

REVISION HISTORY

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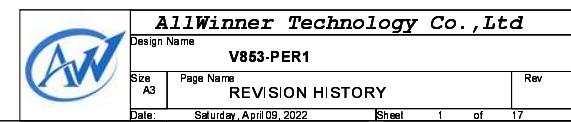
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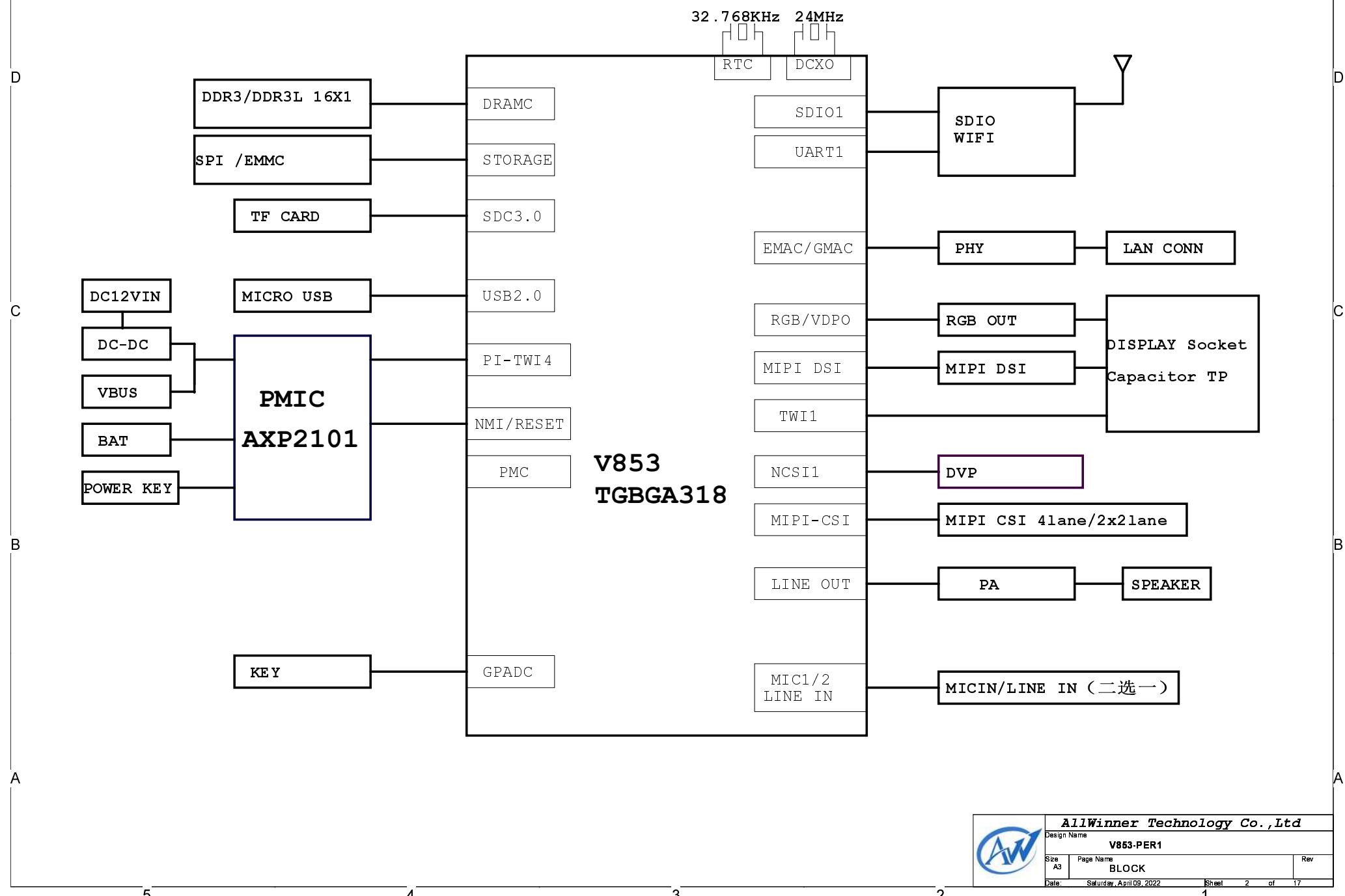
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Revision	Description	Date	Drawn	Checked
Ver 0.1	Initial Version	2021-05-28	ZQ	
Ver 0.2	更新CPU封装	2021-06-01	ZQ	
Ver 0.3	更新VDD-SYS 电容	2021-06-01	ZQ	
Ver 0.4	UART3 串口作为E907 串口使用	2021-06-17	ZQ	
Ver 0.5	DCDC3&DCDC4 增加测试电阻和测试功耗电路 PMU_BLD01 增加功耗测试电阻 修改SOC symbol 增加DDR3 mapping DRAM 部分默认为内部SVREF, 外部分压电阻NC 删除WIFI 板载天线 DCXO-RFCLK增加测试点 LCD串接电阻改为33R PMU_I2C 插针改为测试点 增加PF6 测试针, 测试PLL 增加IMPI-DSI-IO供电	2021-06-21	ZQ	
Ver 0.6	DRAM 部分默认使用外部240R 电阻&使用内部SVREF UM3 增加支持8线DTR Flash 去掉H1/H2 固定孔	2021-06-23	ZQ	
Ver 0.7	EPHY-VDD 电容改为1uF, 电容要靠近芯片管脚放置 SOC端增加VCC-RTC 测试电阻 增加VCC-EPHY供电 增加VCC33-PF供电 SD CARD 上拉电阻改为VCC33-PF, 上拉电阻NC	2021-06-25	ZQ	
Ver 0.8	PMU_I2C 上拉改为VCC-PI VCC-PI 默认用PMU_ALDO1-1.8V供电	2021-06-25	ZQ	
Ver 0.9	DRAM 增加测试点, 放置于背面过孔处; 增加ISOC 3.3V和1.8V功耗测试电路; 增加各路电流标记	2021-06-29	ZQ	
Ver 0.95	根据PI仿真结果更新DRAM&SYS 电容容值	2021-06-30	ZQ	
Ver 0.96	eMMC与SPI之间增加电阻 去掉PF口JTAG 增加SDC0-D0/CMD测试点, 靠近SOC放置	2021-07-02	ZQ	
Ver 0.97	去掉5V DCIN座子 修改音频功放电路, NS4890 单端和增加AW8010差分电路 LINE IN与MICP之间增加电阻靠近分叉点放置 Gsensor增加LGA封装兼容物料	2021-07-16	ZQ	
Ver 0.98	XR819S 只保留LDO模式	2021-07-20	ZQ	
Ver 1.0	CSI 控制信号默认上拉贴片 MIC 输入增加预留0R电阻for test sdc_d0 上拉改为VCC33-PF For TEST	2021-08-09	ZQ	



