

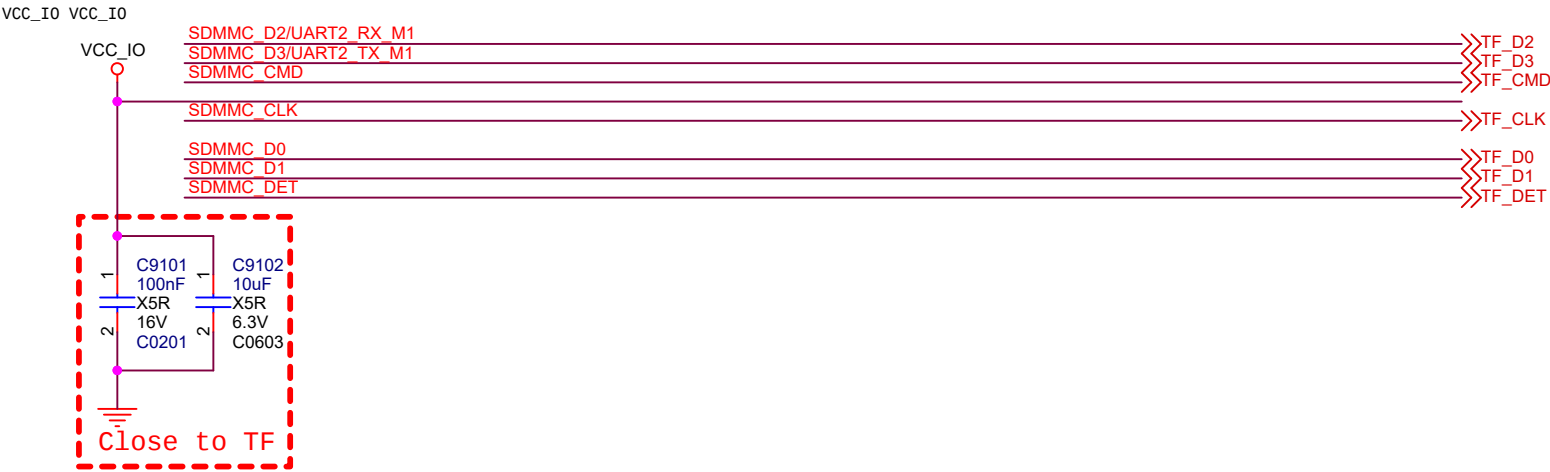


Radxa rCore-RK3308

Schematic

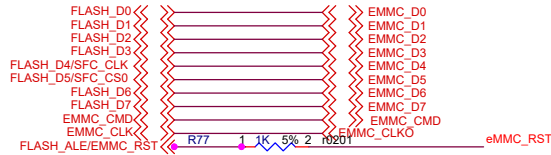
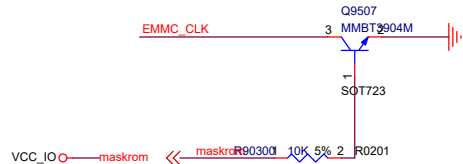
V2.20

TF Card



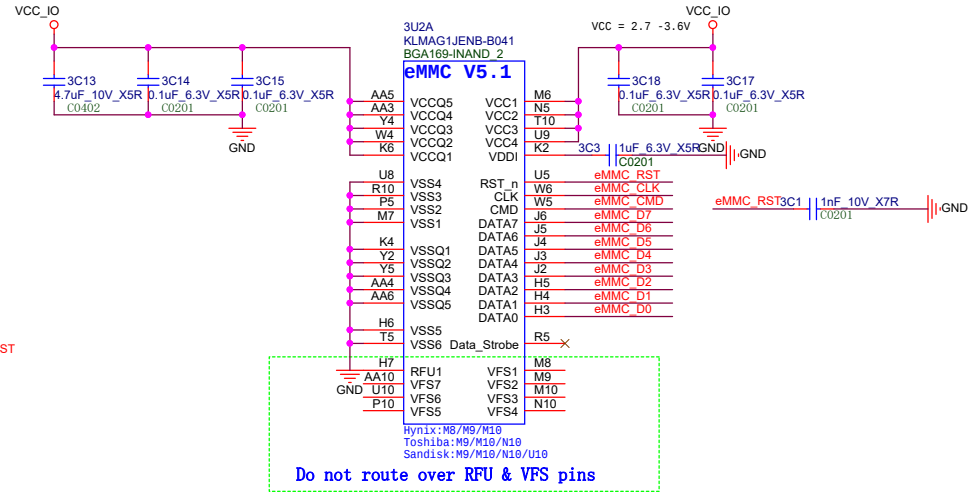
SPI Flash

Remind: Refer to the latest AVL for parts selection.

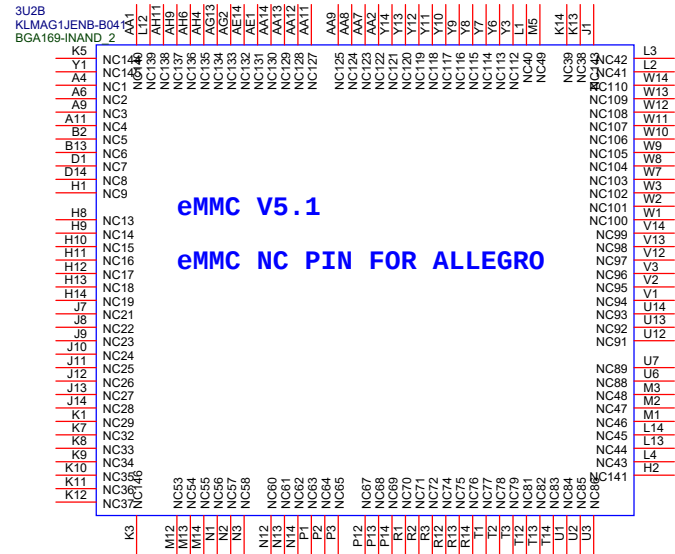


eMMC

PCB Decal:169pin balls Type(BGA)



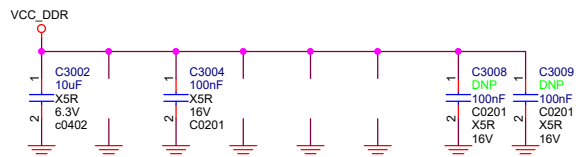
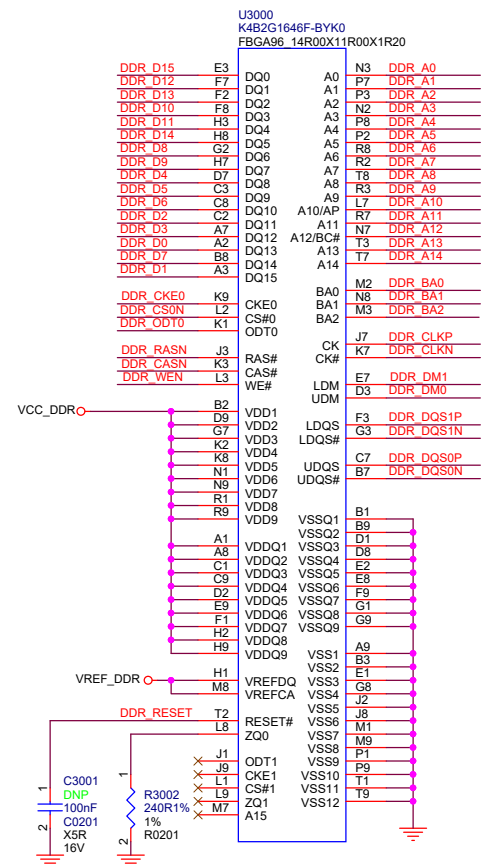
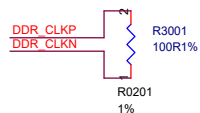
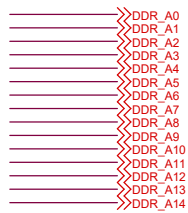
Do not route over RFU & VFS pins



