

鲁班猫3 BTB底板 (LubanCat 3IOB) RK3576_原理图_v0.1

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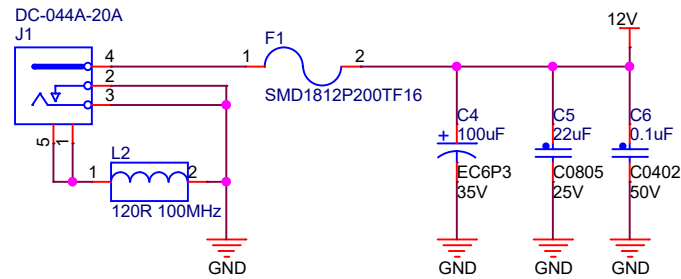
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历史版本

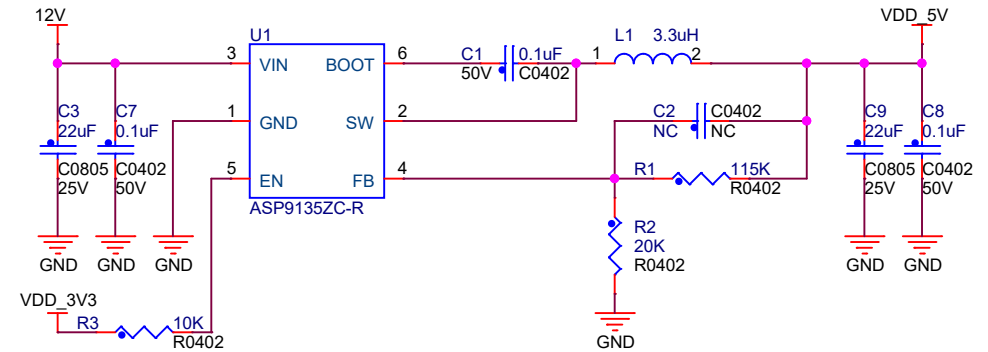
版本号	日期	设计	描述
V0.1	2025-08-17	ZTC	初始版本

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Title 鲁班猫3 BTB底板(LubanCat 3IOB)RK3576		
Size A4	Document Number 历史版本	Rev V0.1
Date: Friday, August 22, 2025	Sheet 2 of 15	

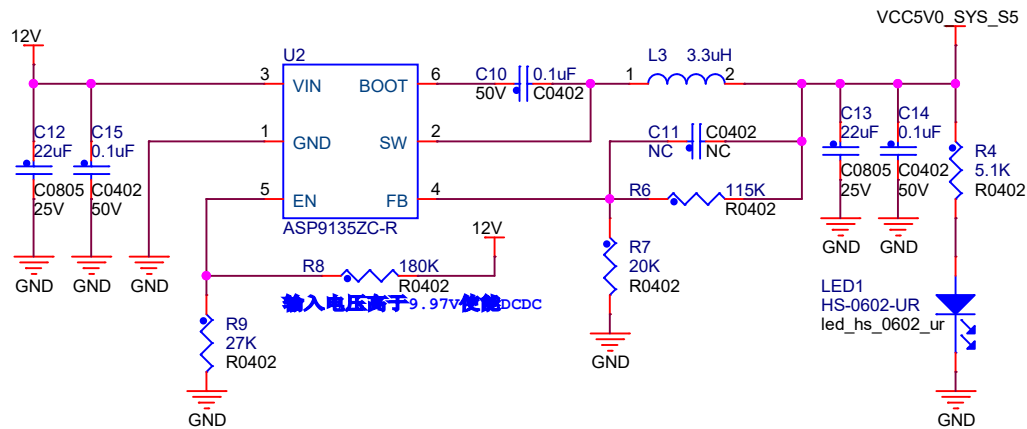
DC IN : 12V



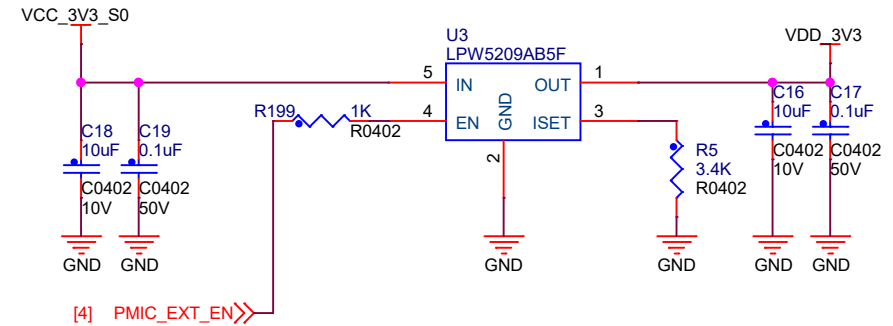
12V转5V： 底板电源



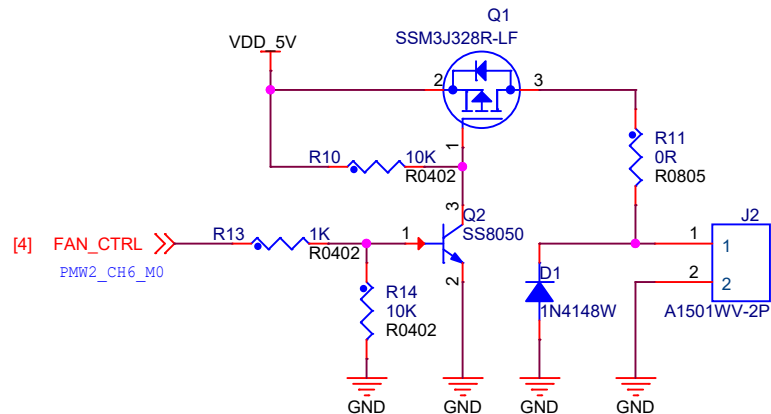
12V转5V：核心板电源



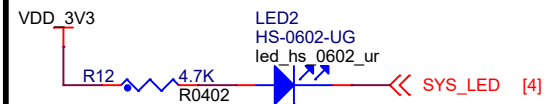
底板电源3v3



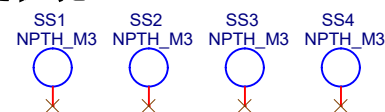
FAN



LED



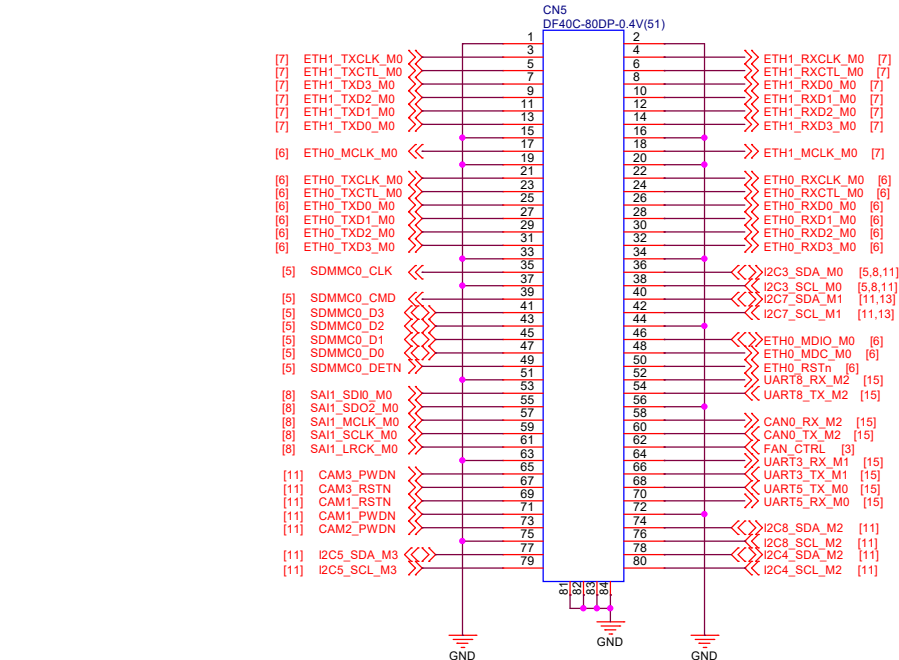
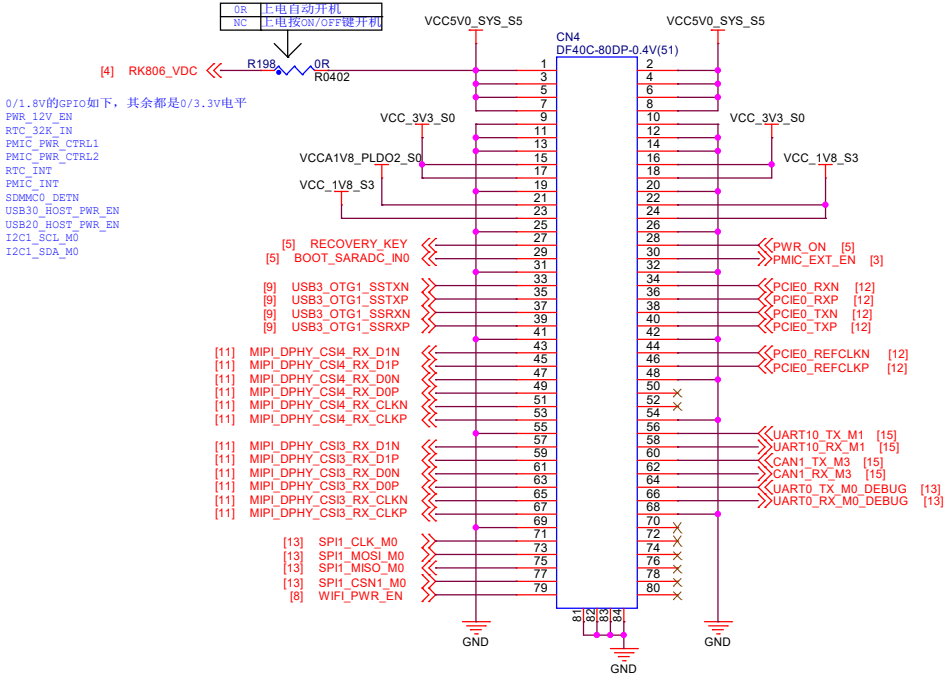
定位孔



