## CEK8903\_PIQ\_DDR4\_ONBOARD

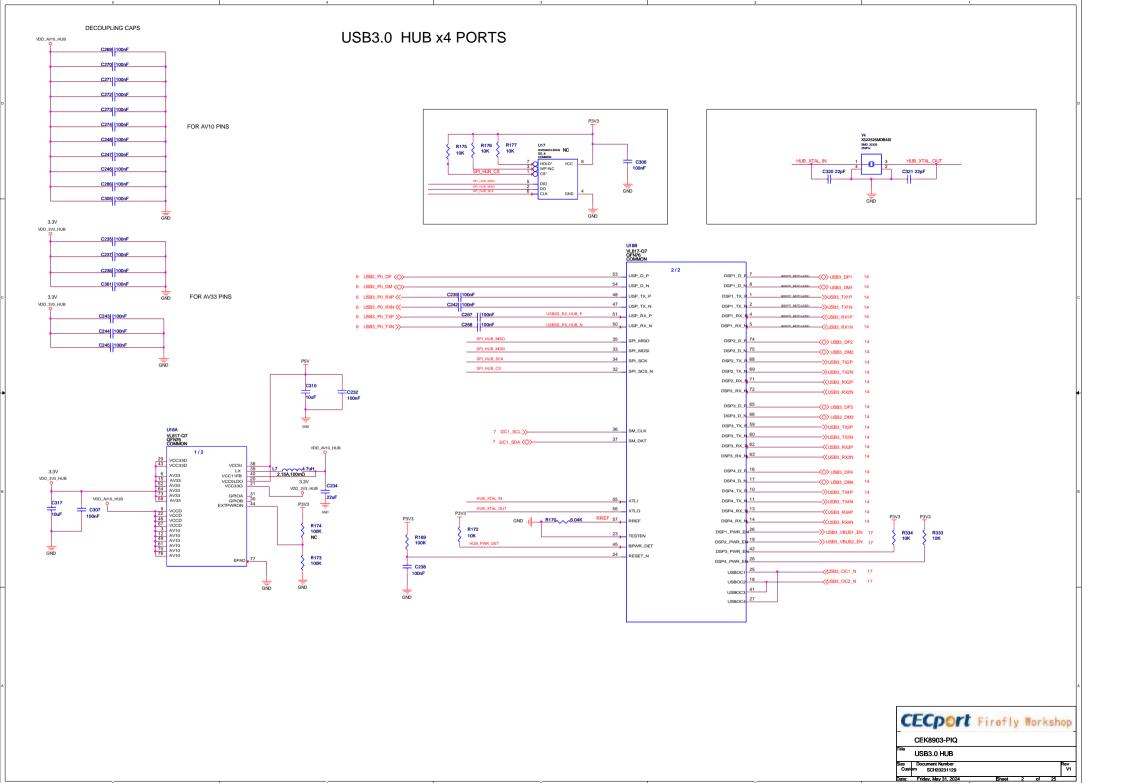
## PHYTIUM CONFIDENTIAL

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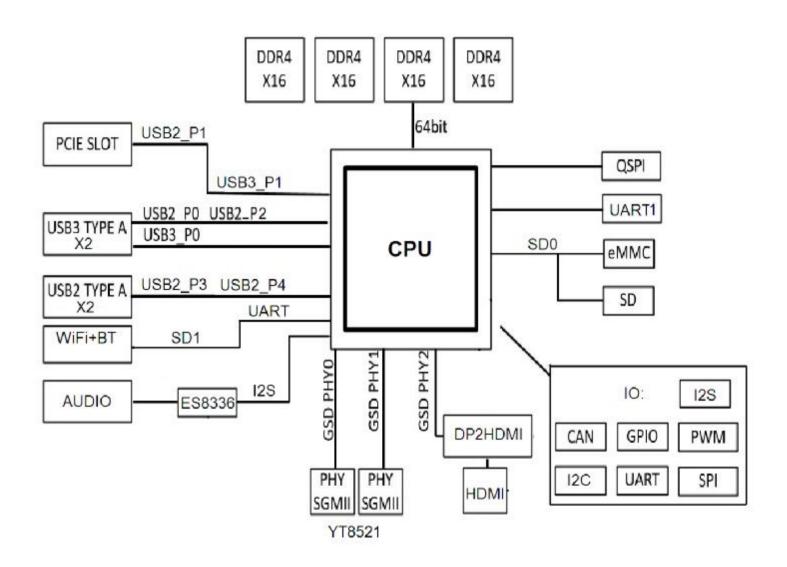
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