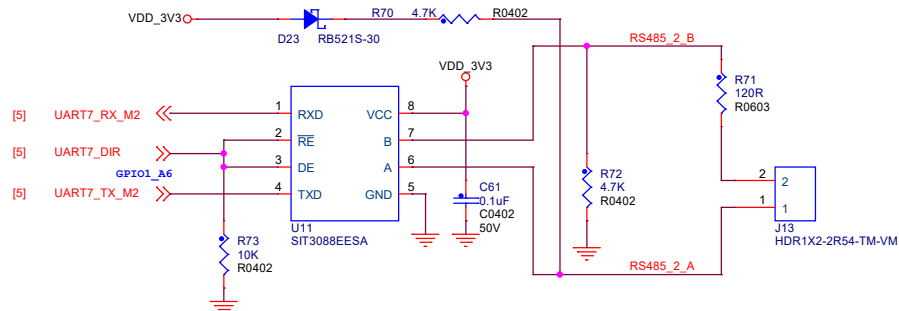
RS485-1



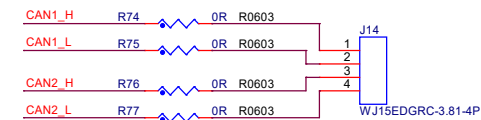
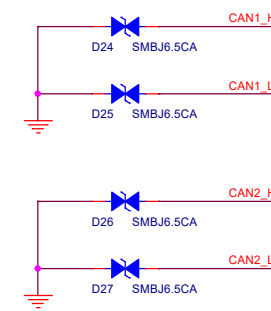
RS485 PORT



