

鲁班猫A0 (LubanCat A0) H618_原理图_v0.1

目录

Page 1	目录
Page 2	历史版本
Page 3	上电时序
Page 4	USB电源输入/SD卡/LED
Page 5	PMIC/SOC电源
Page 6	LPDDR4
Page 7	DEBUG/SOC-FUNCTION
Page 8	SOC-GPIO
Page 9	WIFI/FLASH/FPC接口
Page 10	HDMI
Page 11	双排针/网口
Page 12	
Page 13	
Page 14	

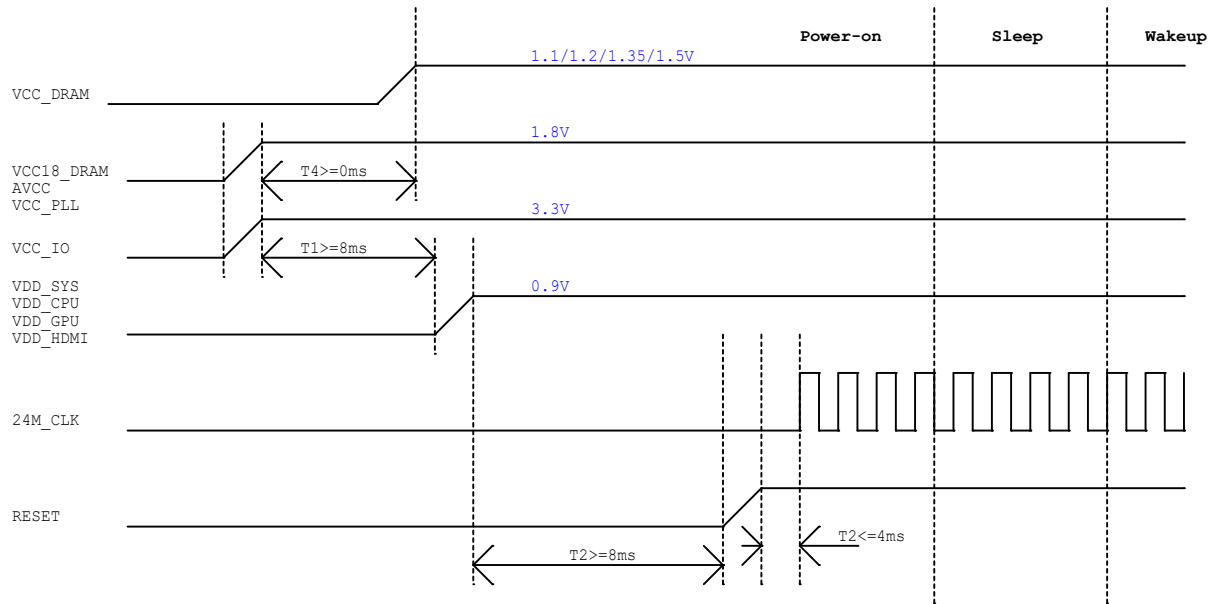
东莞野火电子有限公司 https://yehuosm.tmall.com		
Title 鲁班猫A0(LubanCat A0)H618		
Size A4	Document Number 目录	Rev V0.1
Date: Thursday, February 13, 2025	Sheet 1 of 14	

历史版本

版本号	日期	设计	描述
V0.1	2024-06-18	ZTC	初始版本

东莞野火电子有限公司 https://yehuosm.tmall.com		
Title 鲁班猫A0(LubanCat A0)H618		
Size A4	Document Number 历史版本	Rev V0.1
Date: Thursday, February 13, 2025	Sheet 2 of 14	

