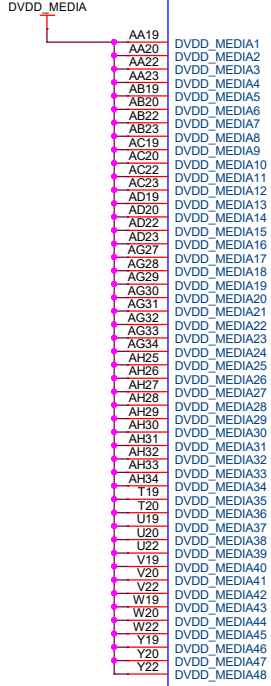
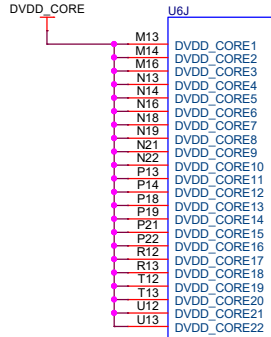
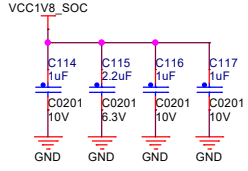
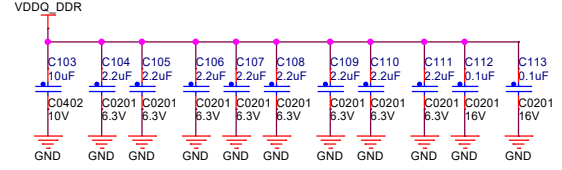
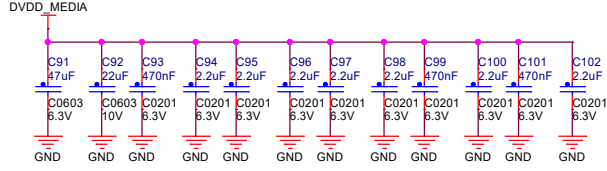
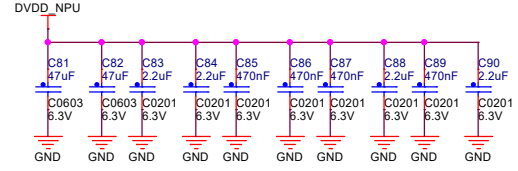
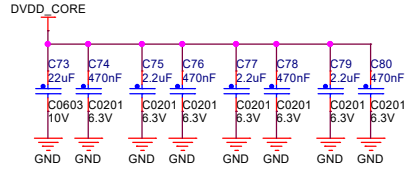


野火鲁班猫SD3403 (LubanCat-SD3403)

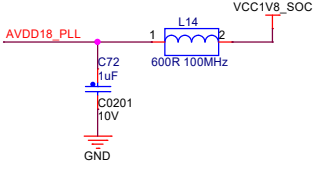
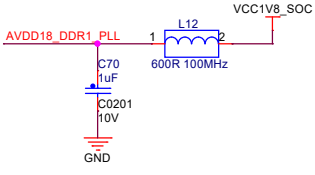
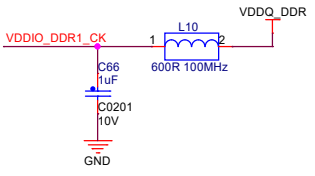
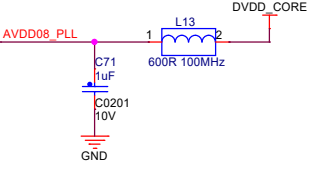
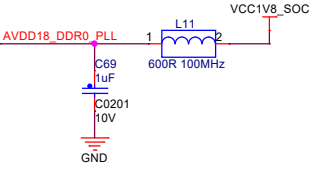
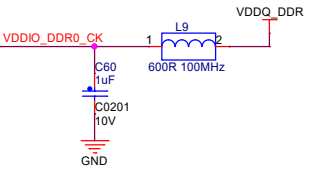
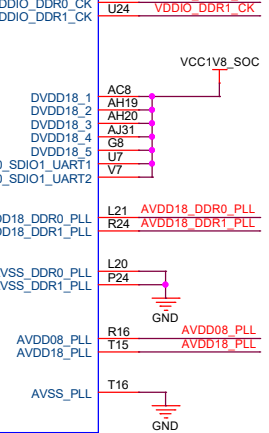
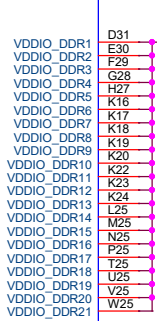
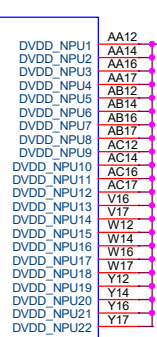
Page 1	目录
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Page 5	SD3403 GND
Page 6	SD3403 SYS
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历史版本

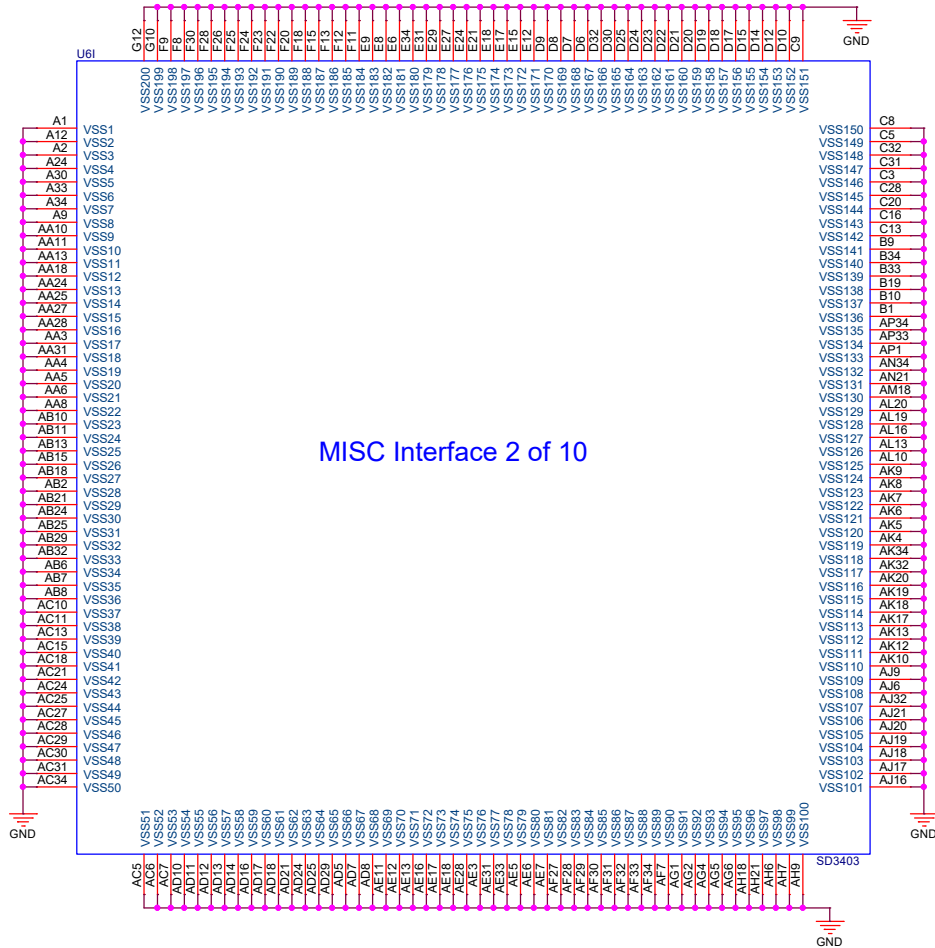
版本号	日期	设计	描述
V0.1	20250616	llm	初始版本, 开发阶段
V0.2	20251018	llm	1. 以太网PHY芯片供电添加10uF的滤波电容 2. 修正USB和PCIE的分配策略，USB下载接口改为USB3.0 TYPEA接口 3. 3PIN Debug接口改为板载CH340，改为typec接口 4. 耳机接口电源改为3.3V 5. 根据海思硬件设计规范调整了40PIN排针接口33、35、12、32引脚信号 注：以上修改为开发阶段的修改