BLOCK

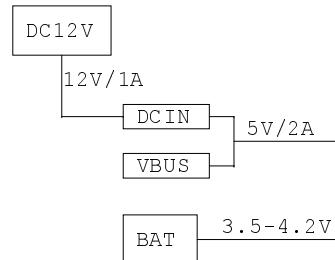


POWER TREE

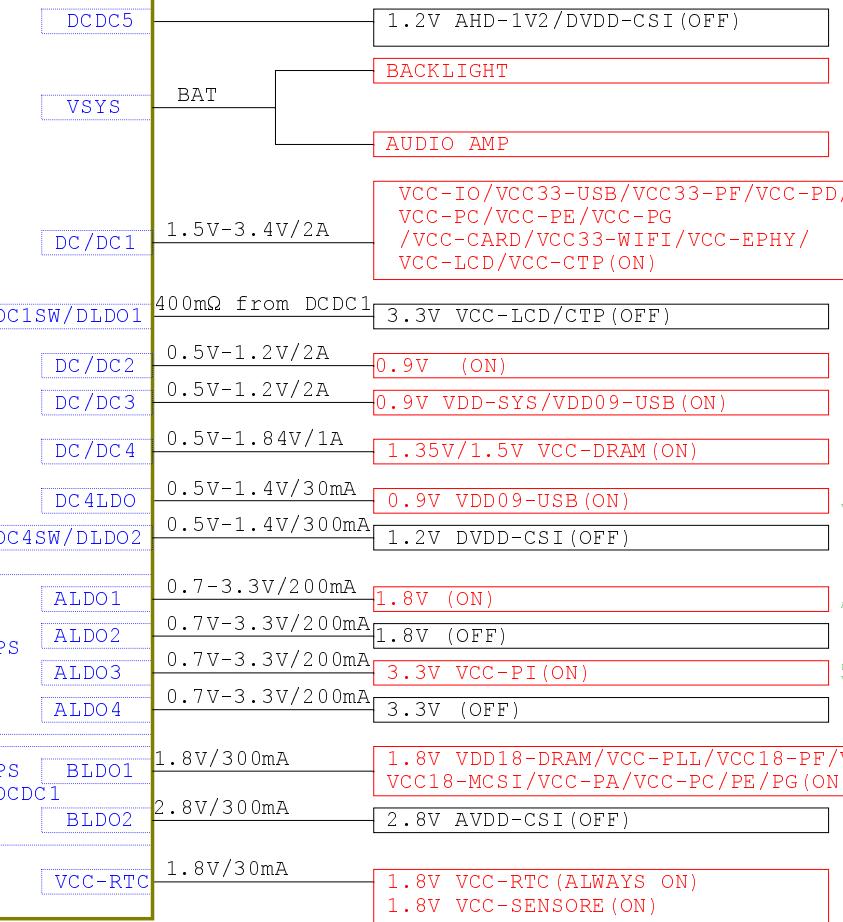
5 4 3 2 DEFAULT POWER ON
 DEFAULT POWER OFF

AXP2101

D



Battery Charger & Power Detect

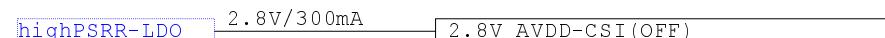


VCC-PC/VCC-PE/VCC-PG 开发板默认为3.3V
VCC-PA/PI开发板默认为1.8V

VDD09-USB for usb standby

AVCC 默认使用内部LDO输出

PI口供电外挂一个LDO转1.8V(开发板)
VCC33-USB for usb standby



C

D

B

C

A

B

A



AllWinner Technology Co., Ltd		
Design Name V853-PER1		
Size A3	Page Name POWER TREE	Rev
Date Saturday, April 09, 2022		
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GPIO ASSIGNMENT