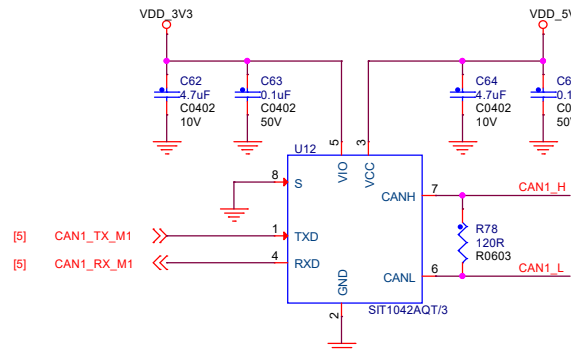
RS485-2



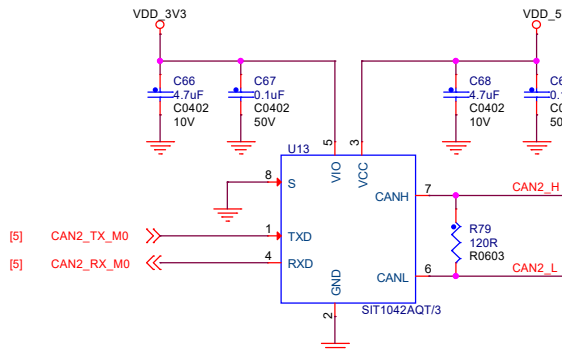
CAN PORT



CAN-1



CAN-2



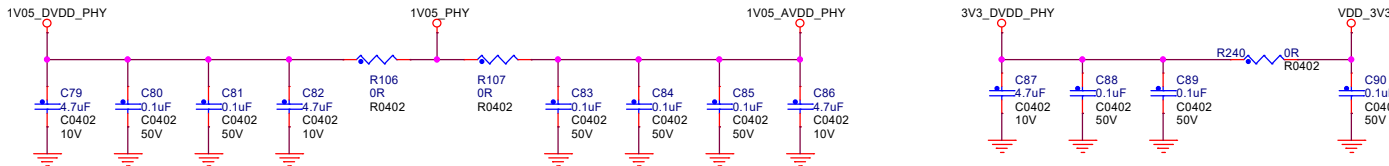
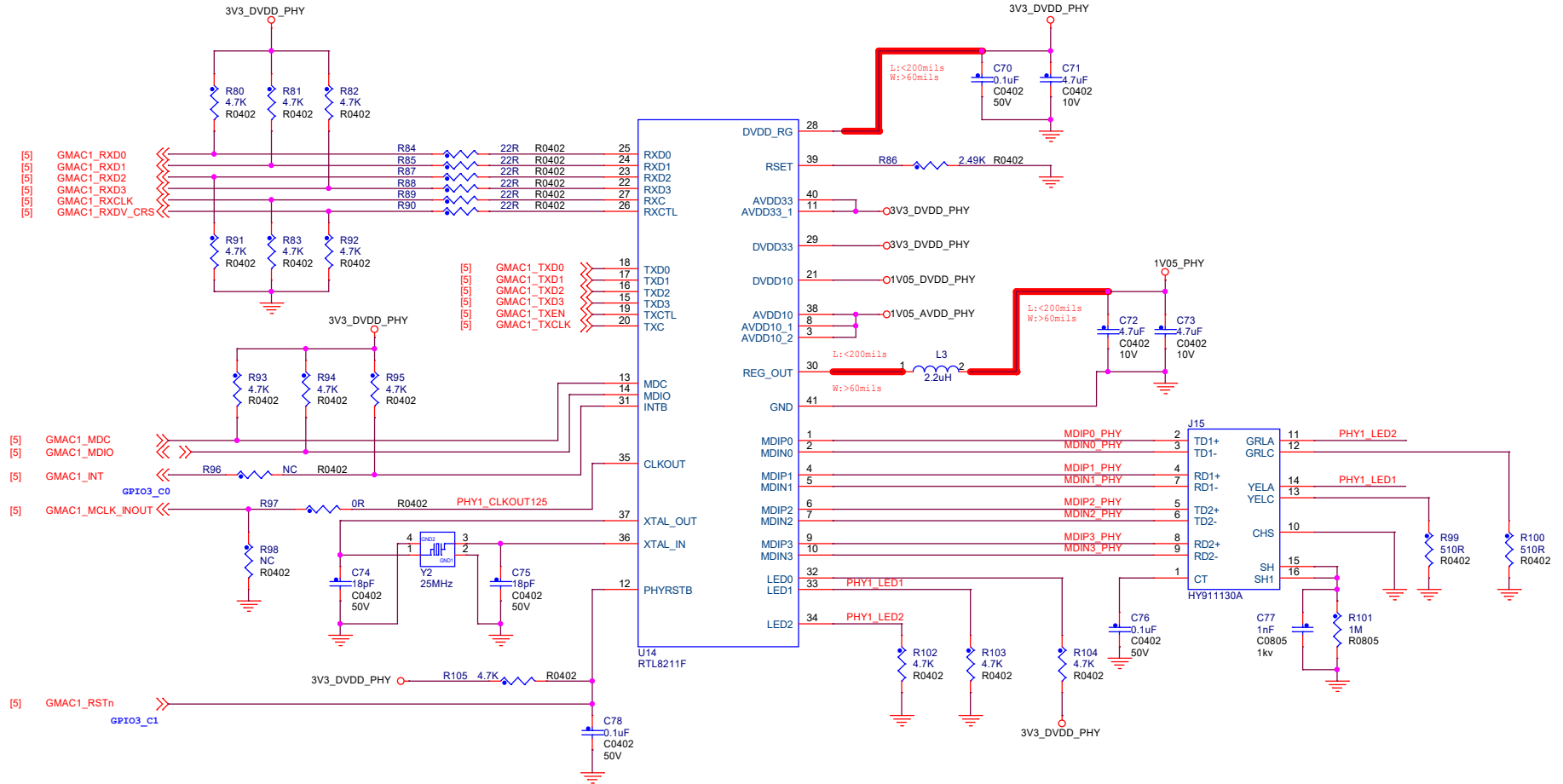
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ETH

TXC / RXC : delays 2ns

PHY Address : 001

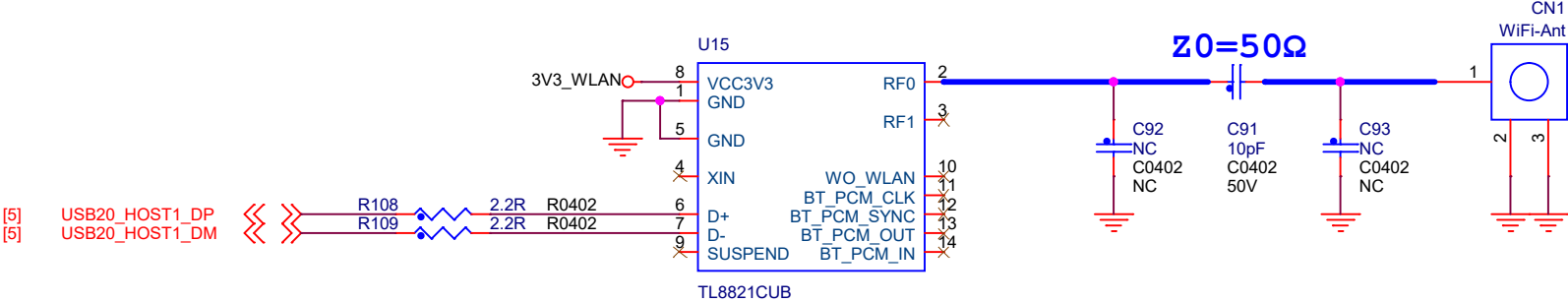
IO use an external
power supply 3.3V



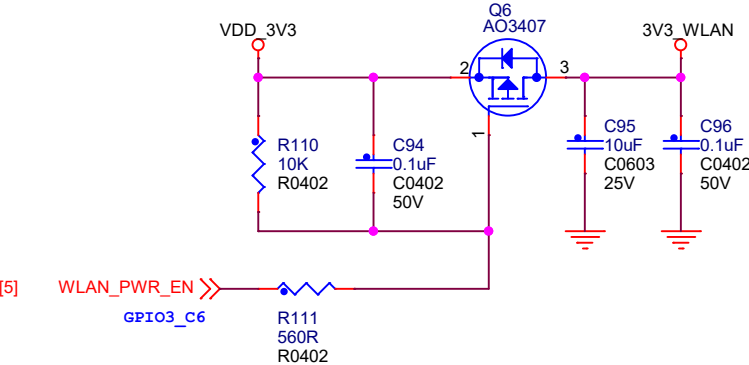
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野火_EBF RK3588S BTB底板		
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A3	ETH	V0R3
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WLAN & BT