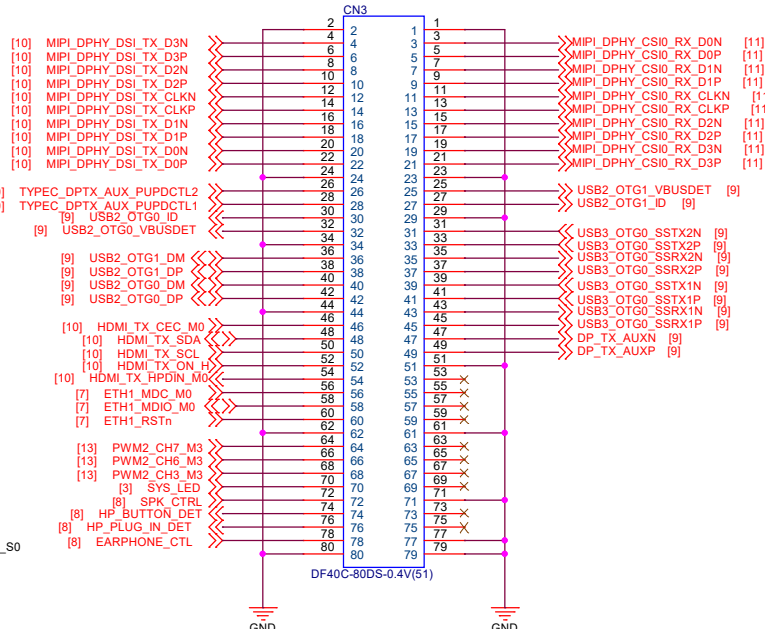
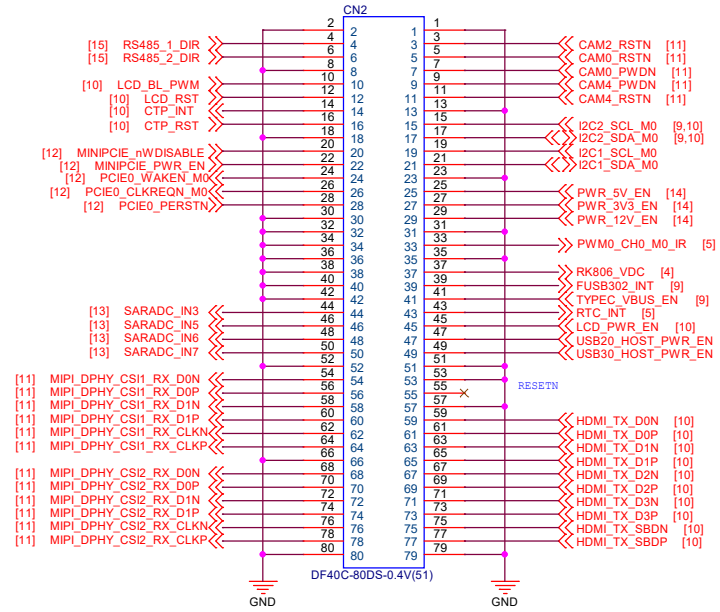
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鲁班猫3 BTB底板(LubanCat 3IOB)RK3576			
Size A4	Document Number 电源输入/FAN/LED	Rev V0.1	
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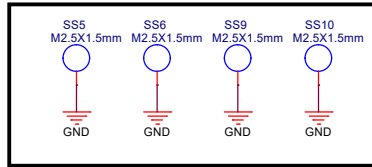
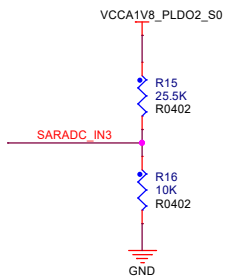
BTB座子