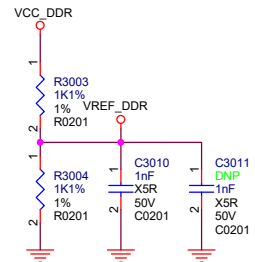
eMMC V5.1
eMMC NC PIN FOR ALLEGRO

DDR3 1x16bit

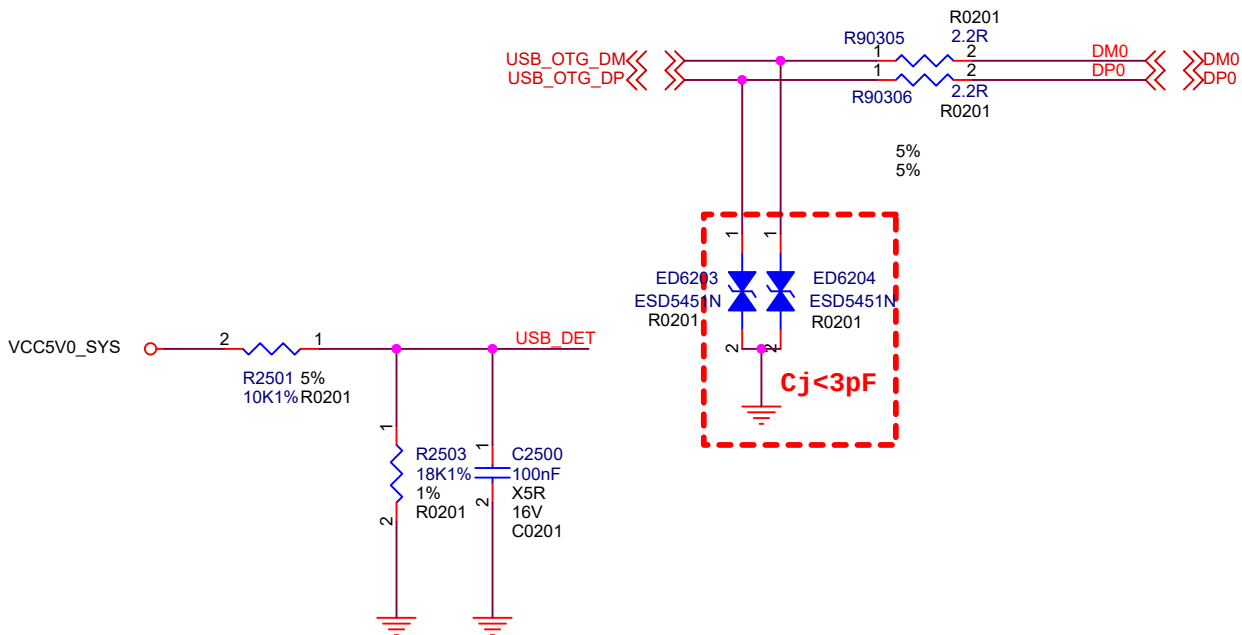
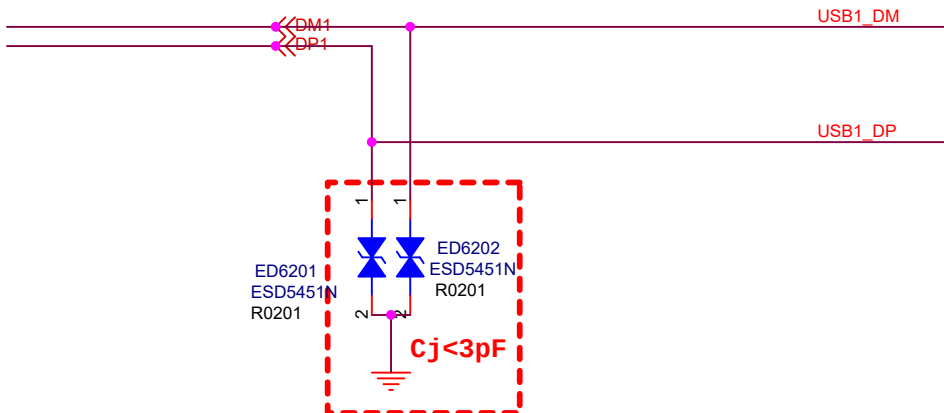
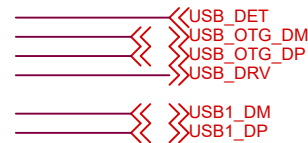
Remind: Refer to the latest AVL for parts selection.

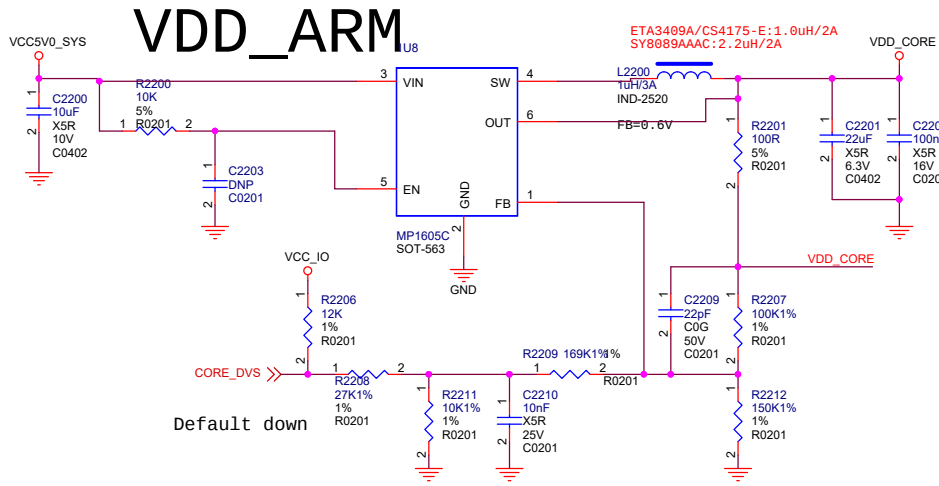


Note: All the Power filter capacitors should be placed close to the power pins of DDR3



USB OTG

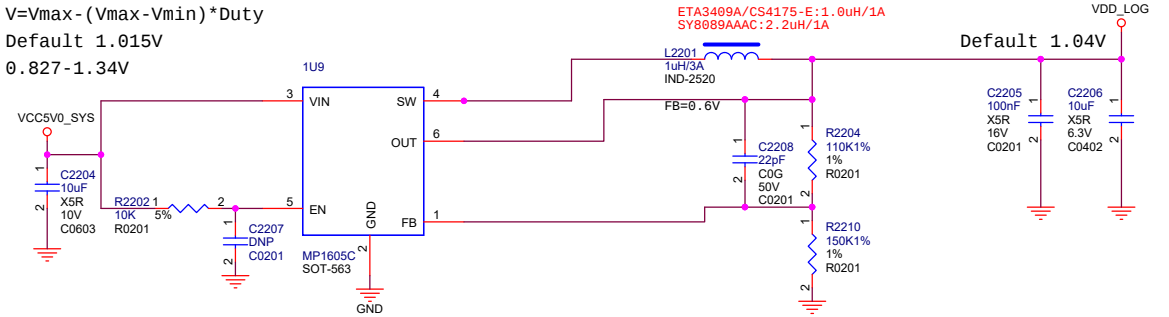




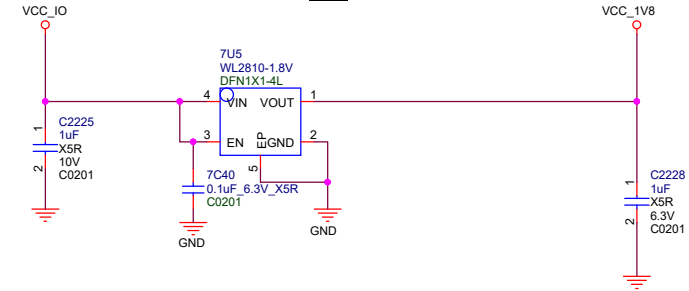
$$V = V_{max} - (V_{max} - V_{min}) * \text{Duty}$$