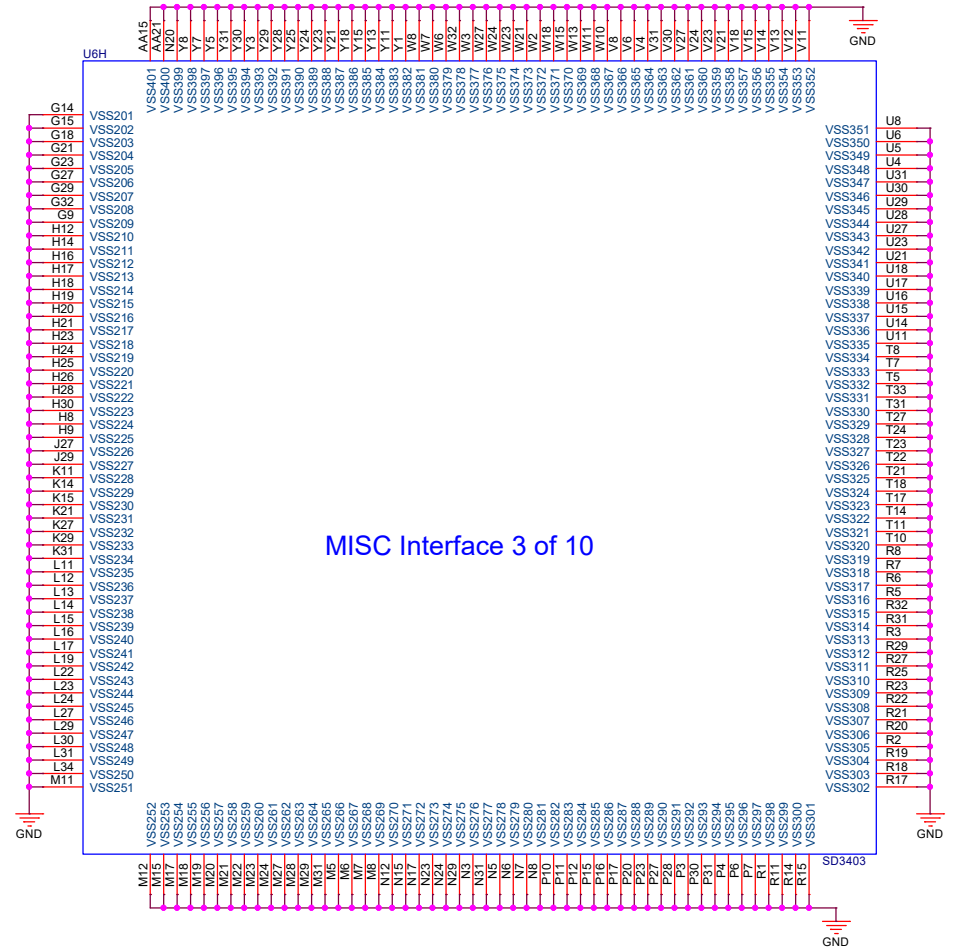
MISC Interface 1 of 10



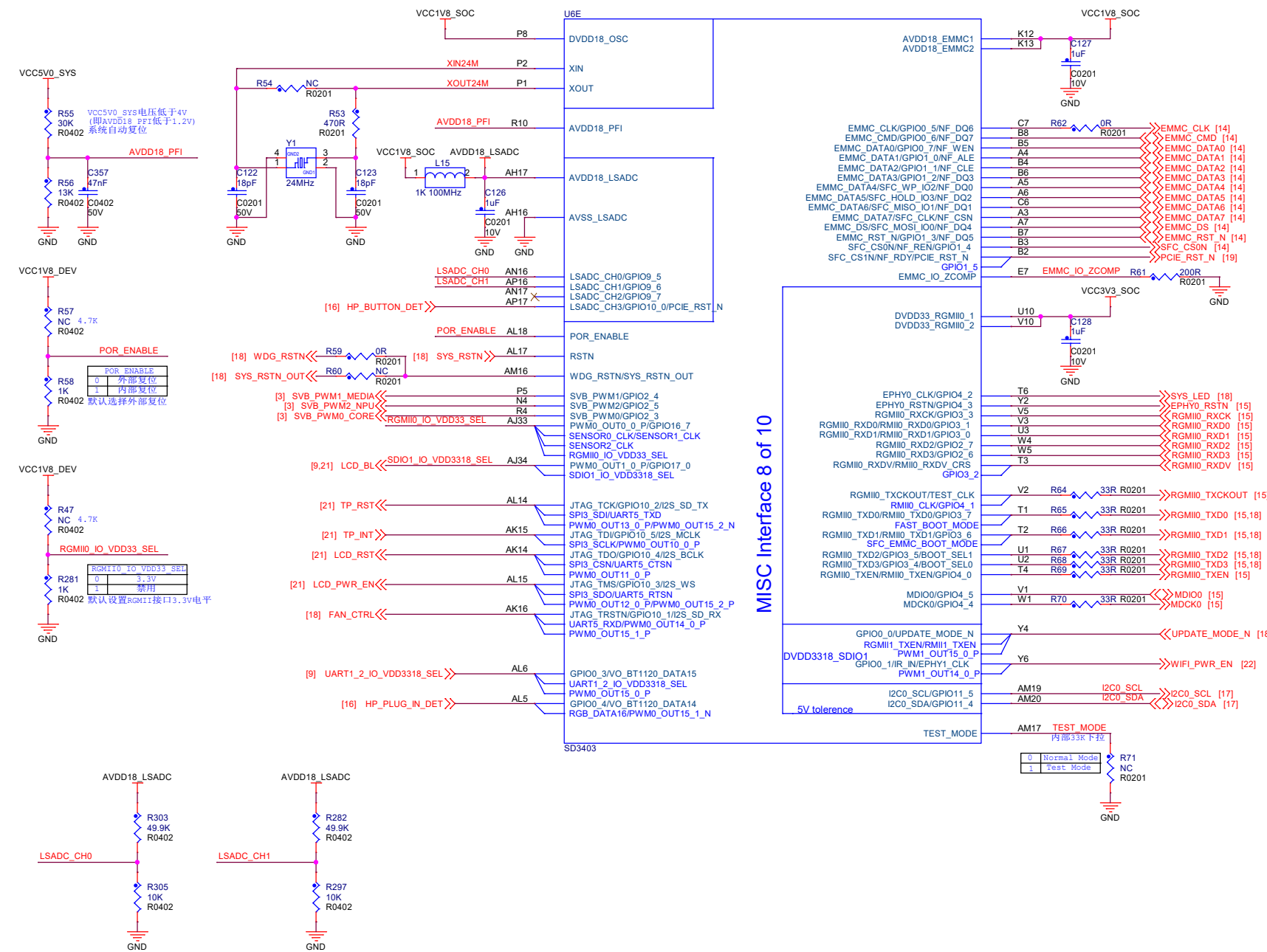
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Title 野火鲁班猫SD3403(LubanCat-SD3403)			
Size A3	Document Number SD3403 POWER	Rev V1.0	
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MISC Interface 2 of 10



MISC Interface 3 of 10

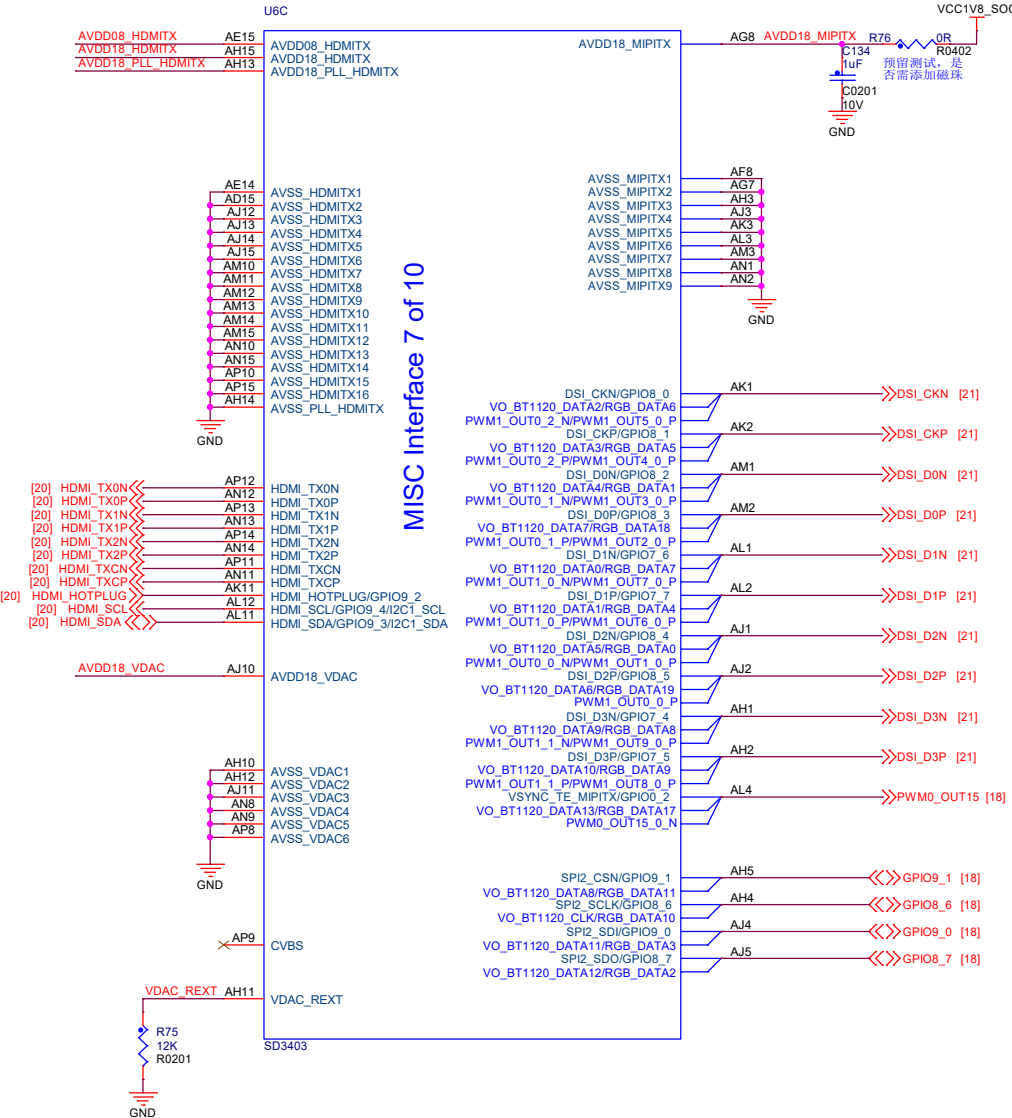
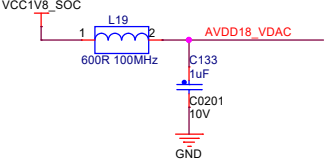
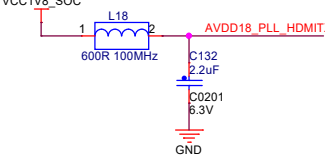
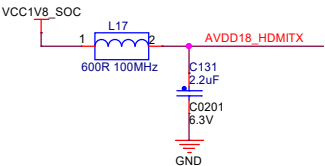
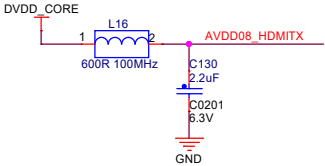


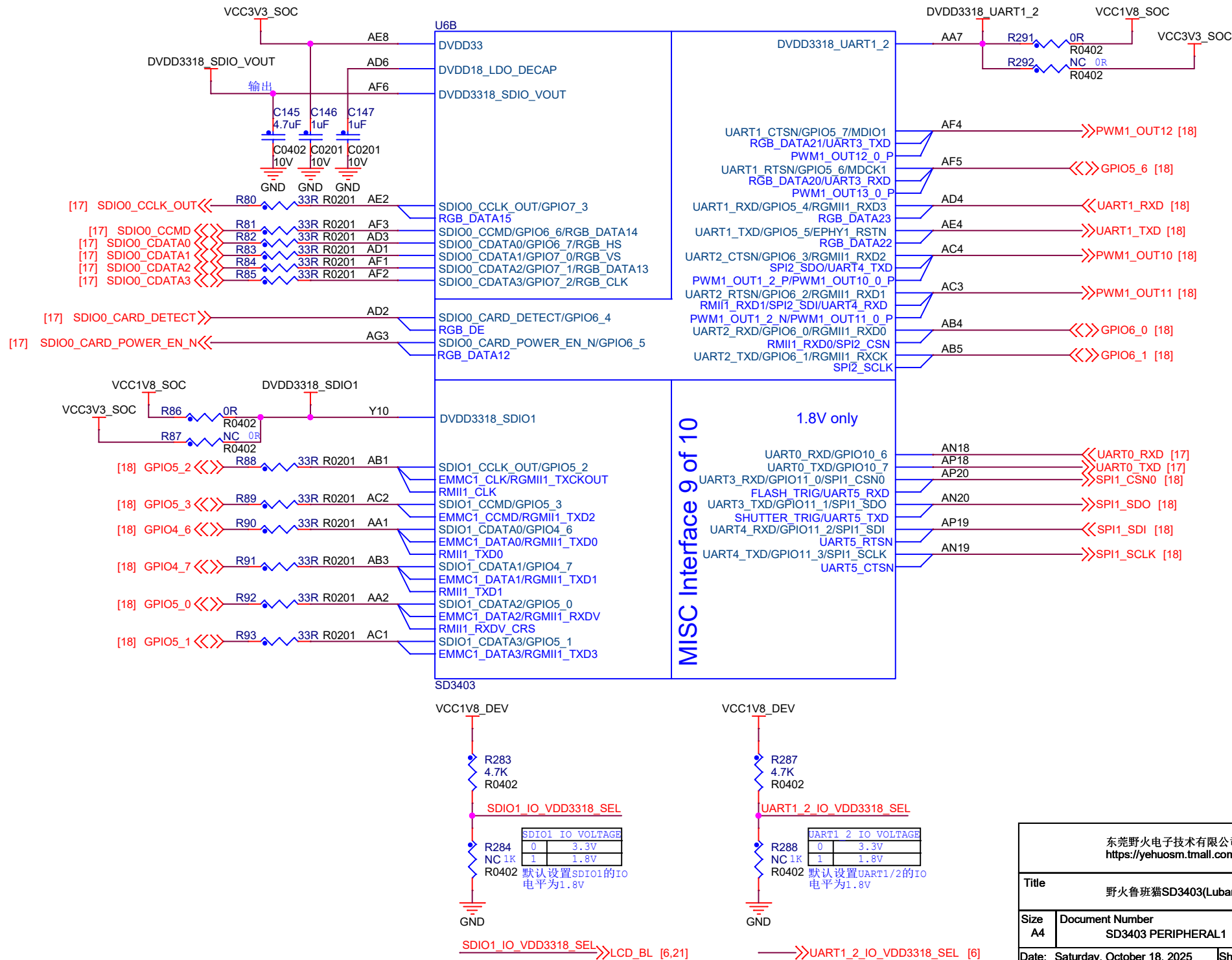
Board ID:0x0000 **MEMU**: VIN2:0.3V VIN3:0.3V ADC**MEMU**:VIN2:682 VIN3:682

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Title 野火鲁班猫SD3403(LubanCat-SD3403)			
Size A3	Document Number SD3403 SYS		Rev V1.0
Date:	Wednesday, December 24, 2025	Sheet 6 of	22