公座

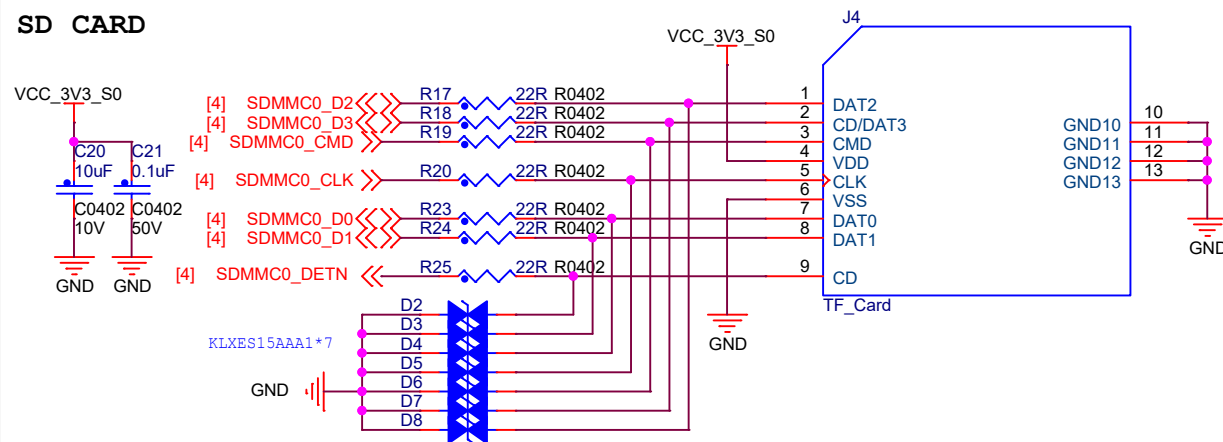


母座

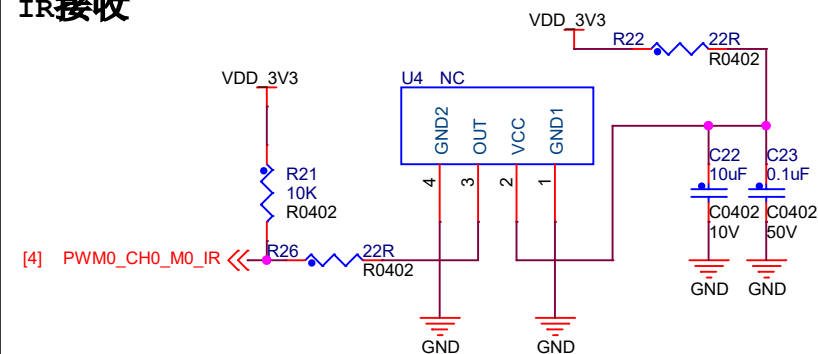


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Title 鲁班猫3 BTB底板(LubanCat 3IOB)RK3576			
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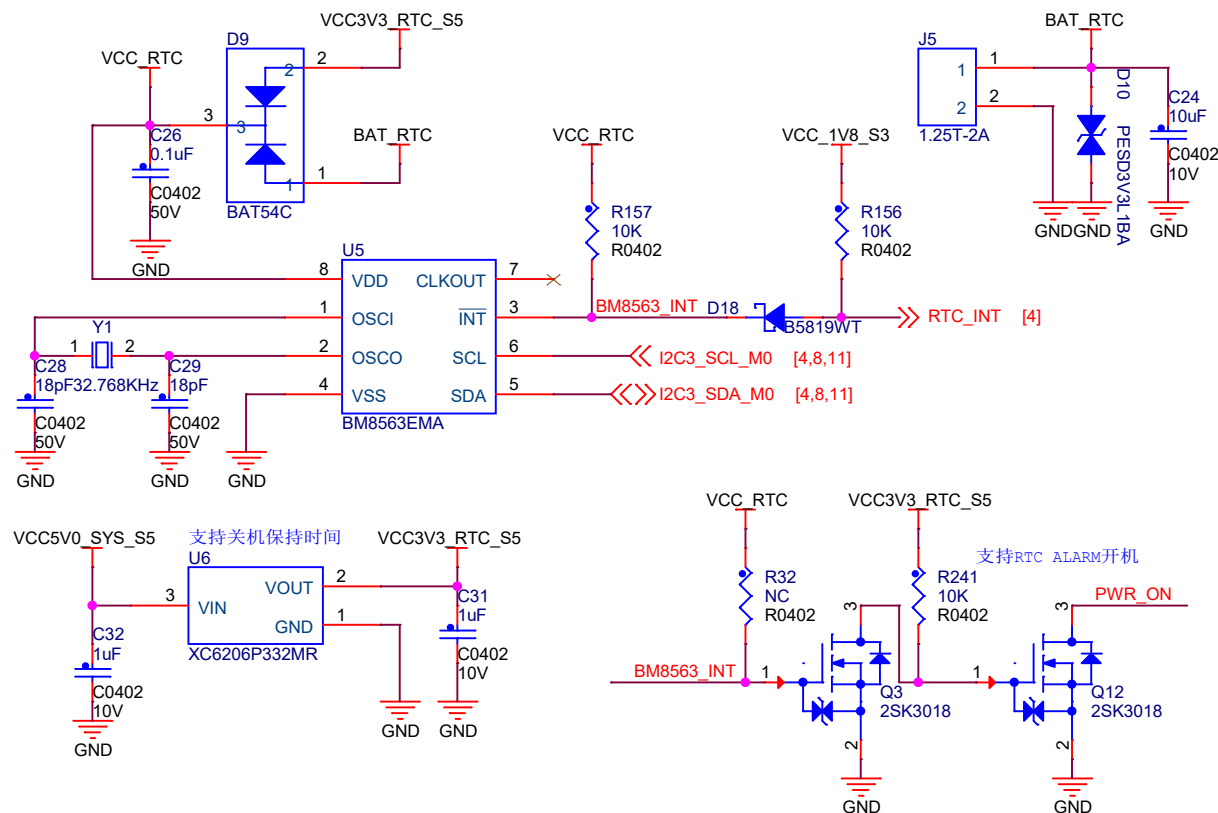
SD CARD