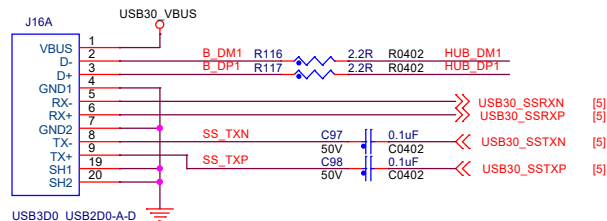
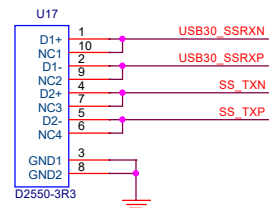
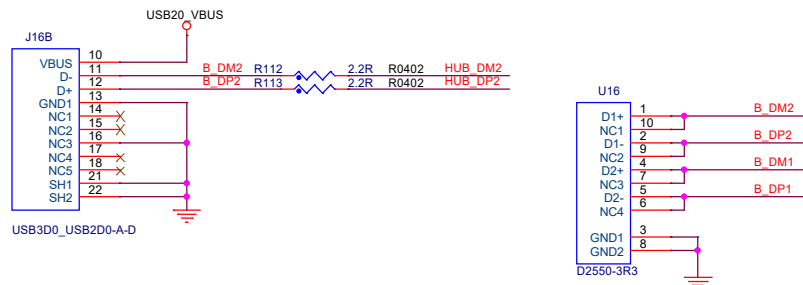


WLAN Power

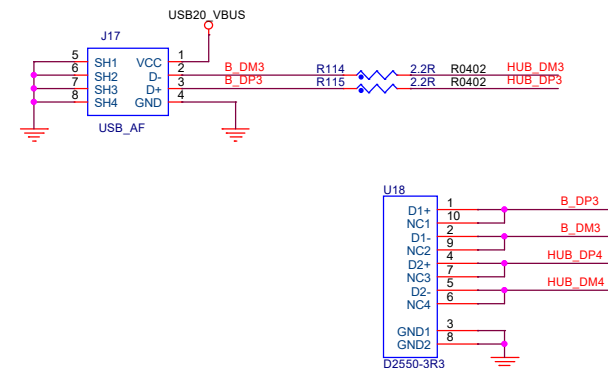


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Title 野火_EBF RK3588S BTB底板		
Size A4	Document Number WLAN & BT	Rev V0R3
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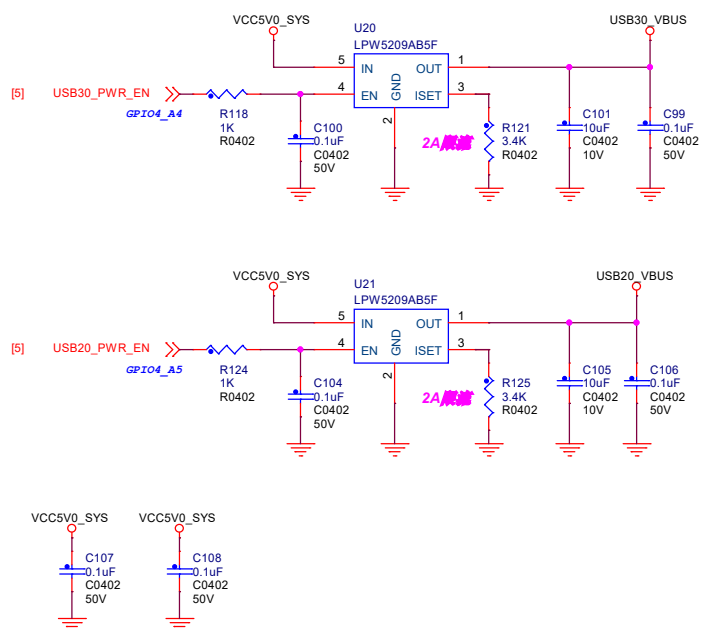
USB3.0 HOST & USB2.0 HOST