Default 1.015V
0.827-1.34V

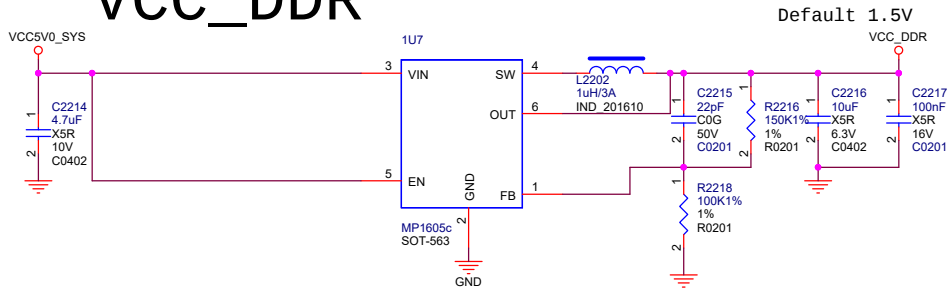
VDD_LOG



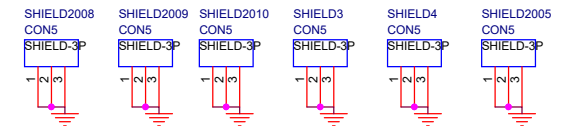
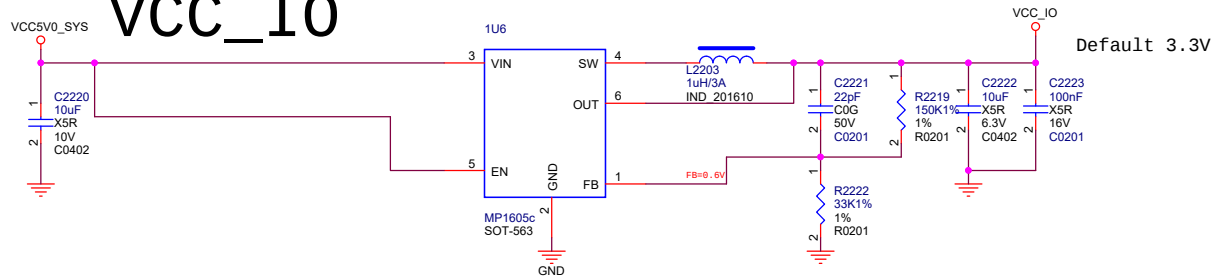
VCC_1V8