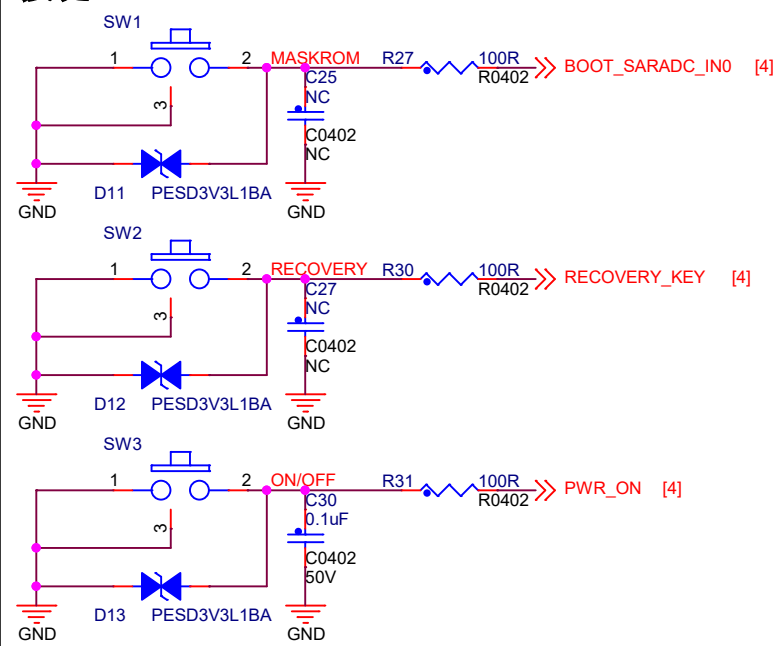
IR接收



RTC电源插座, 支持断电保存时间



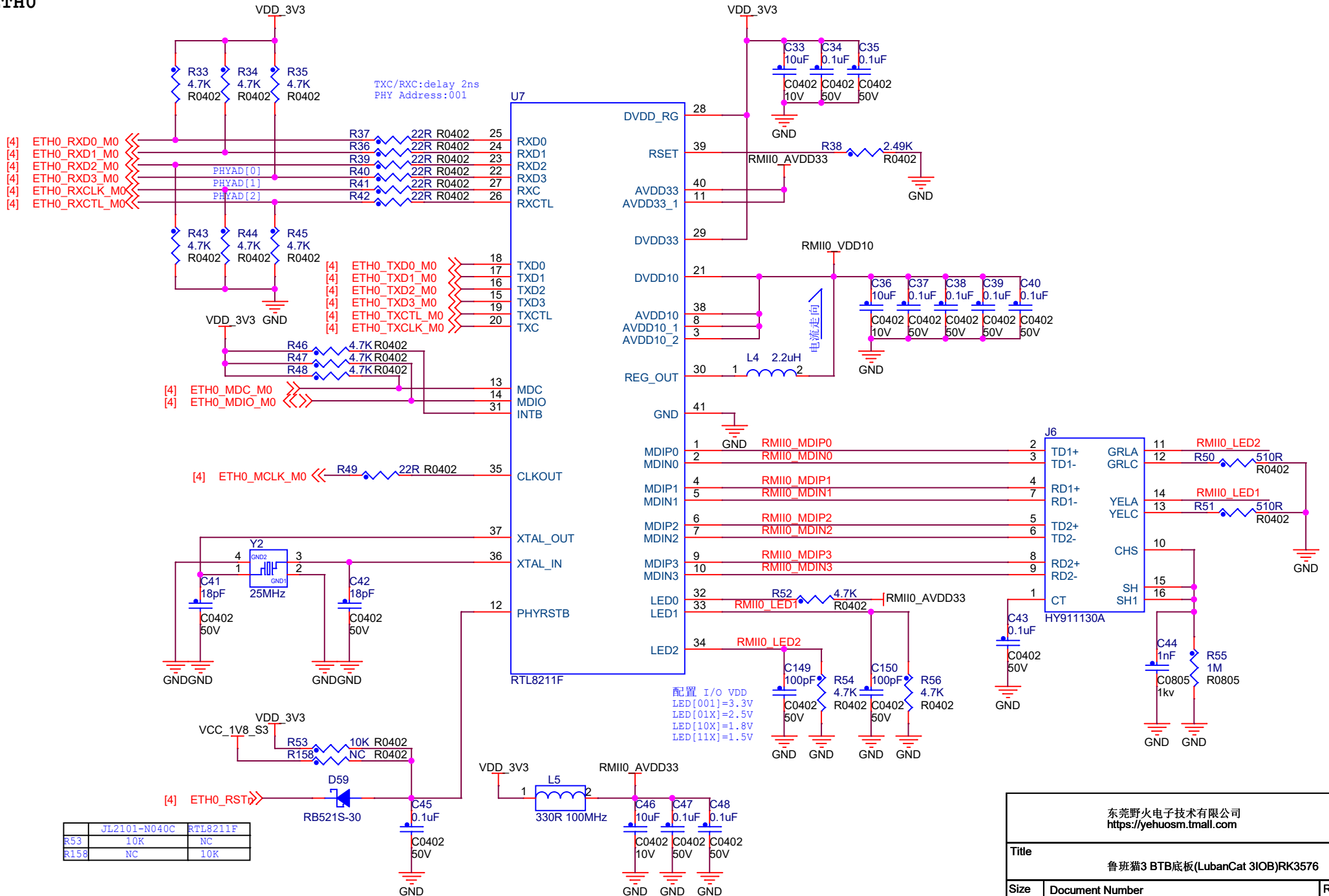
按键



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Title		
鲁班猫3 BTB底板(LubanCat 3IOB)RK3576		
Size A4	Document Number SD Card/RTC/KEY/IR	Rev V0.1
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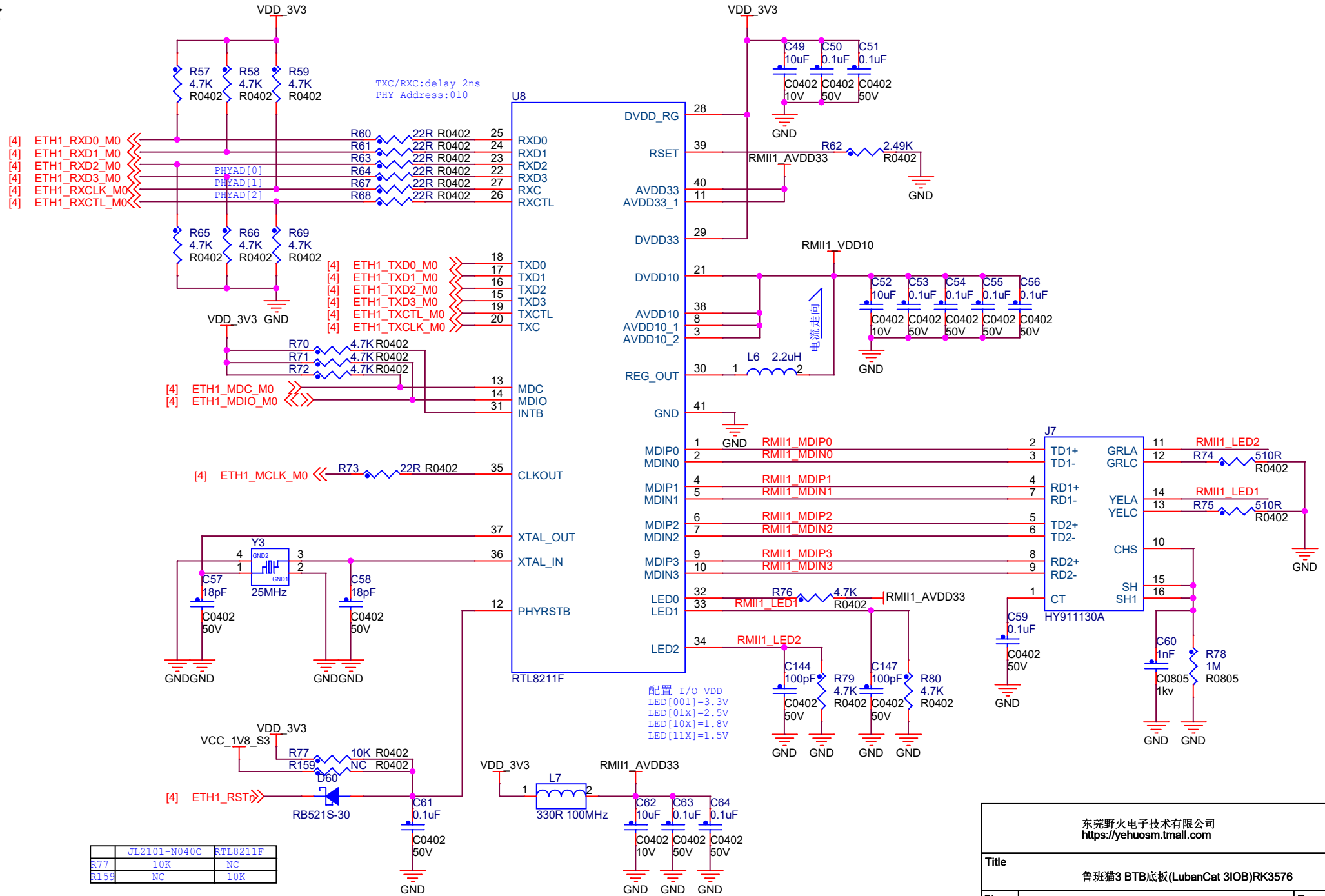
ETH0