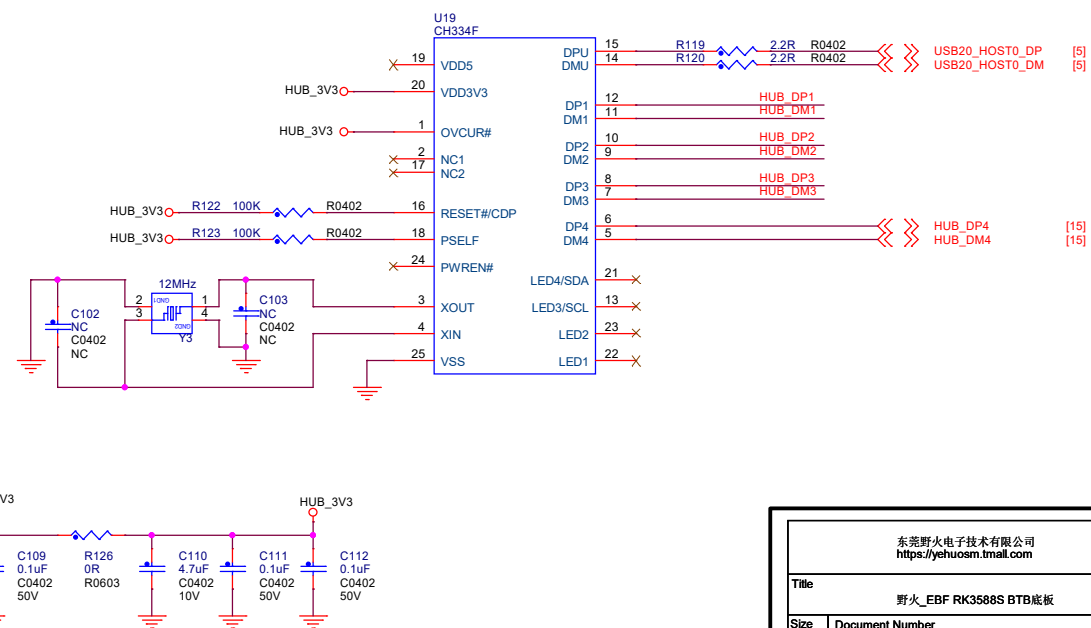
USB2.0 PORT



HOST Power

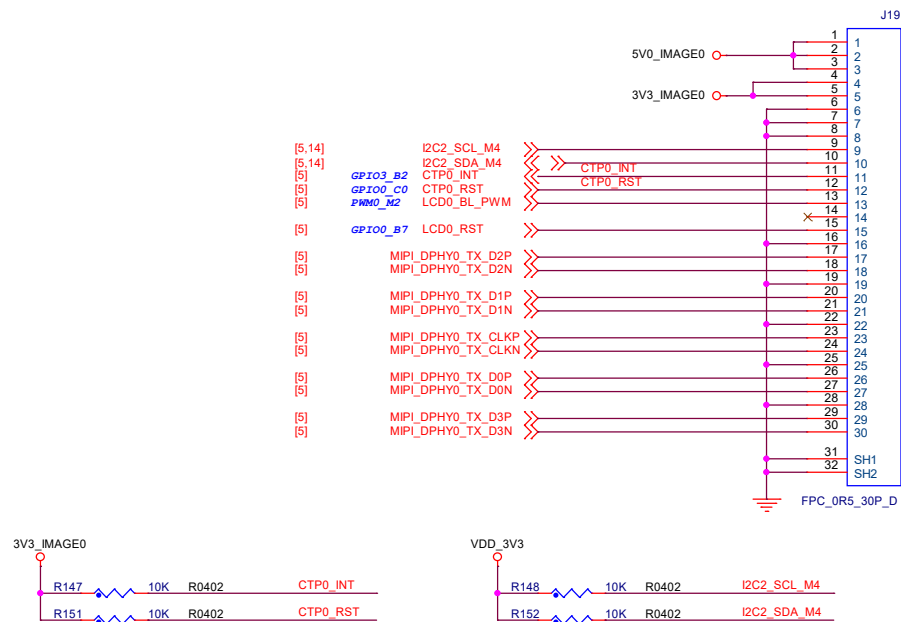


USB 2.0 HUB PHY

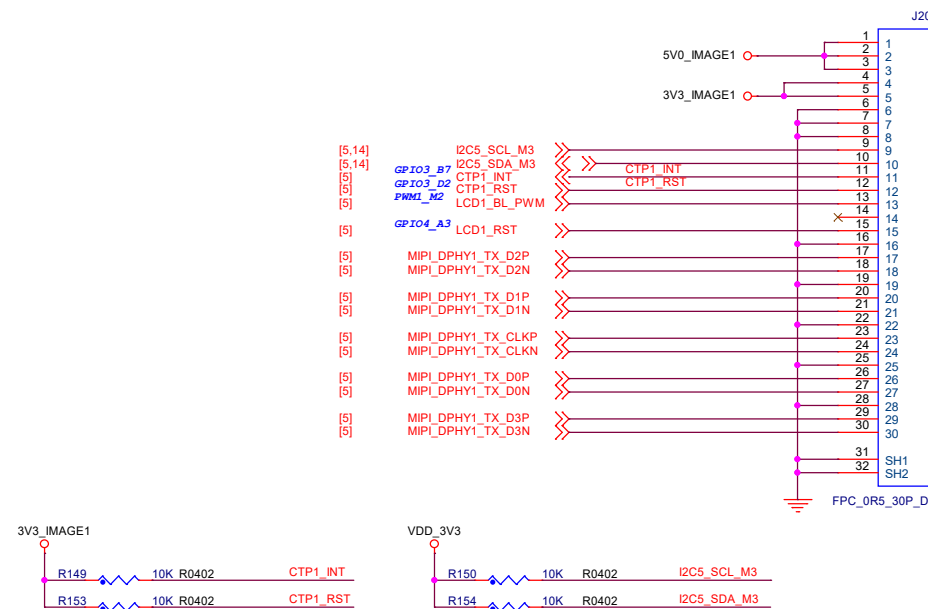


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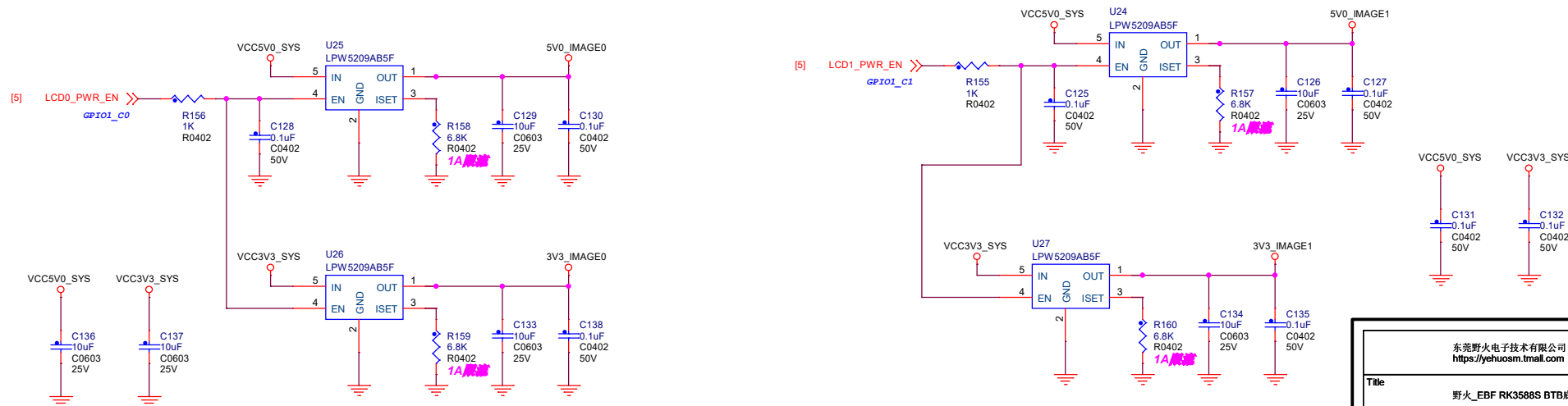
MIPI_DSI_TX0 PORT



MIPI_DSI_TX1 PORT