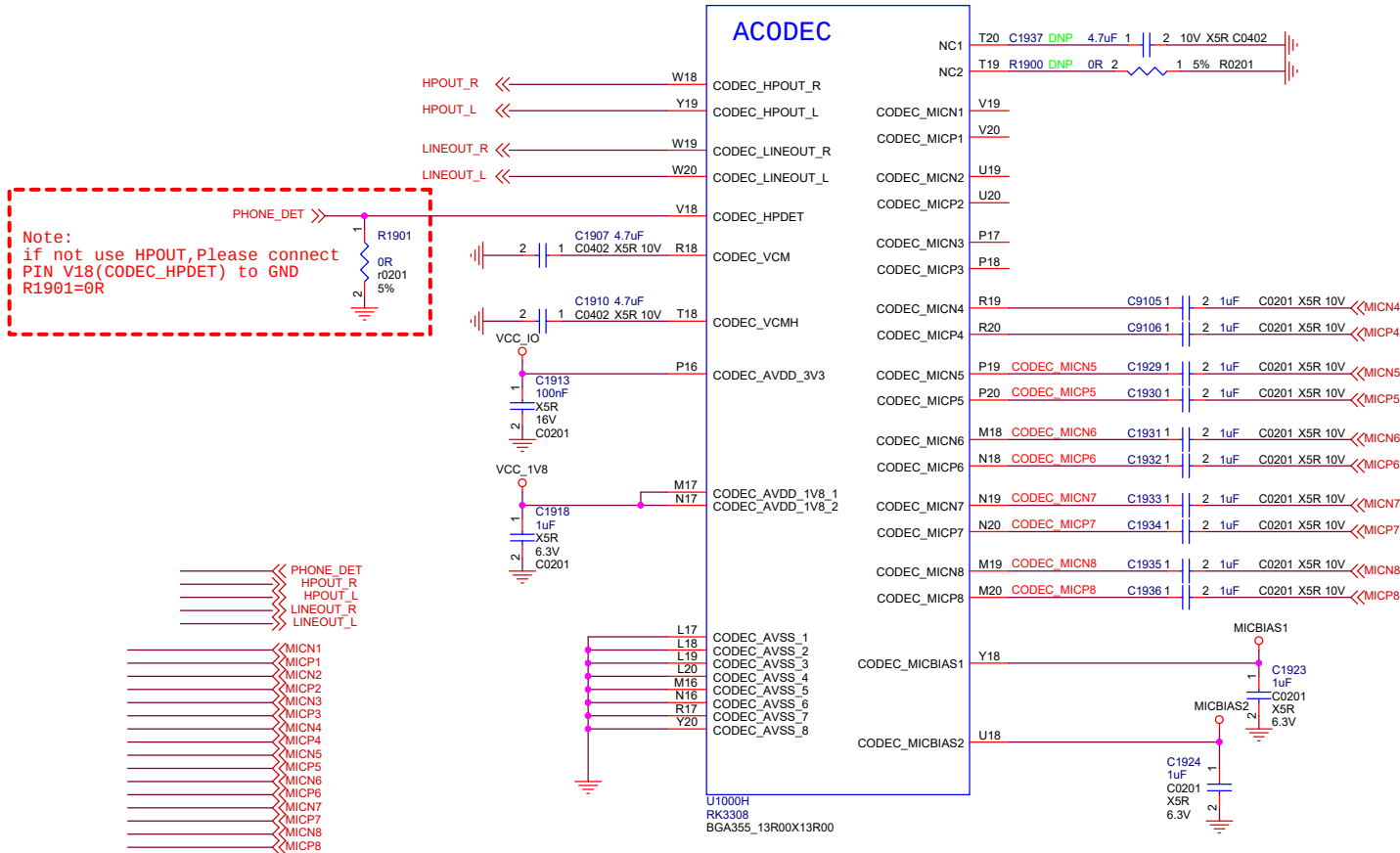
VCC_DDR



VCC_IO

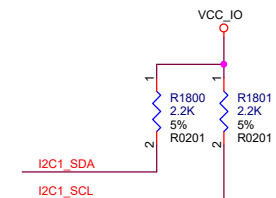
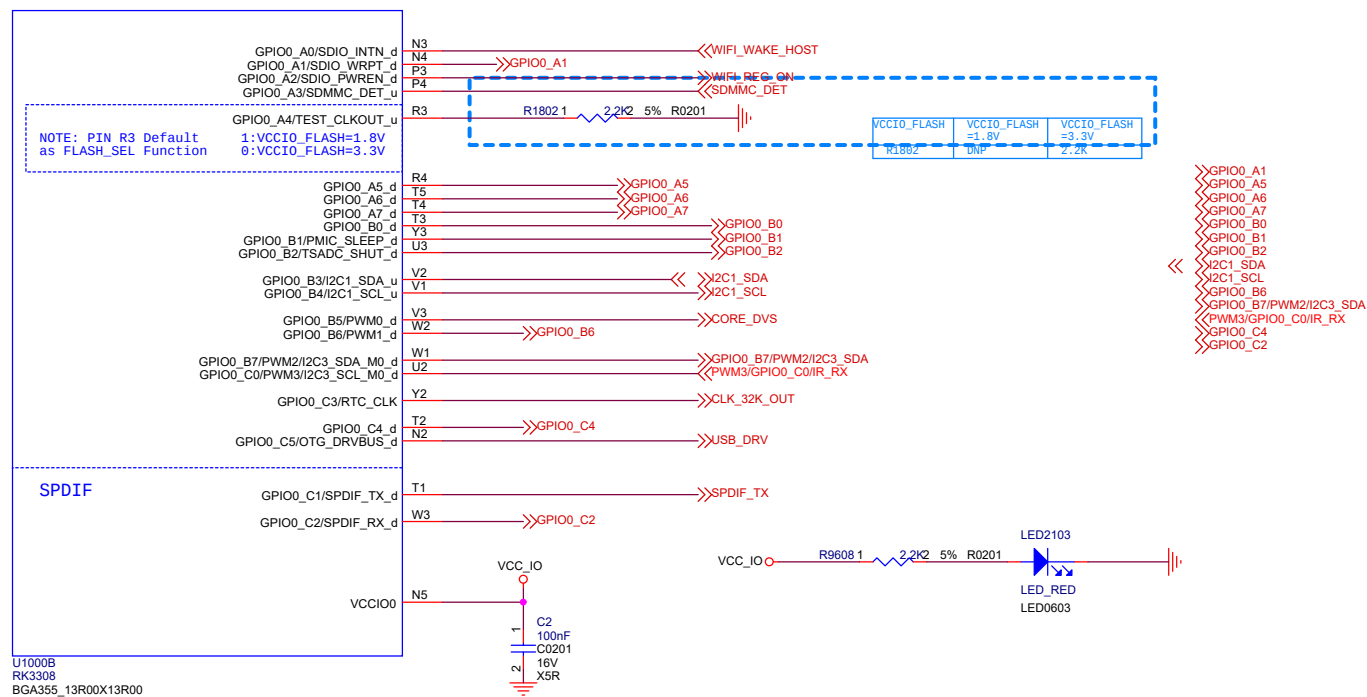


RK3308 Part-H

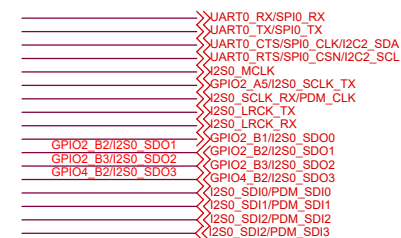
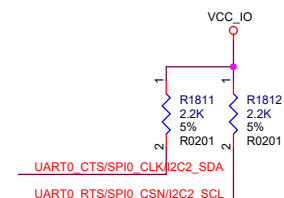
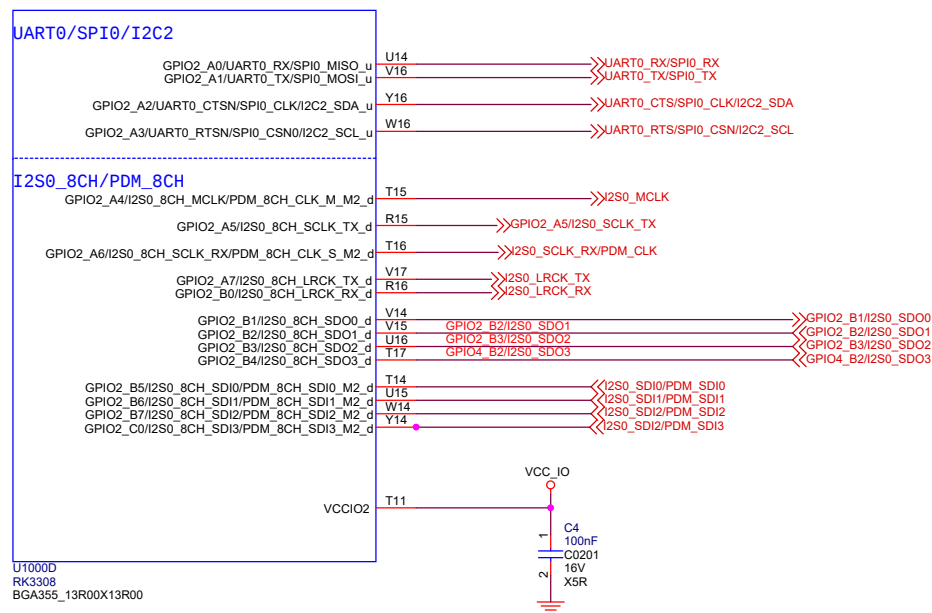


Application scene	MIC IN Channel	Loopback Channel
6MIC IN+ 2Speaker OUT	MIC3～MIC8	MIC1～MIC2
6MIC IN+ 1Speaker OUT	MIC3～MIC8	
5MIC IN+ 2Speaker OUT	MIC4～MIC8	
5MIC IN+ 1Speaker OUT	MIC4～MIC8	
4MIC IN+ 2Speaker OUT	MIC5～MIC8	
4MIC IN+ 1Speaker OUT	MIC5～MIC8	
3MIC IN+ 1Speaker OUT	MIC6～MIC8	
2MIC IN+ 1Speaker OUT	MIC7～MIC8	