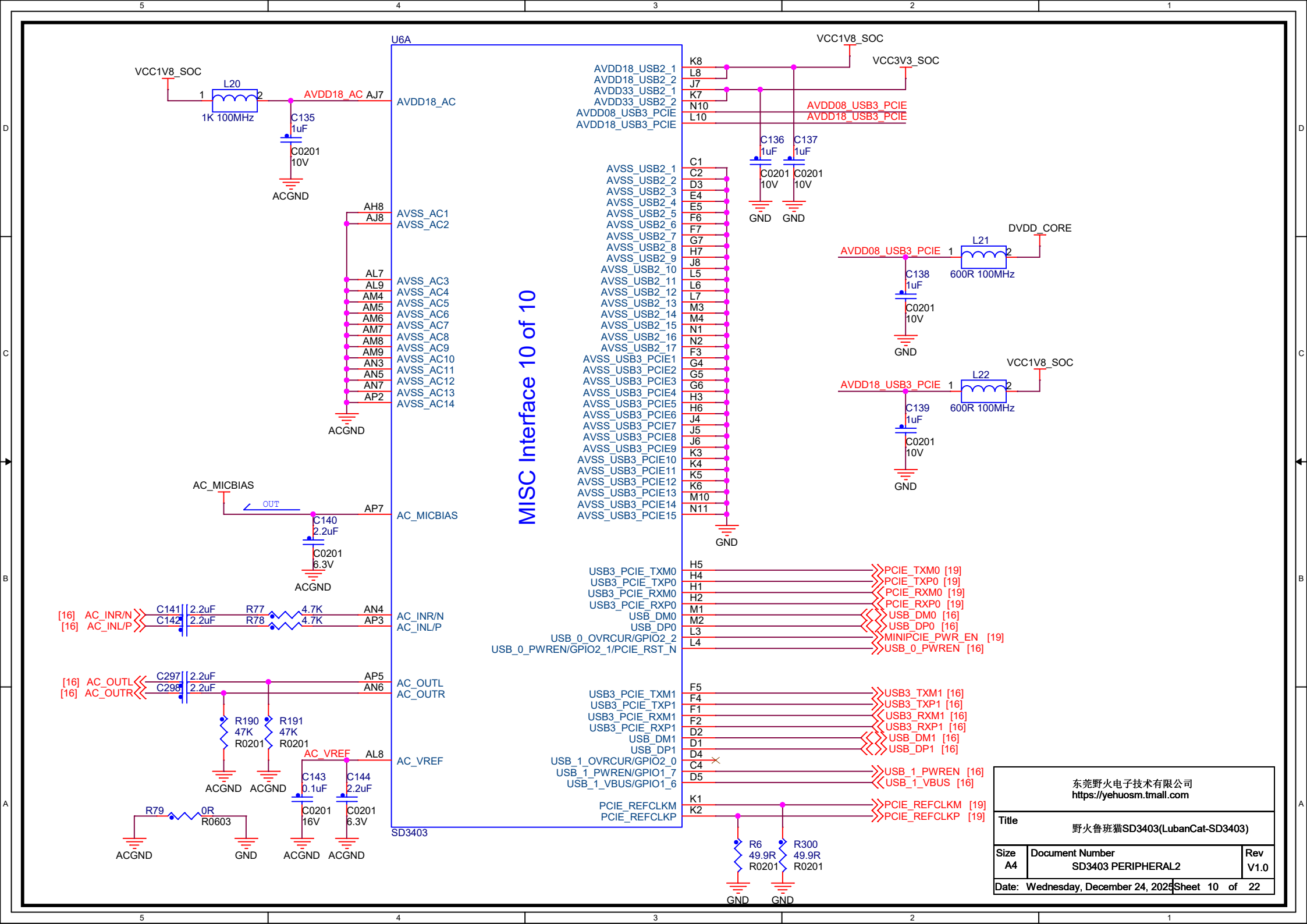


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Title 野火鲁班猫SD3403(LubanCat-SD3403)			
Size A3	Document Number SD3403 VI		Rev V1.0
Date: Saturday, October 18, 2025		Sheet 7	of 22



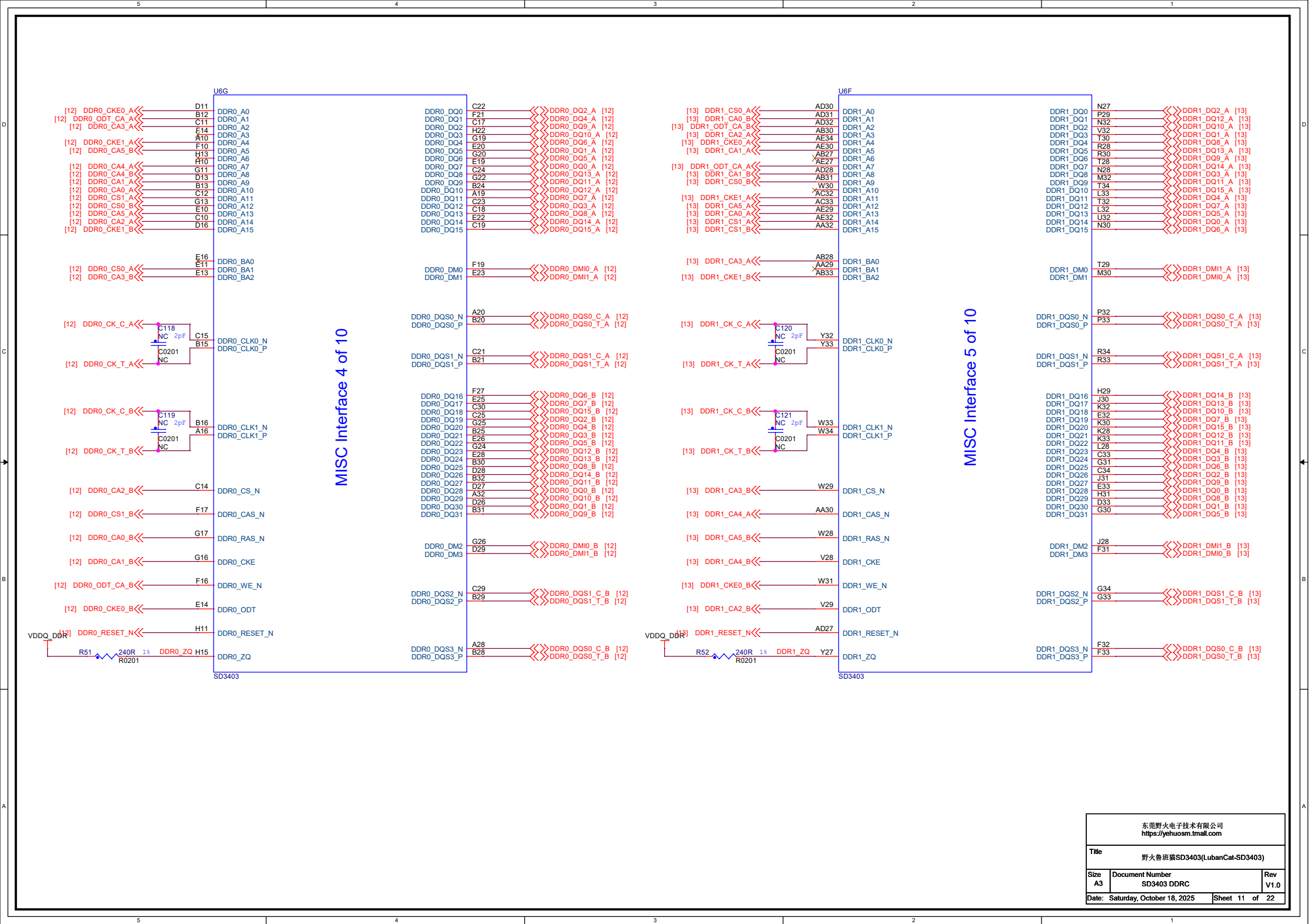


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Title 野火鲁班猫SD3403(LubanCat-SD3403)		
Size A4	Document Number SD3403 PERIPHERAL1	Rev V1.0
Date: Saturday, October 18, 2025	Sheet 9	of 22

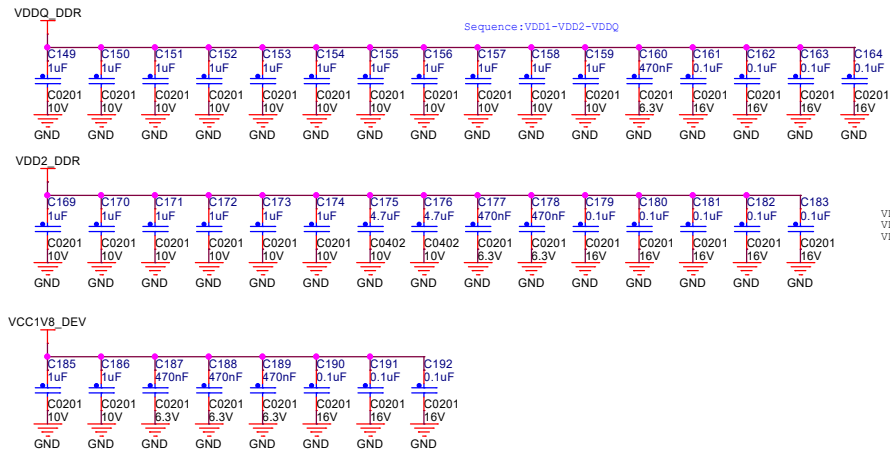
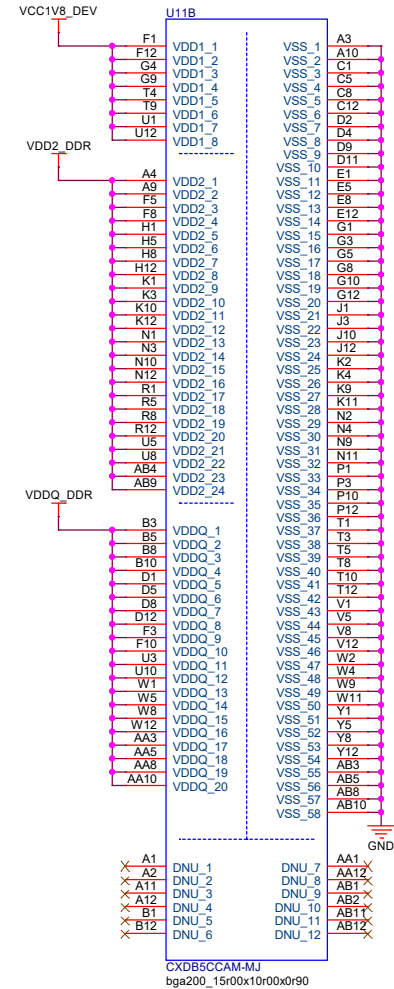
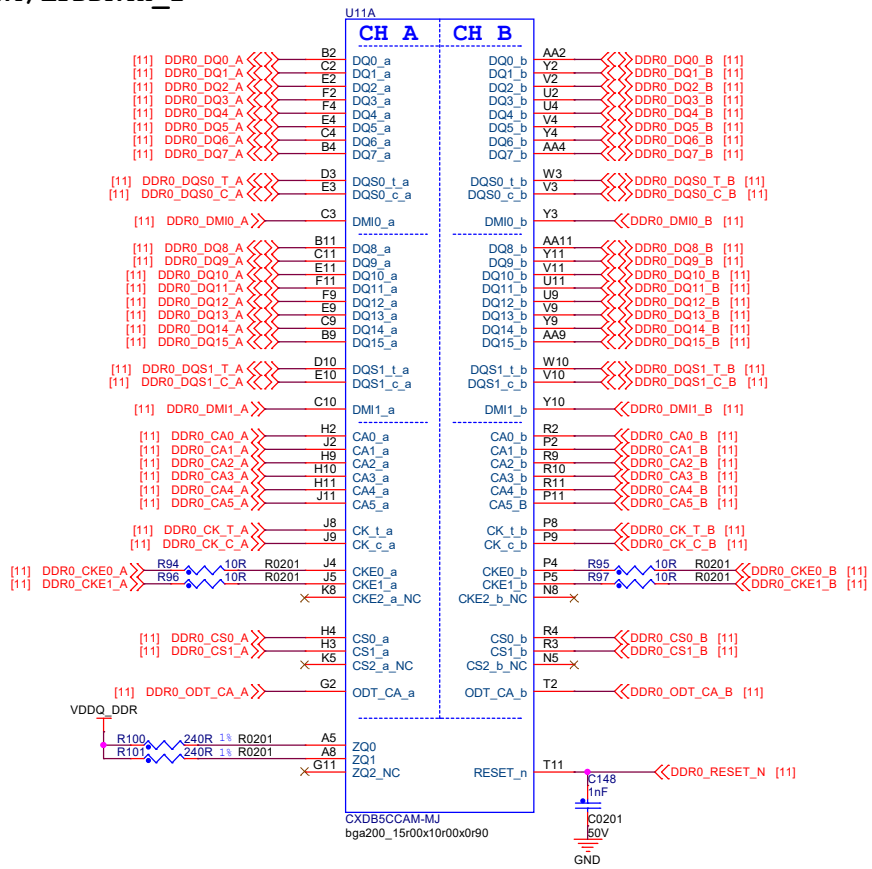