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KEY



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Title

鲁班猫3 BTB底板(LubanCat 3IOB)RK3576

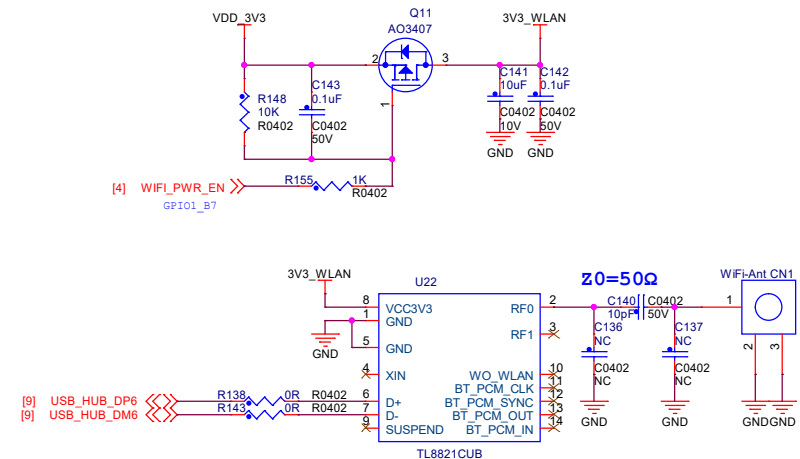
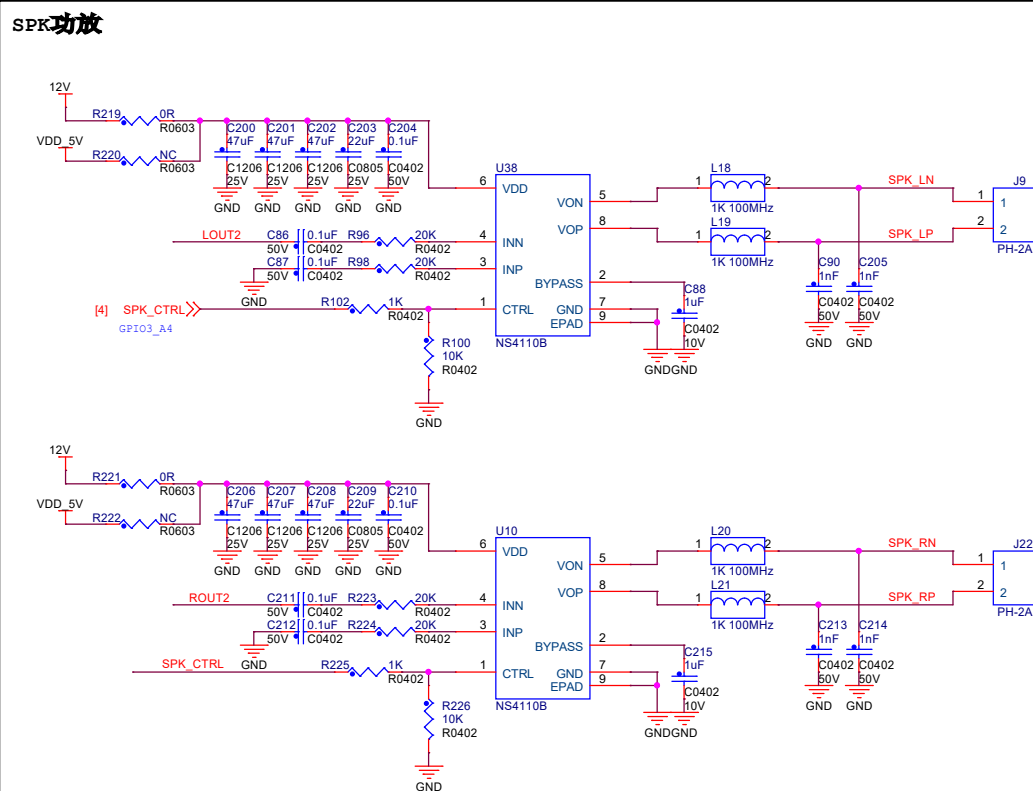
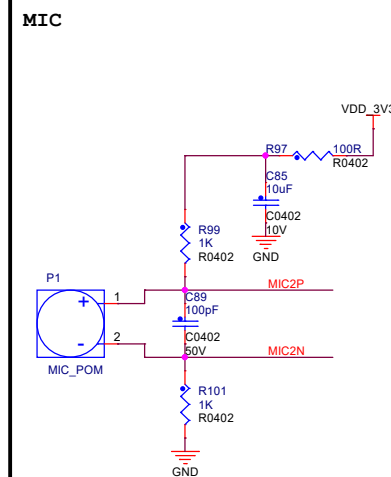
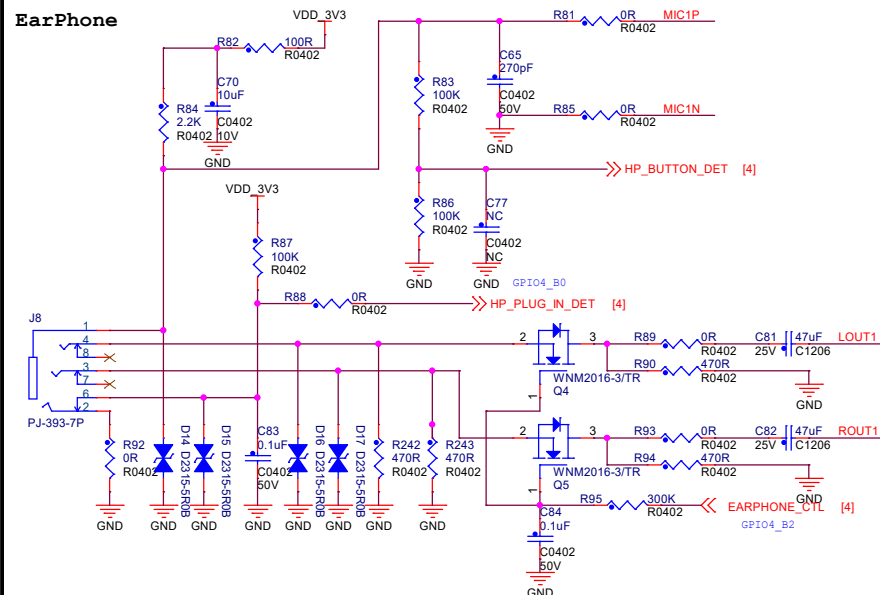
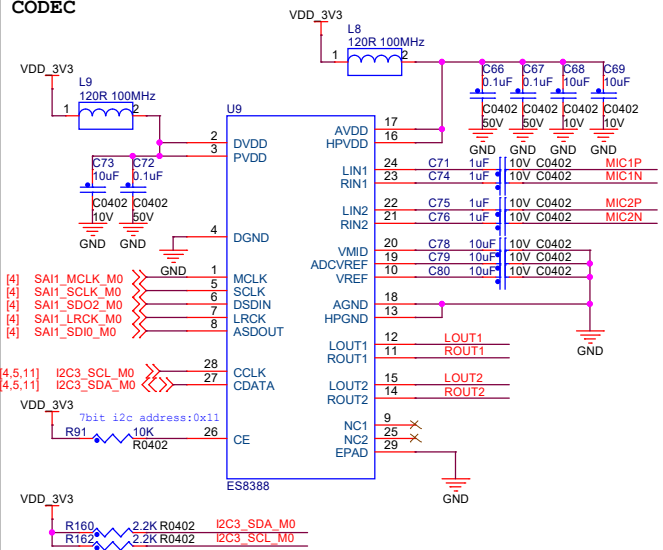
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Document Number
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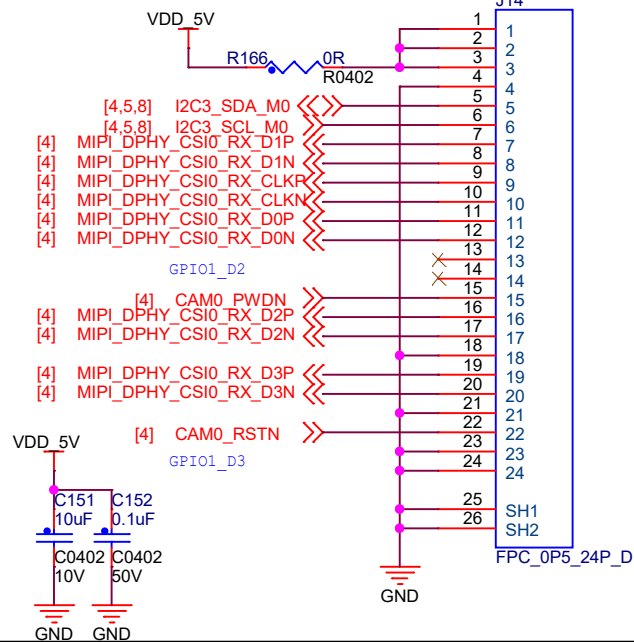
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Date: Saturday, June 27, 2026

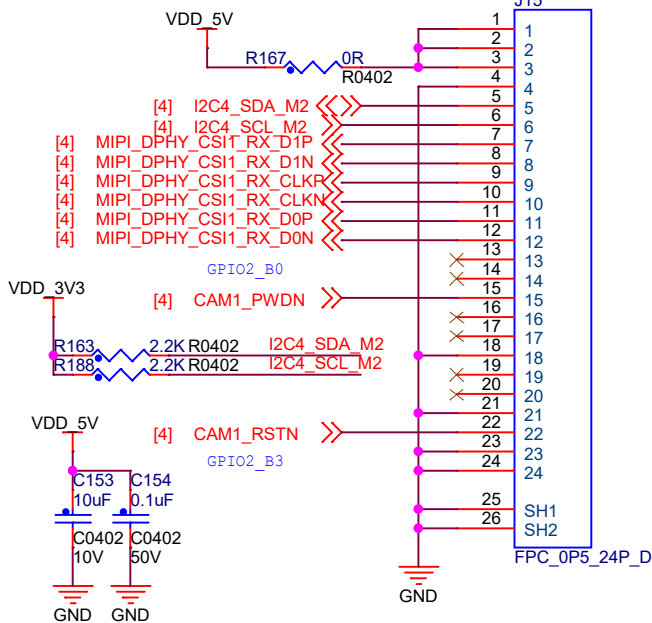
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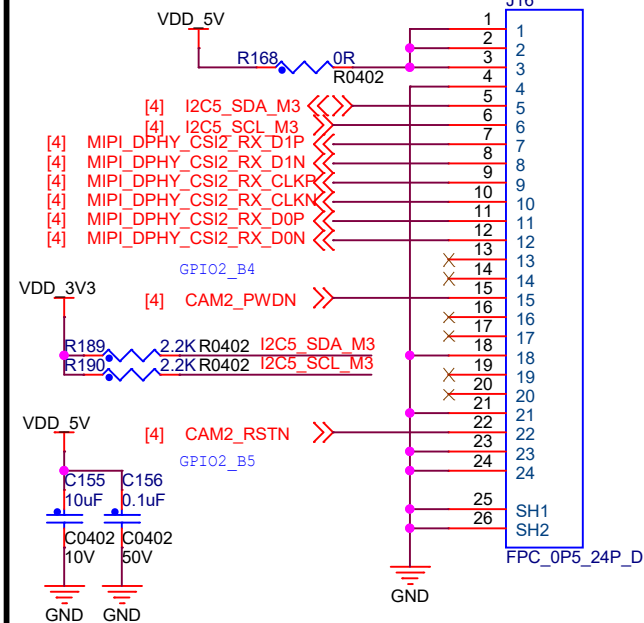
MIPI CSI0 PORT