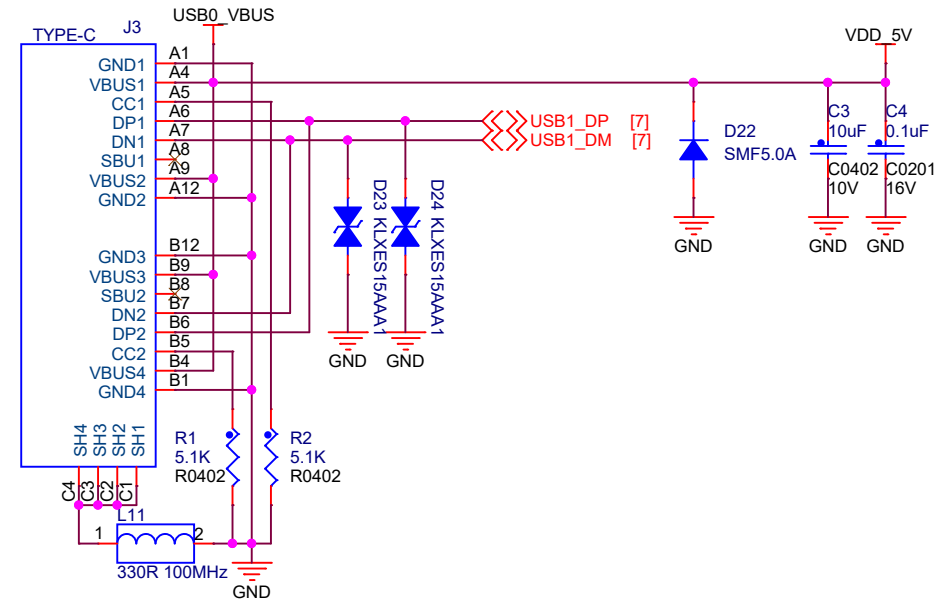
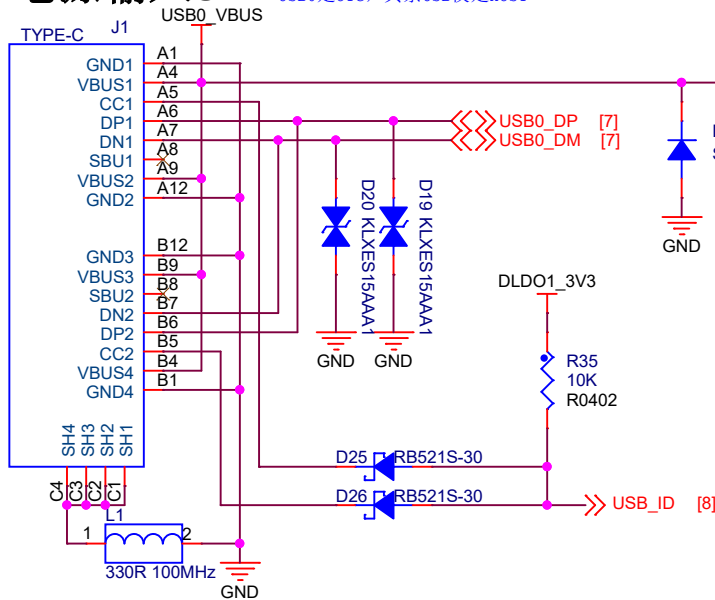
上电时序



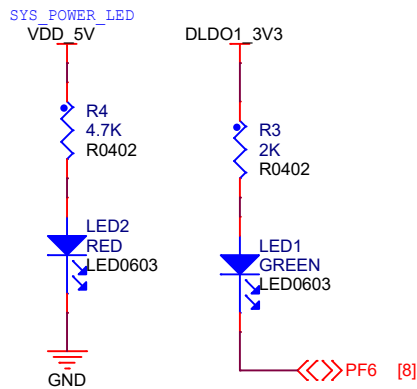
东莞野火电子技术有限公司 https://yehuosm.tmall.com		
Title 鲁班猫A0(LubanCat A0)H618		
Size A4	Document Number 上电时序	Rev V0.1
Date: Thursday, February 13, 2025	Sheet 3 of 14	