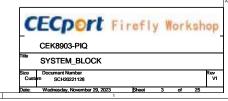
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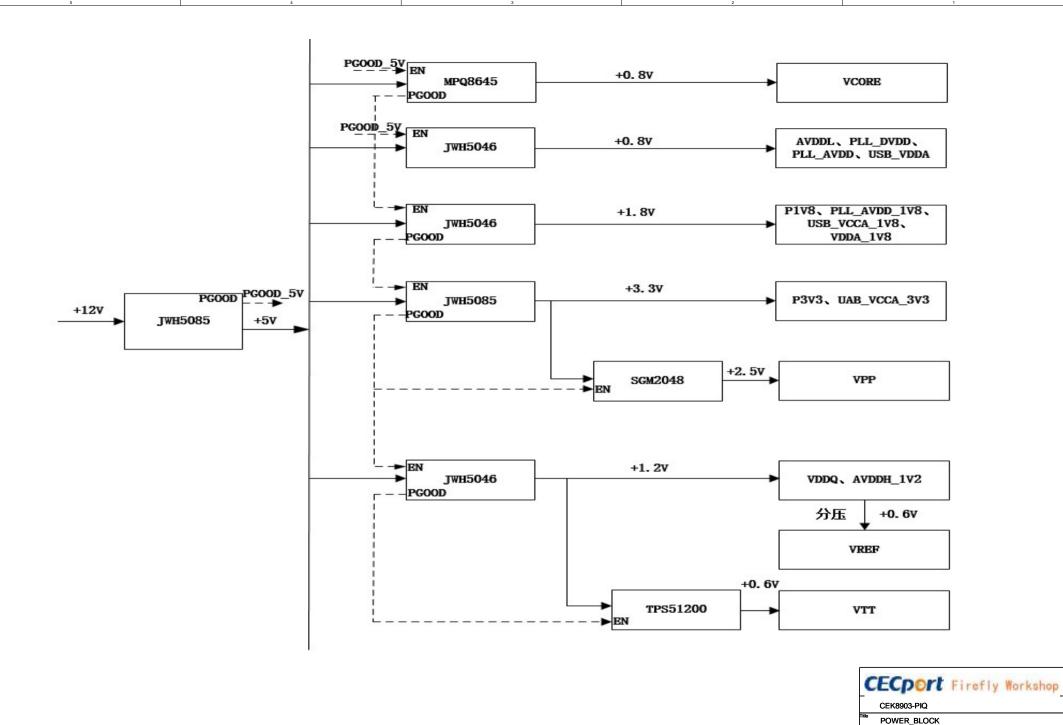
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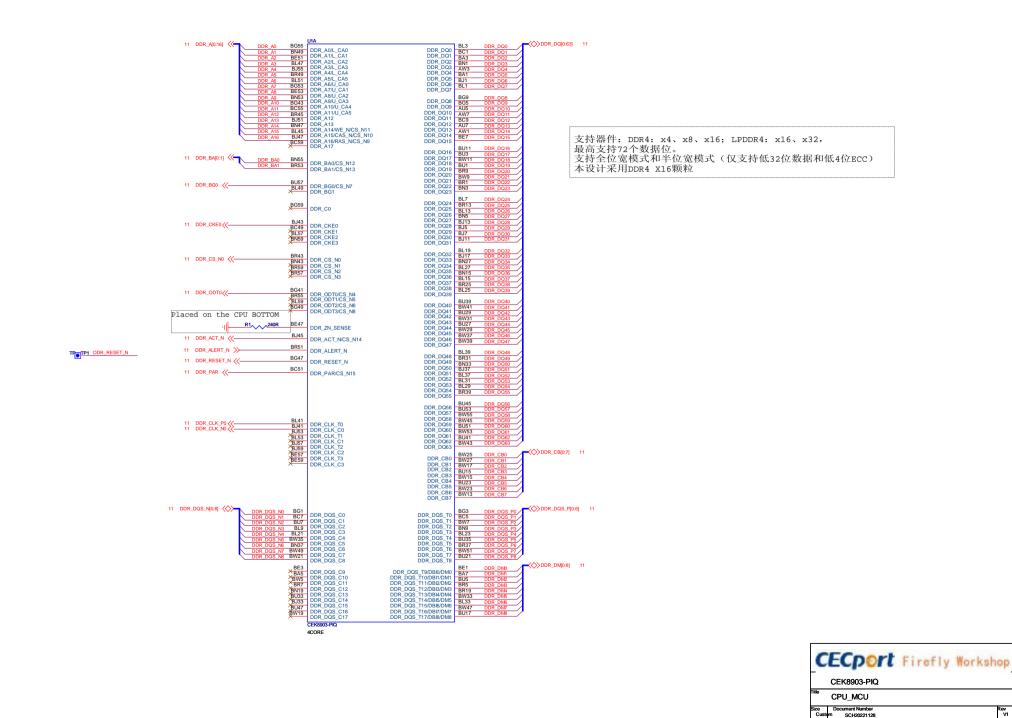