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D

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C

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B

A

A

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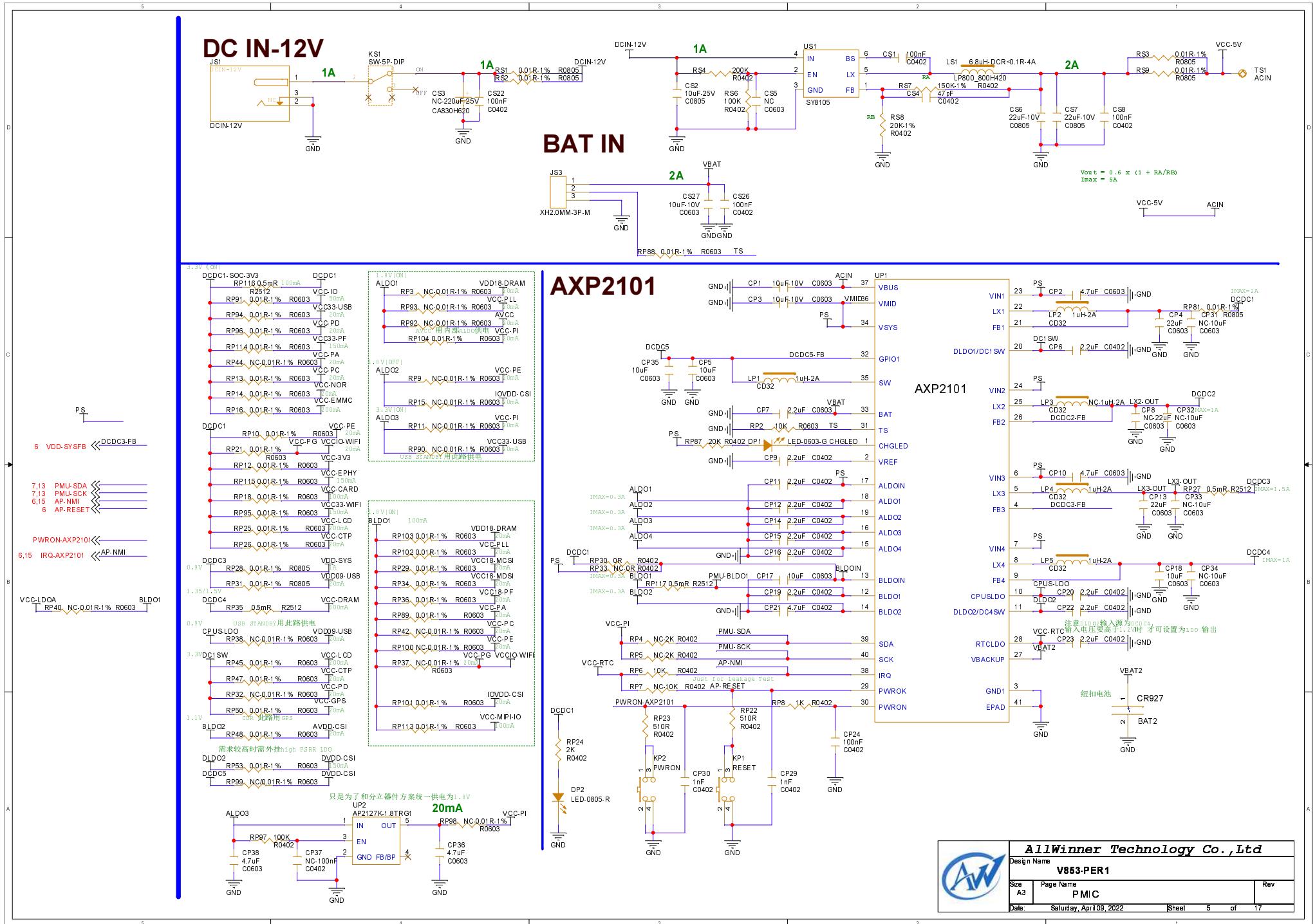
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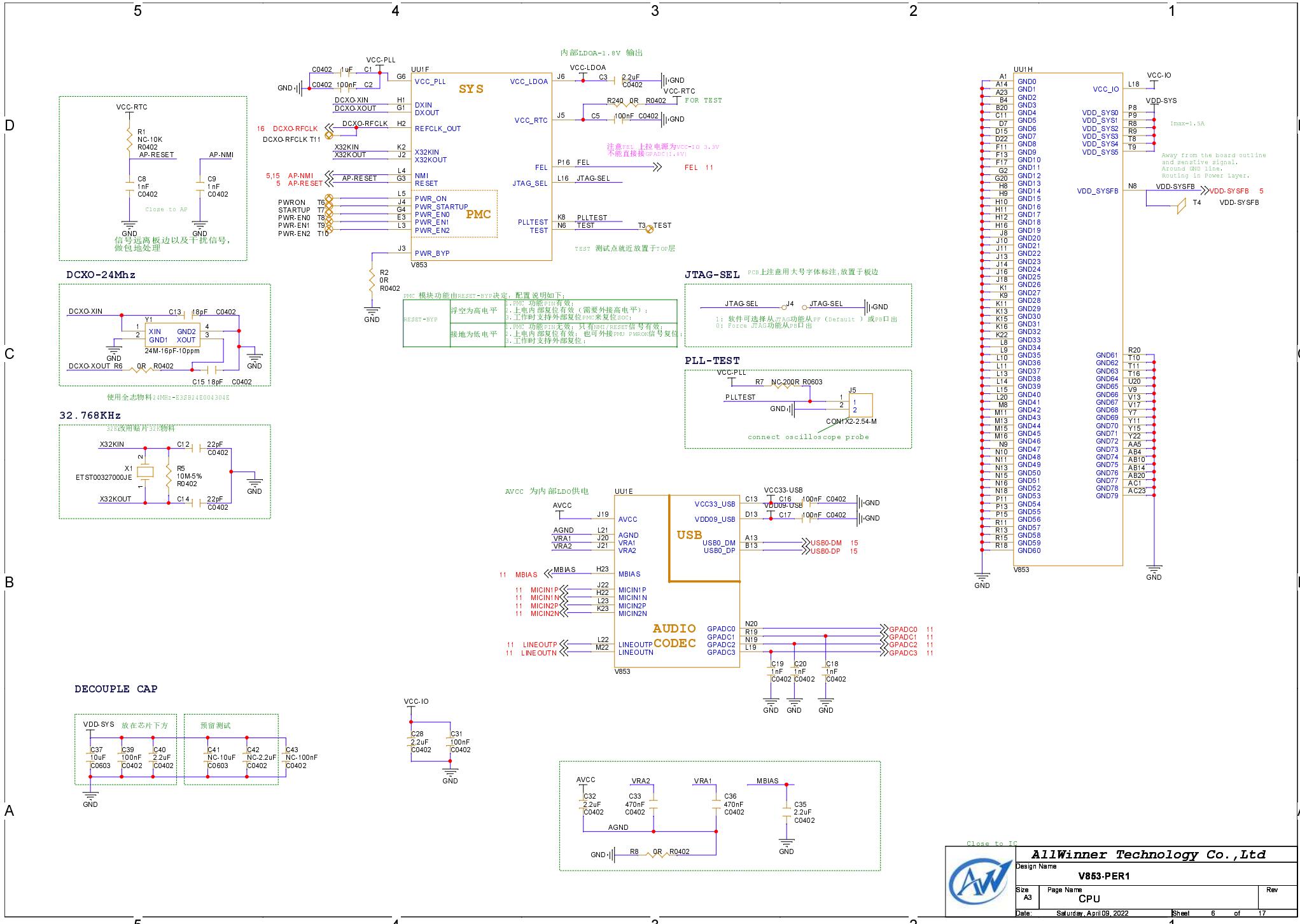
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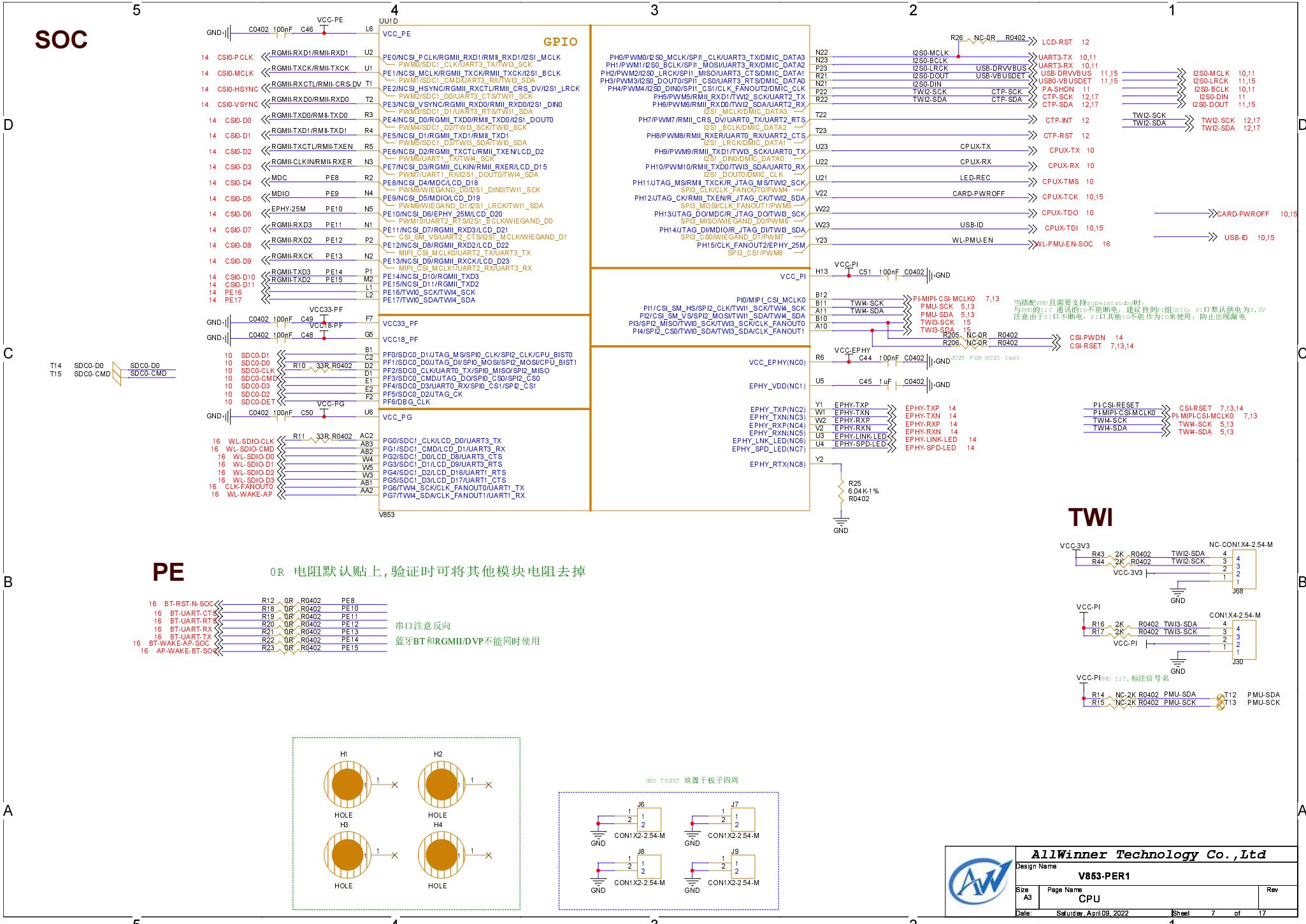
	AllWinner Technology Co., Ltd
Design Name	V853-PER1
Size	Page Name
A3	GPIO ASSIGNMENT