MISC Interface 10 of 10

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Title 野火鲁班猫SD3403(LubanCat-SD3403)		
Size A4	Document Number SD3403 PERIPHERAL2	Rev V1.0
Date: Wednesday, December 24, 2023Sheet 10 of 22		



LPDDR4/LPDDR4x_1



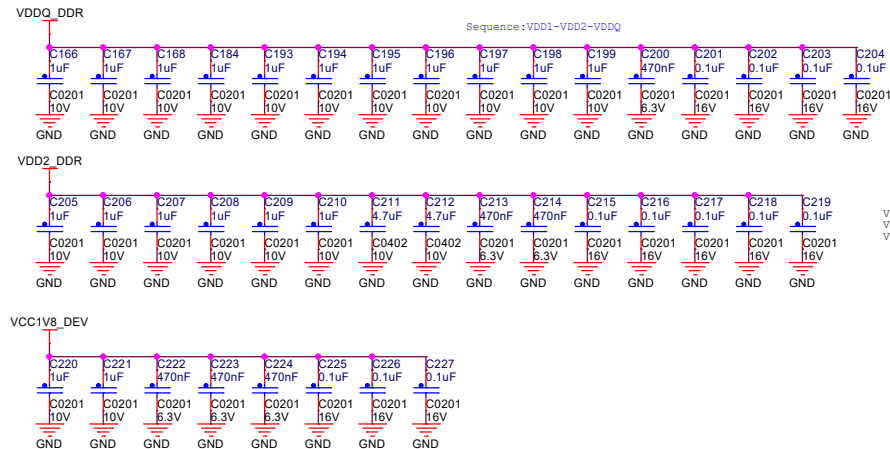
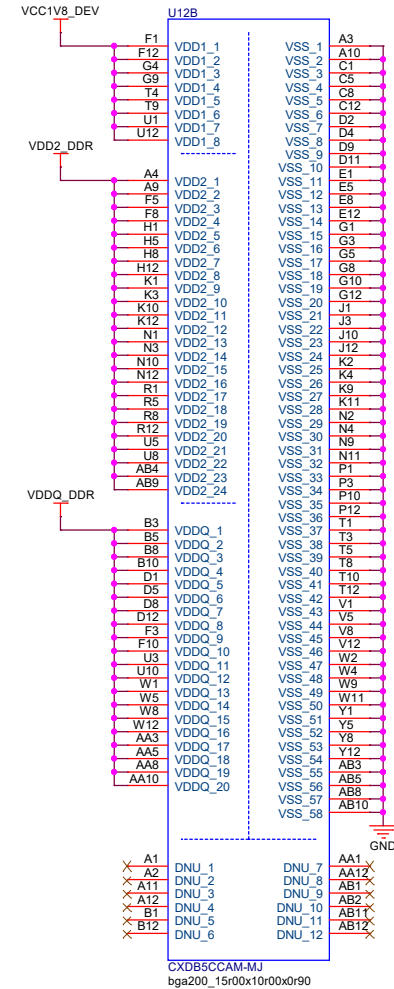
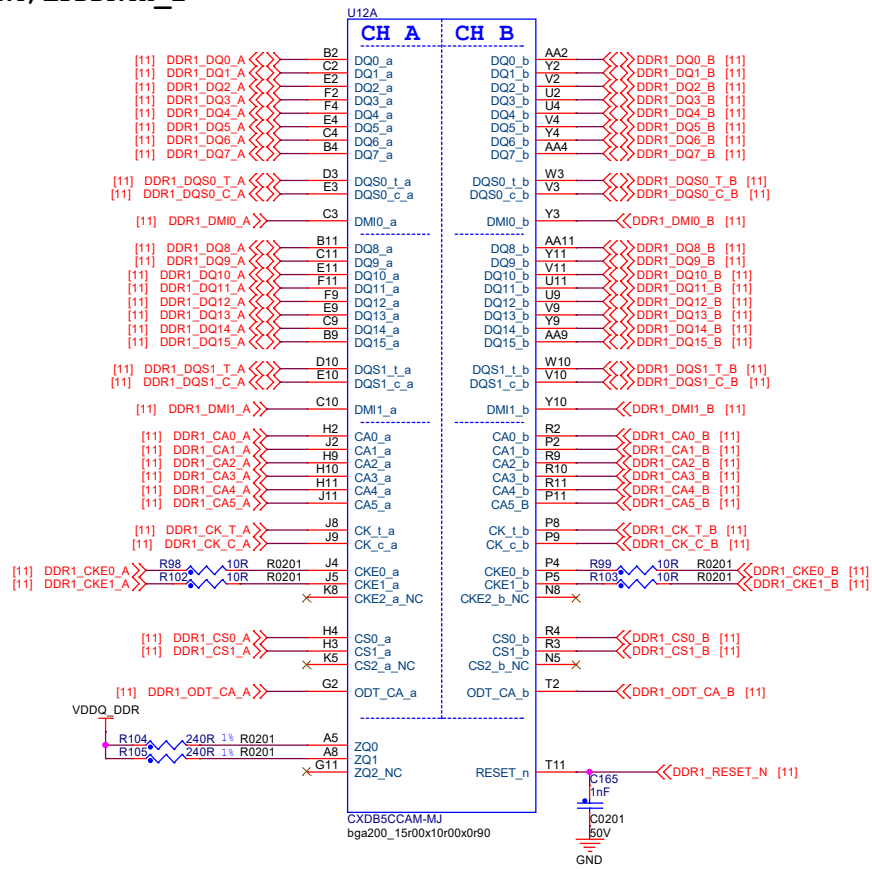
	LPDDR4	LPDDR4X
VDD1:	1.70-1.95	1.70-1.95
VDD2:	1.06-1.17	1.06-1.17
VDDQ:	1.06-1.17	0.57-0.65

Title	野火魯班貓SD3403(LubanCat-SD3403)
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Size A3	Document Number LPDDR4/4x_1	Rev V1.0
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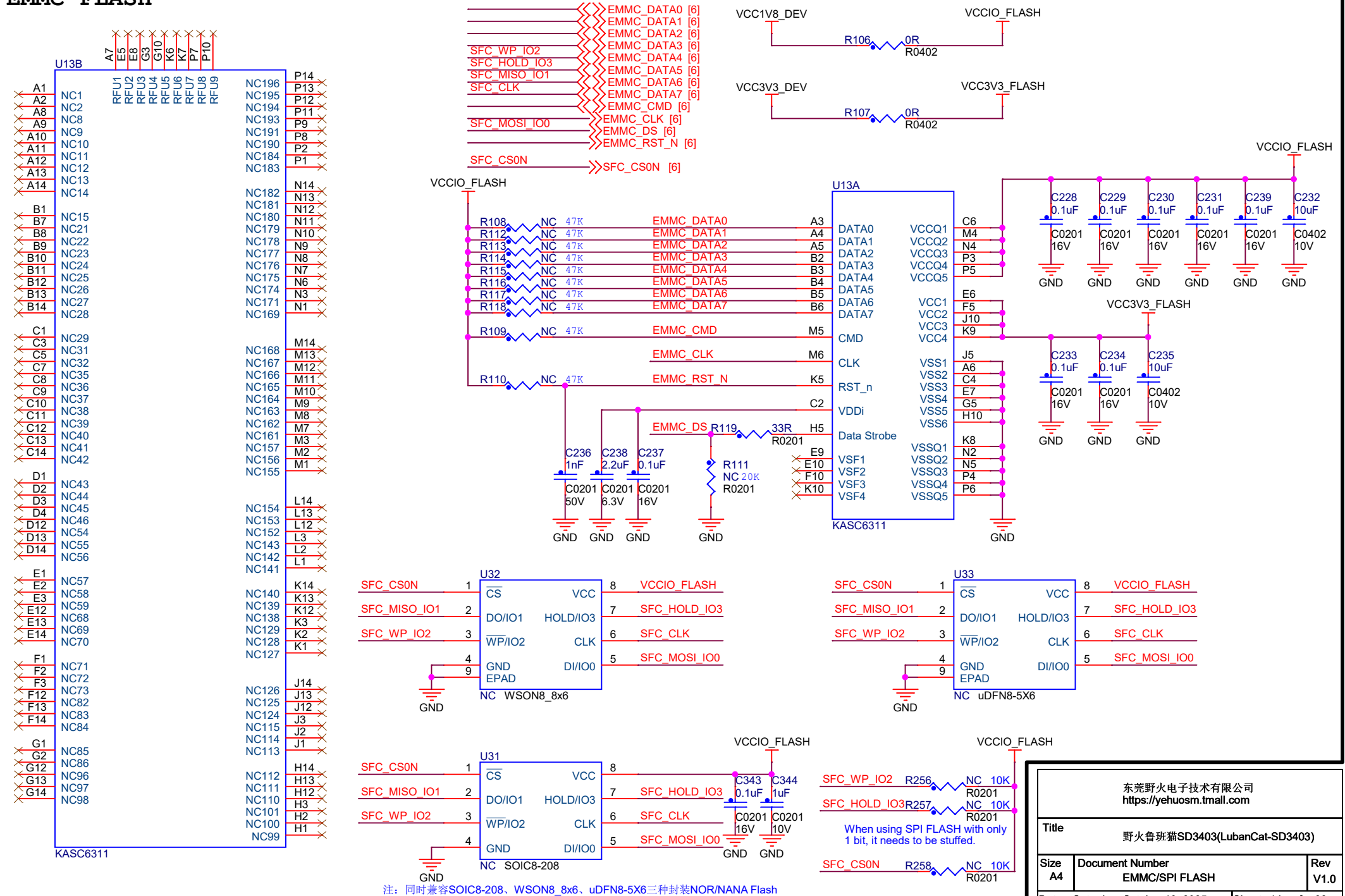
Date: Saturday, October 18, 2025 Sheet 12 of 22

LPDDR4/LPDDR4x_2



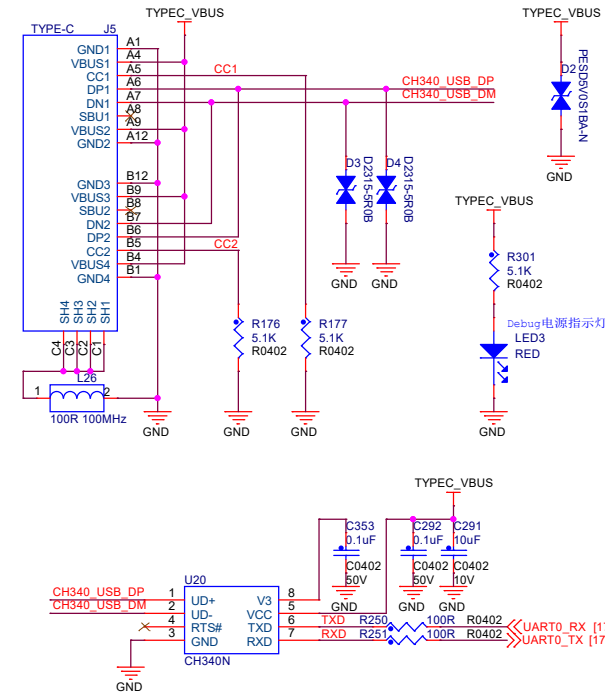
	LPDDR4	LPDDR4X
VDD1:	1.70-1.95	1.70-1.95
VDD2:	1.06-1.17	1.06-1.17
VDDQ:	1.06-1.17	0.57-0.65