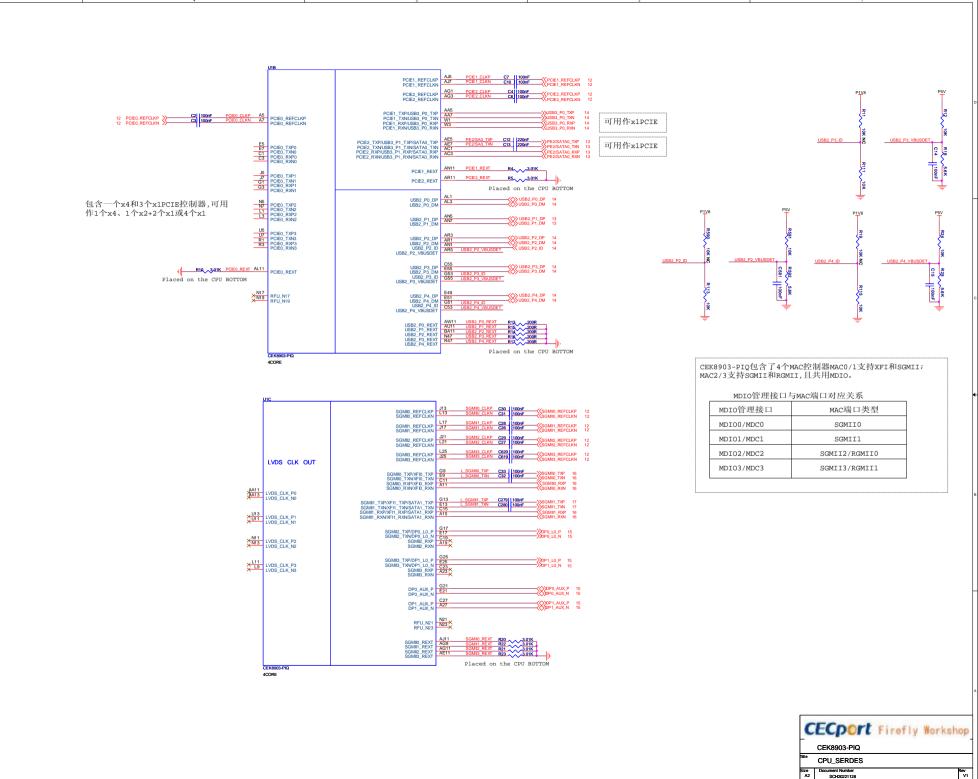
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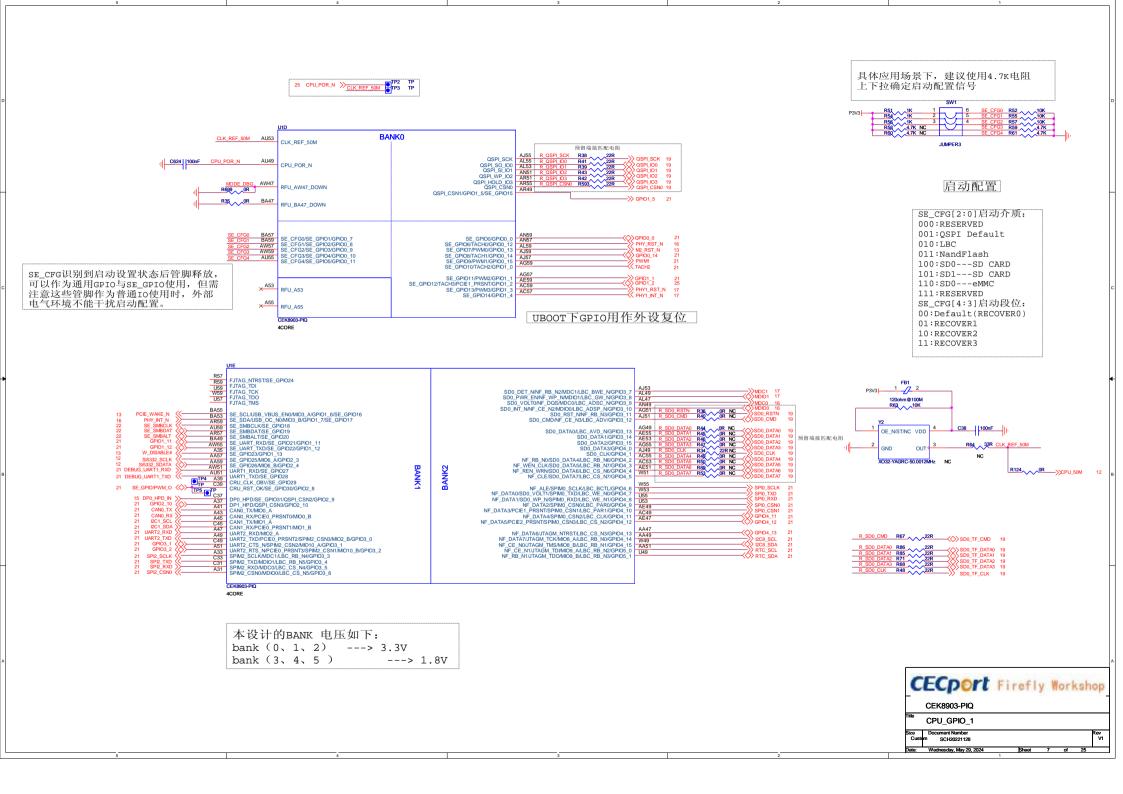


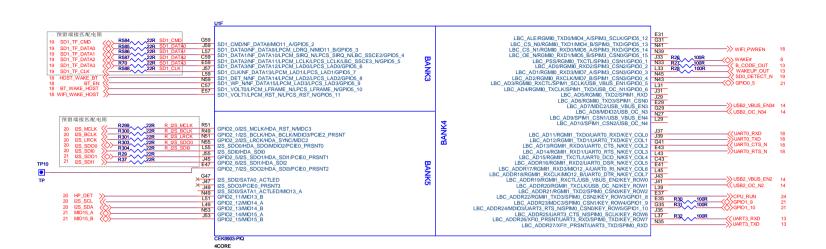


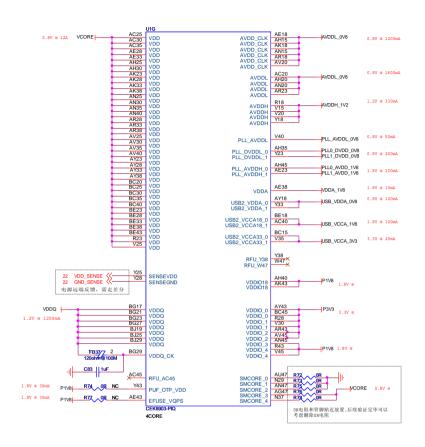












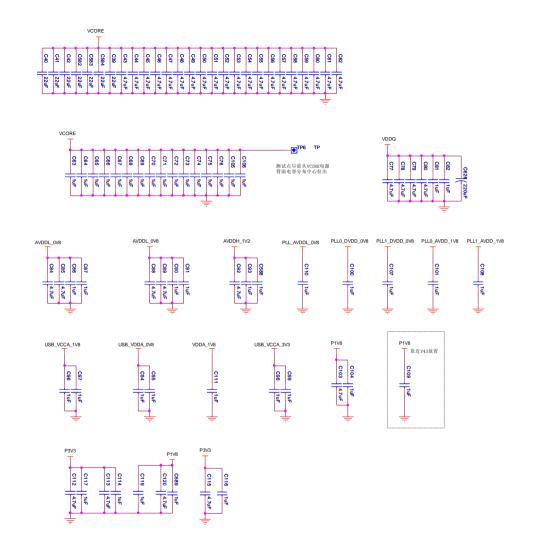
BANK0~BANK4 供电电源为VDDIO\_x(0-4),均支持1.8v或3.3v电平; SMCORE\_x(0-4)为各bank电平控制信号,其与VDDIO\_x(0-4)对应关系如下表:

SMCORE_x	VDDIO_x
0	3.3V
1	1.8V

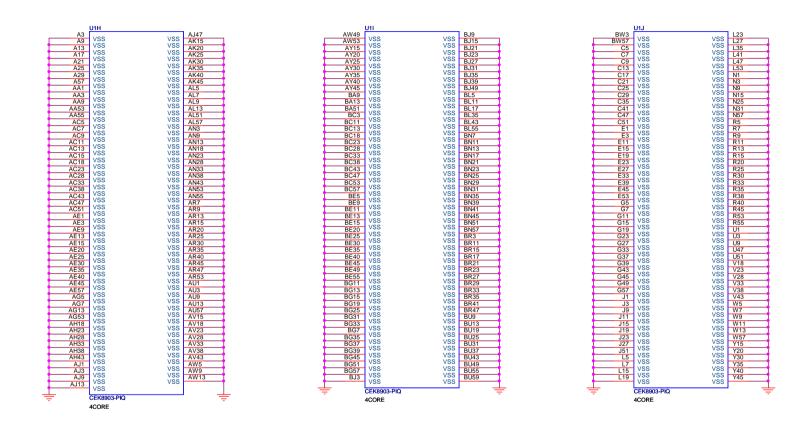
1表示SMCORE\_x(0-4)接CEK8903-PIQ核心电压VDD 0表示SMCORE\_x(0-4)接地

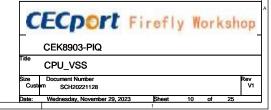
VDDI018电源为各BANK IO保持电源及BANK5 IO 供电电源,需要保持常供电状态,且固定1.8V。

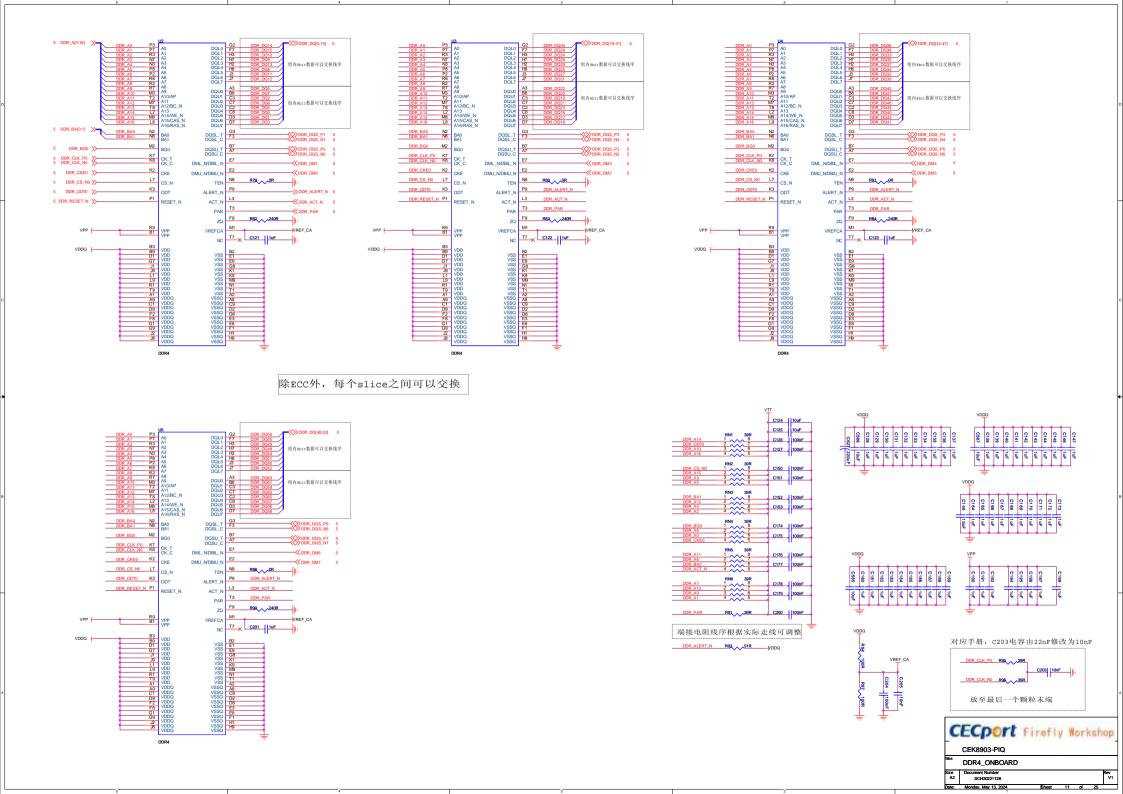
VDDIO\_x接3.3V电源前,SMCORE\_x必须接地,上下电过程中须保证VDDIO\_x(3.3V)和VDDIO18的电压压差在1.98V以内,否则有可靠性问题。