Date: Saturday, April 09, 2022

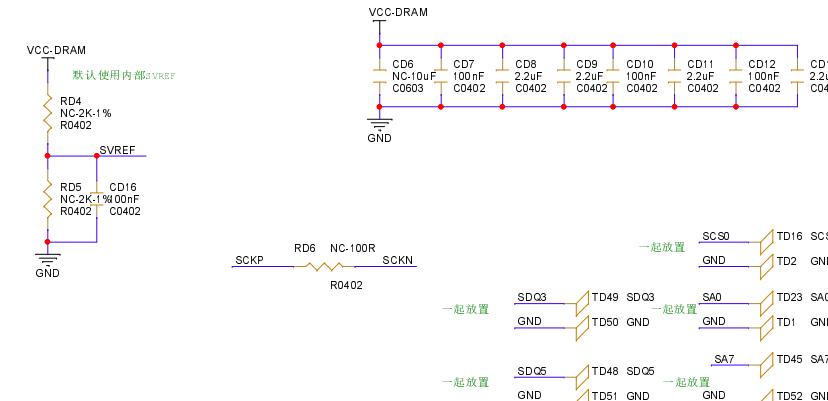
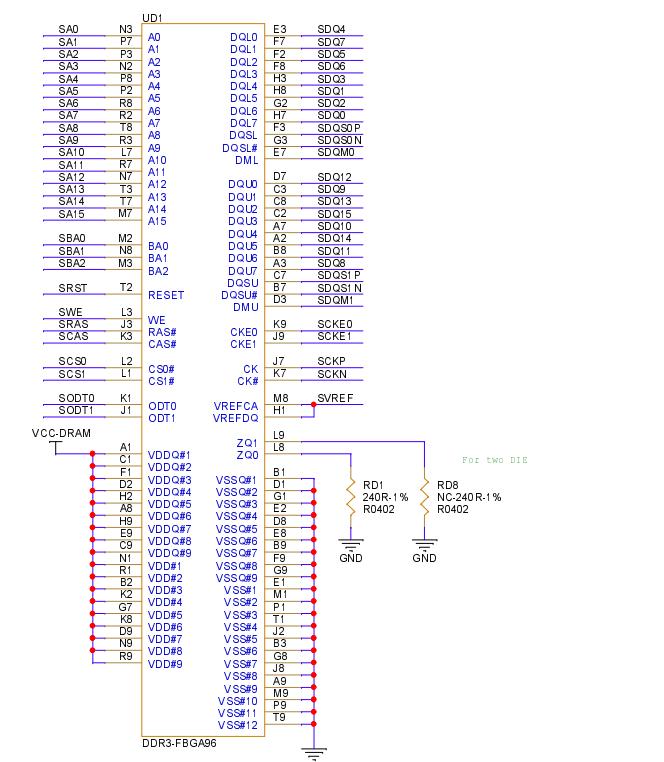
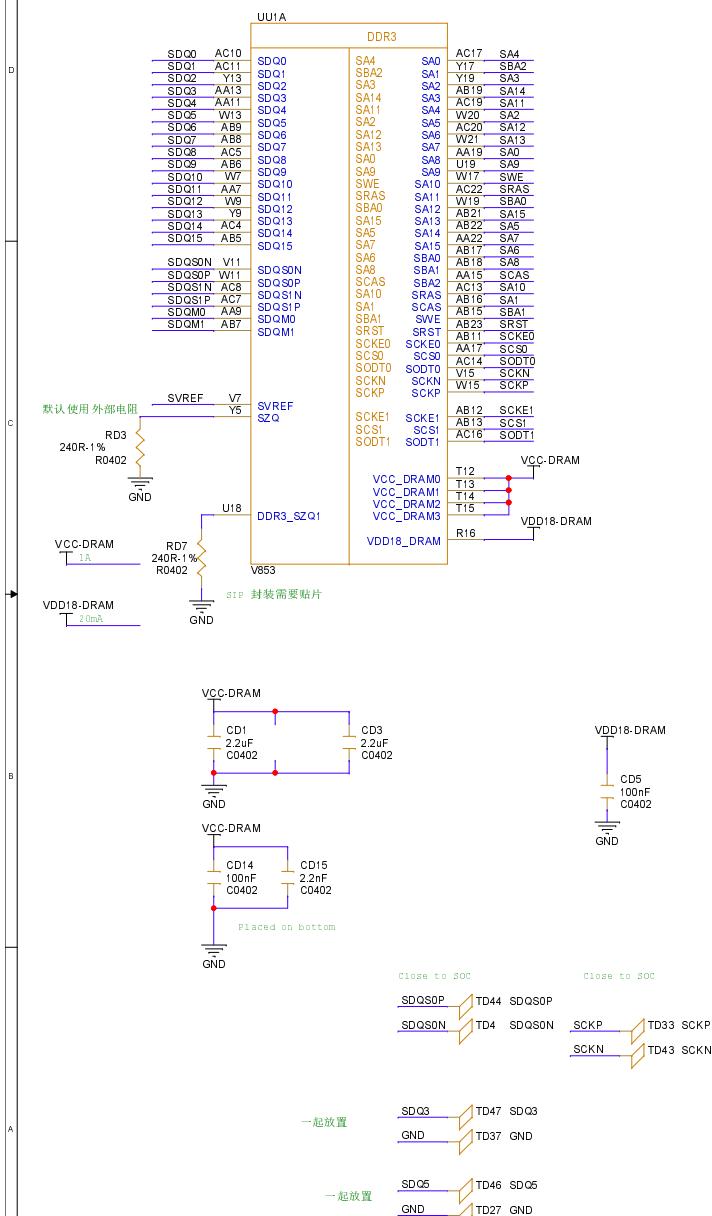
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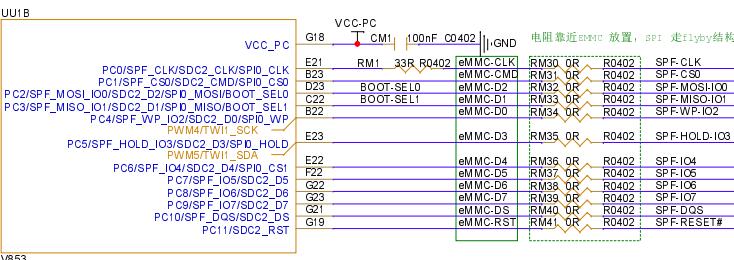


DDR3 16X1

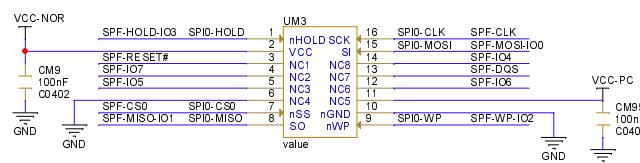
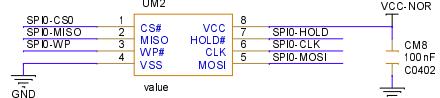
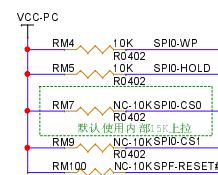


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 Size A3 Page Name DDR3_16X1 Rev
 Date: Saturday, April 09, 2022 Sheet 8 of 17