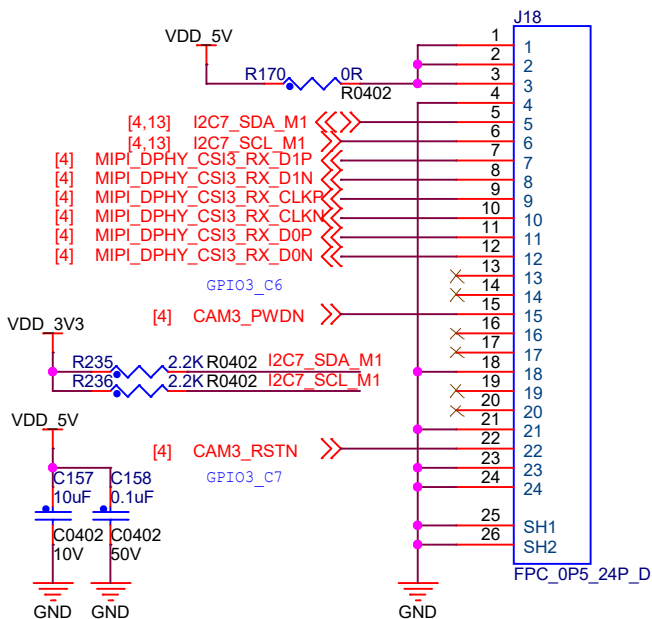
MIPI CSI1 PORT



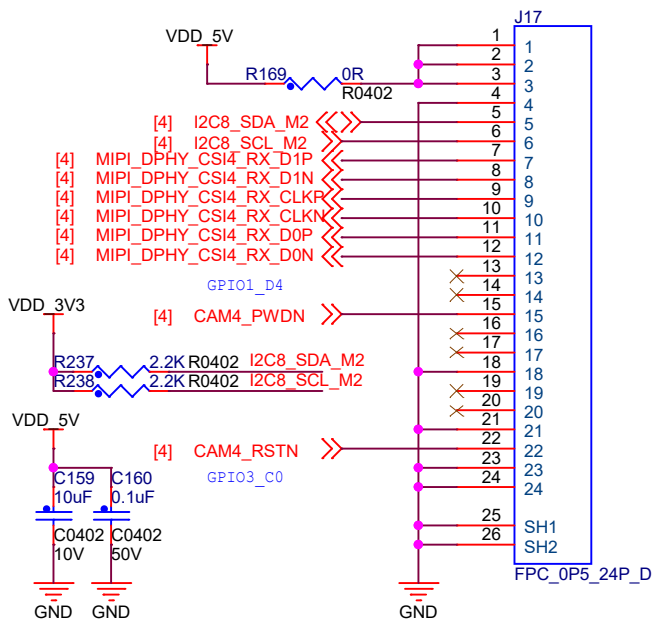
MIPI CSI2 PORT



MIPI CSI3 PORT



MIPI CSI4 PORT



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Title

鲁班猫3 BTB底板(LubanCat 3IOB)RK3576

Size
A4

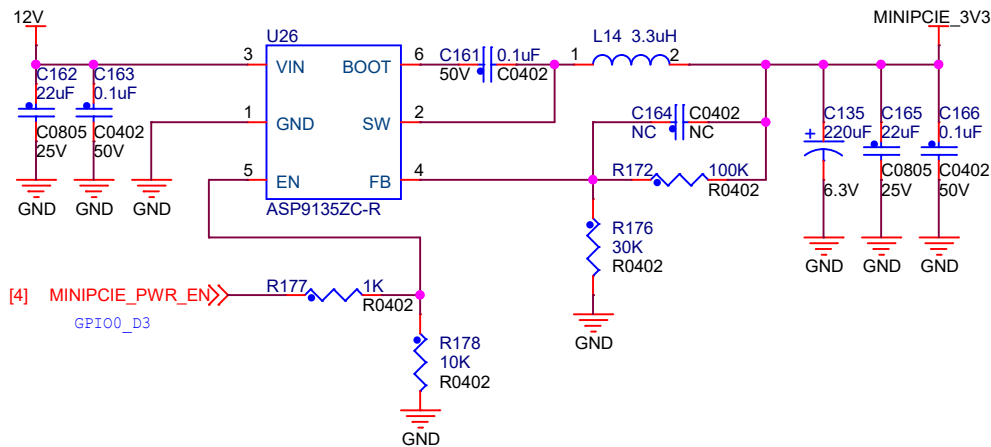
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MIPI CSI PORT

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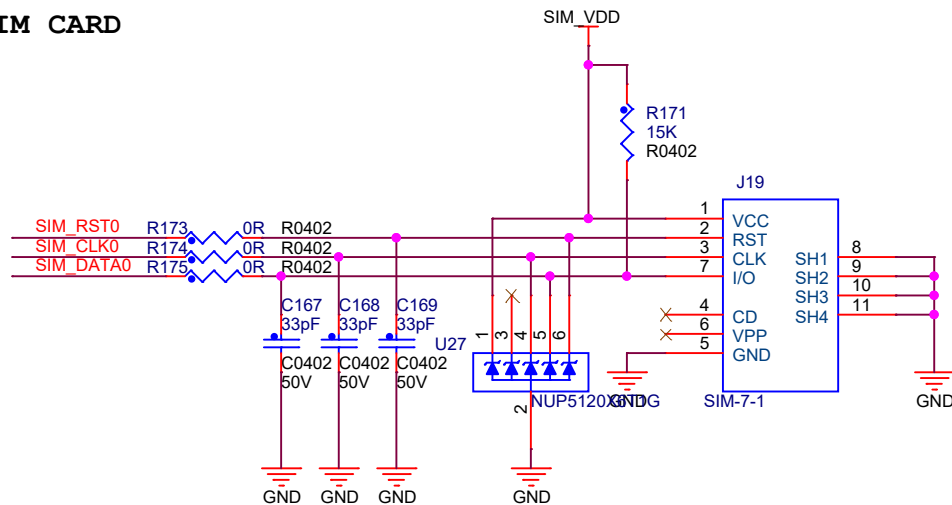
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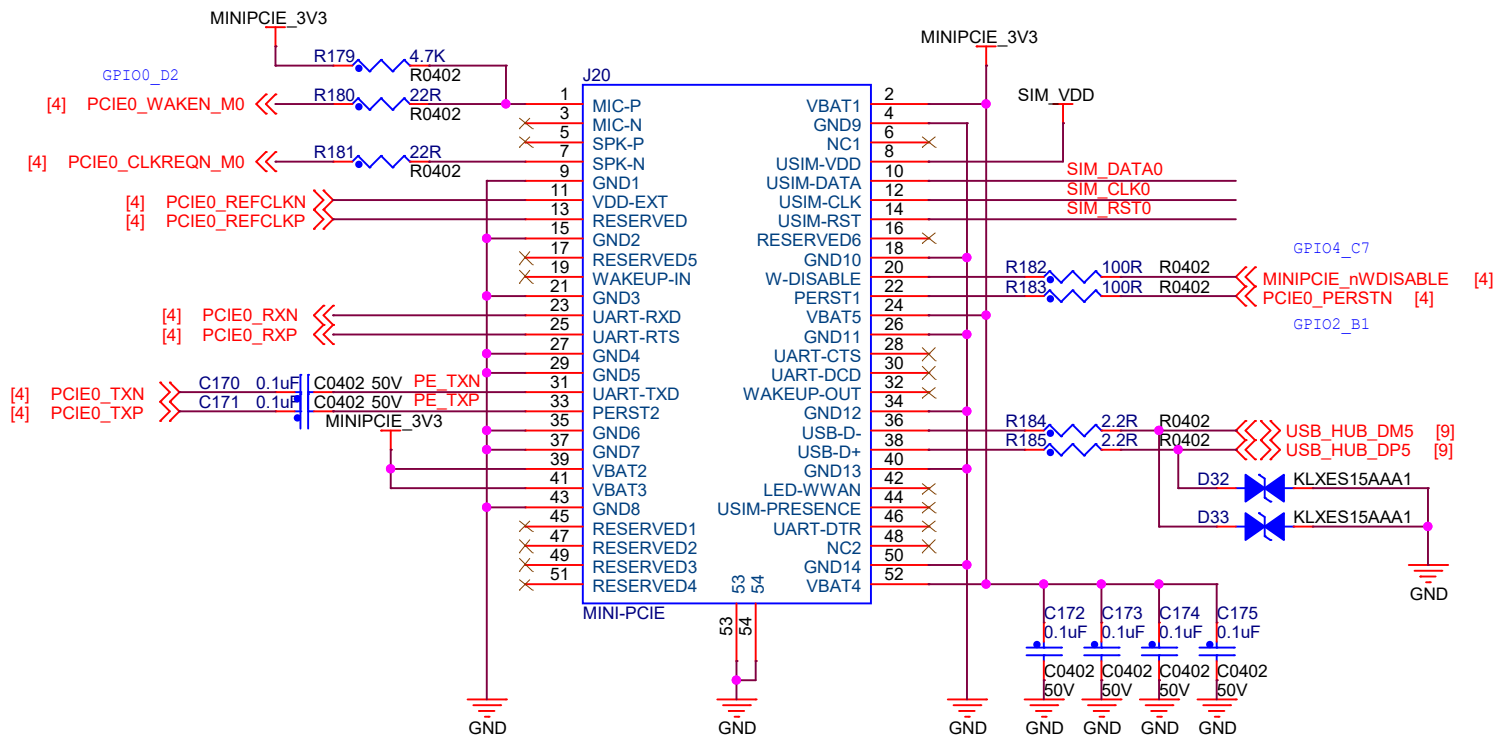
MINI PCIE PWR