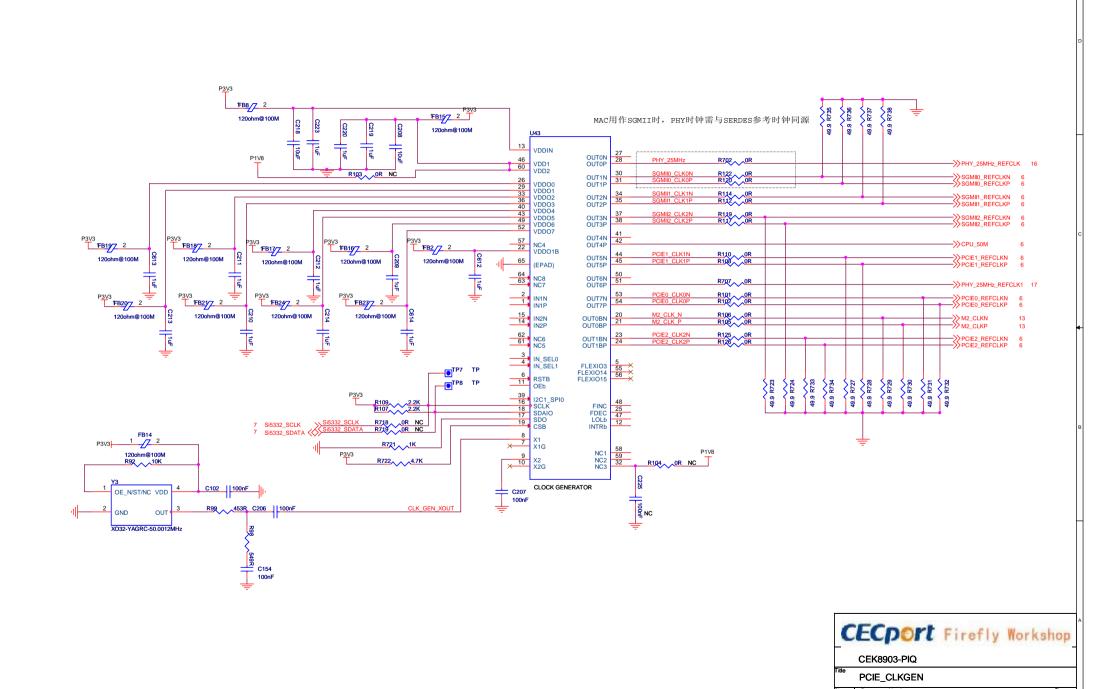








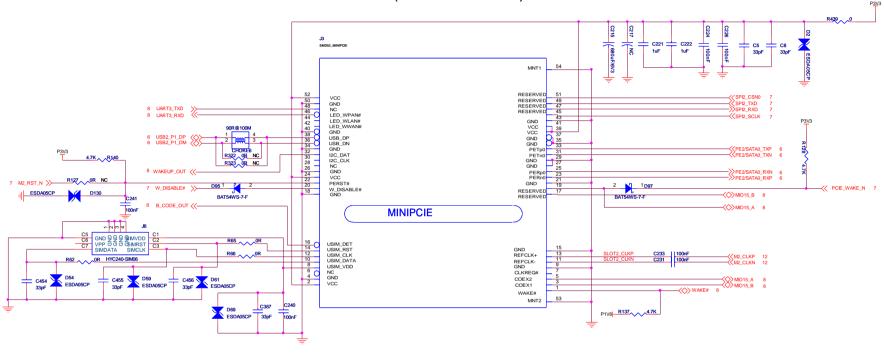




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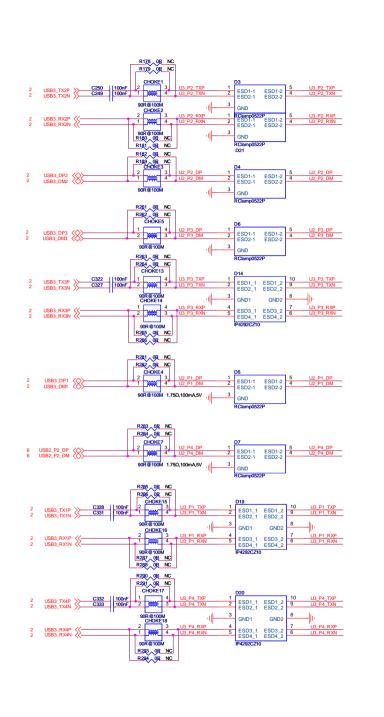
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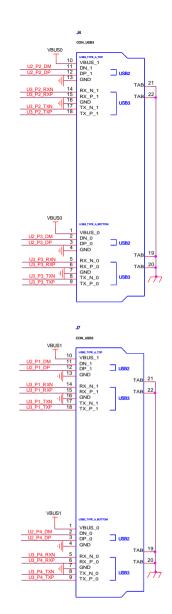
## MiniPCIe(4G/5G/AI/LORA)



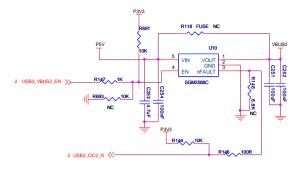


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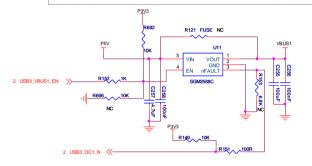