电源输入5v

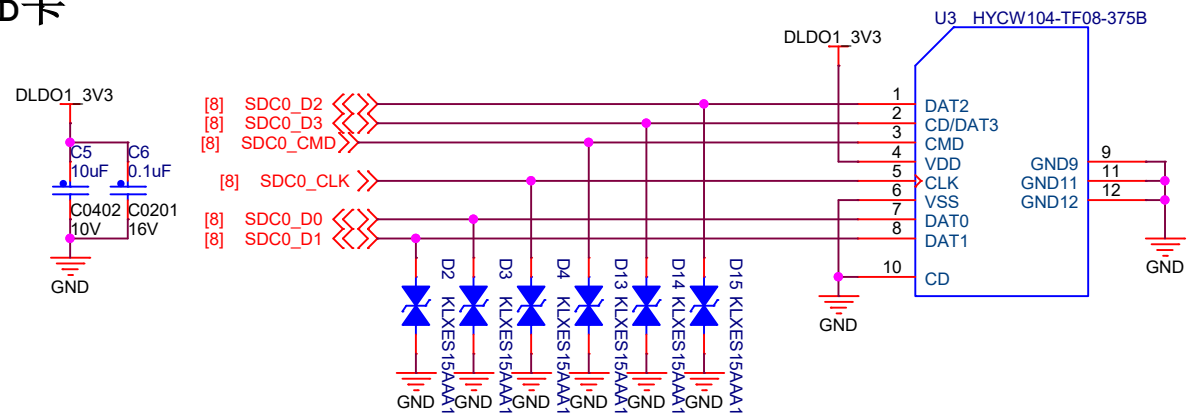
USB0是OTG, 其余USB仅是HOST



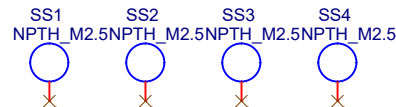
LED



SD卡



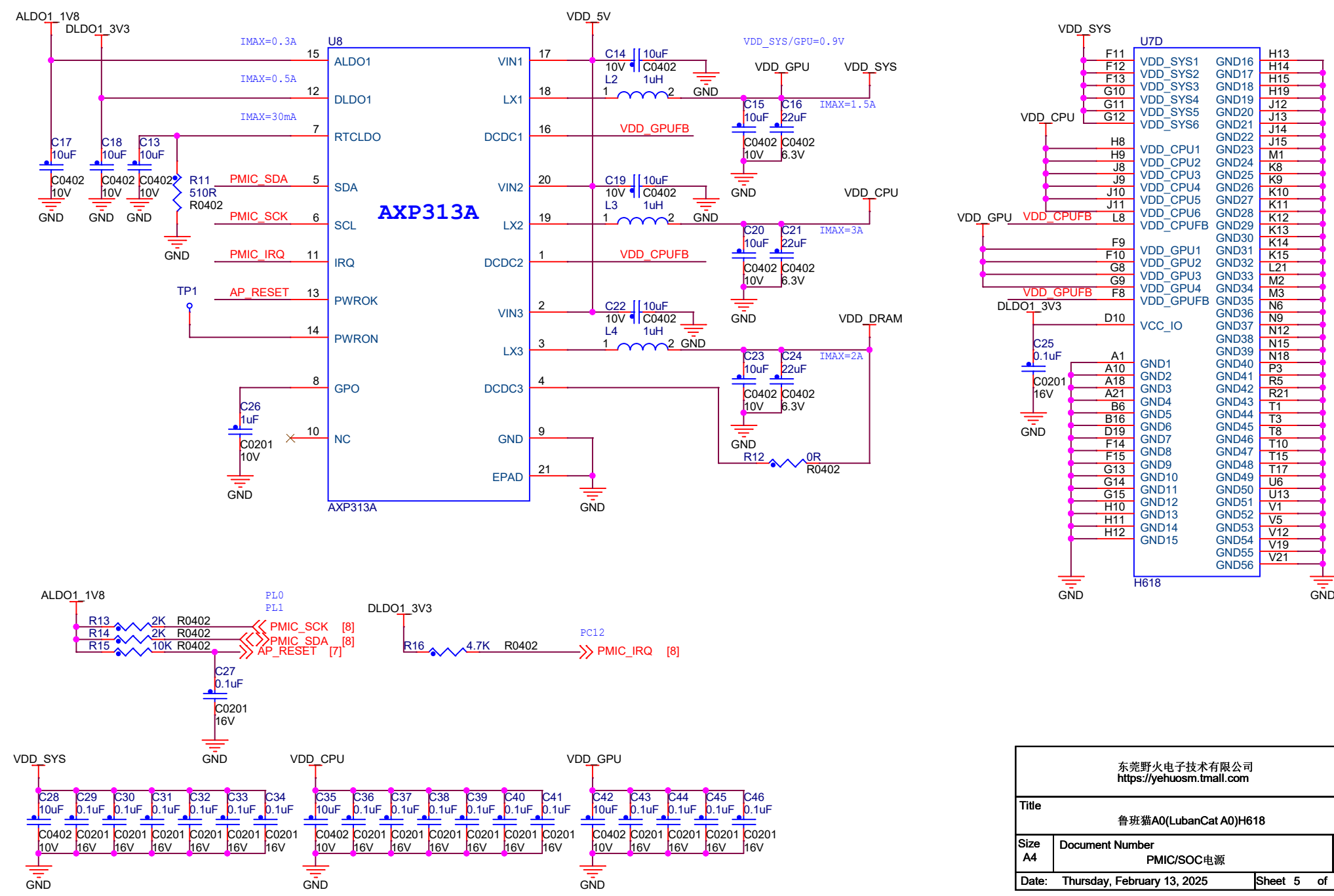
定位孔



东莞野火电子有限公司