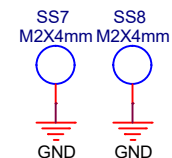
SIM CARD



MINI PCIE



贴片螺母



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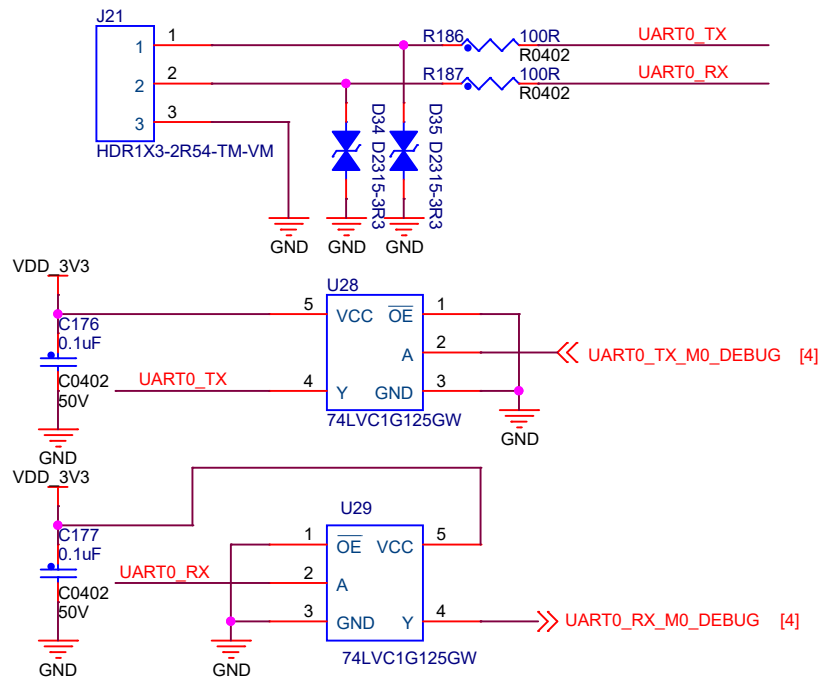
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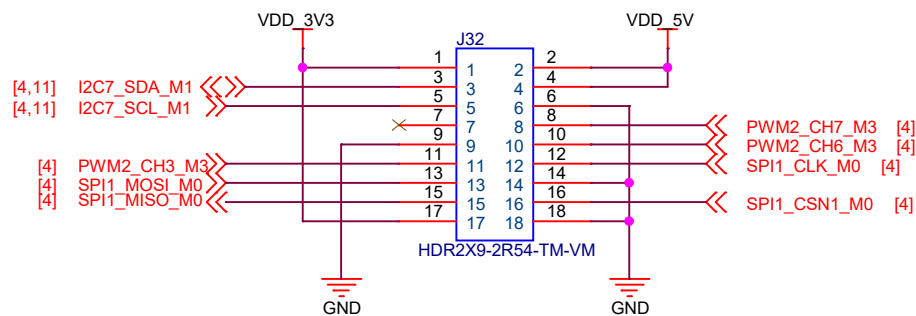
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Debug接口



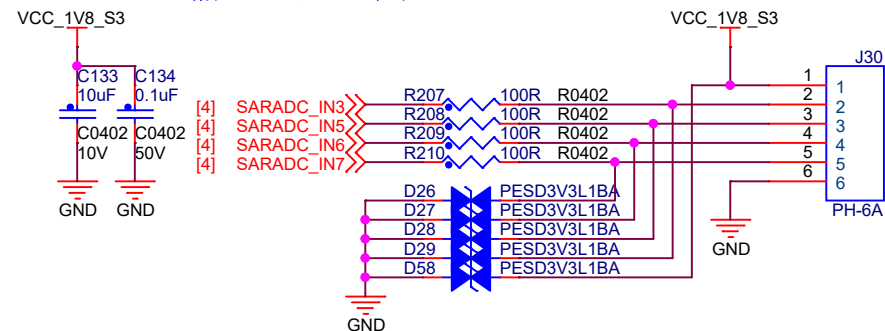
IO 引出



注: 1.GPIO0_C1、GPIO0_C2、GPIO0_C3、
GPIO0_C5、GPIO0_C6支持唤醒
2.所有引出的GPIO只兼容3.3V

SARADC

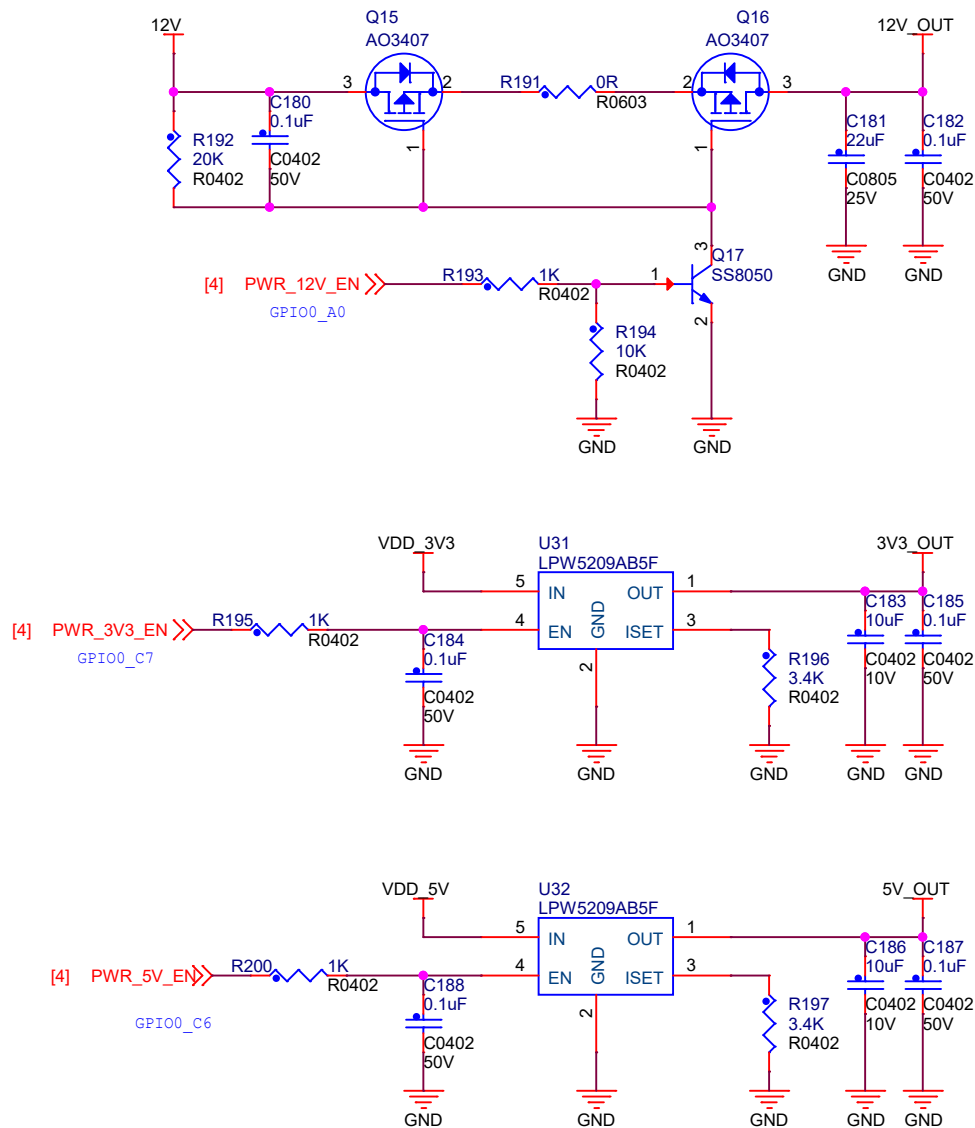
注: SARADC输入电压范围: 0~1.8V



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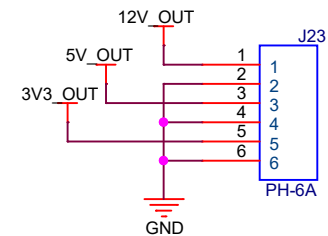
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鲁班猫3 BTB底板(LubanCat 3IOB)RK3576		
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Power OutPut SW



Power Output

OCP: 3.3V 2A
OCP: 5V 2A



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鲁班猫3 BTB底板(LubanCat 3IOB)RK3576