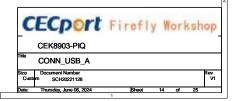


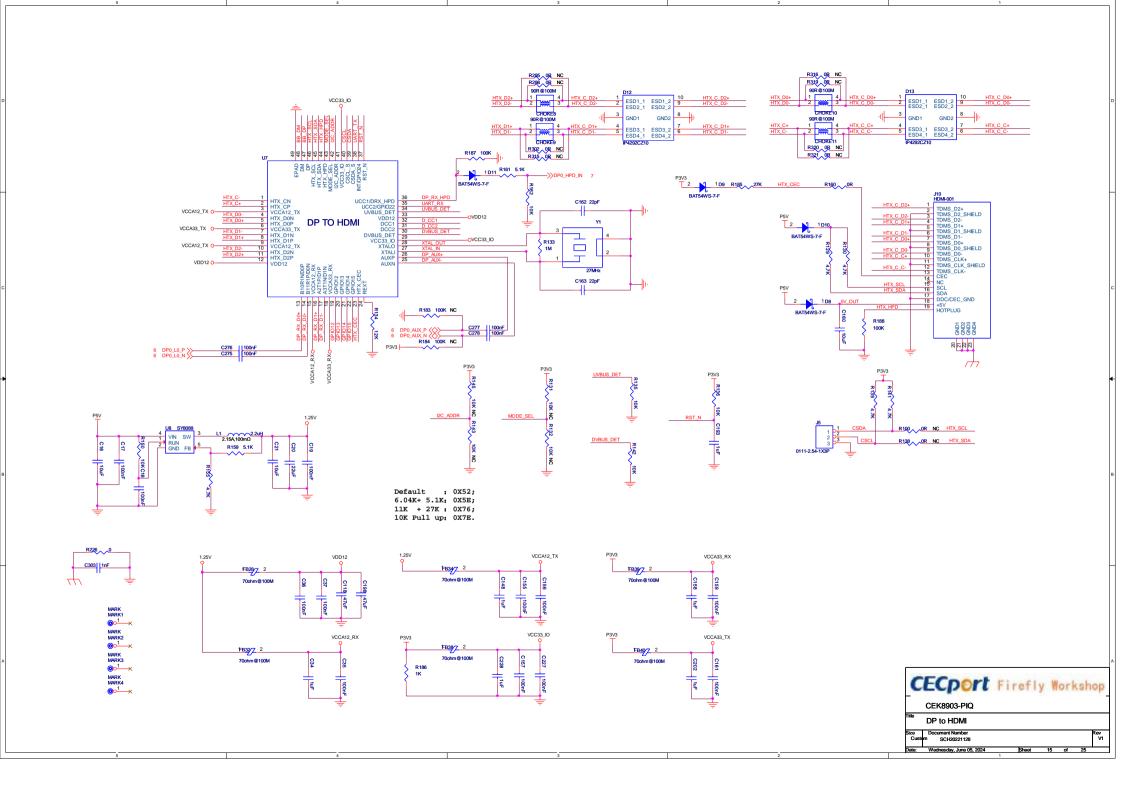
USB3.0和USB2.0做HOST时,VBUS\_EN和OC\_N可用GPIO代替用户如需上电直接使能USB,则上拉使能即可(本设计预留)