<https://yehuosm.tmall.com>

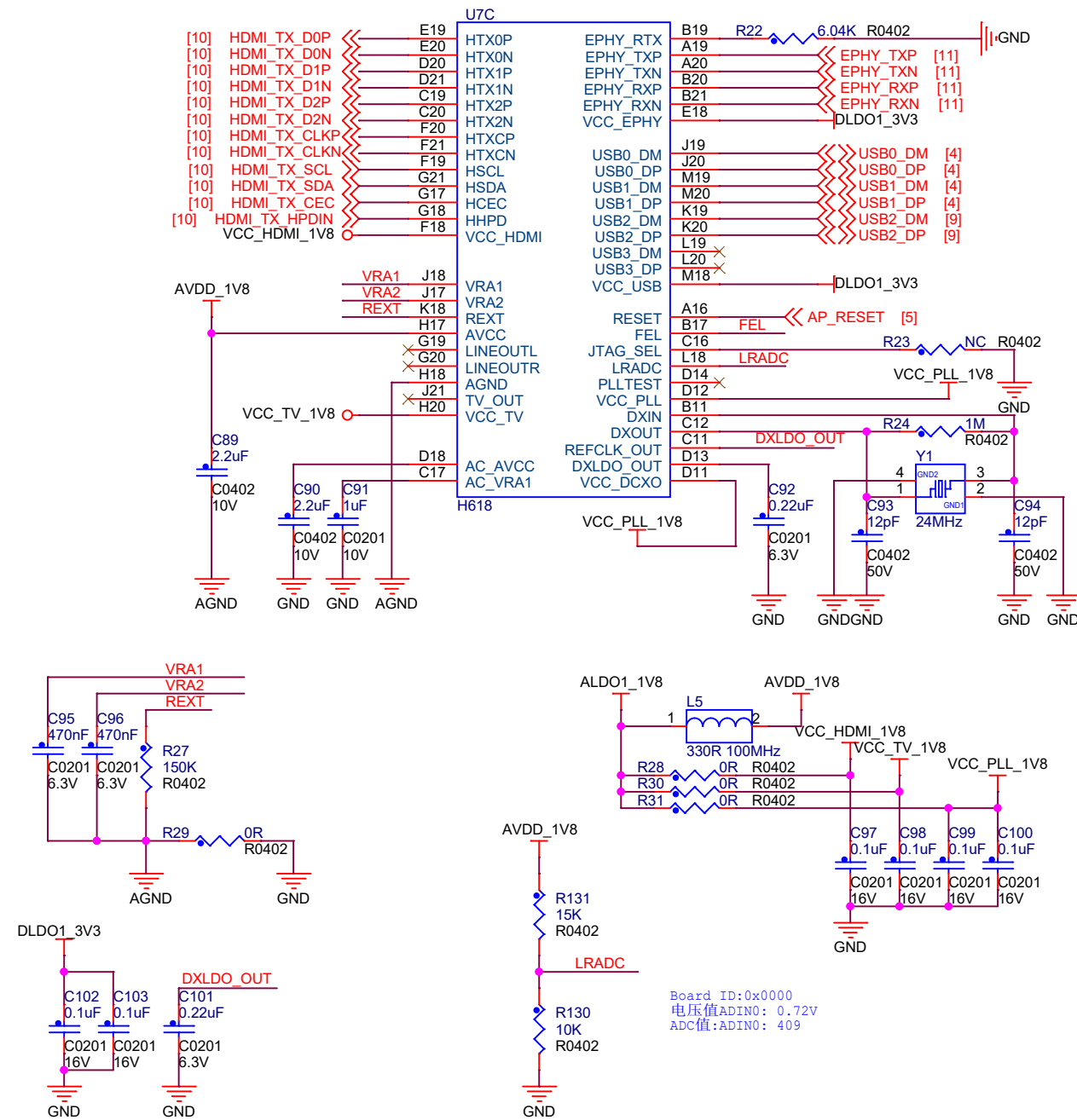
Title		
鲁班猫A0(LubanCat A0)H618		
Size	Document Number	Rev
A4	USB电源输入/SD卡/LED	V0.1
Date: Thursday, February 13, 2025		Sheet 4 of 14