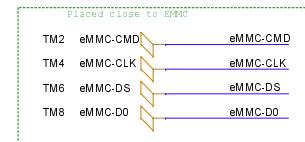
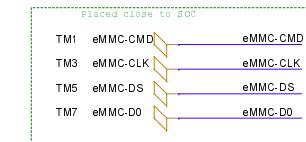
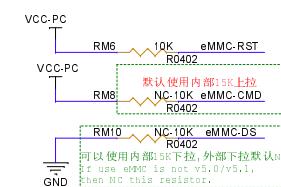
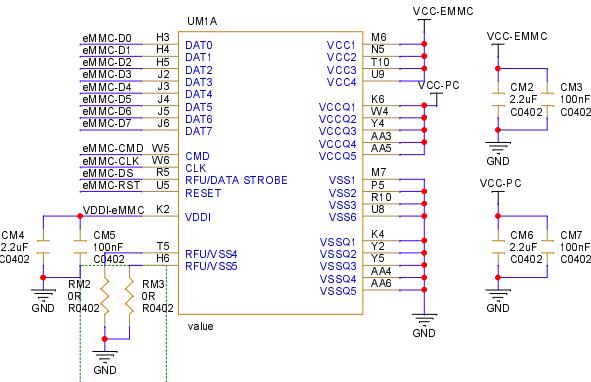
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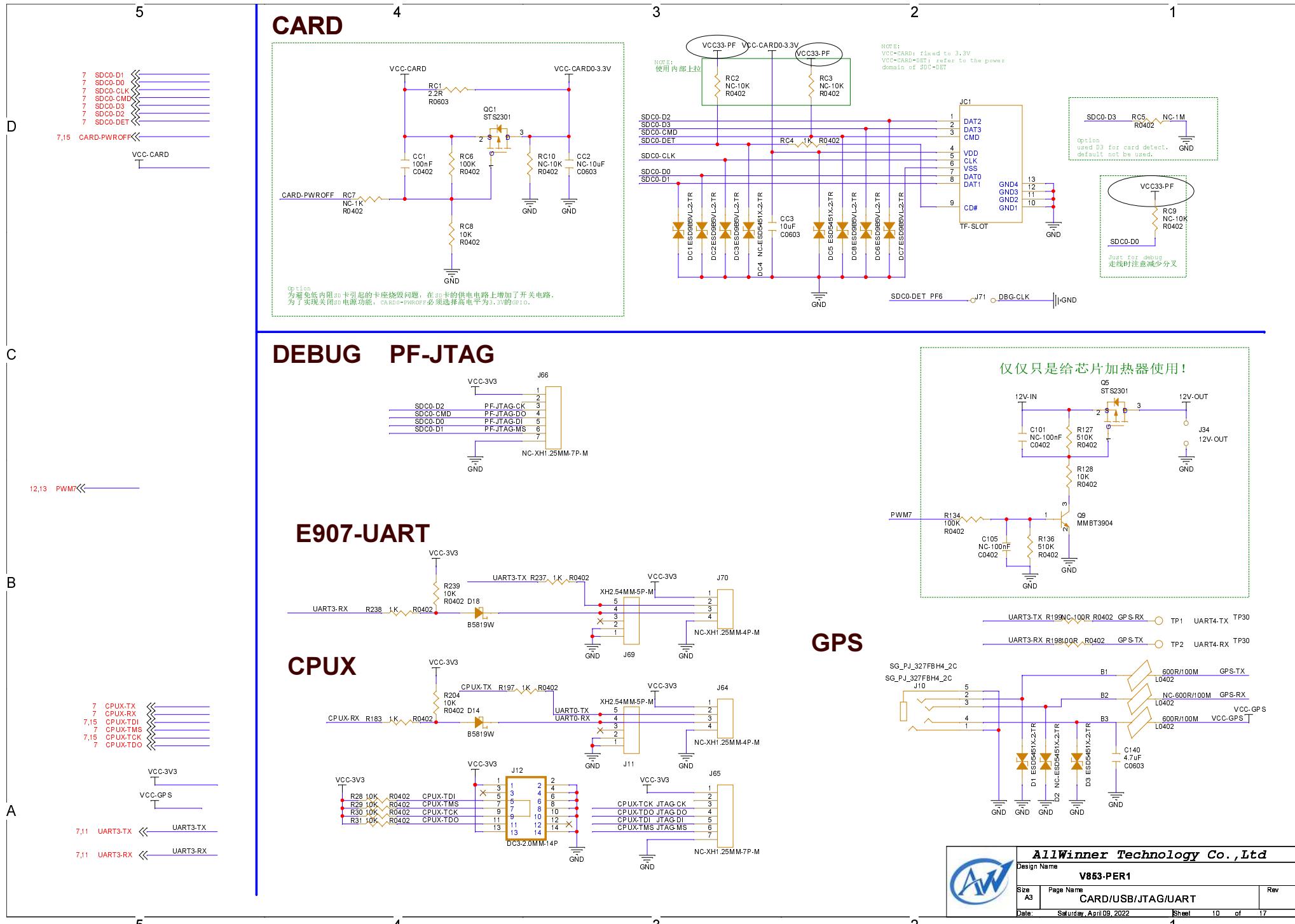