Size
A4

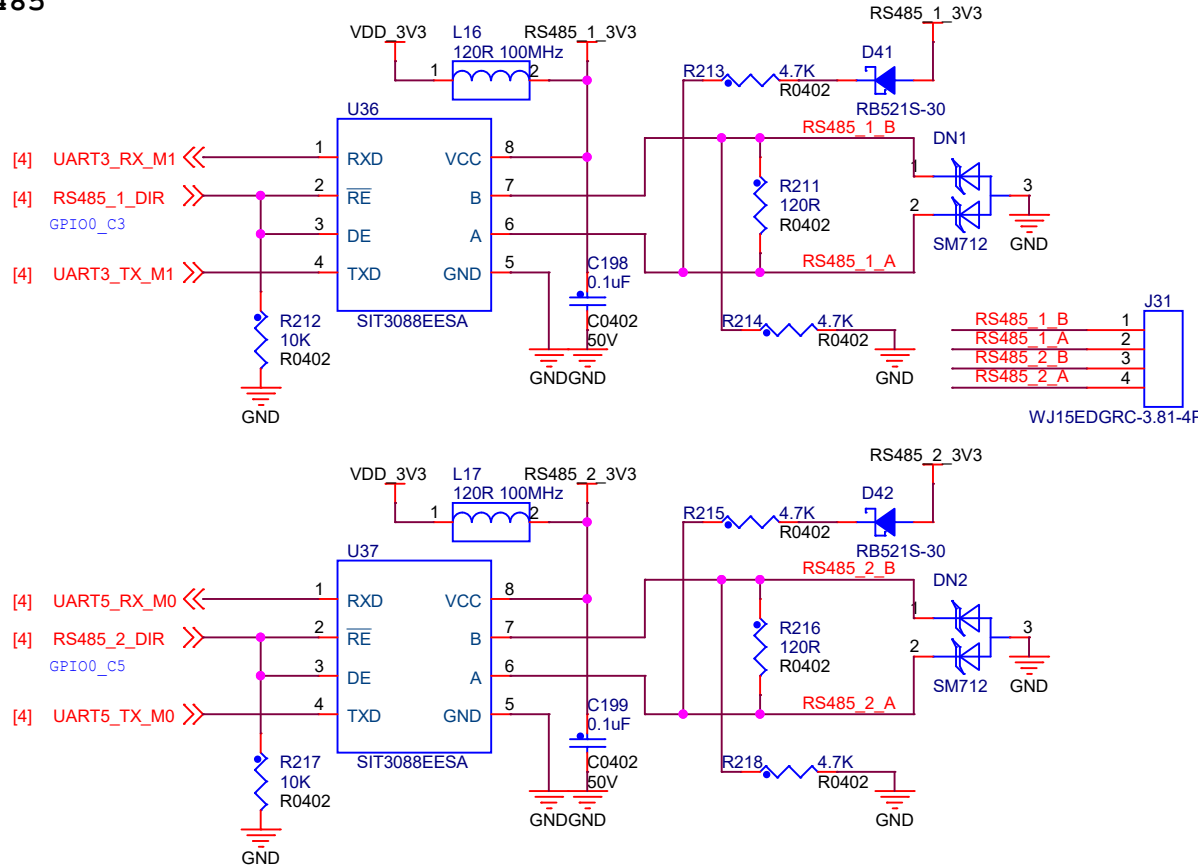
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Rev
V0.1

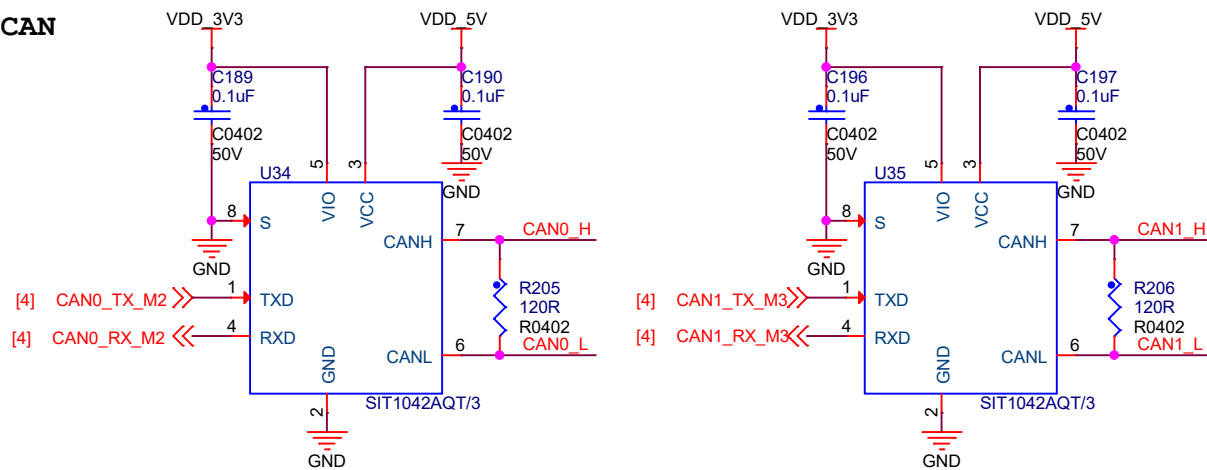
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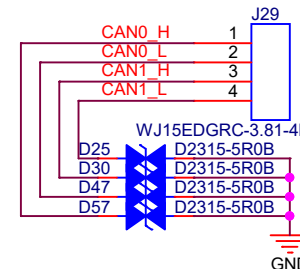
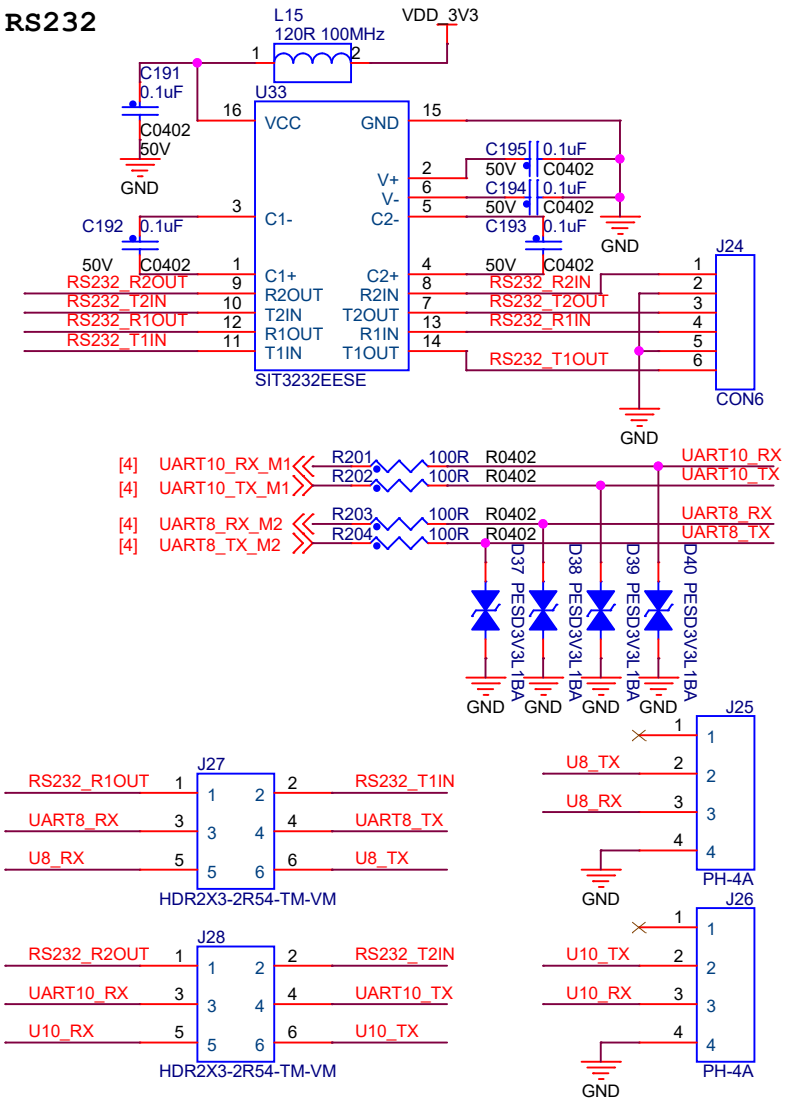
RS485



CAN



RS232



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鲁班猫3 BTB底板(LubanCat 3IOB)RK3576		
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