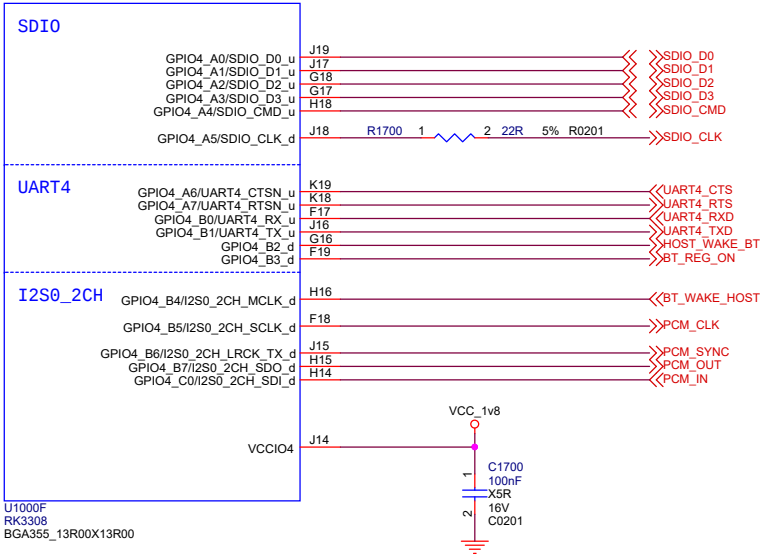
RK3308 Part-B



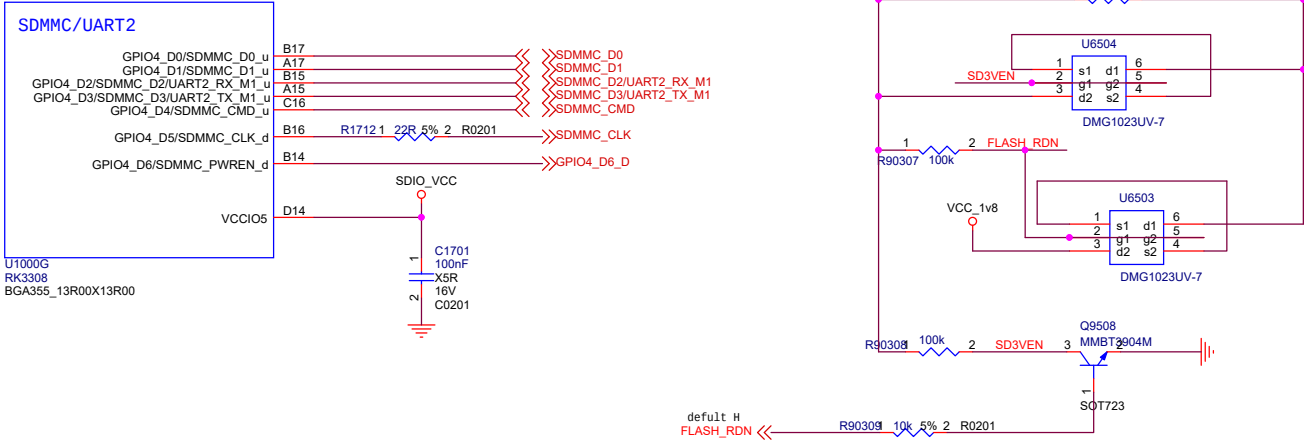
RK3308 Part-D



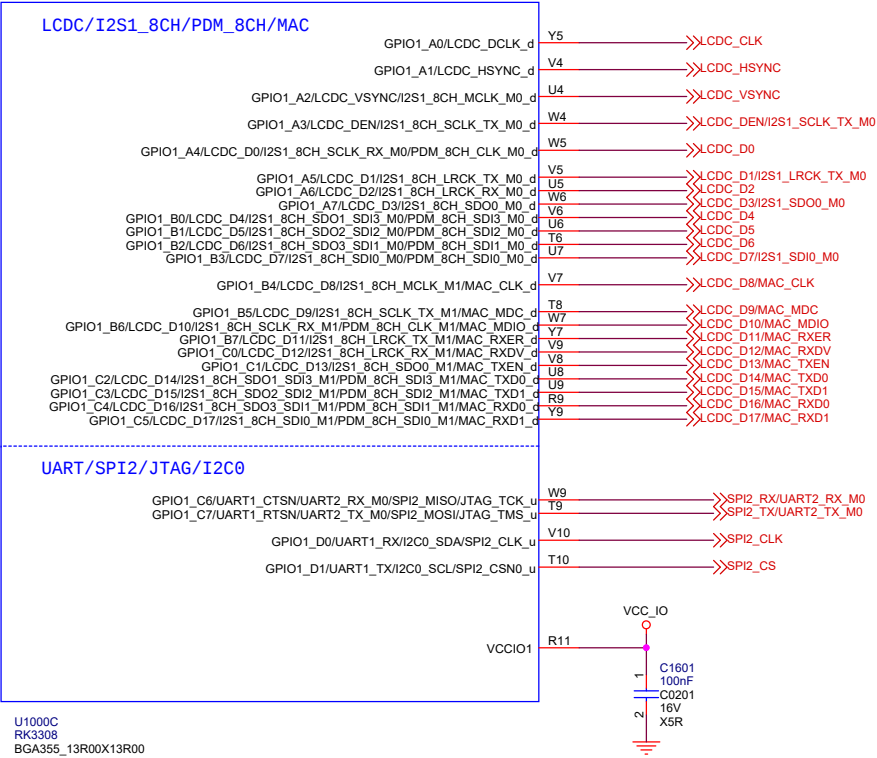
RK3308 Part-F



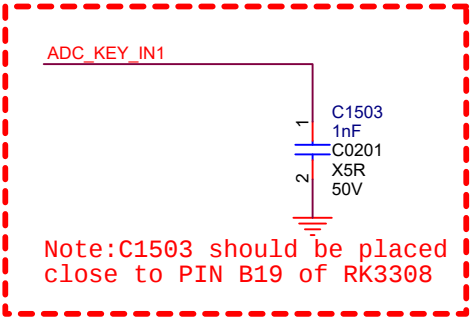
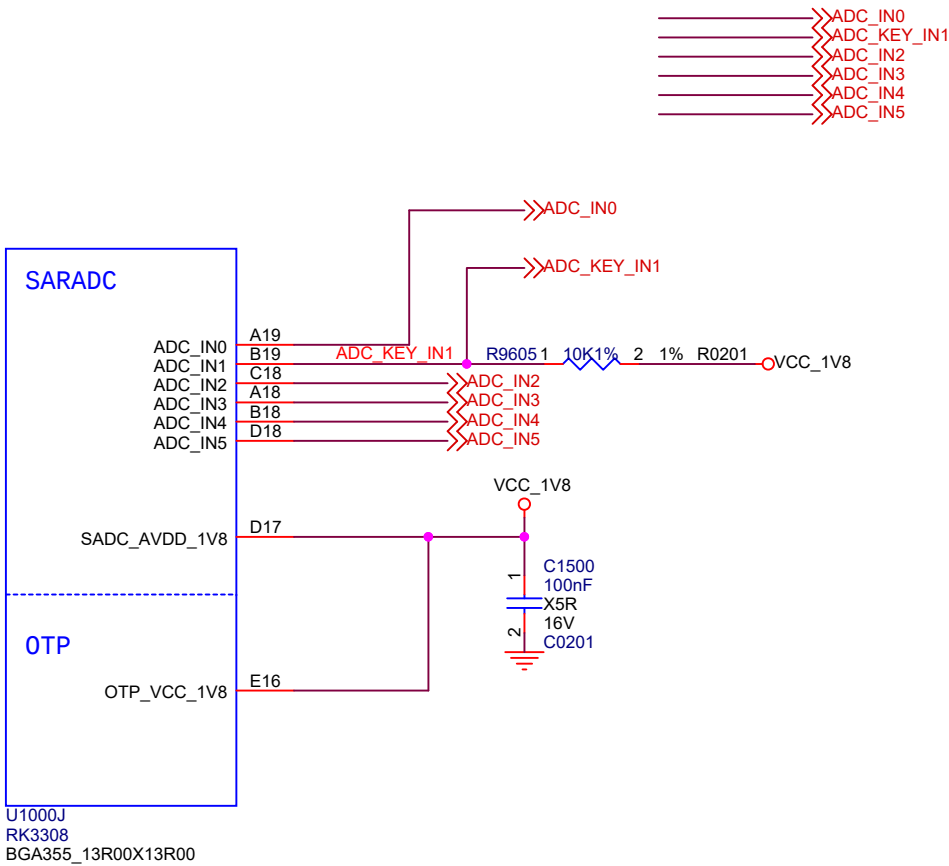
RK3308 Part-G



