

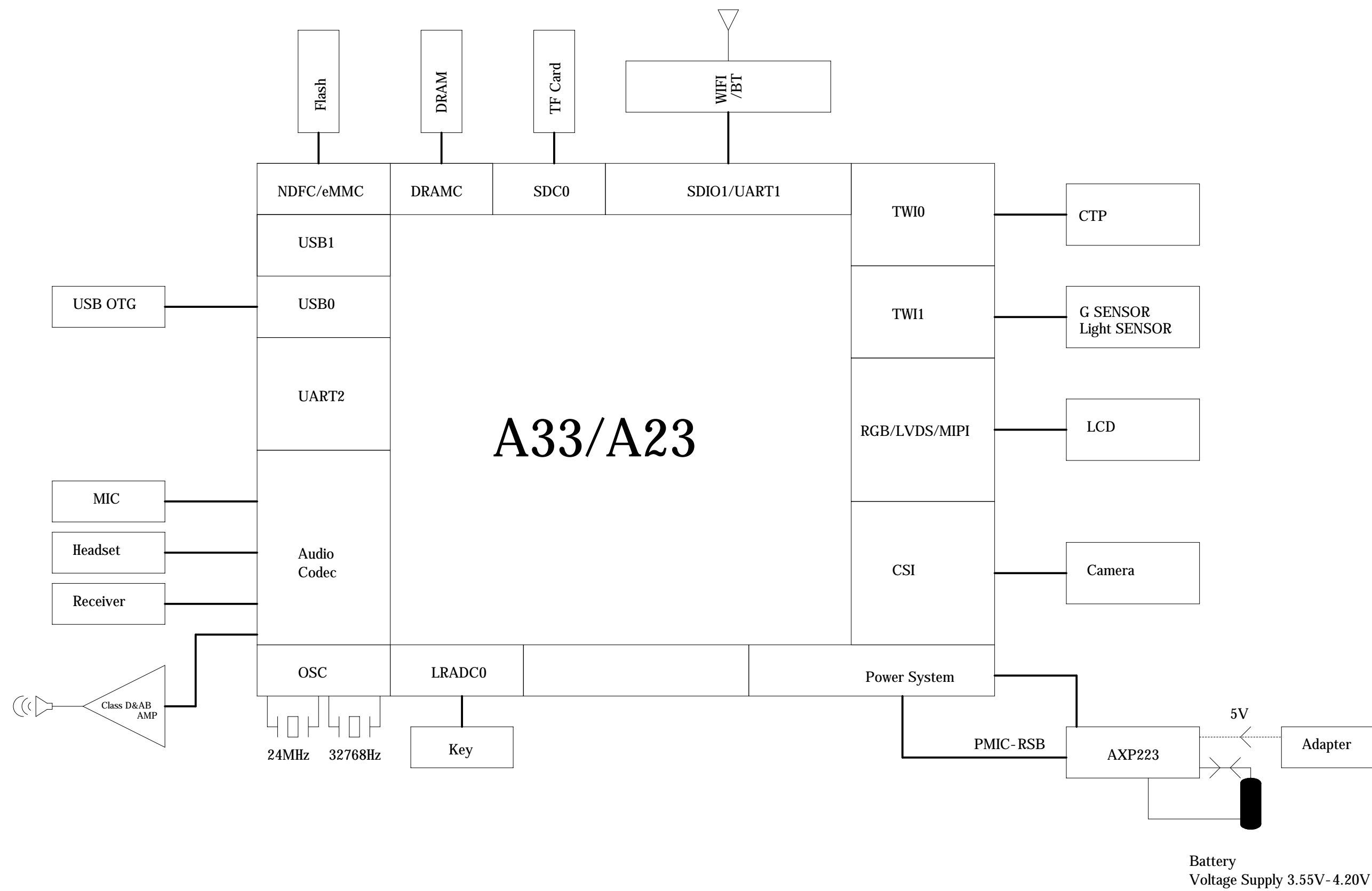
Shengzhen RERVISION Technology GO., LTD

A33 Core Board Schematic V1.0

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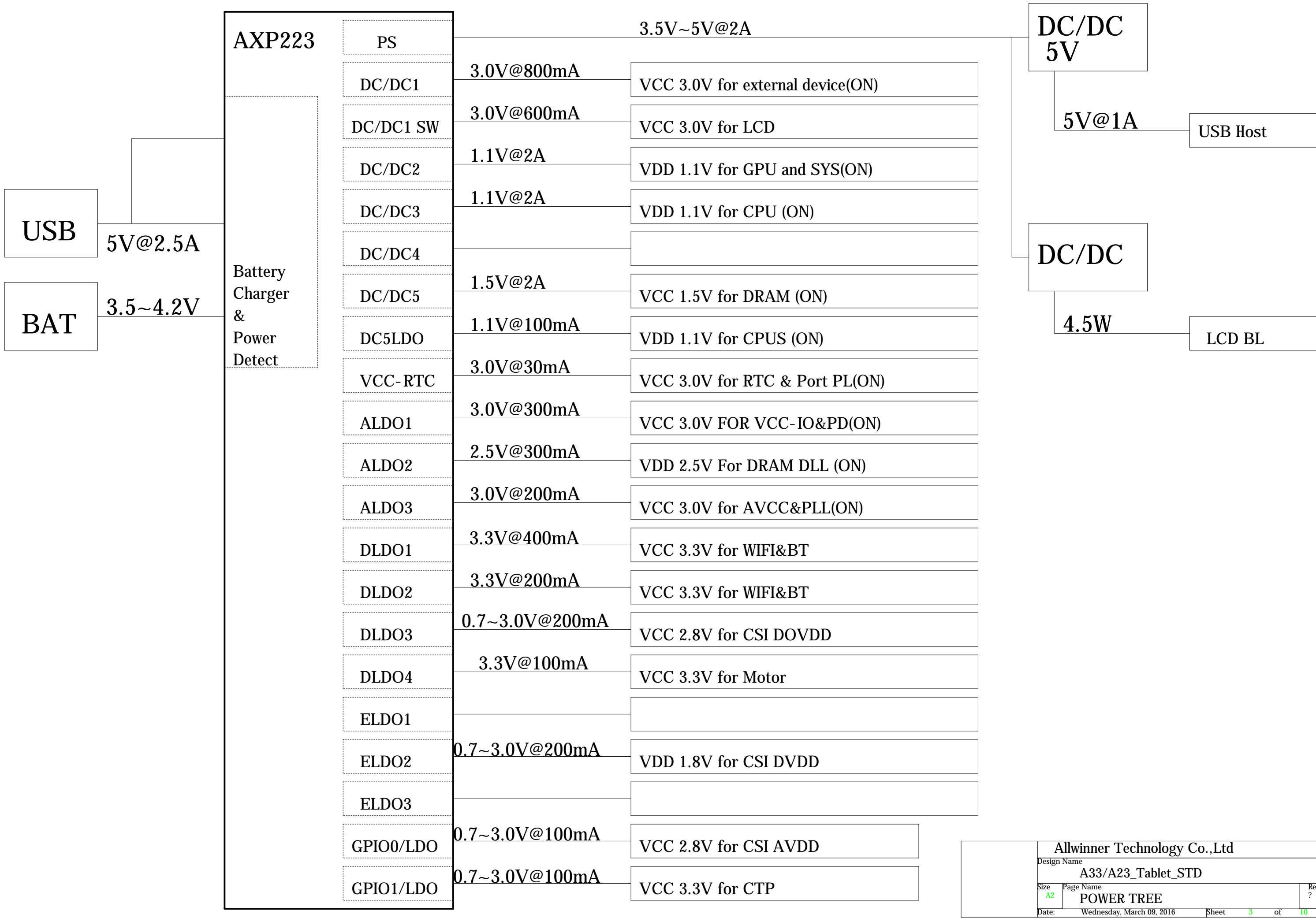
BLOCK DIAGRAM



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POWER TREE



Allwinner Technology Co.,Ltd			
Design Name			
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GPIO ASSIGNMENT