PMIC/SOC电源

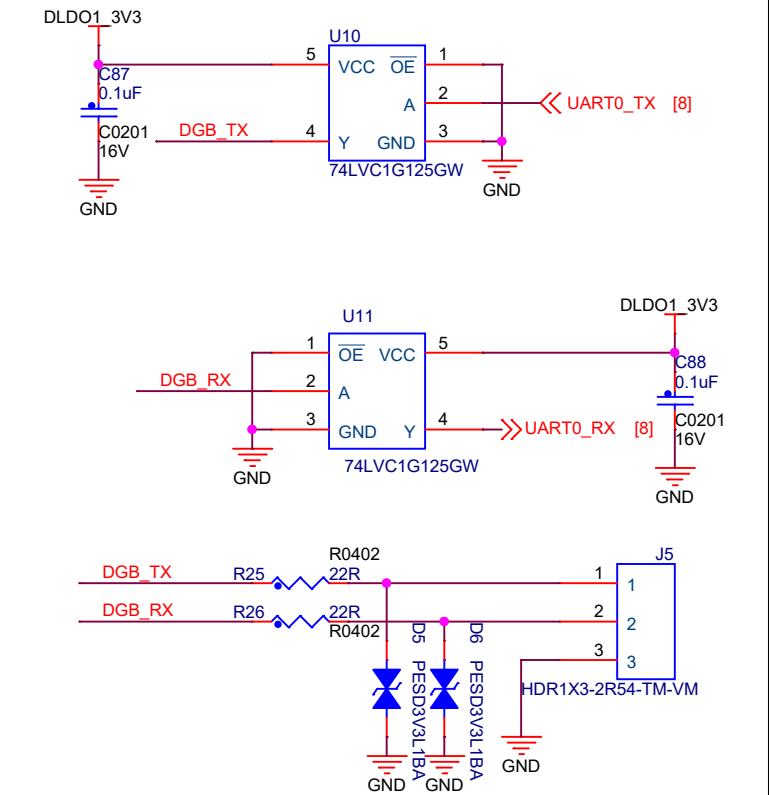


东莞野火电子技术有限公司 https://yehuosm.tmall.com		
Title 鲁班猫A0(LubanCat A0)H618		
Size A4	Document Number PMIC/SOC电源	Rev V0.1
Date: Thursday, February 13, 2025	Sheet 5 of 14	

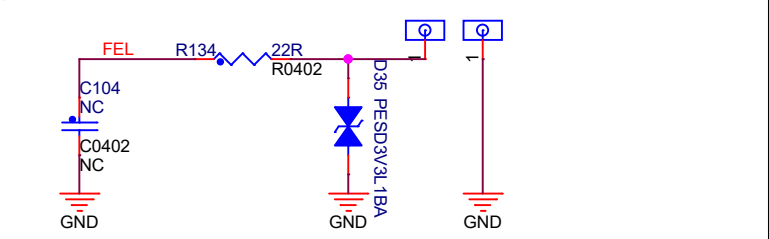
SOC-FUNCTION



DEBUG

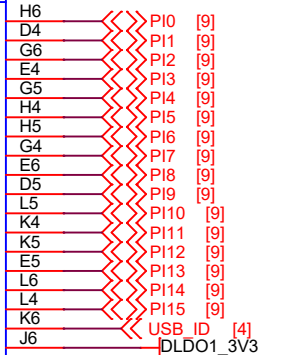
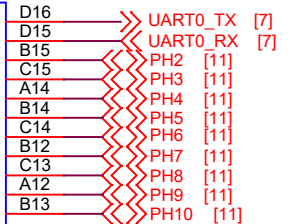
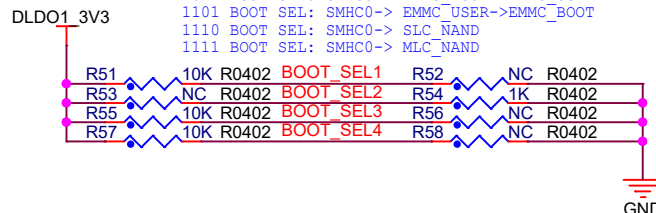
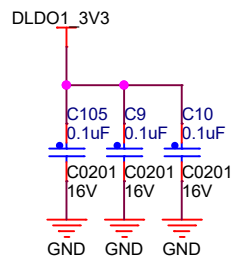
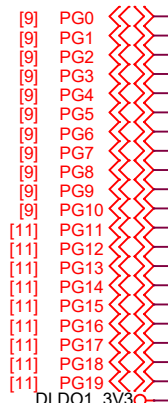
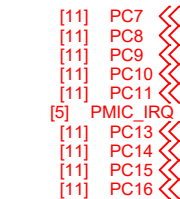


烧录模式选择



东莞野火电子技术有限公司 https://yehuosm.tmall.com		
Title		
鲁班猫A0(LubanCat A0)H618		
Size A4	Document Number DEBUG/SOC-FUNCTION	Rev V0.1
Date: Thursday, February 13, 2025	Sheet 7 of 14	