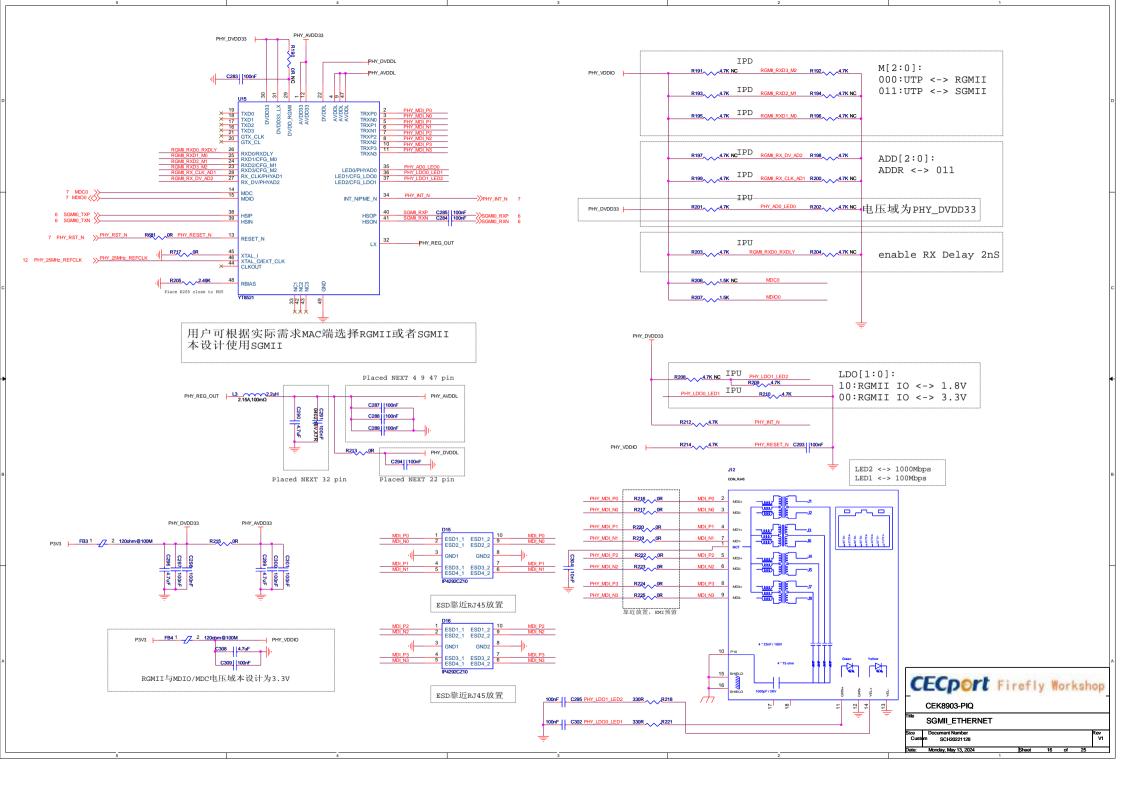


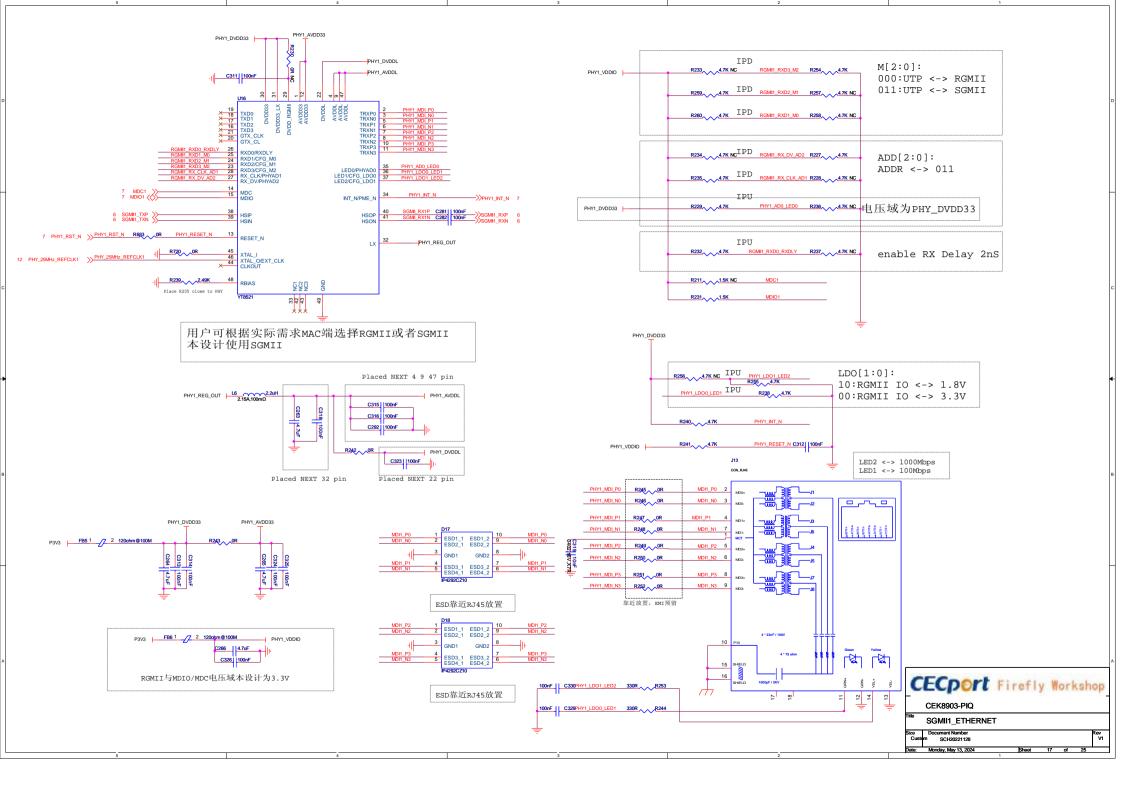
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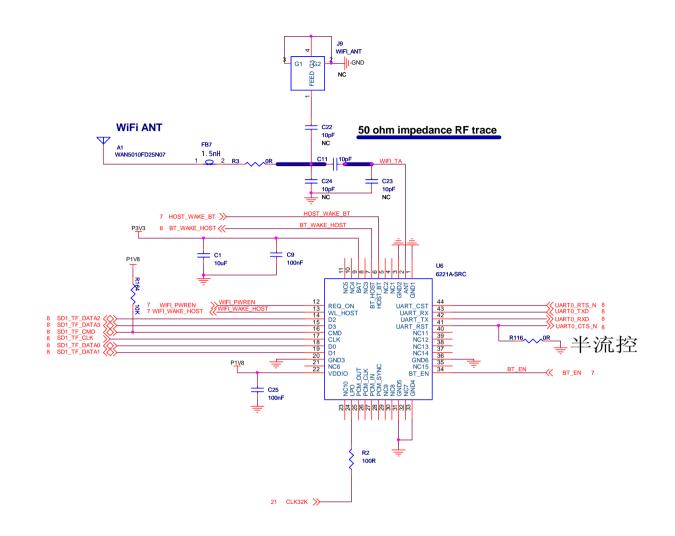