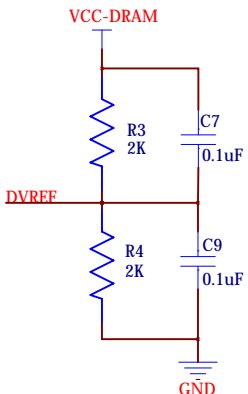
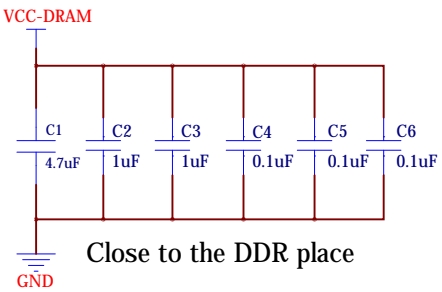
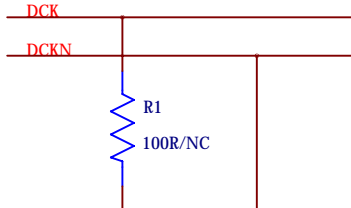
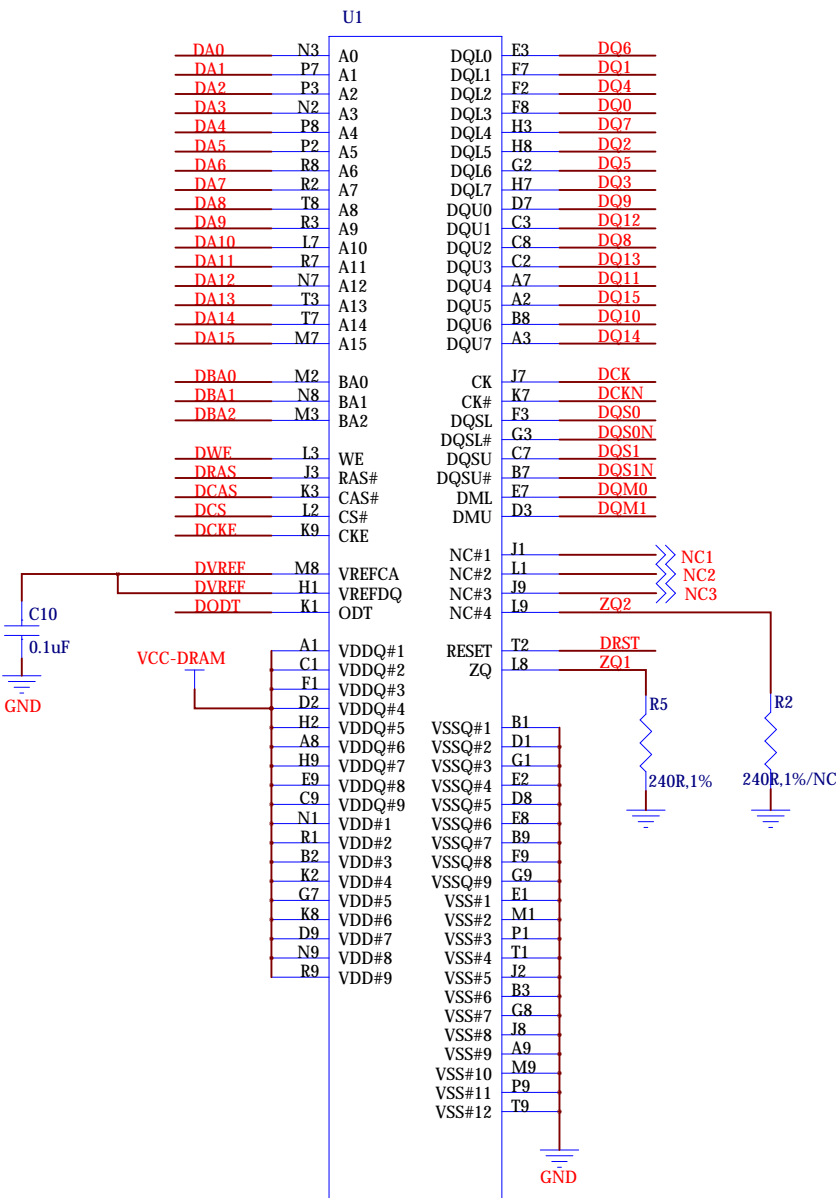
PIN	Name	Function
PB0	AP- UART2- TX	MODEM
PB1	AP- UART2- RX	
PB2	AP- UART2- RTS	
PB3	AP- UART2- CTS	
PB4	T- CARD- DET	T CARD
PB5	TP- INT	TP
PB6	GS- INT	GSENSOR
PB7	LS- INT	ALS

PIN	Name	Function
PH0	LCD- PWM	LCM
PH1	TP- RST	TP
PH2	TP- SCK	
PH3	TP- SDA	SENSOR
PH4	SENSOR- SCK	
PH5	SENSOR- SDA	LCM
PH6	LCD- BL- EN	
PH7	LCD- RST	USB
PH8	USB- ID	AUDIO PA
PH9	PA- SHDN	

PIN	Name	Function
PL0	PMIC- SCK	PMIC
PL1	PMIC- SDA	
PL2	BB- WAKE- AP	MODEM
PL3	BB- PWREN	
PL4	BB- PWR- BAT	
PL5	BB- RST	WLAN BT
PL6	WL- PMU- EN	
PL7	WL- WAKE- AP	
PL8	BT- RST- N	
PL9	BT- WAKE- AP	
PL10	AP- WAKE- BT	
PL11	WL- BT- ENABLE	

PIN	Name	Function
PG0	WL- SDIO- CLK	WLAN
PG1	WL- SDIO- CMD	
PG2	WL- SDIO- D0	
PG3	WL- SDIO- D1	
PG4	WL- SDIO- D2	
PG5	WL- SDIO- D3	BT
PG6	AP- UART1- TX	
PG7	AP- UART1- RX	
PG8	AP- UART1- RTS	
PG9	AP- UART1- CTS	
PG10	AP- WAKE- BB	
PG11		
PG12		
PG13		