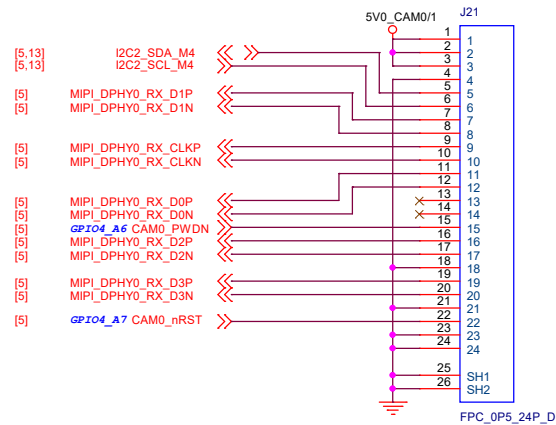


MIPI DSI Power

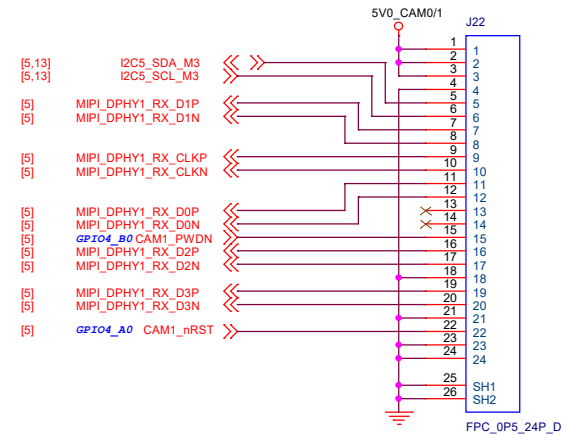


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Title 野火_EBF RK3588S 6TB底板		
Size A3	Document Number MIPI DSI PORT	Rev V0R3
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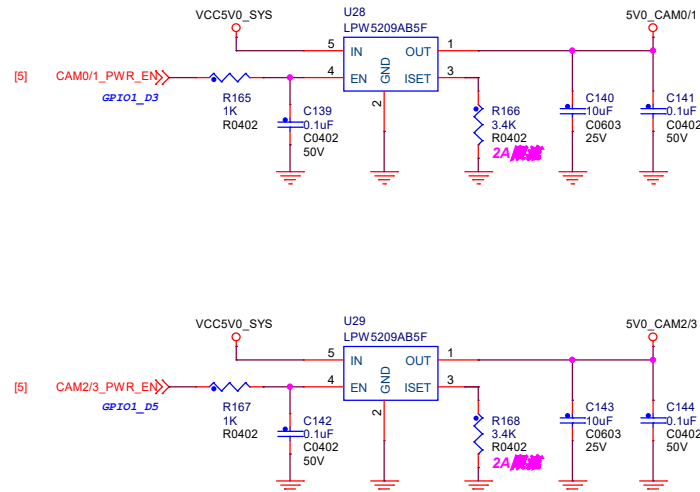
MIPI CSI 0 PORT