EMMC FLASH

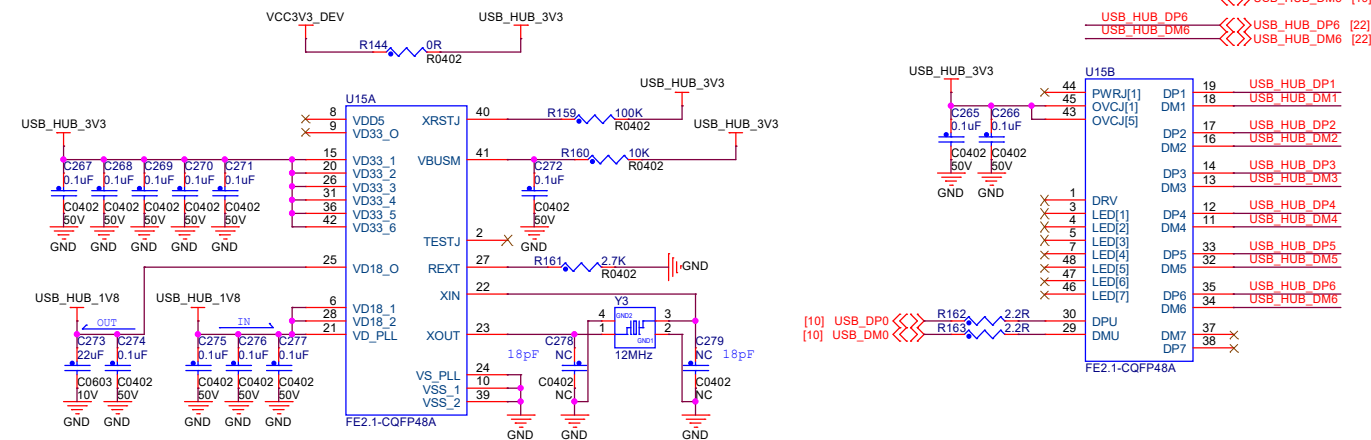


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Title 野火鲁班猫SD3403(LubanCat-SD3403)		
Size A4	Document Number EMMC/SPI FLASH	Rev V1.0
Date: Saturday, October 18, 2025	Sheet 14	of 22

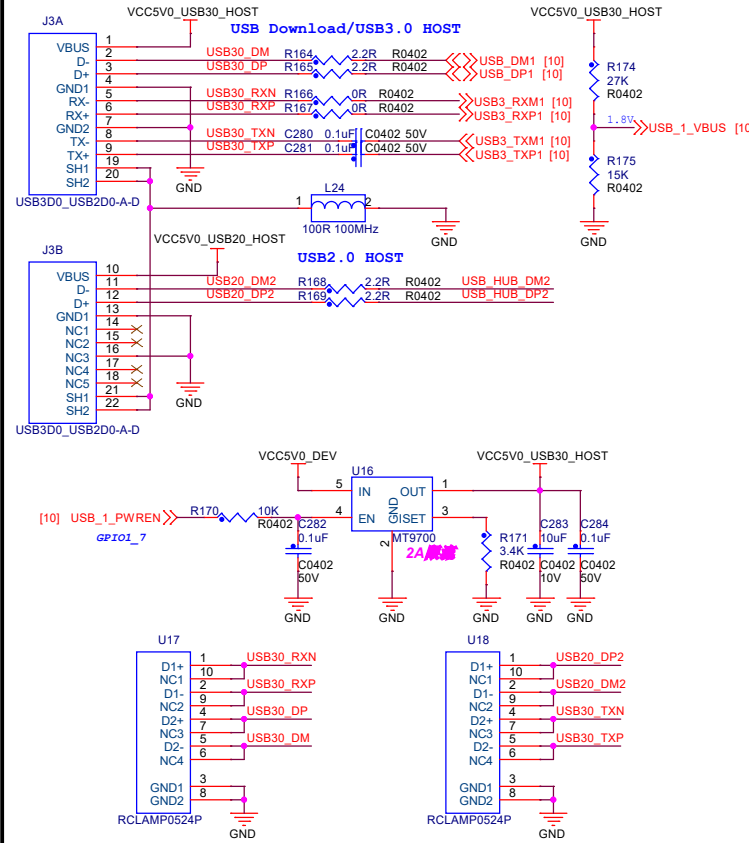
TYPE-C DC & Fast Boot Download



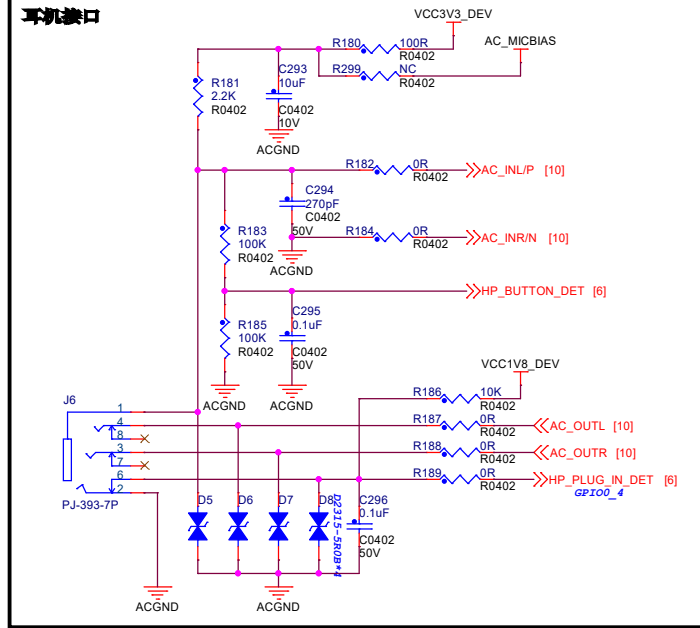
USB2.0 HUB



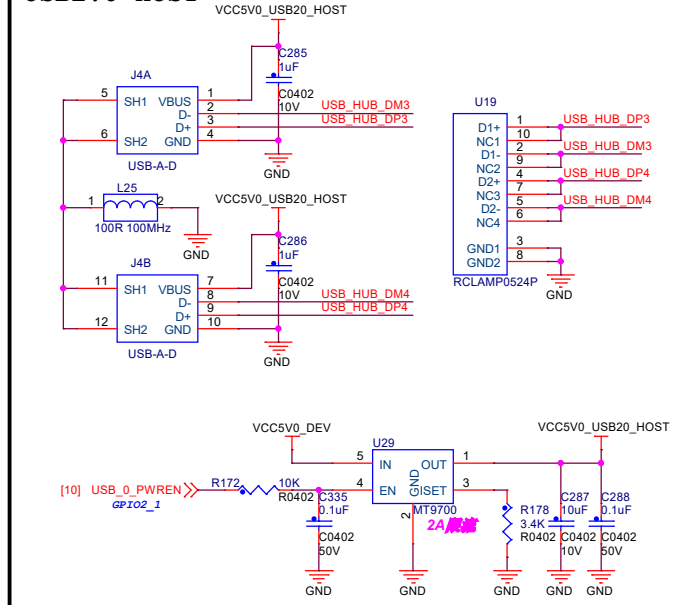
USB2.0 USB3.0 HOST



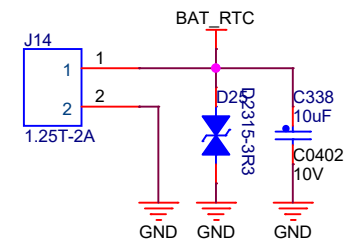
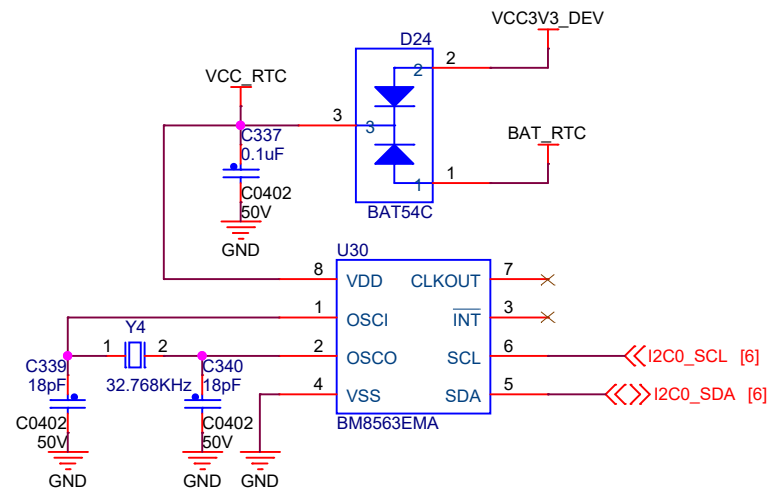
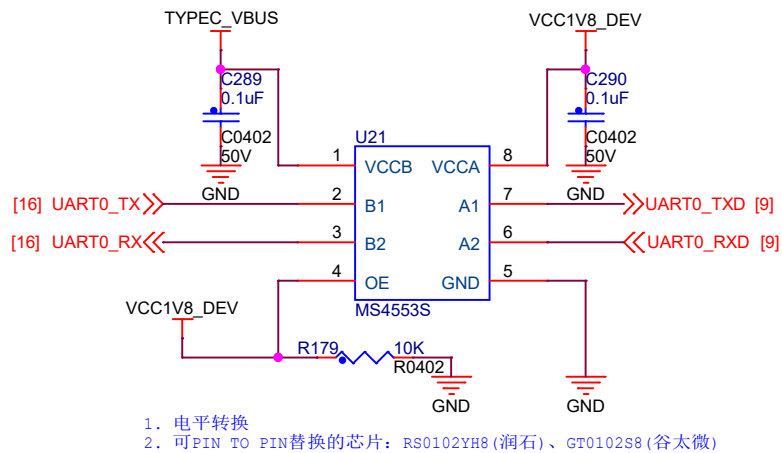
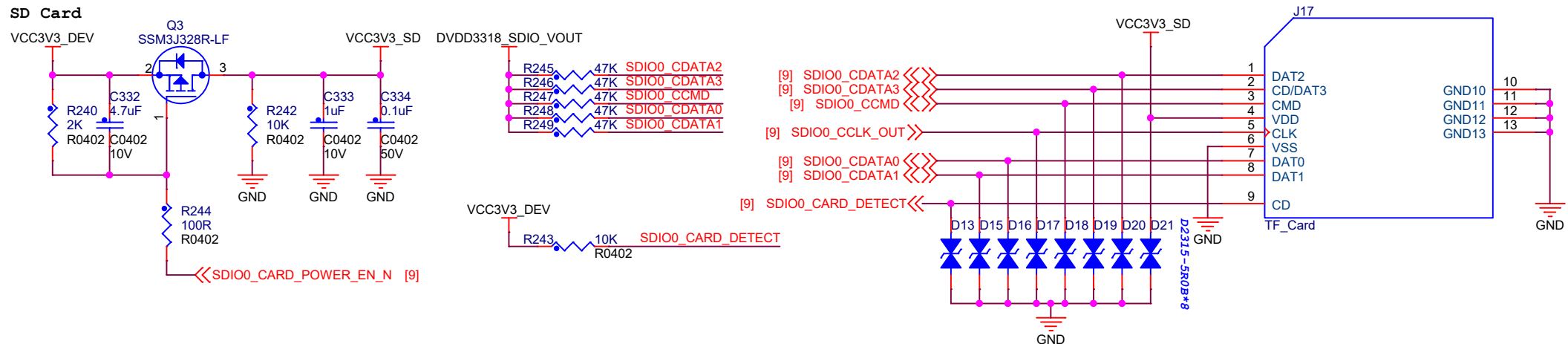
手机接口



USB2.0 HOST



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Title 野火鲁班猫SD3403(LubanCat-SD3403)		
Size A3	Document Number USB/耳机接口	Rev V1.0
Date: Tuesday, December 23, 2025	Sheet 16	of 22