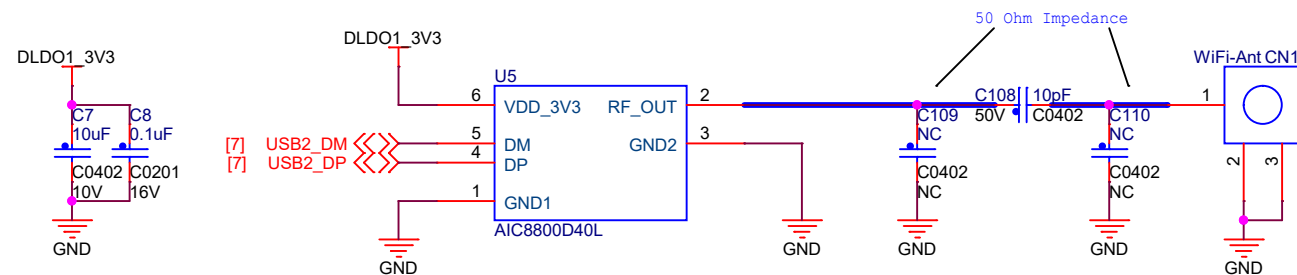
[9] SPI0_CLK
[11] PC1
[9] SPI0_MOSI
[9] SPI0_CS0
[9] SPI0_MISO



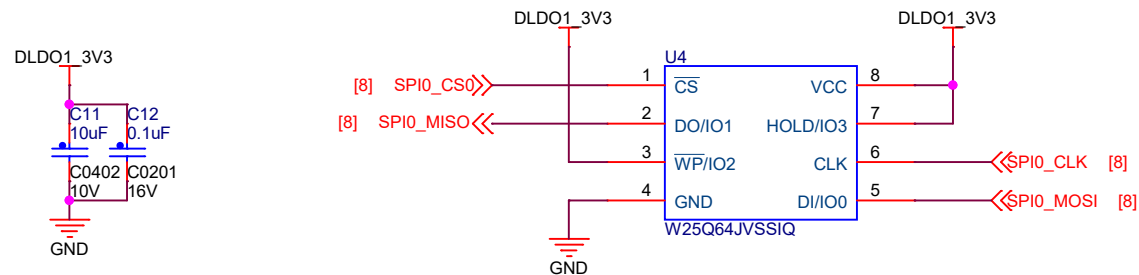
东莞野火电子技术有限公司
<https://yehuosm.tmall.com>

Title			
鲁班猫A0(LubanCat A0)H618			
Size A4	Document Number SOC-GPIO		Rev V0.1
Date:	Thursday, February 13, 2025	Sheet 8	of 14