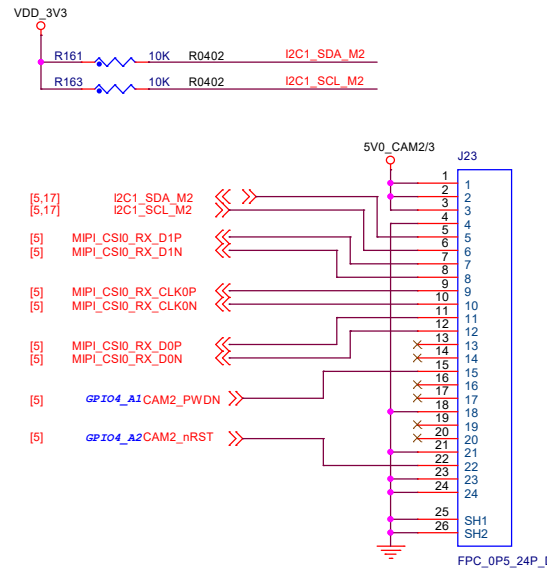
MIPI CSI 1 PORT



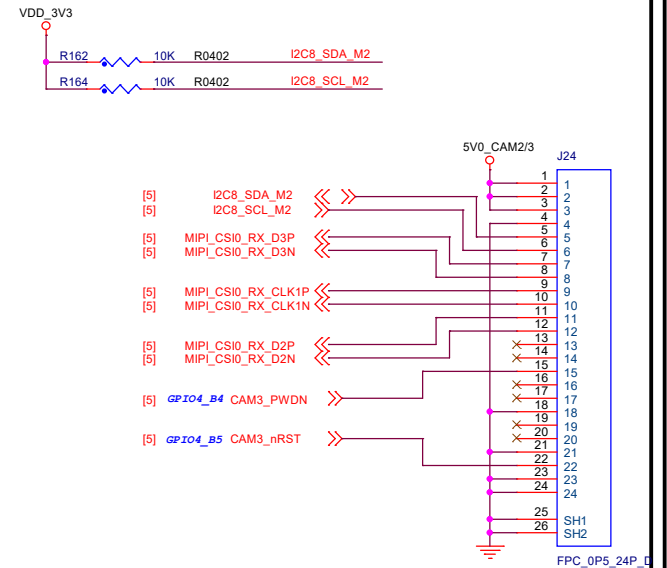
MIPI CSI Power



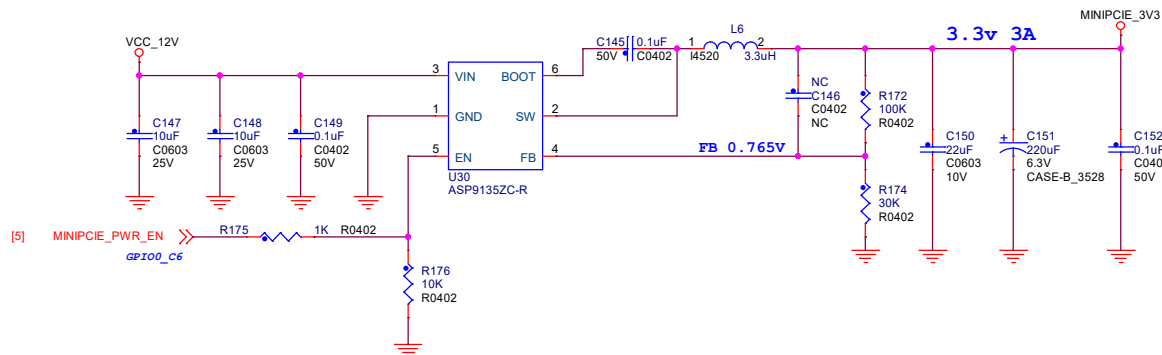
MIPI CSI 2 PORT