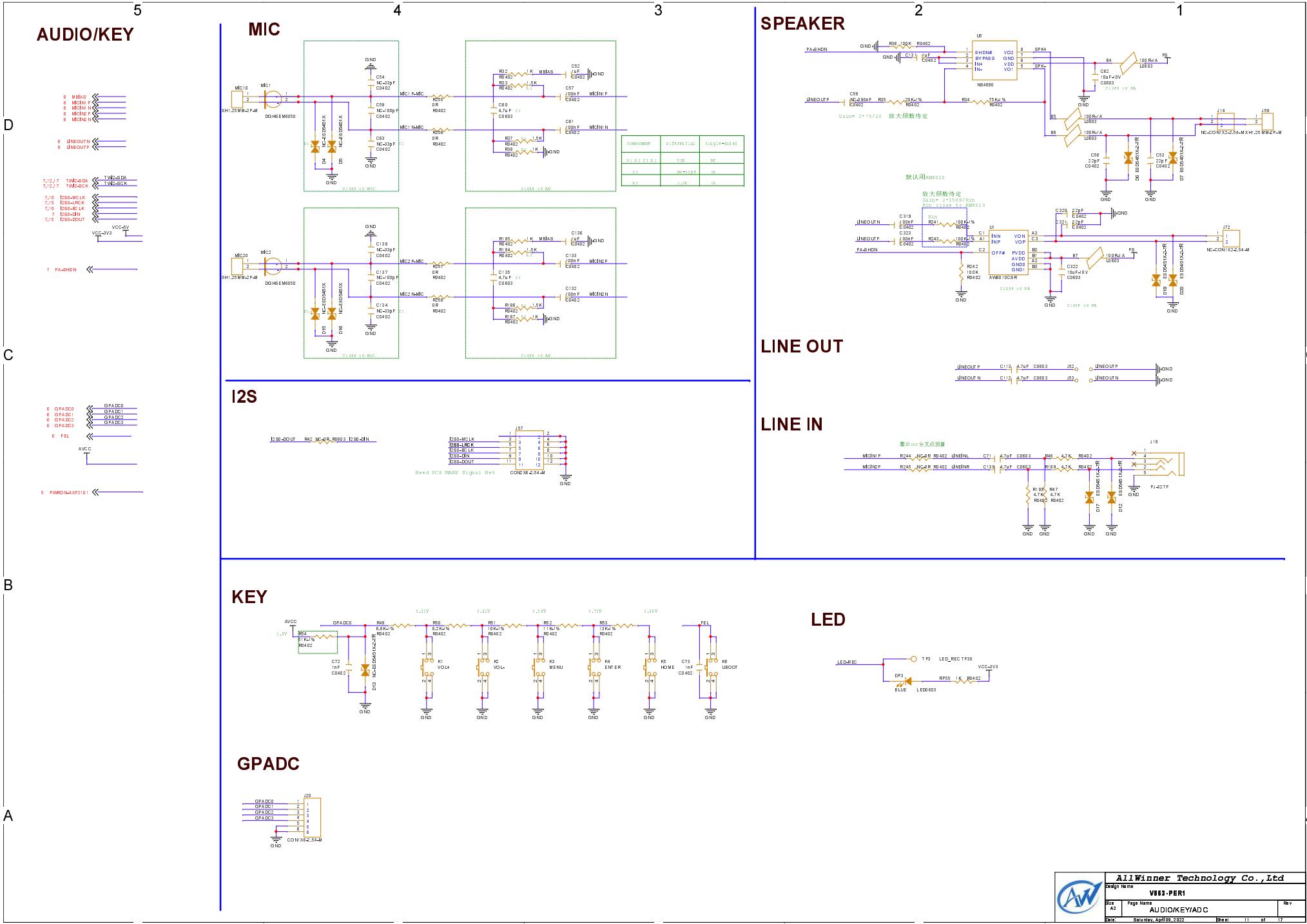
PC-SPI0

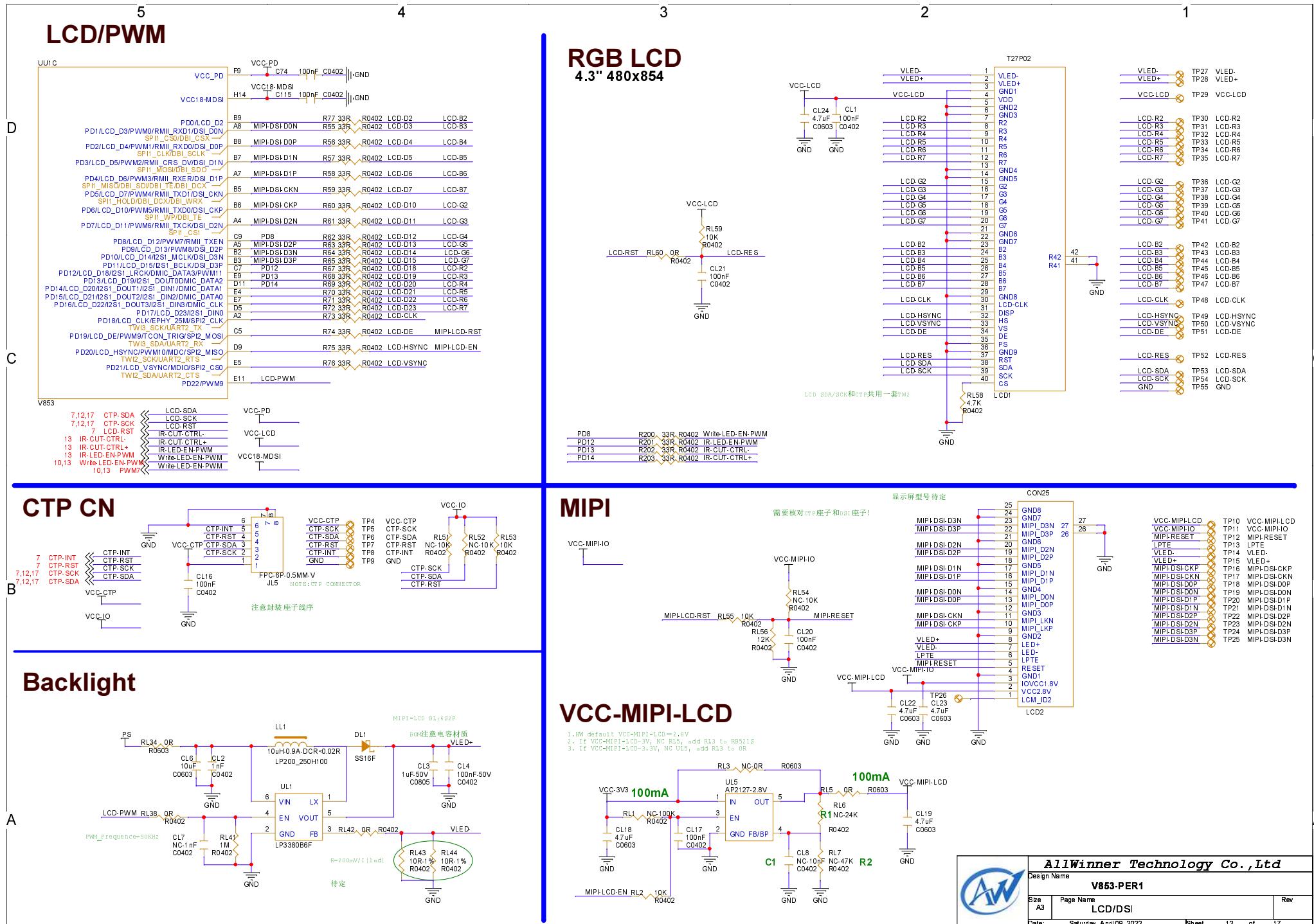


eMMC

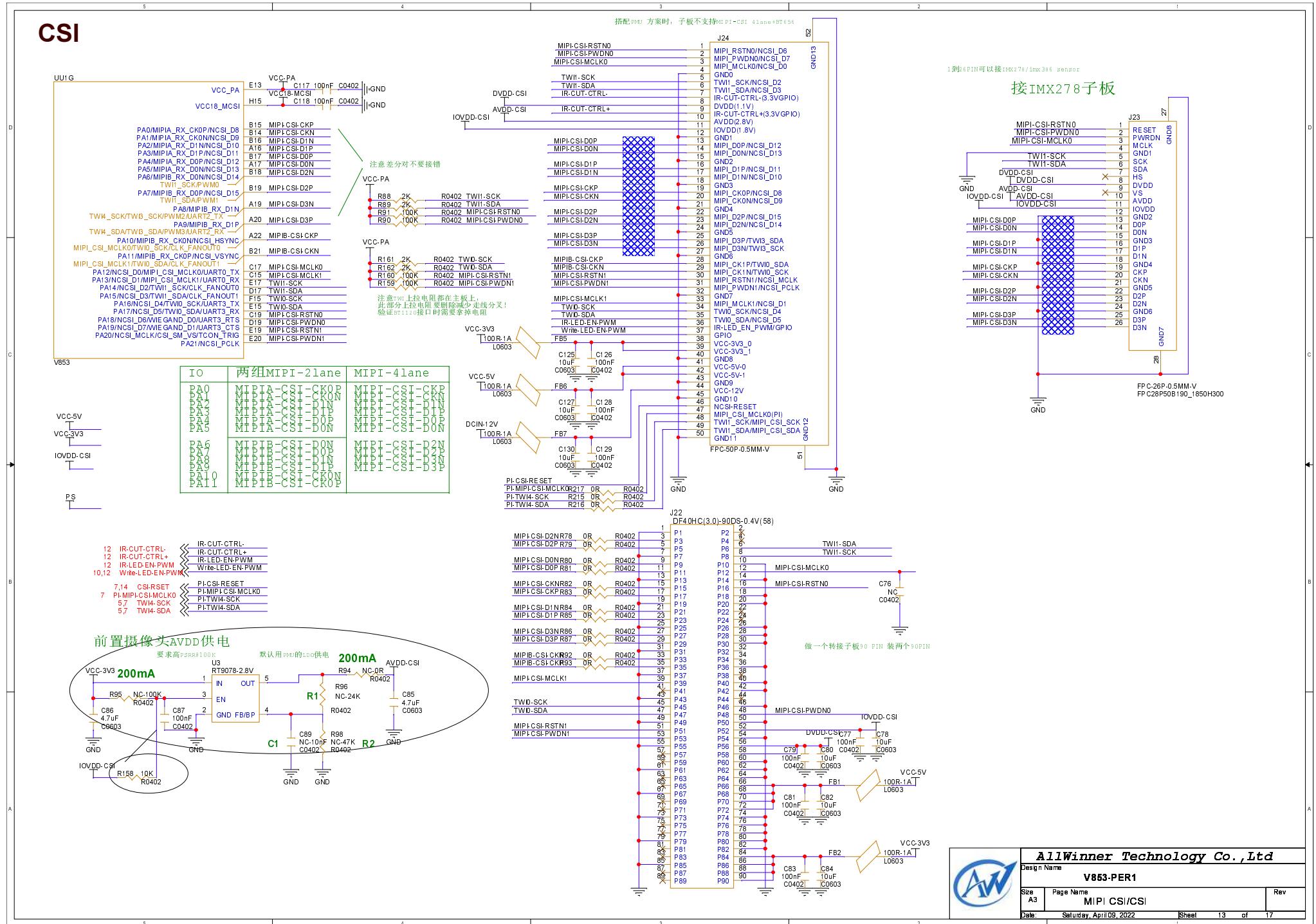






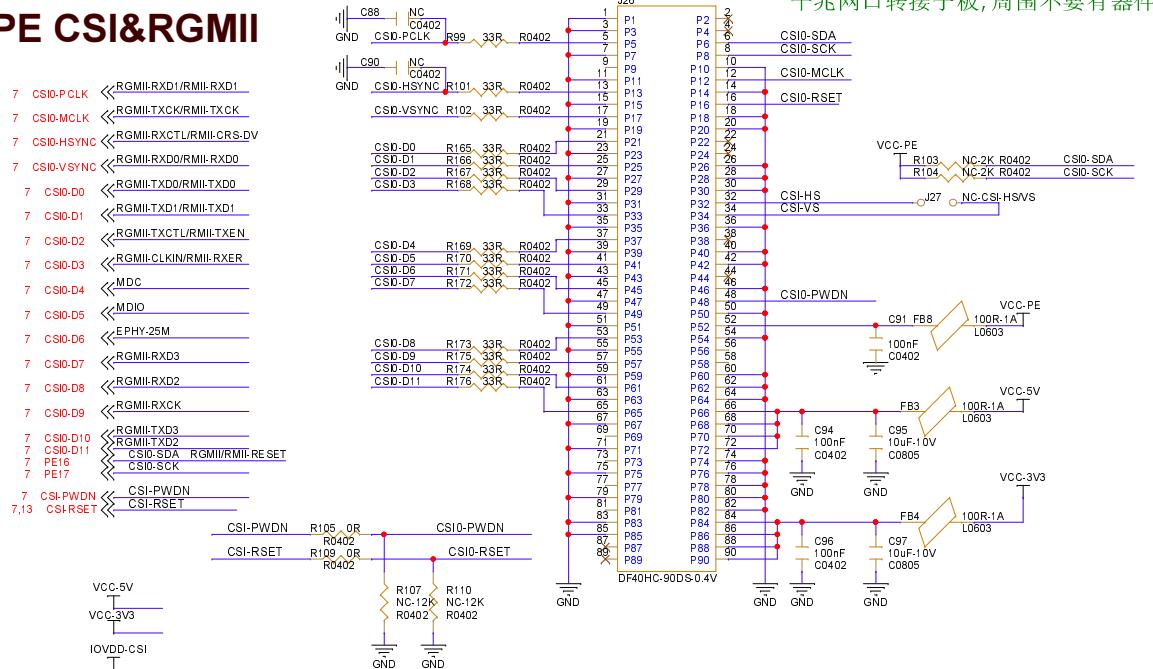


CSI