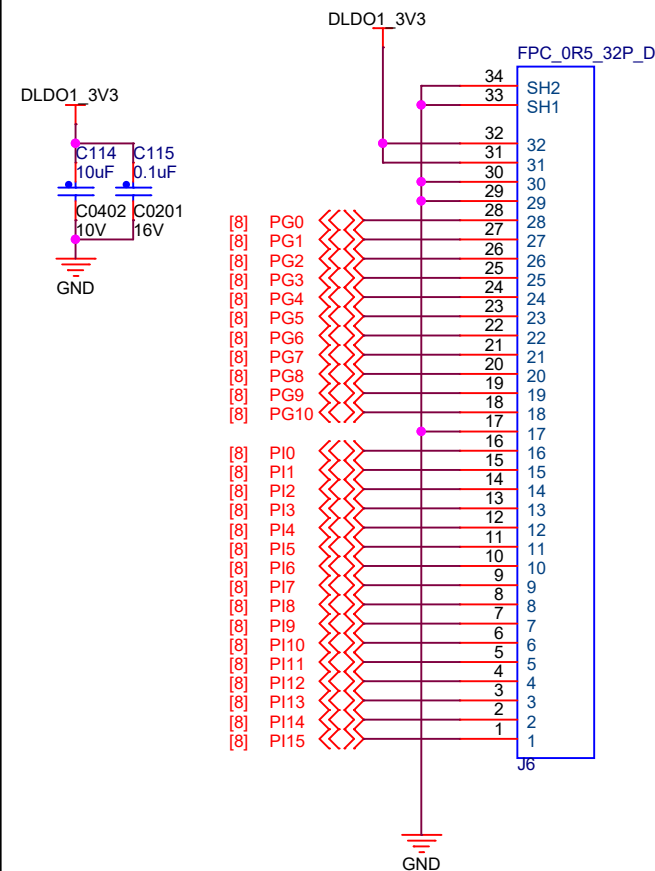
WIFI



FLASH



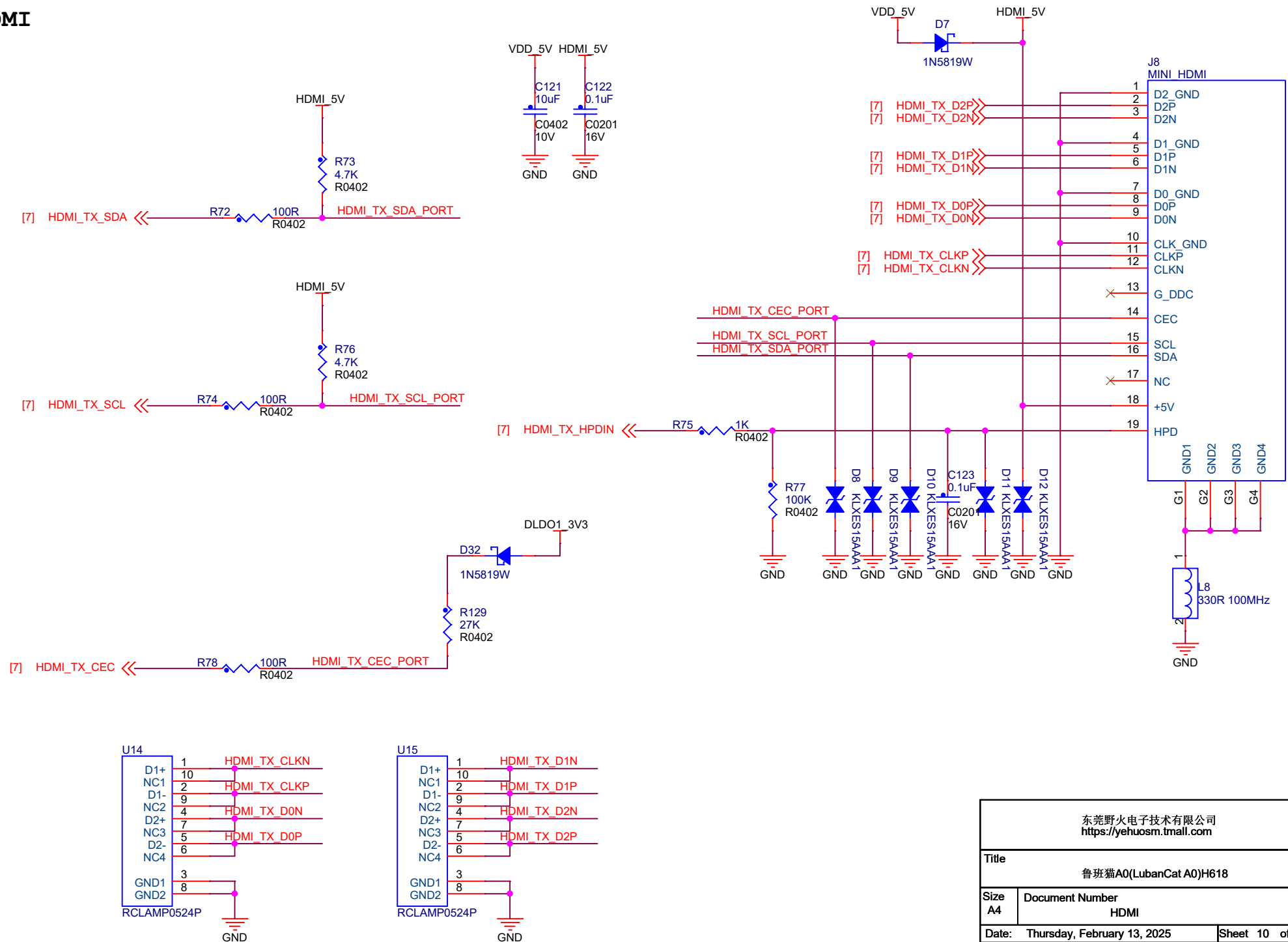
FPC接口



东莞野火电子技术有限公司
https://yehuosm.tmall.com

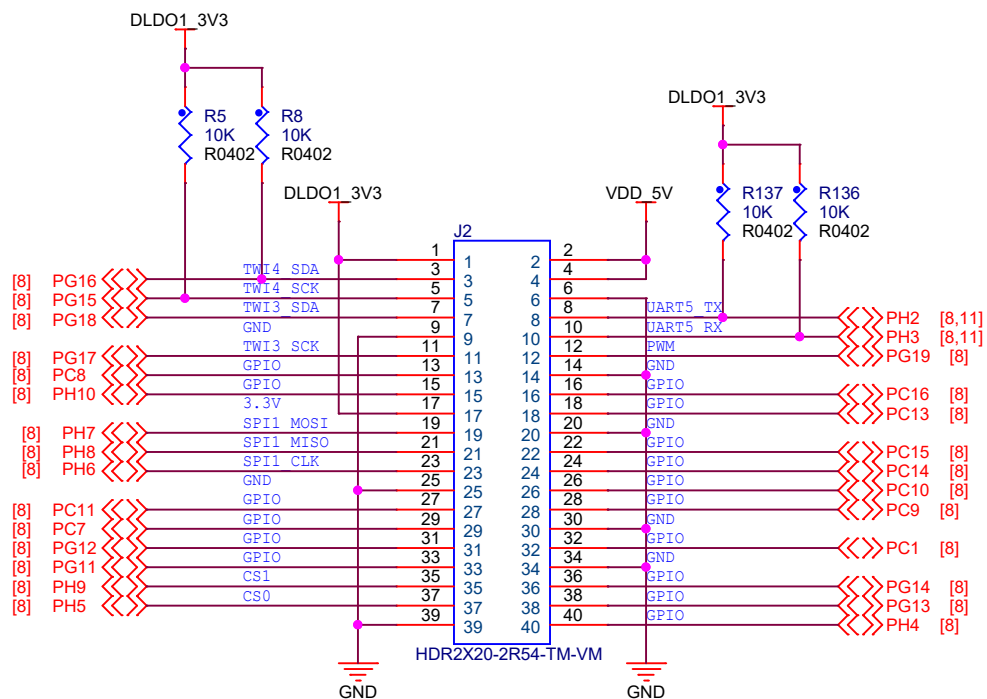
Title		
鲁班猫A0(LubanCat A0)H618		
Size A4	Document Number WIFI/FLASH/FPC接口	Rev V0.1
Date:	Thursday, February 13, 2025	Sheet 9 of 14

HDMI

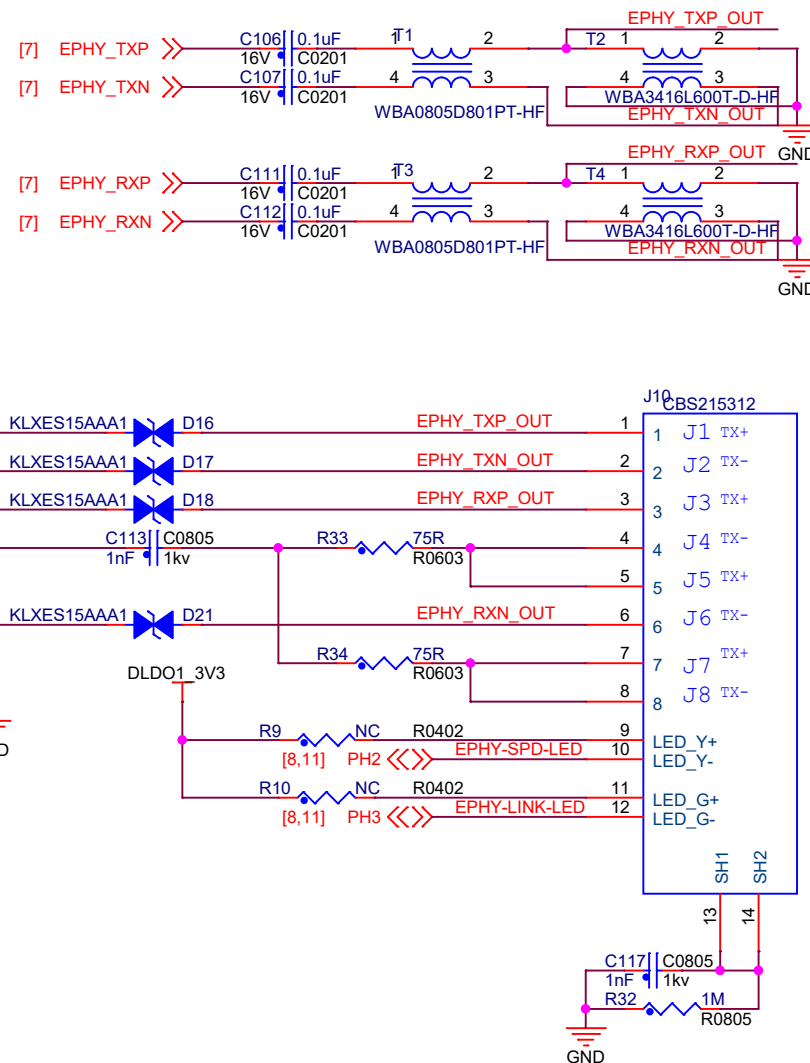


东莞野火电子技术有限公司 https://yehuosm.tmall.com		
Title		
鲁班猫A0(LubanCat A0)H618		
Size A4	Document Number HDMI	Rev V0.1
Date:	Thursday, February 13, 2025	Sheet 10 of 14

排针引出



网口



东莞野火电子技术有限公司
https://yehuosm.tmall.com

Title		
鲁班猫A0(LubanCat A0)H618		
Size A4	Document Number 双排针/网口	Rev V0.1
Date: Thursday, February 13, 2025	Sheet 11 of 14	