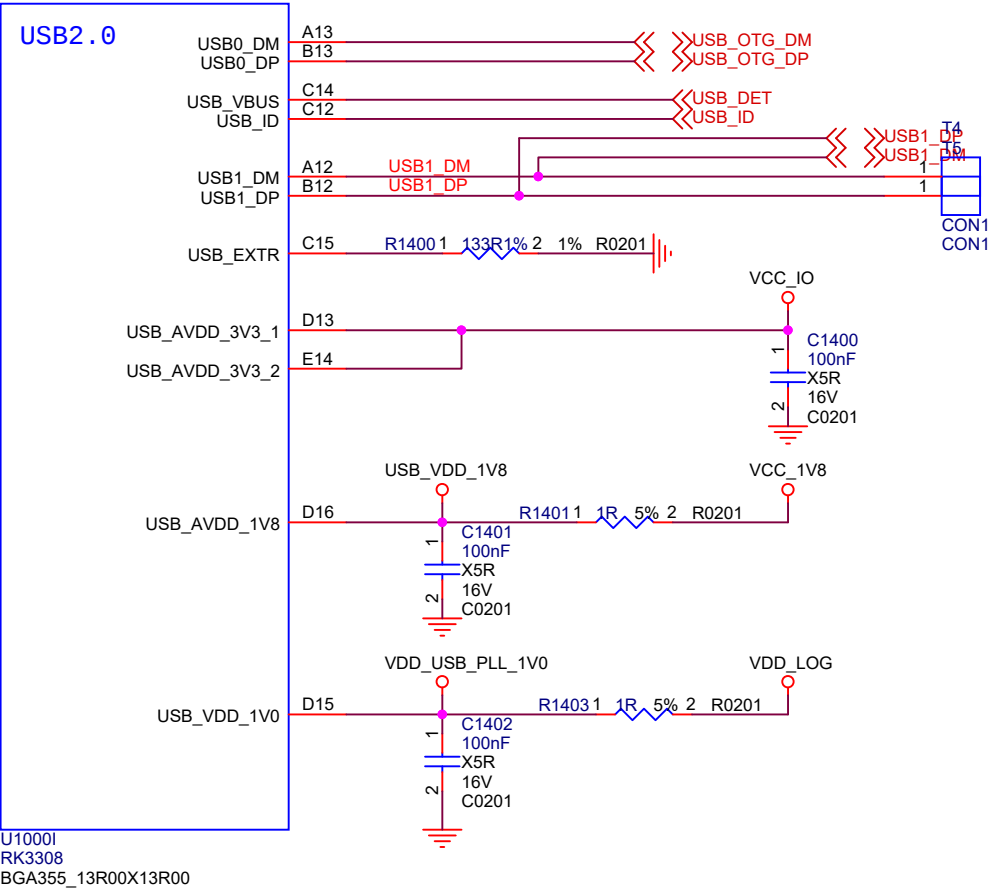
RK3308 Part-C



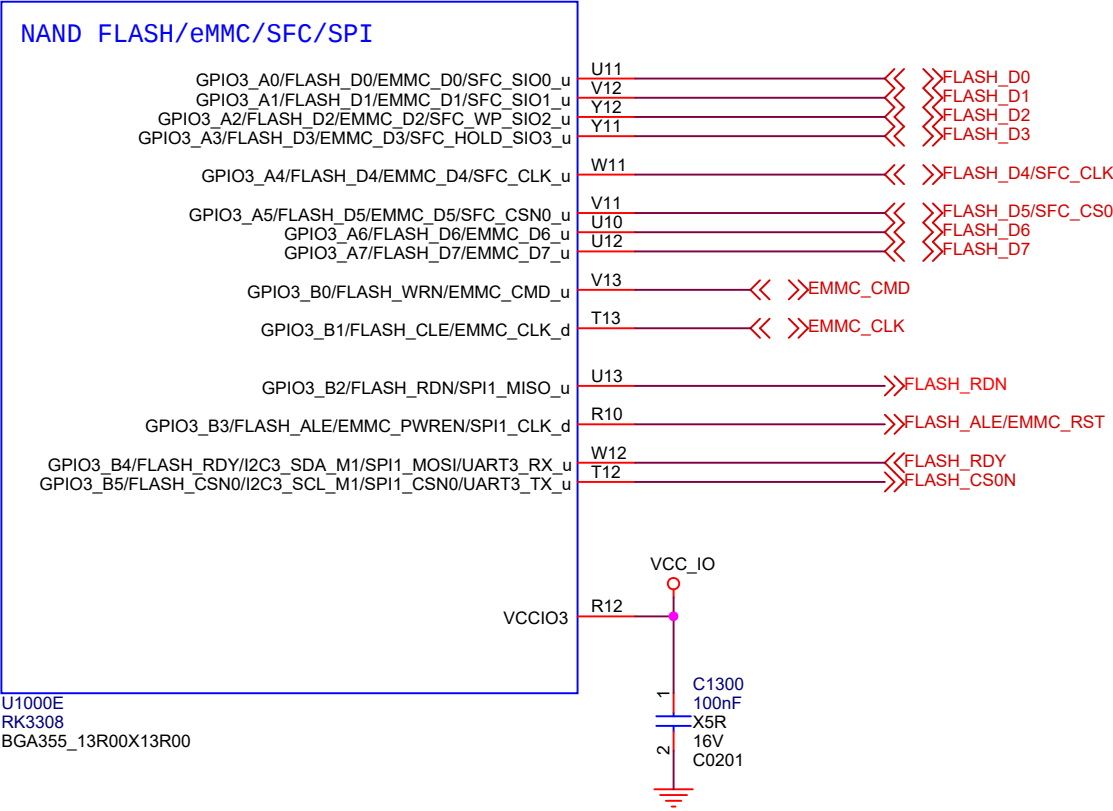
RK3308 Part-J



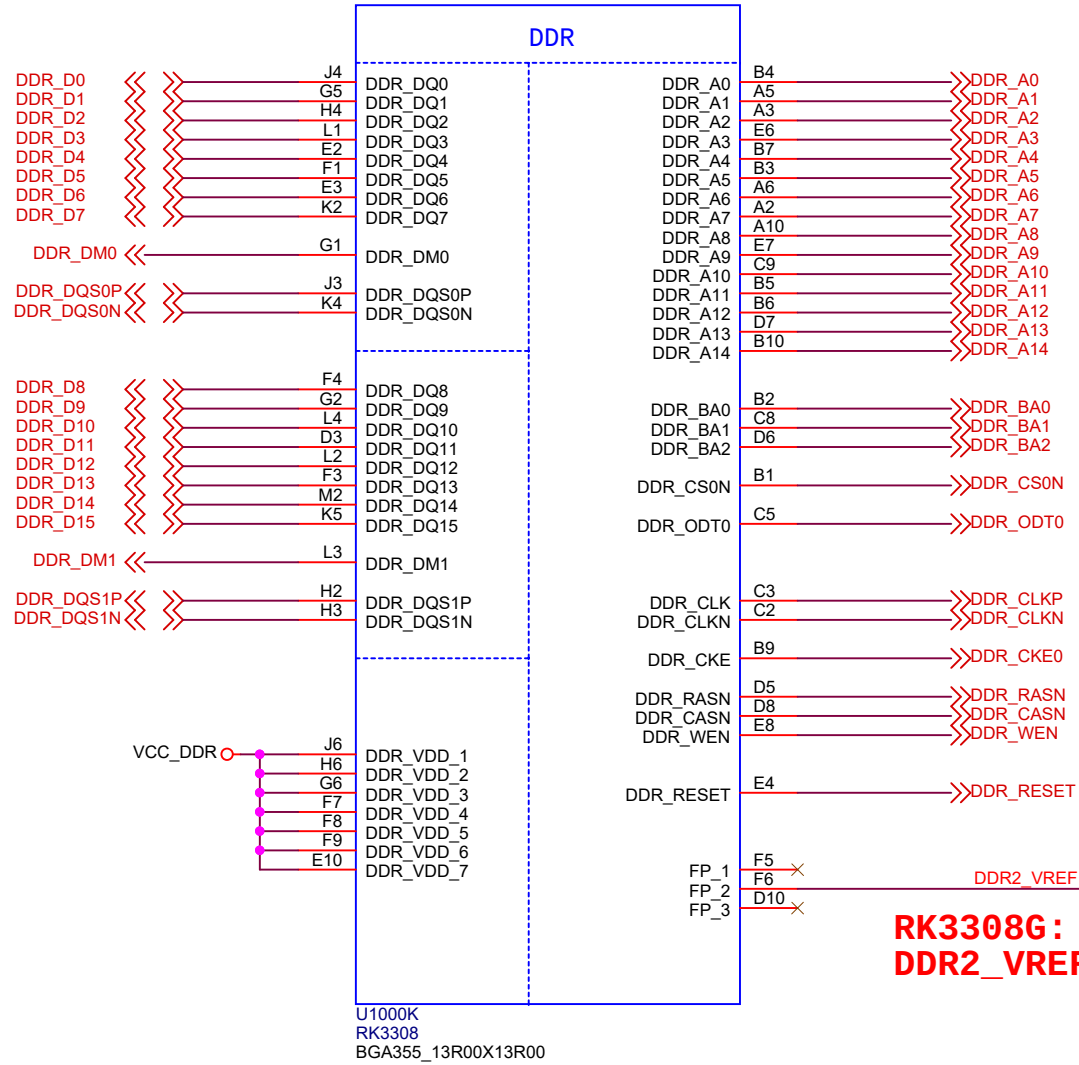
RK3308 Part-I



RK3308 Part-E

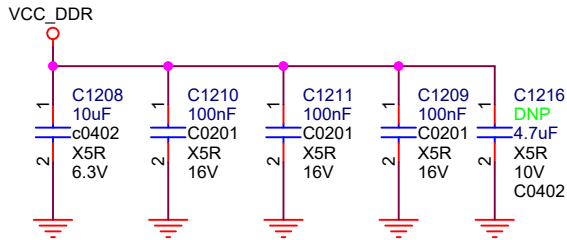