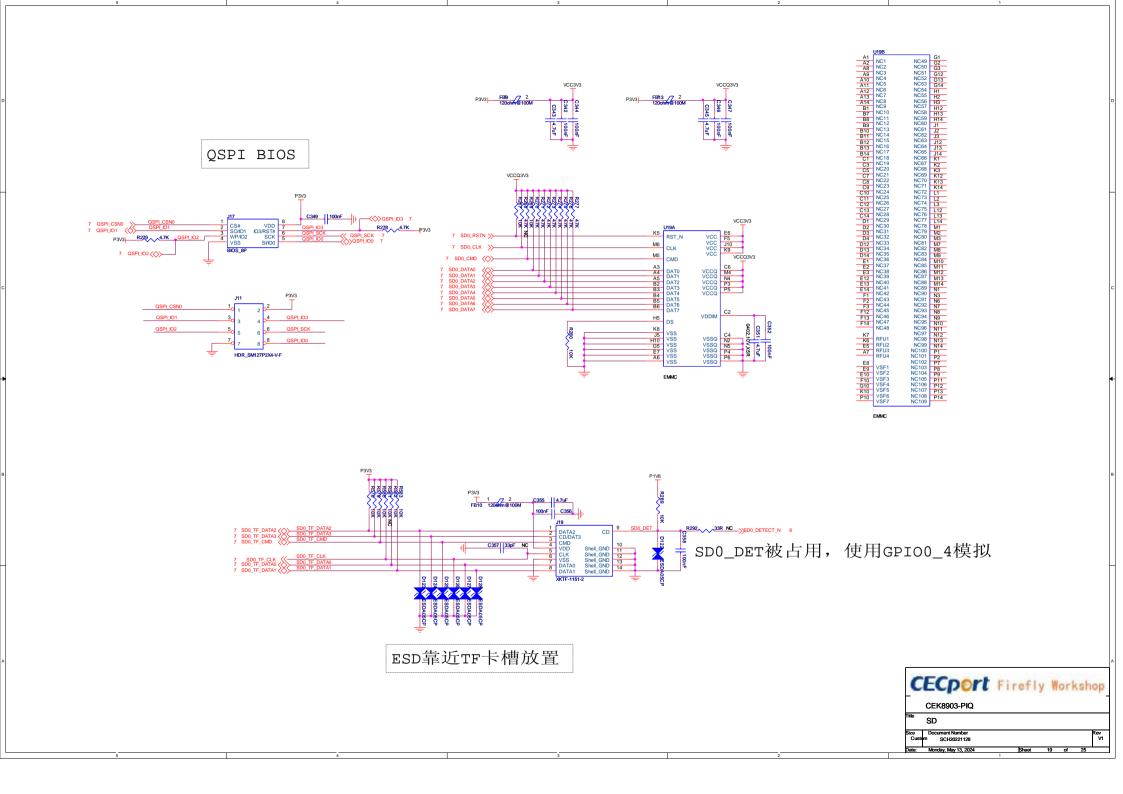




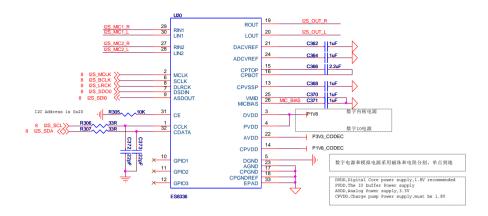


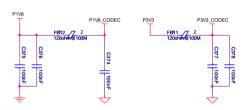


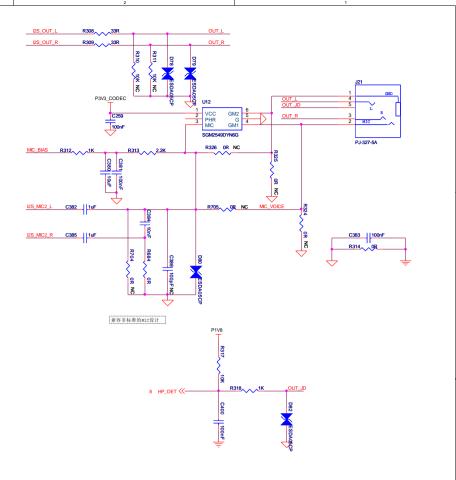
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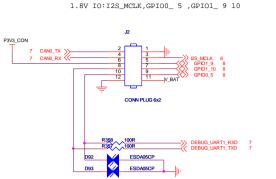




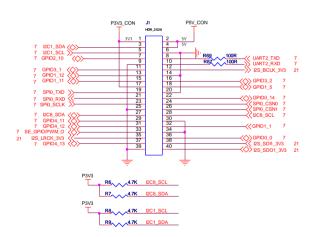




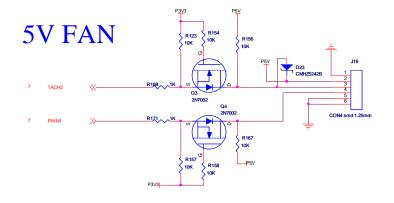


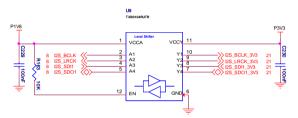


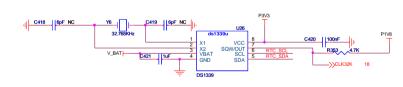
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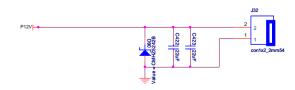


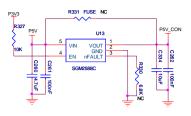


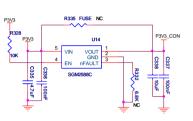




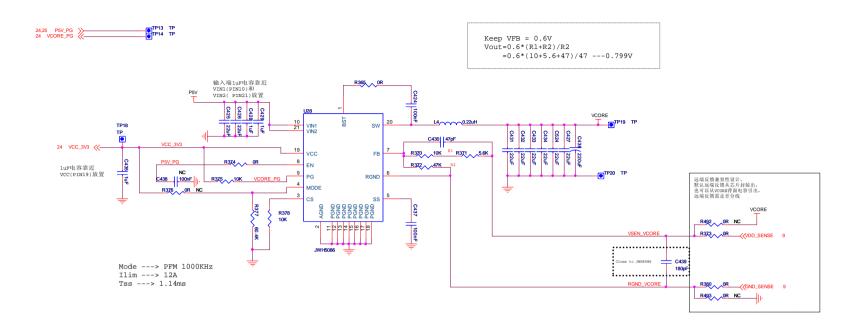












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