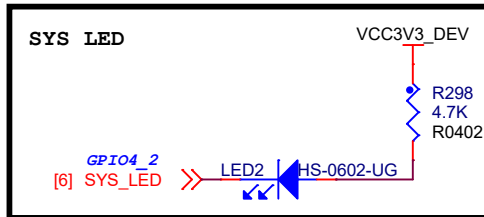
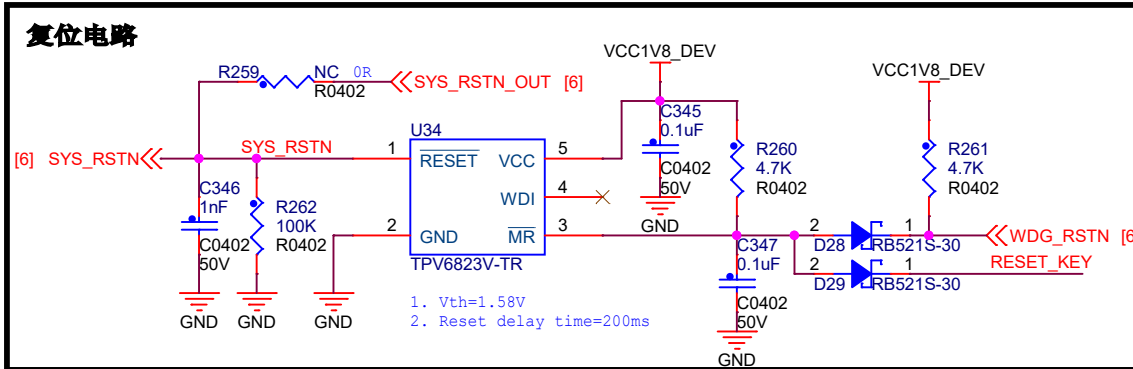
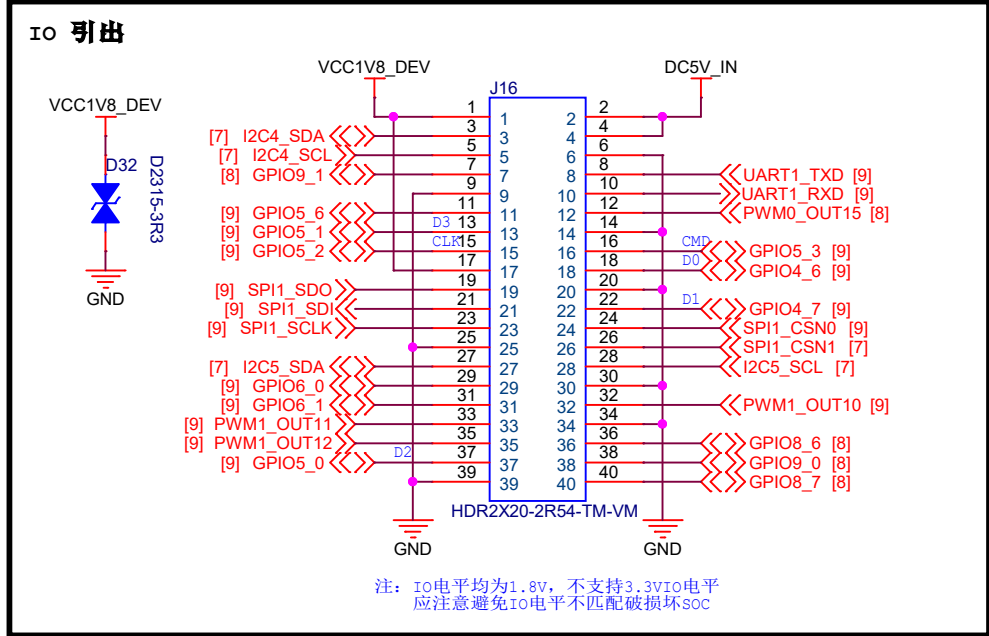
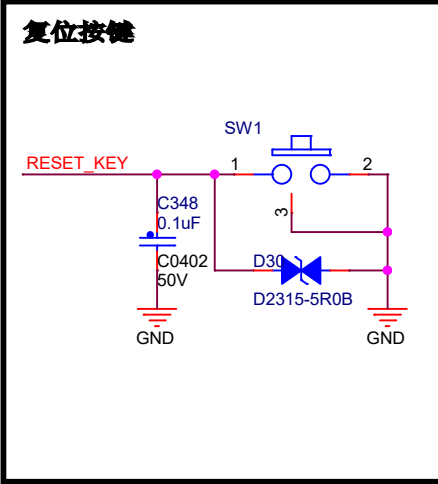
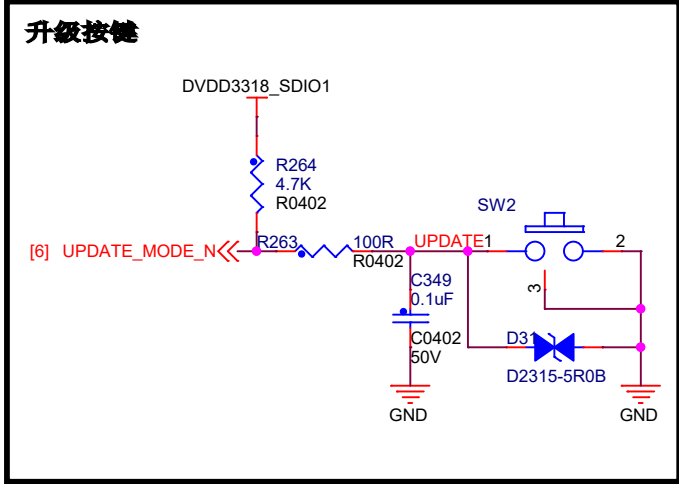
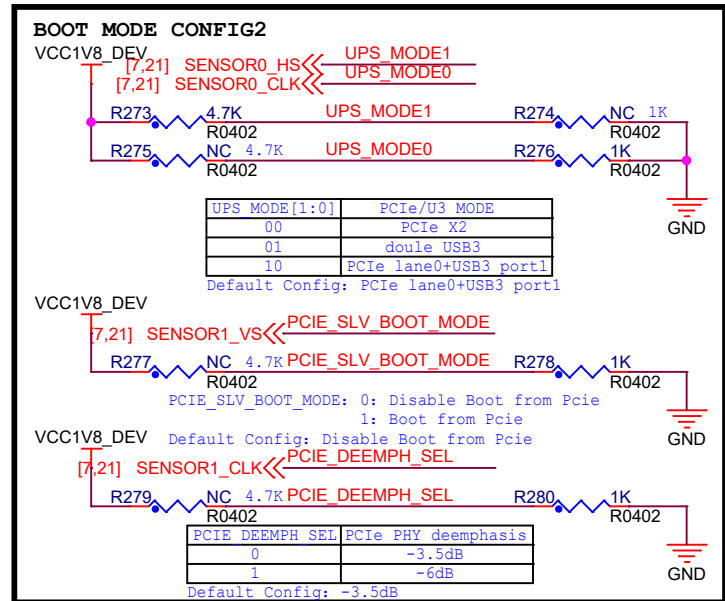
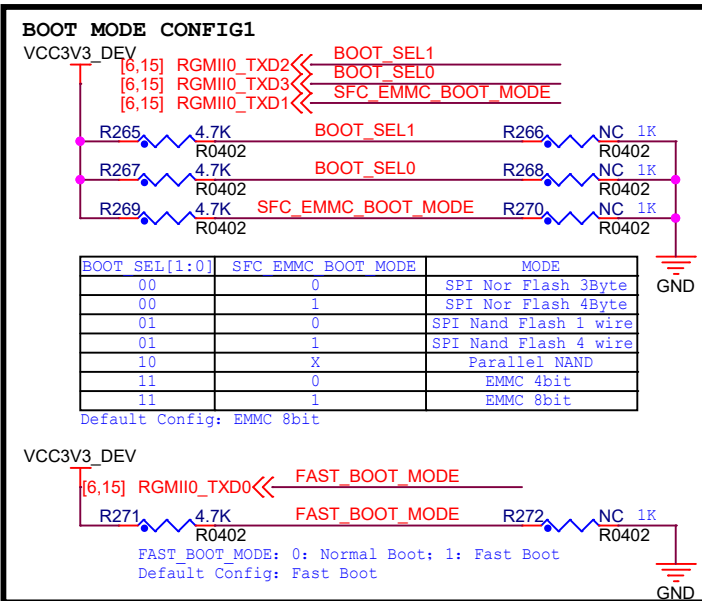
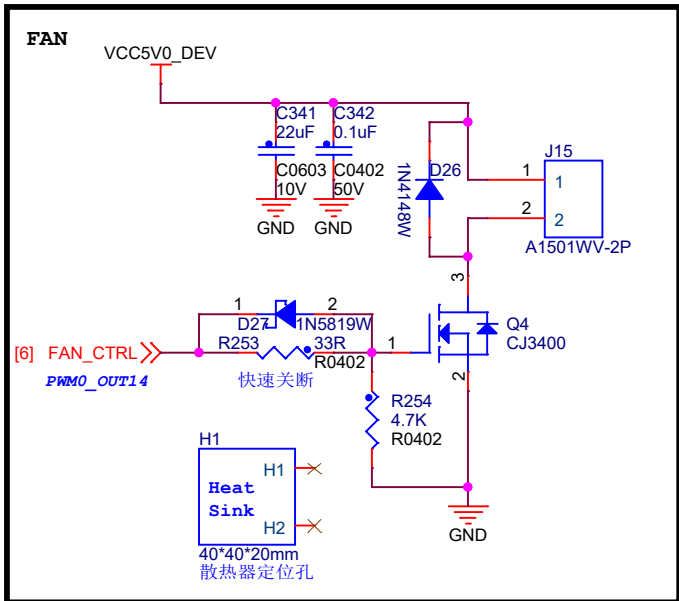


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<https://yehuosm.tmall.com>

Title	野火鲁班猫SD3403(LubanCat-SD3403)
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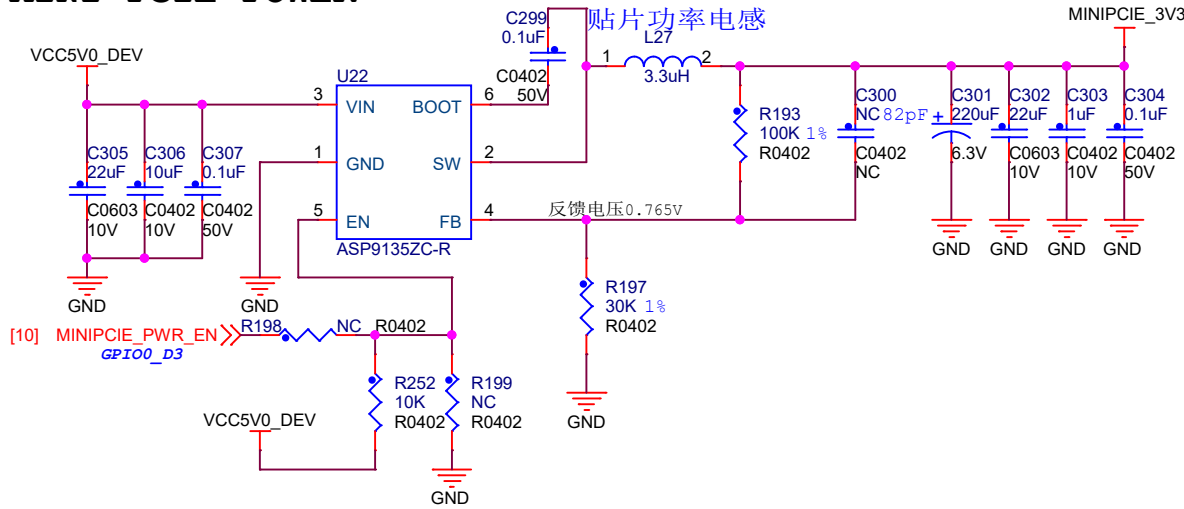
Size A4	Document Number SD Card/Debug/RTC	Rev V1.0
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Date: Tuesday, December 23, 2025 Sheet 17 of 22