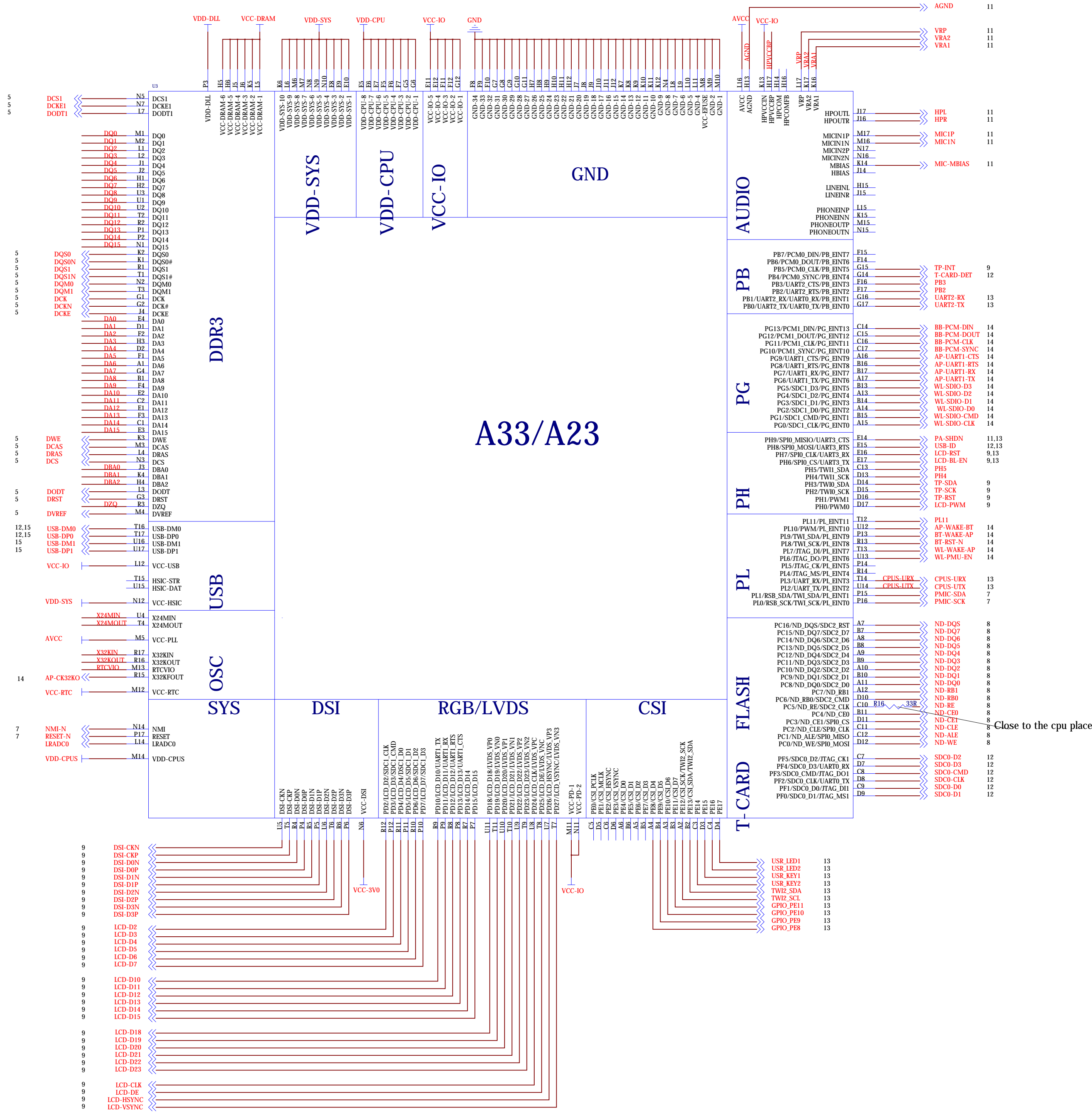
DRAM_DDR3_8BIT*2_16BIT*



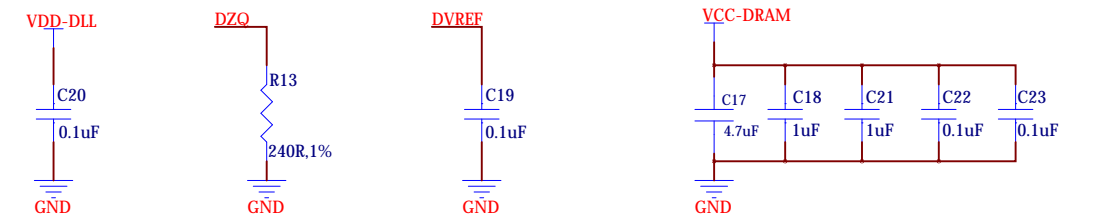
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CPU