RK3308 Part-K



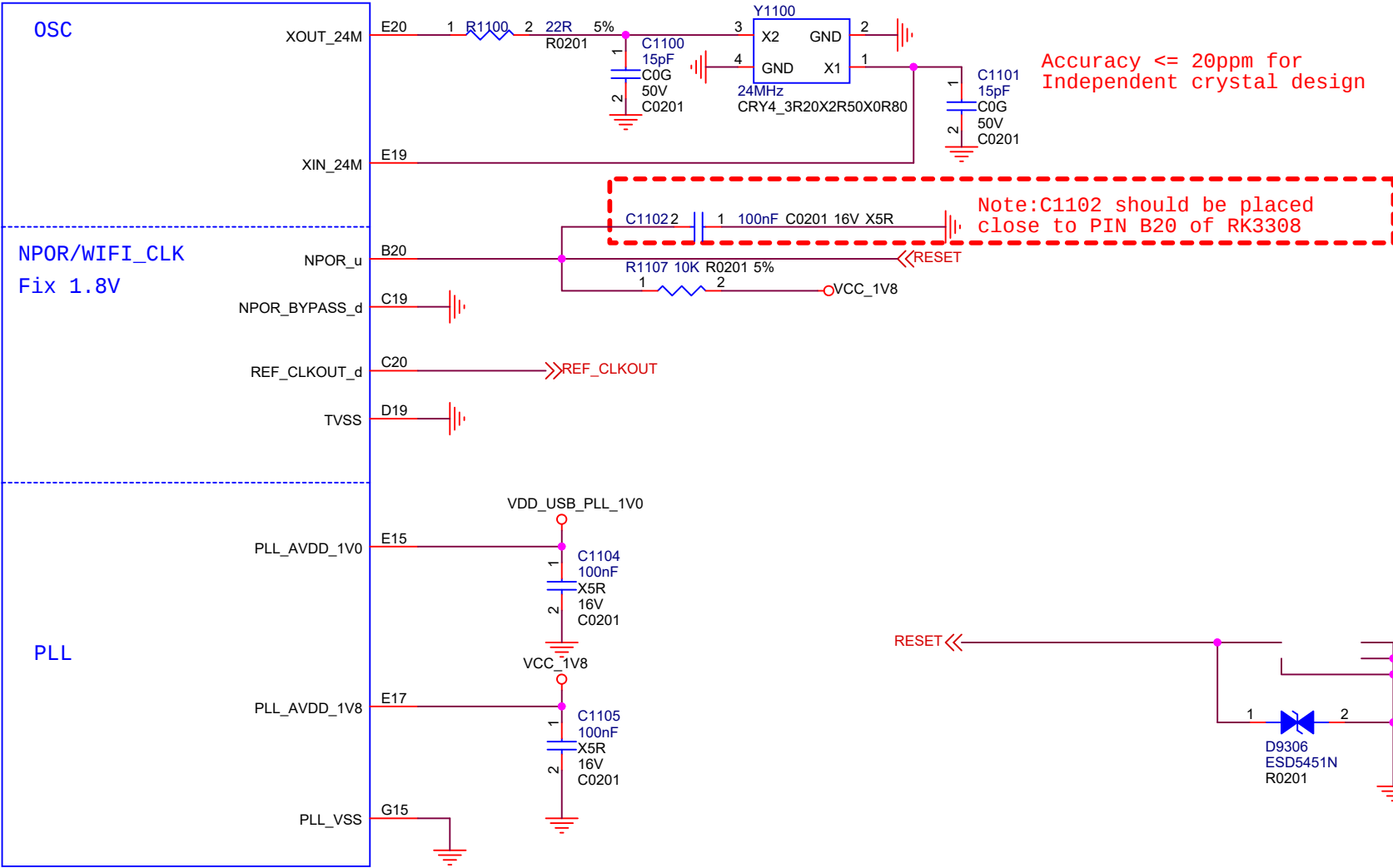
Note: Reserver for RK3308G

Power Filter



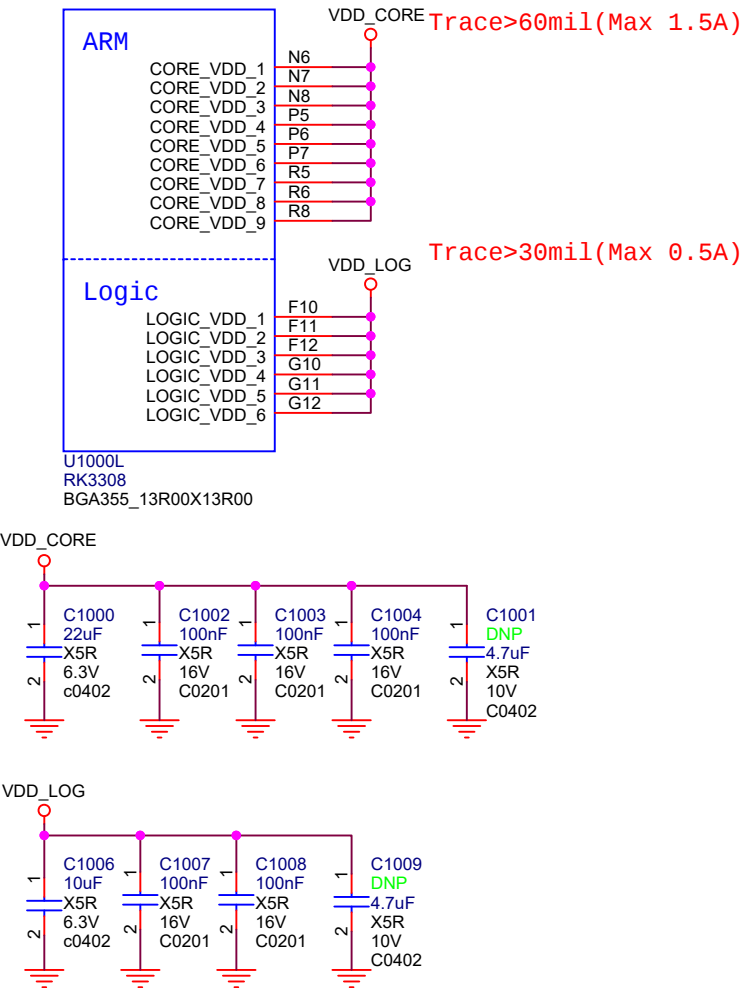
Note: All the Power filter capacitors should be placed close to the power pins of RK3308