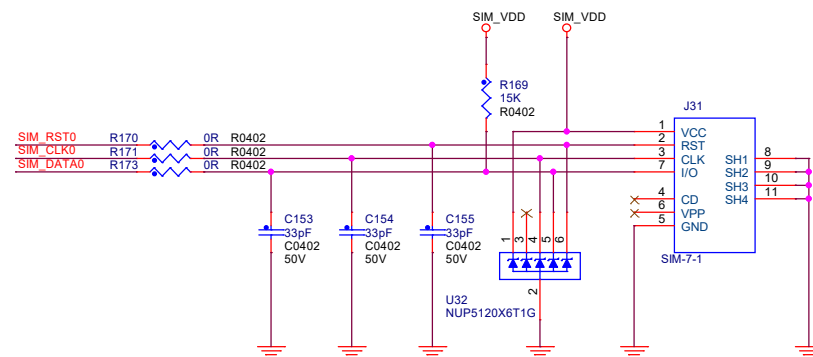
MIPI CSI 3 PORT



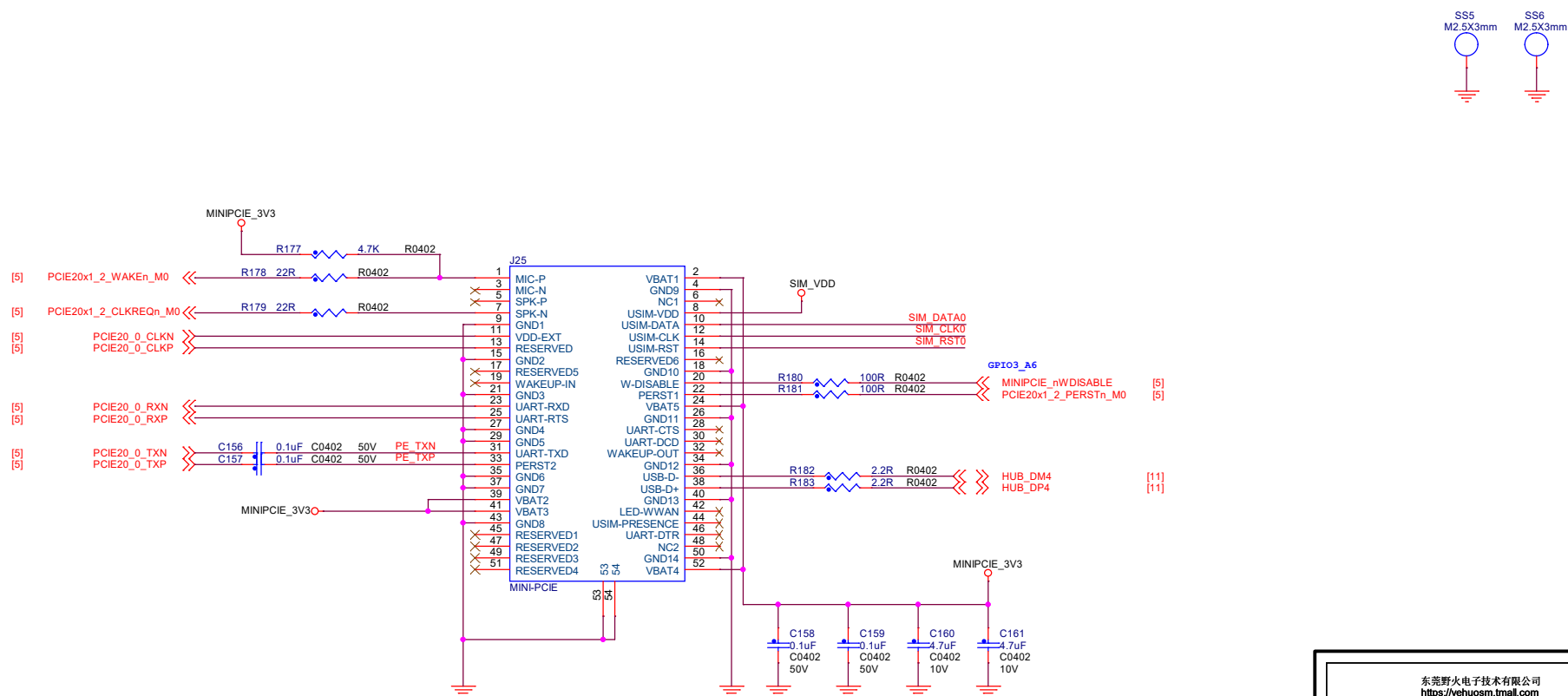
MINI PCIE POWER



SIM CARD

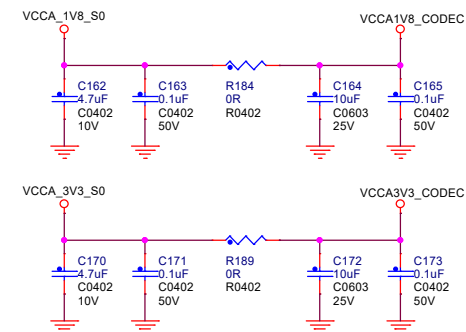
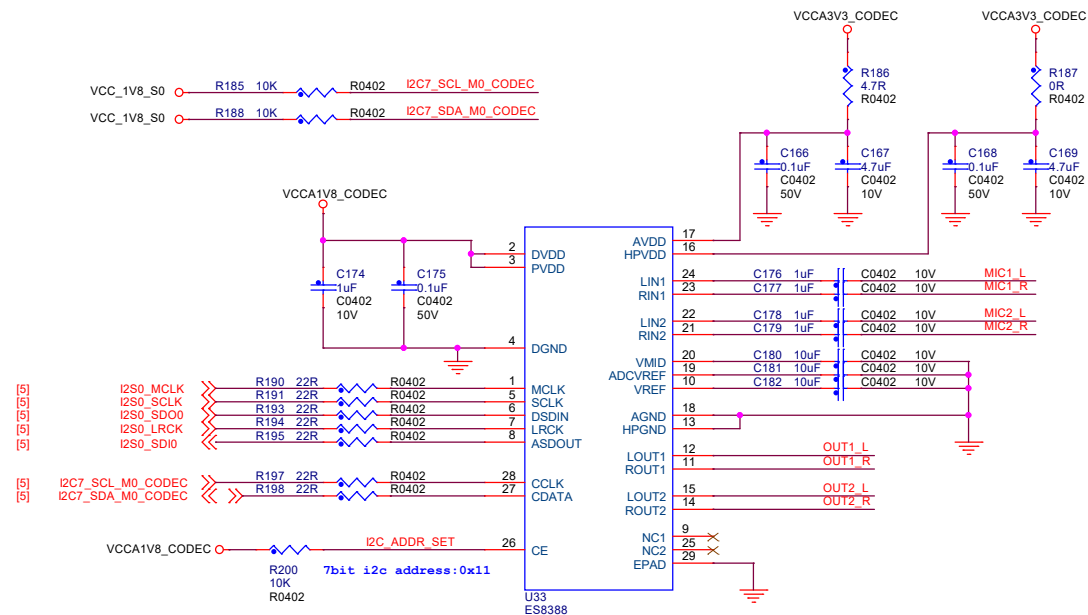