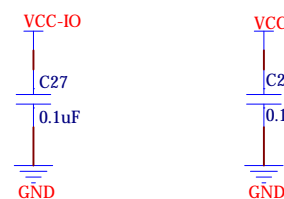
DRAM



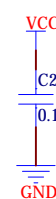
AUDIO



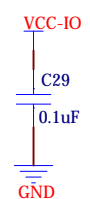
USB



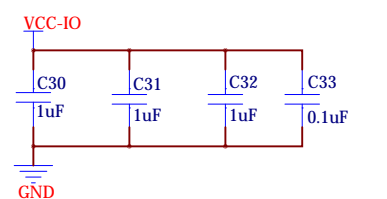
DSI



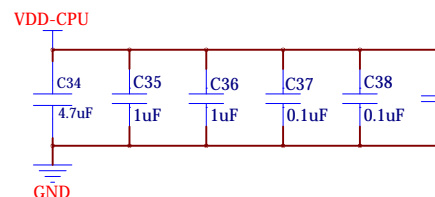
PD



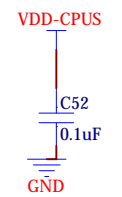
VCC-IO



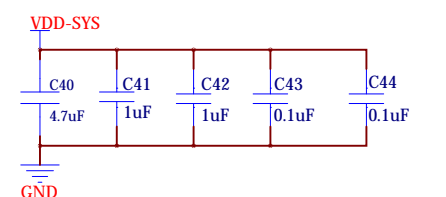
VDD-CPU



SYS



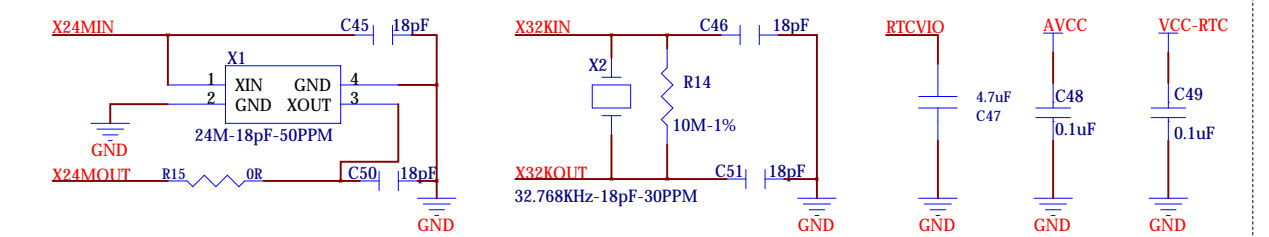
VDD-SYS



Please put the capations close to the cpu.

If there is have enough space, please put the capactiors on the back of cpu.