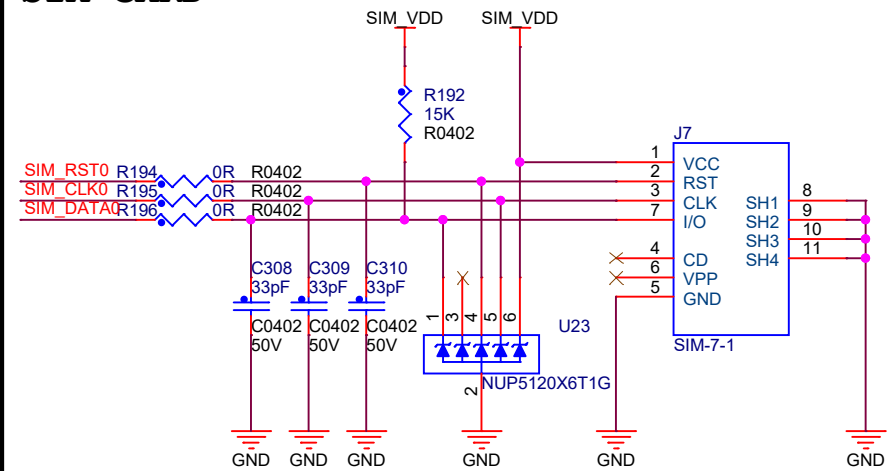


东莞野火电子有限公司 https://yehuosm.tmall.com		
Title 野火鲁班猫SD3403(LubanCat-SD3403)		
Size A4	Document Number FAN/按键/硬件配置/IO引出	Rev V1.0
Date: Monday, December 22, 2025	Sheet 18 of 22	

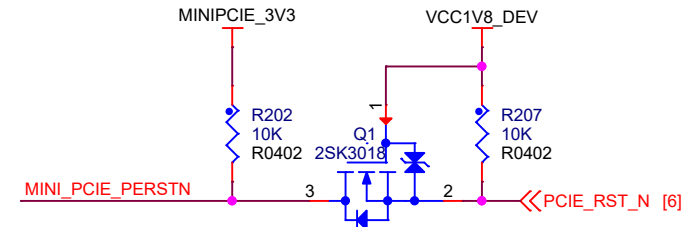
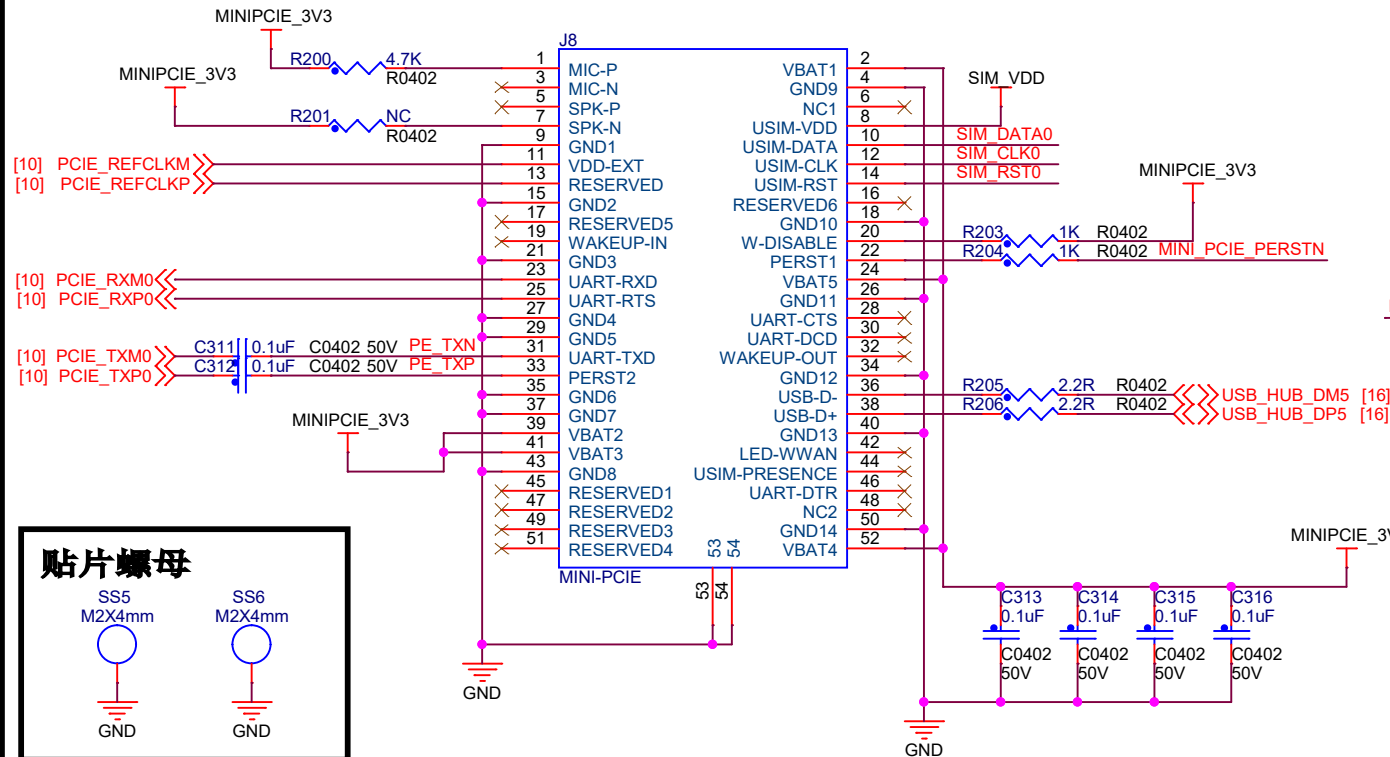
MINI PCIE POWER



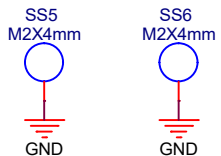
SIM CARD



MINI PCIE



贴片螺母



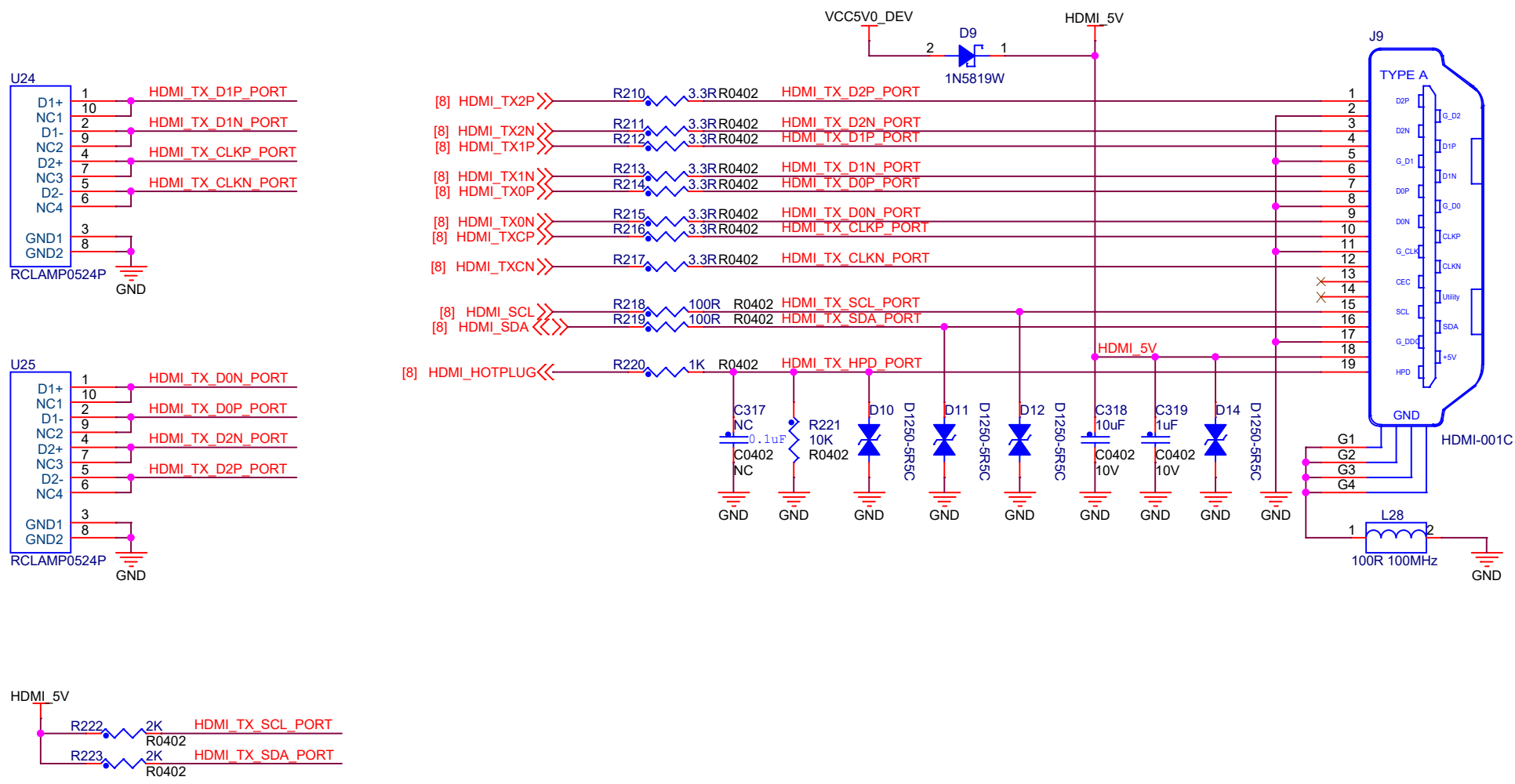
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Title 野火鲁班猫SD3403(LubanCat-SD3403)