MINI PCIE

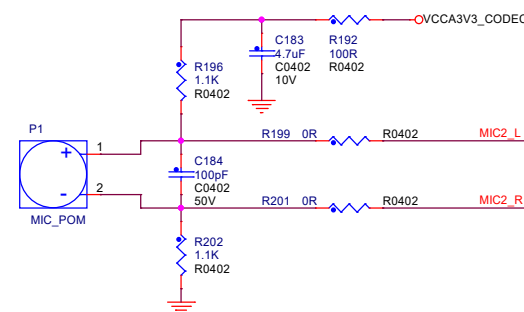


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Size A3	Document Number MINI PCIE PORT	Rev V0R3	
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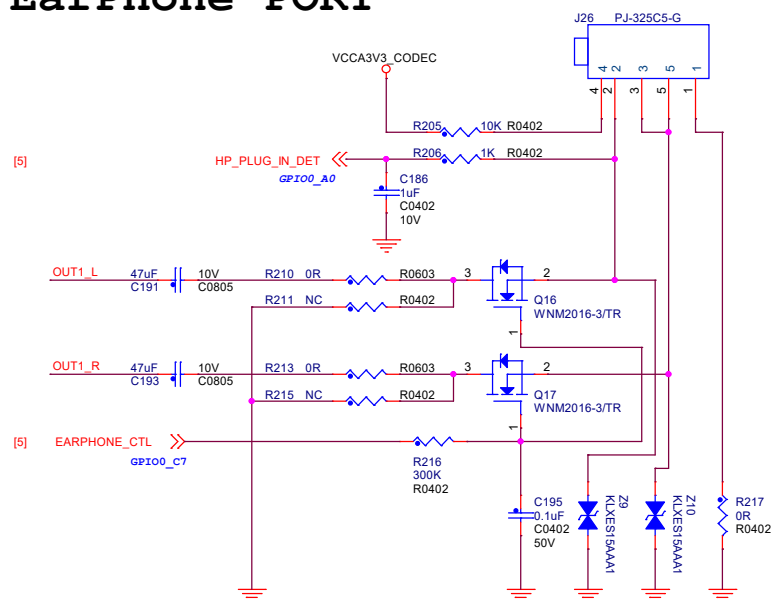
AUDIO CODEC



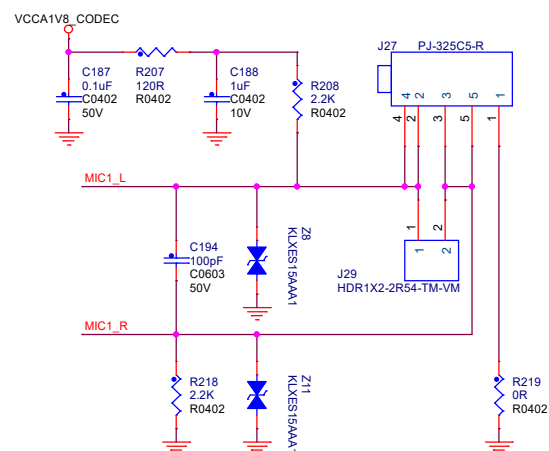
MIC



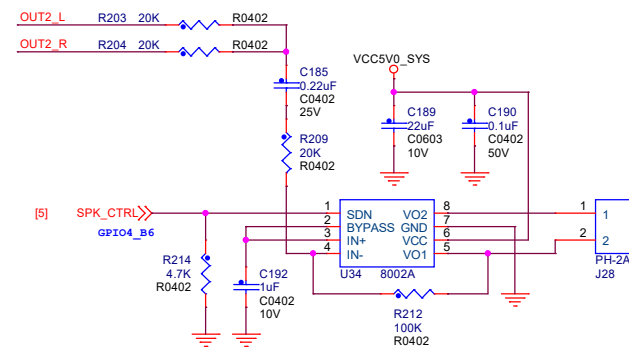
EarPhone PORT



MIC PORT



SPK PA



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Title 野火_EBF RK3588S BTB底板			
Size A3	Document Number AUDIO PORT		Rev V0R0
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