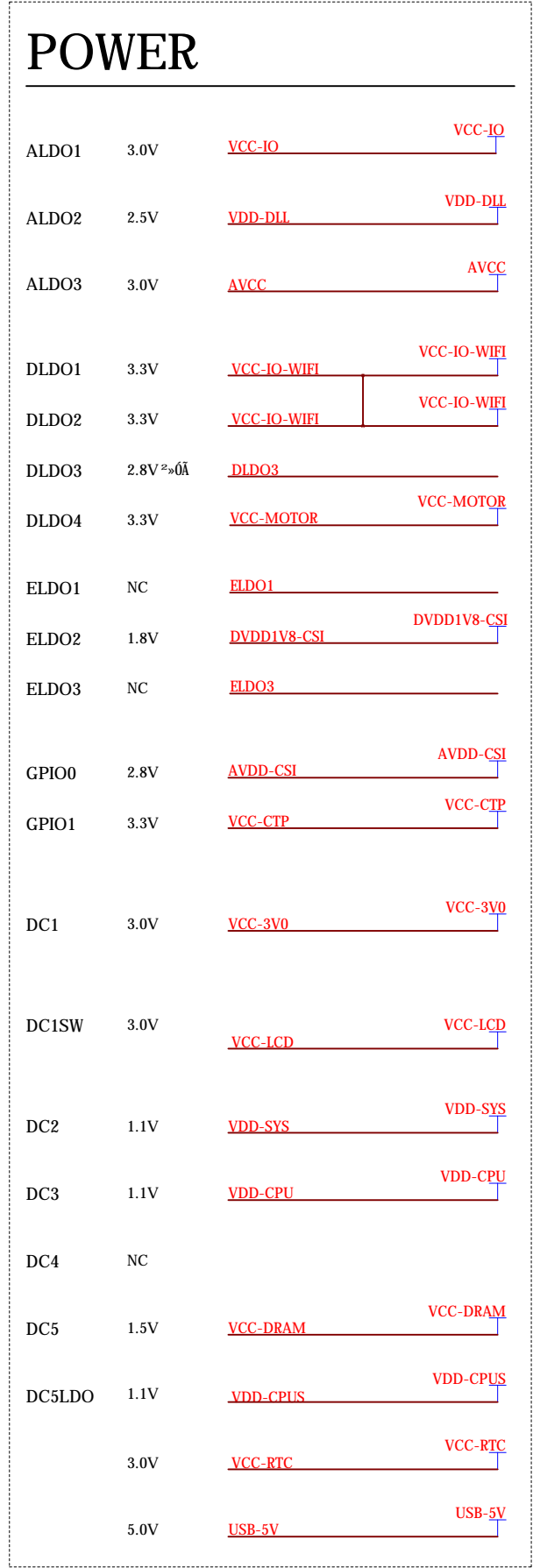
OSC



Can not layout lines below the crystal oscillate

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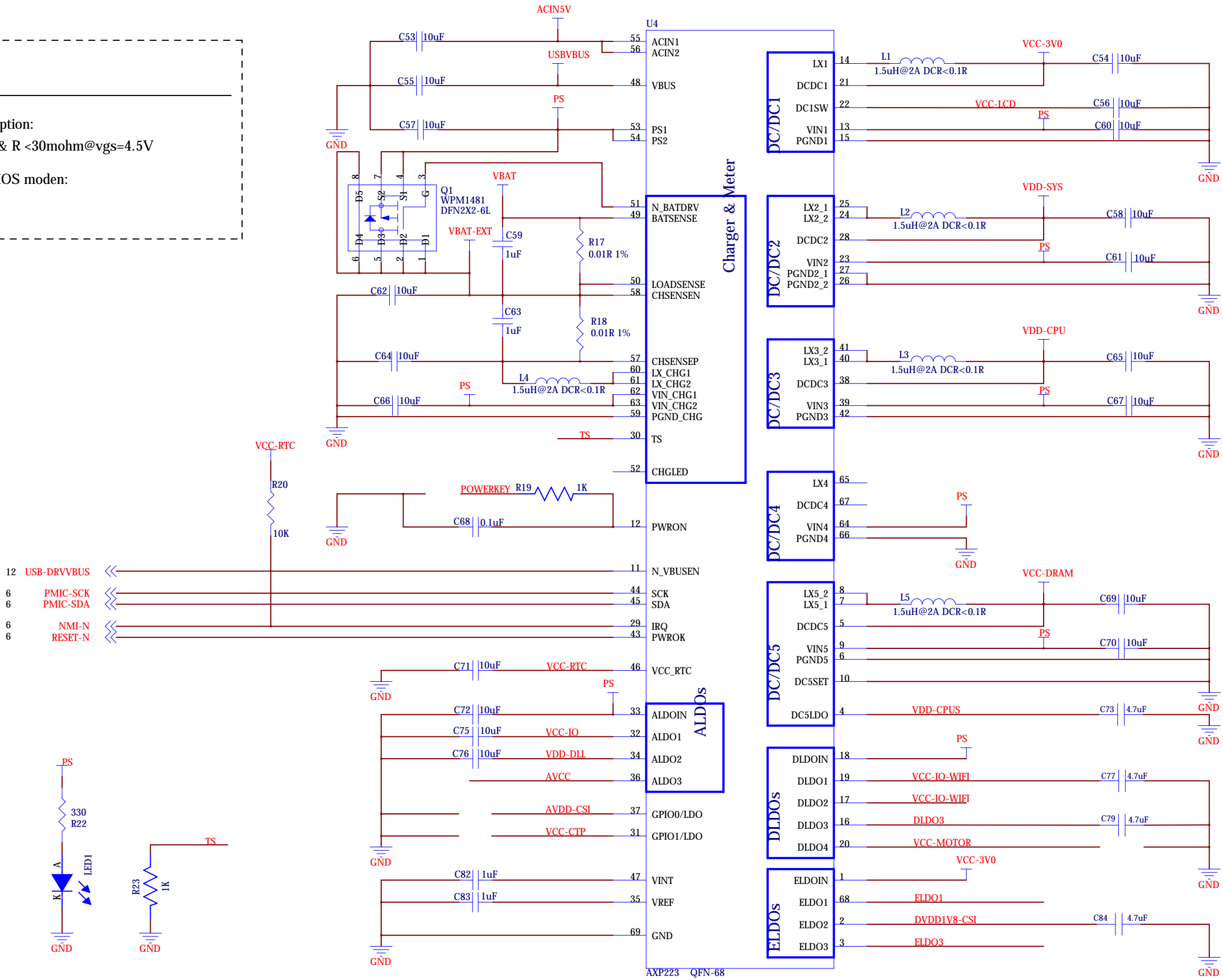