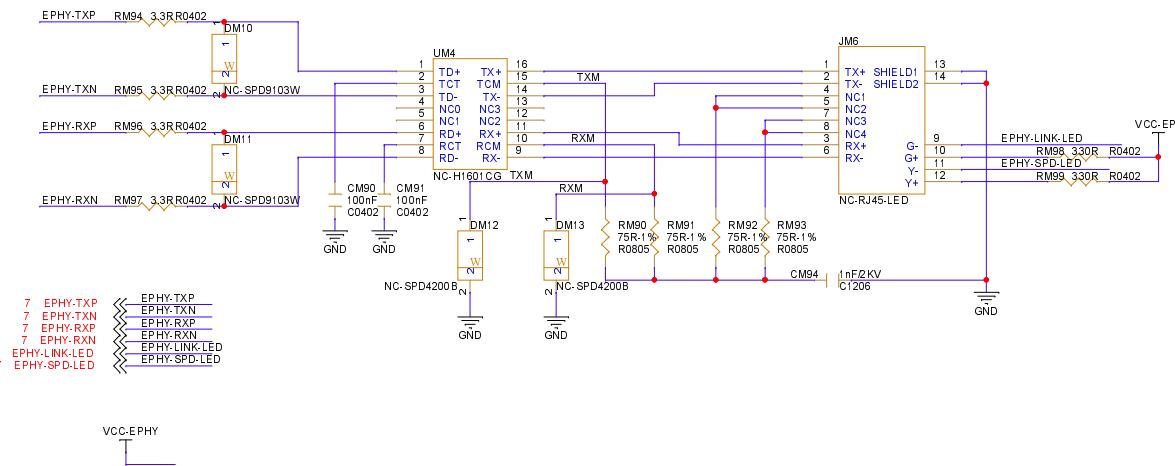


PE CSI&RGMII

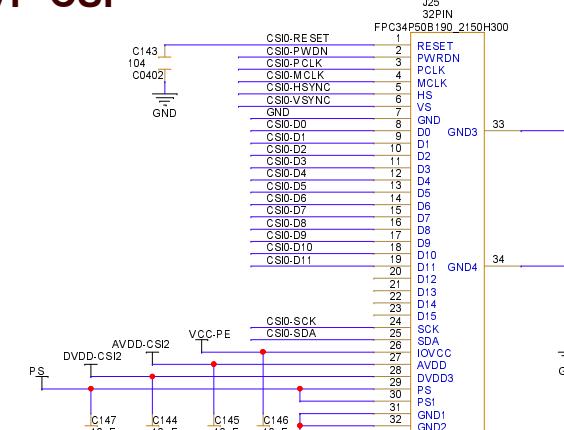
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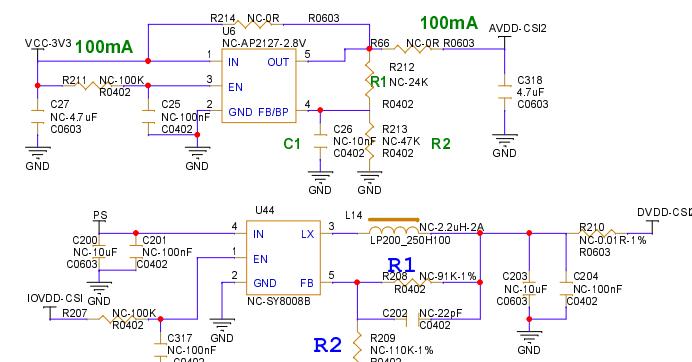
JUST FOR TEST