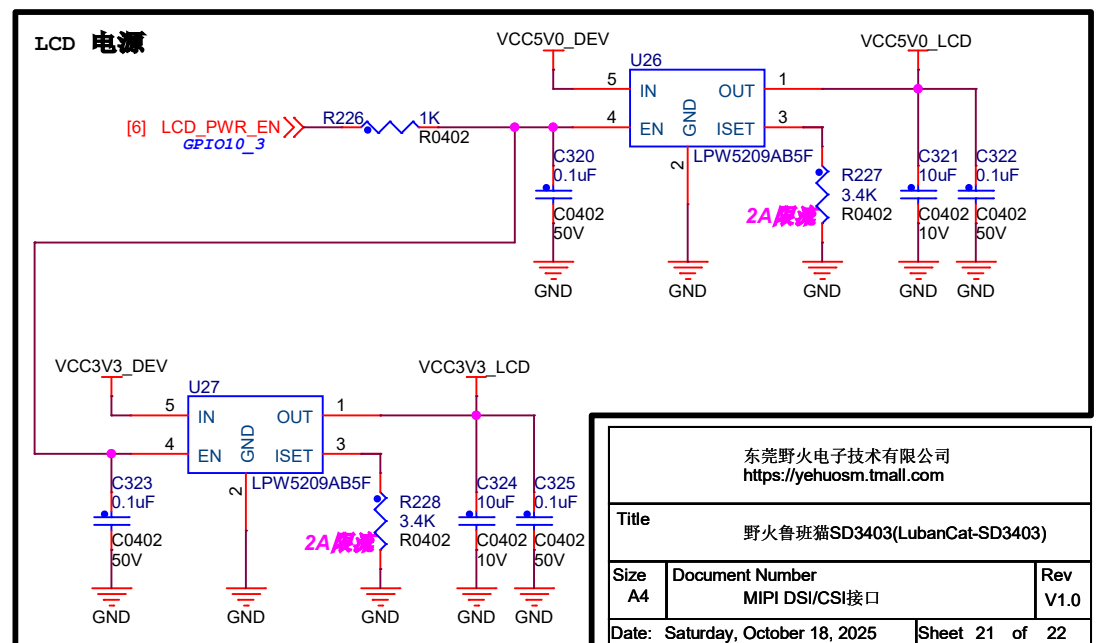
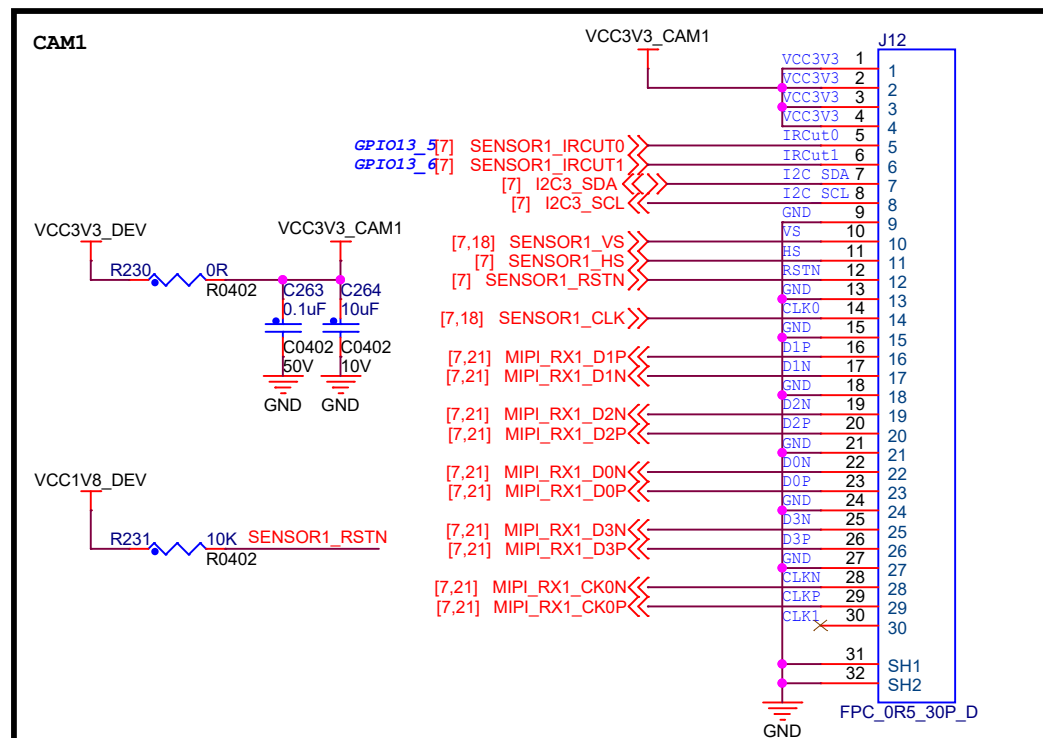
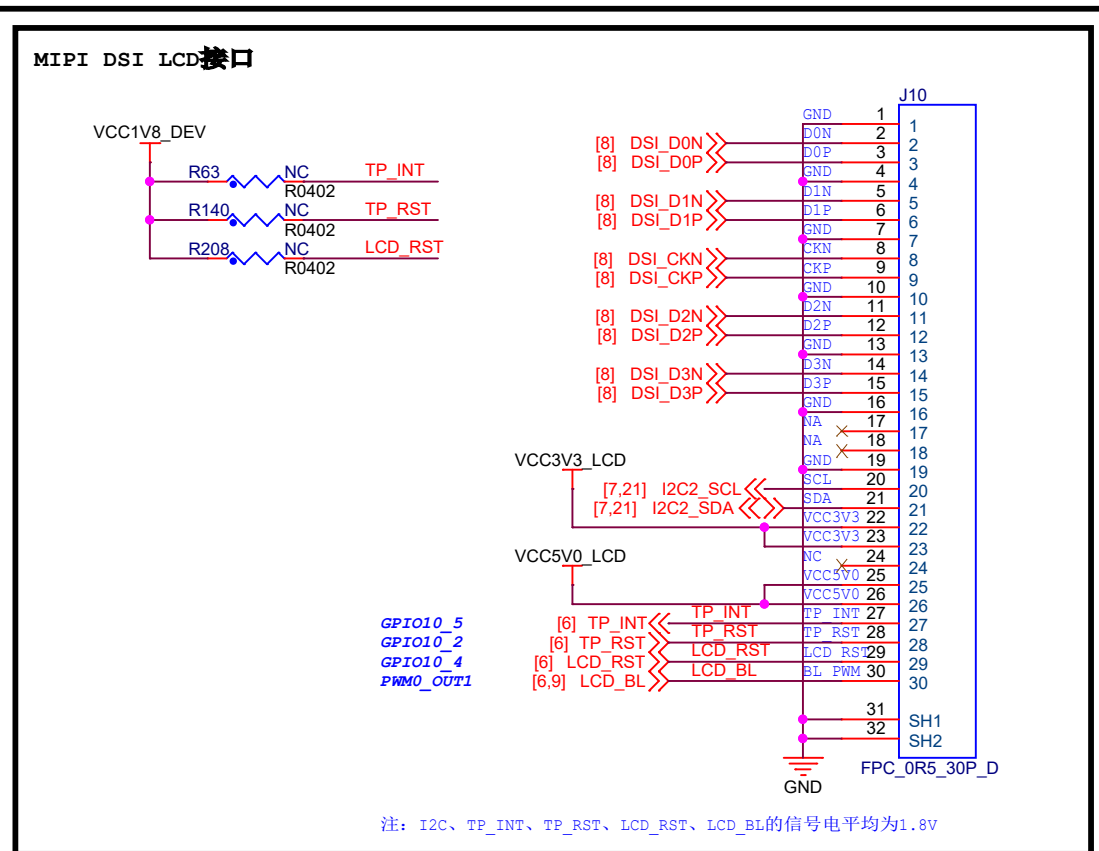
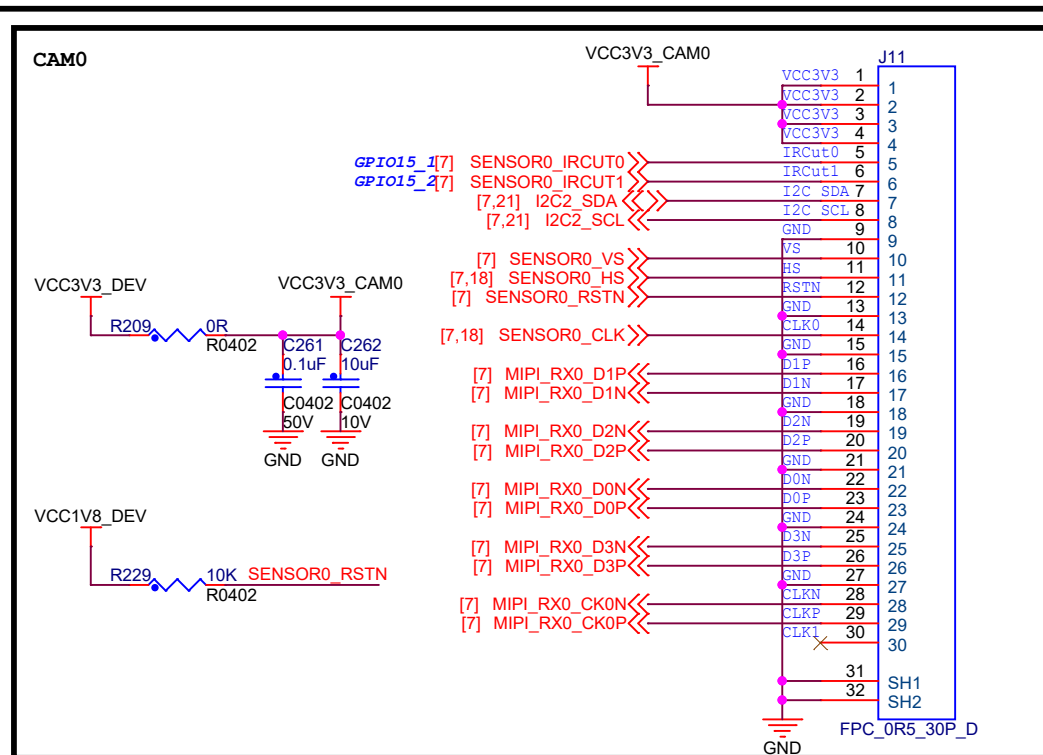
Size A4	Document Number MINI PCIE接口	Rev V1.0
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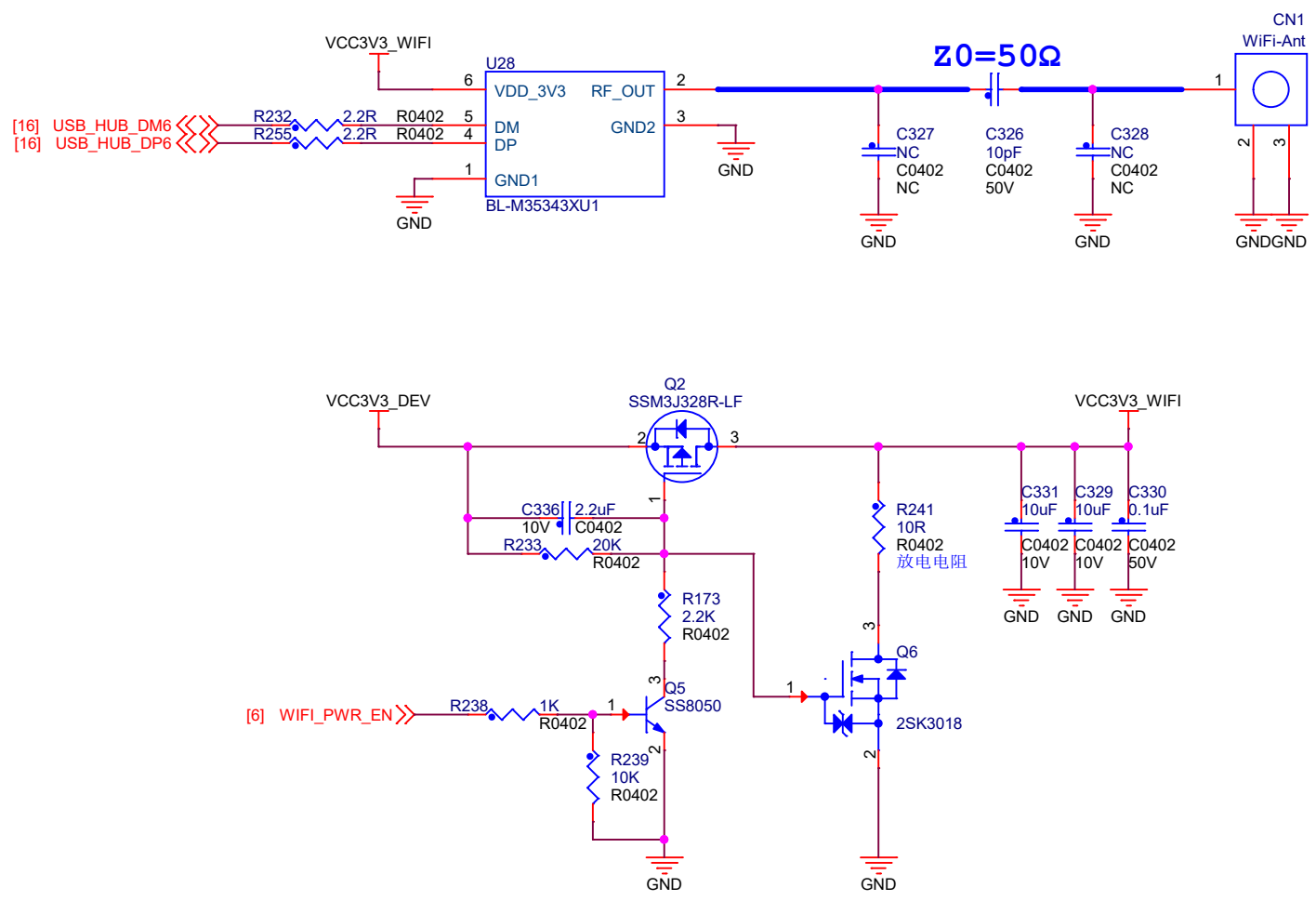
HDMI接口



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Title 野火鲁班猫SD3403(LubanCat-SD3403)		
Size A4	Document Number HDMI接口	Rev V1.0
Date: Saturday, October 18, 2025		Sheet 20 of 22



USB WIFI模块



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Title 野火鲁班猫SD3403(LubanCat-SD3403)		
Size A4	Document Number USB WIFI模块	Rev V1.0
Date: Wednesday, December 24, 2023 Sheet 22 of 22		