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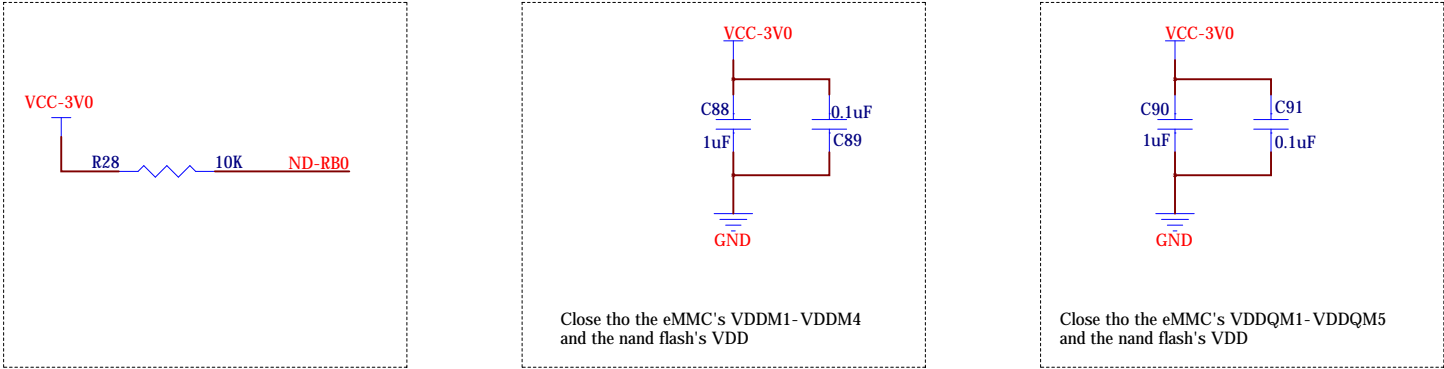
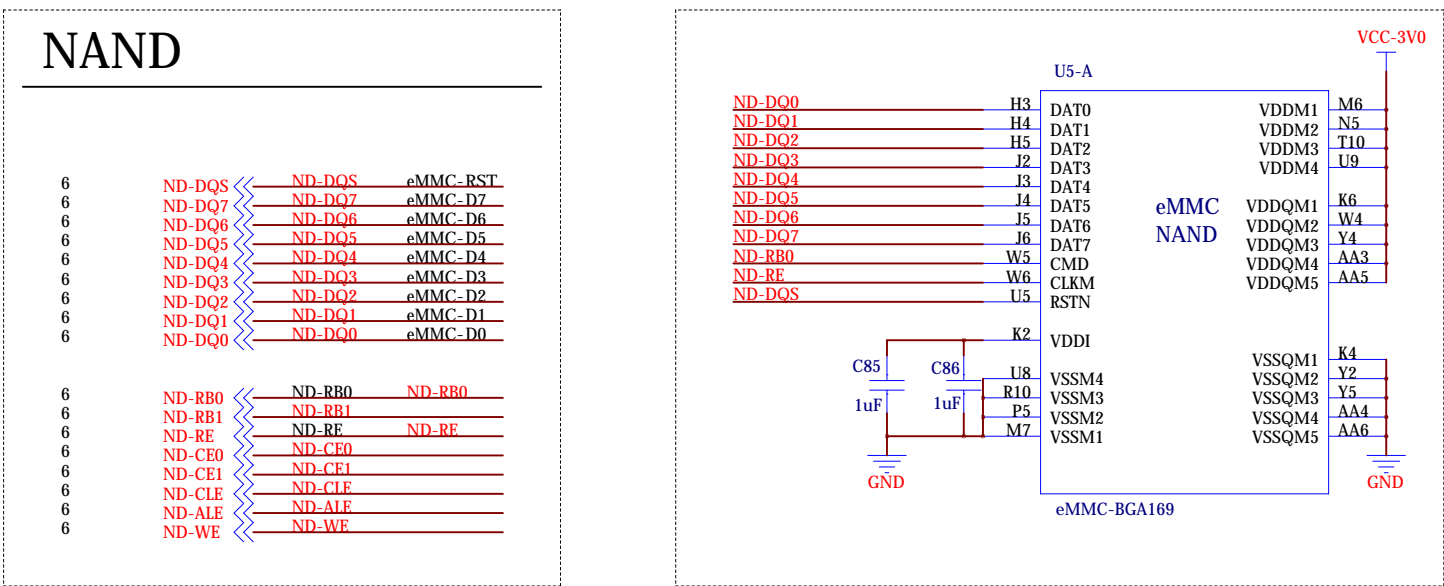
NOTE:

P-MOSFET Option:
Q1 vth <1.5V & R <30mohm@vgs=4.5V

Recommend MOS moden:
1.WPM1481
2. ACE5801



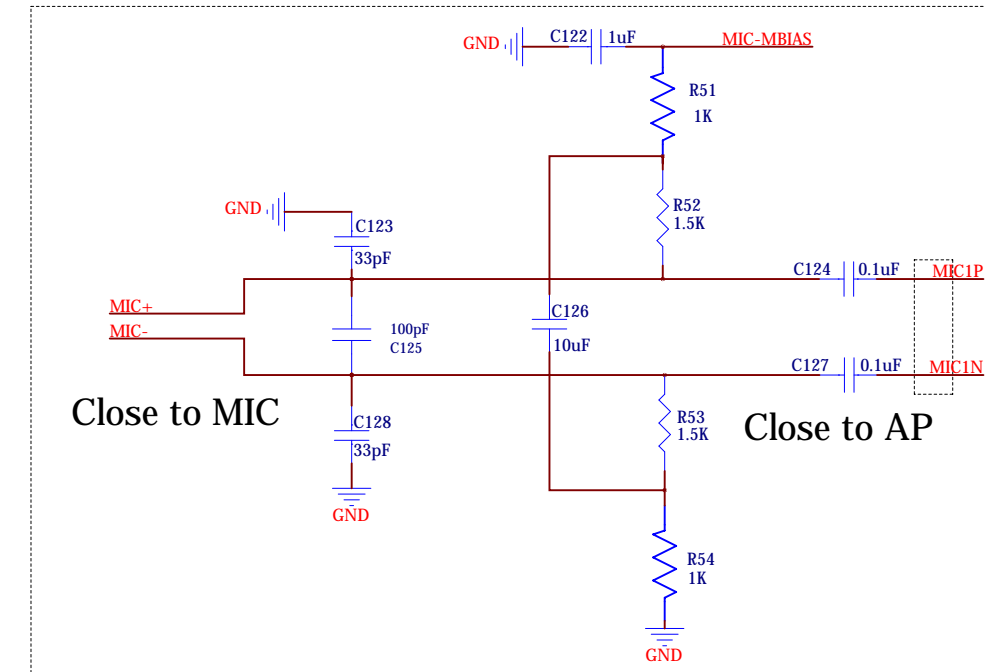
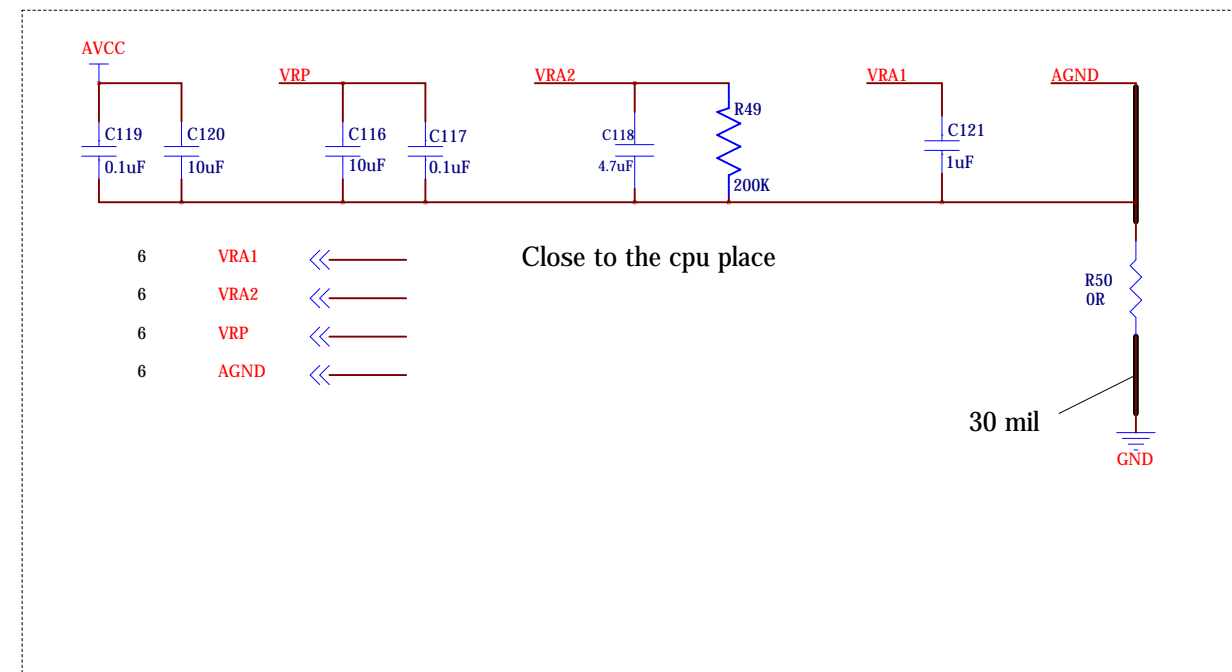
MARK-2.5MM MARK-2.5MM MARK-2.5MM