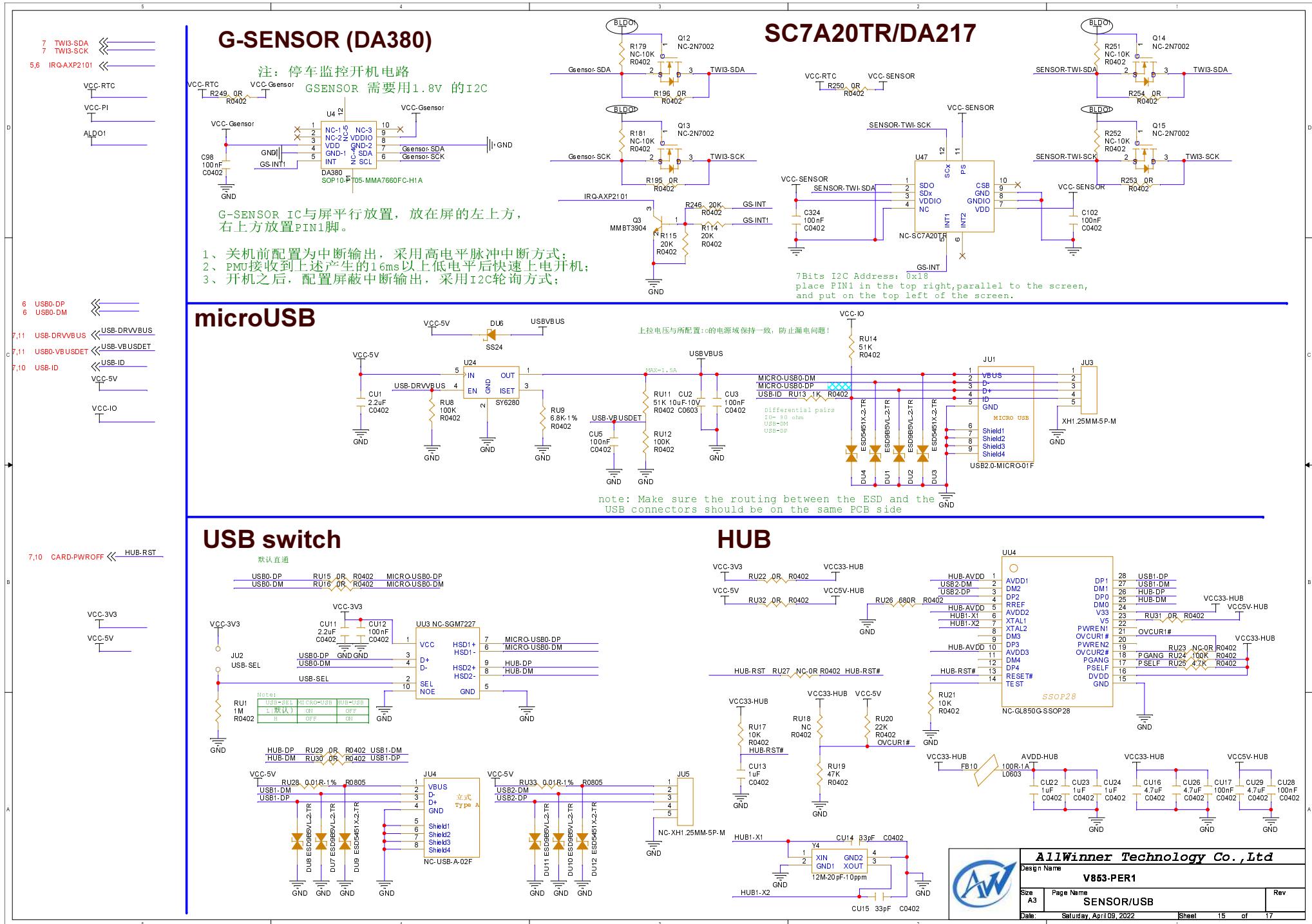


DVP-CSI



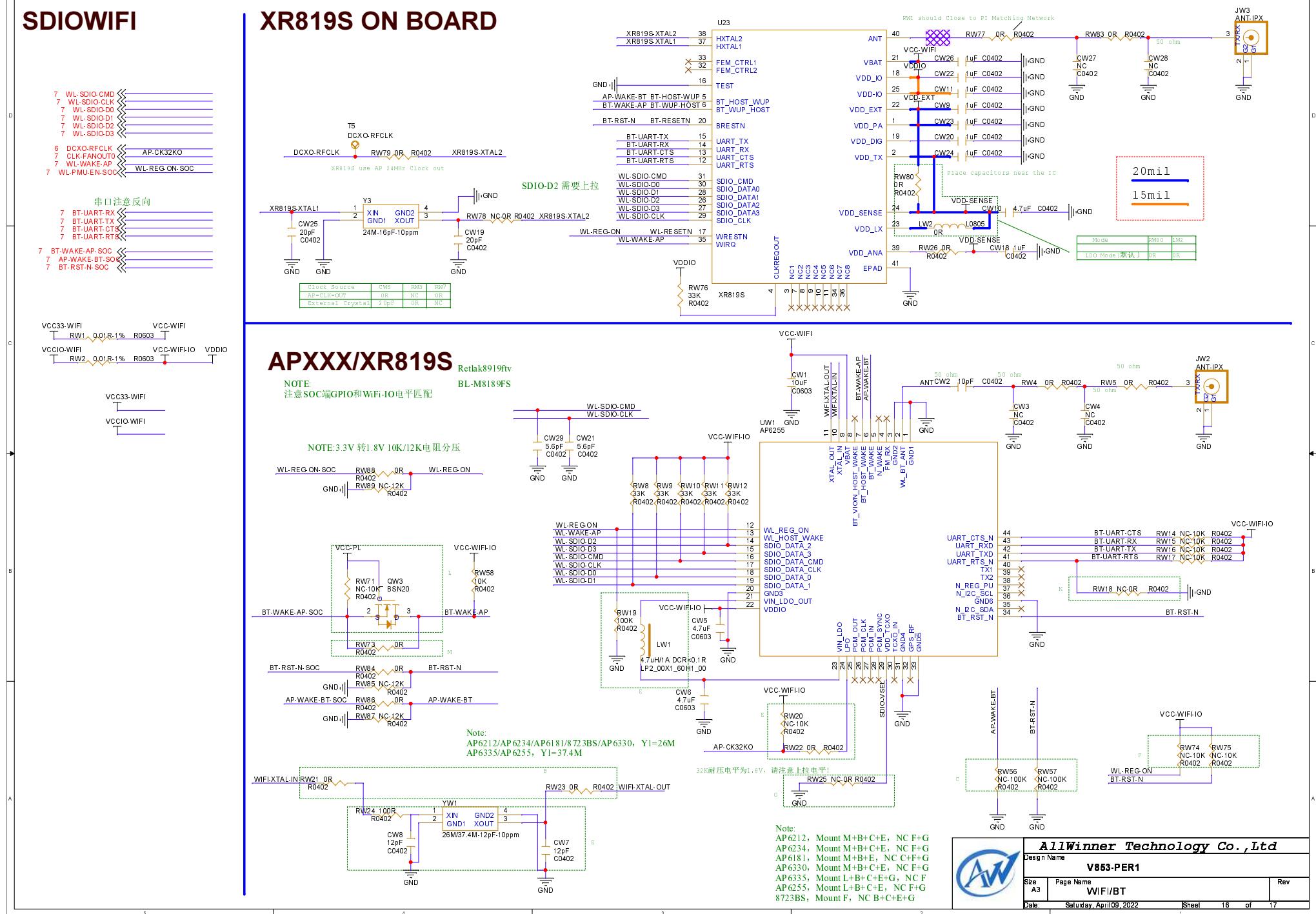
CSI2-POWER



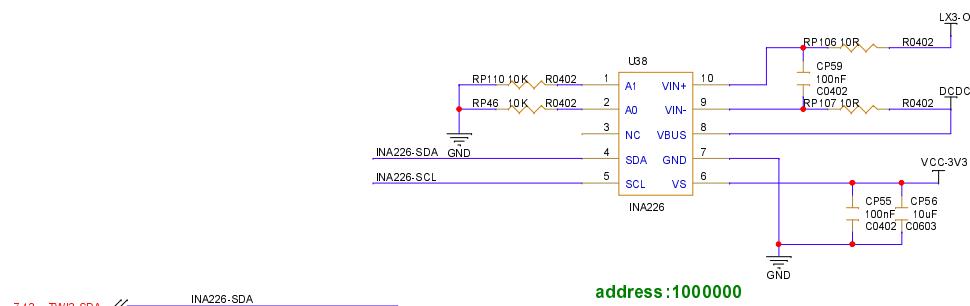


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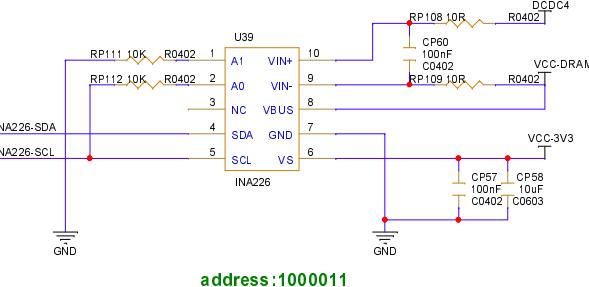
XR819S ON BOARD



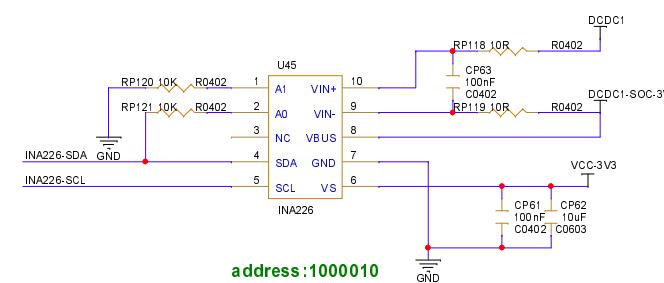
测试VDD-SYS 功耗



测试VCC-DRAM功耗



测试VCC-3V3-SOC功耗



测试VCC-1V8-SOC功耗