RK3308 Part-A



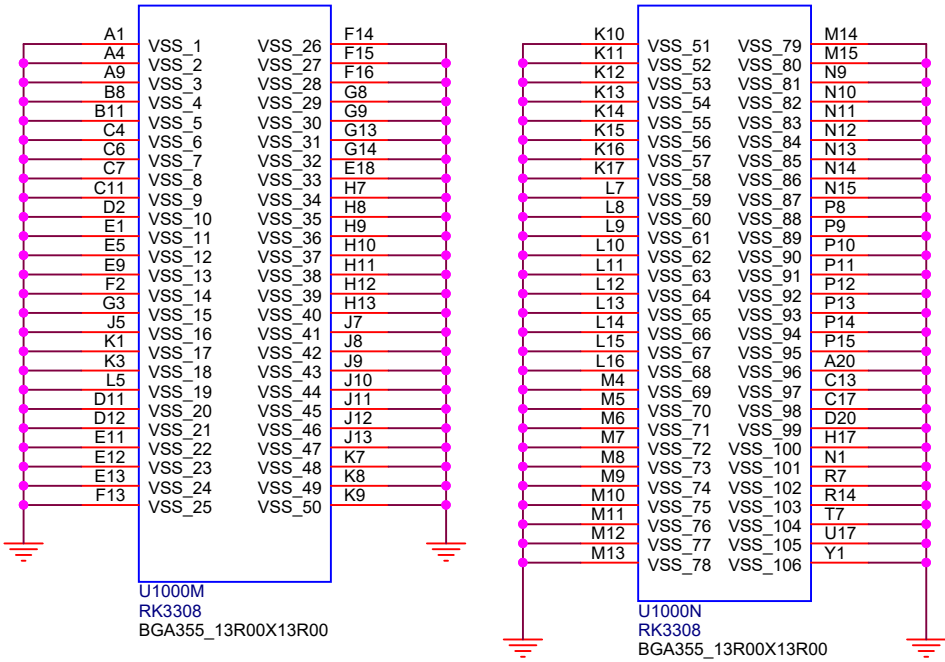
U1000A
RK3308
BGA355_13R00X13R00

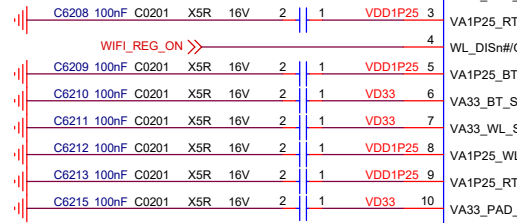
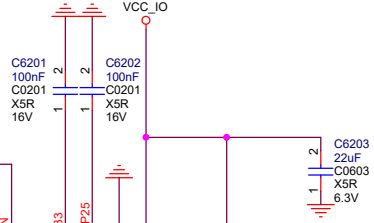
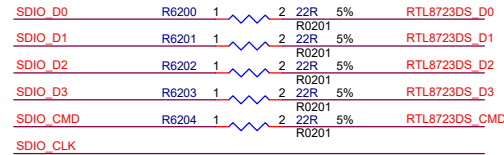
RK3308 Part-L



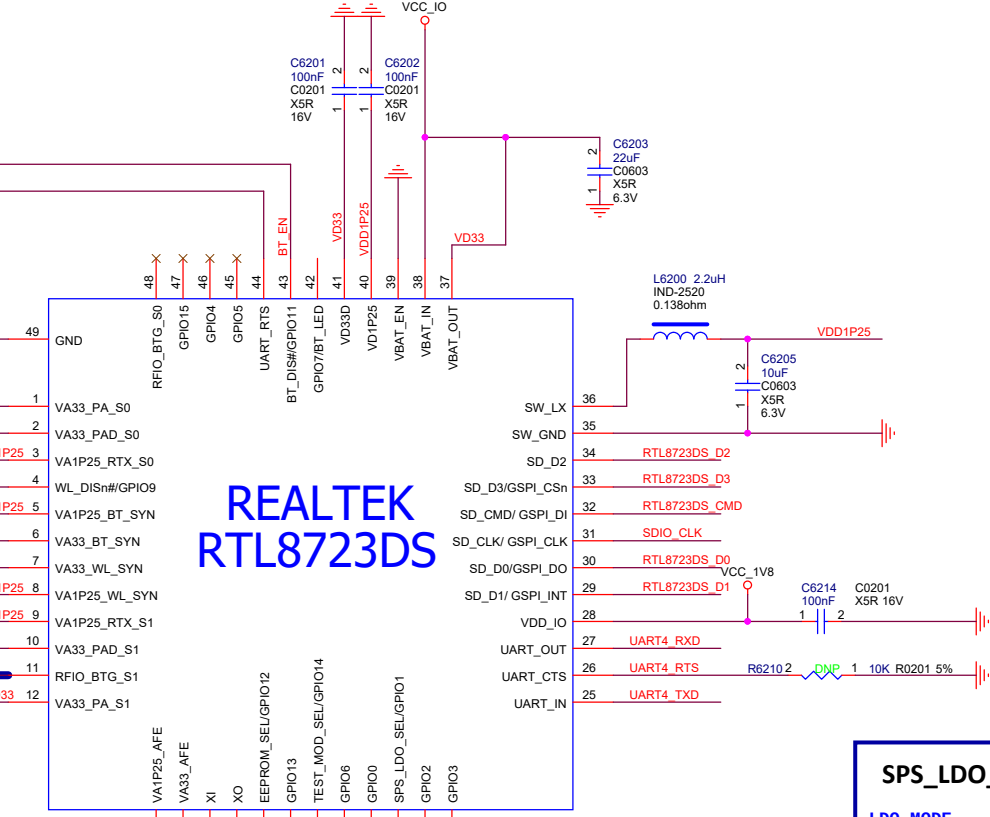
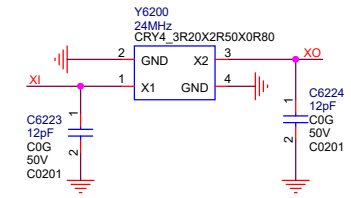
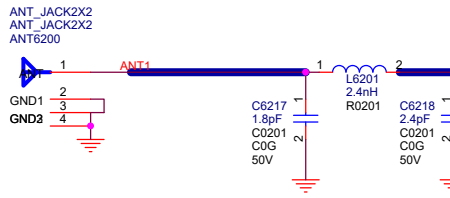
Note: All the Power filter capacitors should be placed close to the power pins of RK3308

RK3308 Part-N





REALTEK RTL8723DS



SPS_LDO_SEL

LDO_MODE:
R6214=100K R6216=DNP L6200=0R

SPS_MODE:
R6214=DNP R6216=100K L6200=2.2uH