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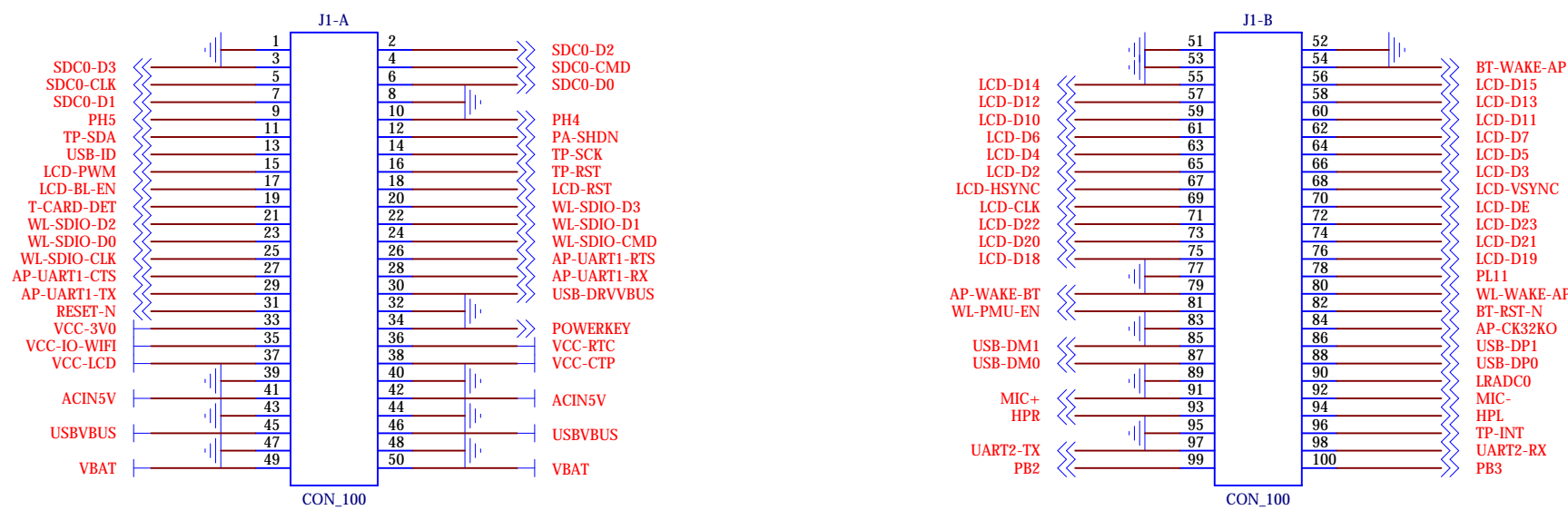
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AUDIO(DIRECT)



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CONNECT



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