

U1I	
MGTHRXN0_226	H1
MGTHRXN1_226	F1
MGTHRXN2_226	E3
MGTHRXN3_226	H0
MGTHRXPO_226	G4
MGTHRXP1_226	F4
MGTHRXP2_226	F2
MGTHRXP3_226	G7
MGHTXN0_226	H5
MGHTXN1_226	F5
MGHTXN2_226	E7
MGHTXN3_226	H6
MGHTXP0_226	G8
MGHTXP1_226	F6
MGHTXP2_226	F8
MGHTXP3_226	H9
MGTRFCLK0N_226	H10
MGTRFCLK0P_226	F9
MGTRFCLK1N_226	F10
MGTRFCLK1P_226	

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U1G	
MGTHRXN0_224	V1
MGTHRXN1_224	U3
MGTHRXN2_224	T1
MGTHRXN3_224	V2
MGTHRXPO_224	T2
MGTHRXP1_224	U4
MGTHRXP2_224	P2
MGTHRXP3_224	T2
MGHTXN0_224	V3
MGHTXN1_224	T5
MGHTXN2_224	R3
MGHTXN3_224	V3
MGHTXP0_224	V6
MGHTXP1_224	W4
MGHTXP2_224	T6
MGHTXP3_224	R7
MGTRFCLK0N_224	R8
MGTRFCLK0P_224	N7
MGTRFCLK1N_224	N8
MGTRFCLK1P_224	X8
MGTRREF_R	
MGTAVTTRCAL_R	

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U1H	
MGTHRXN0_225	N3
MGTHRXN1_225	M1
MGTHRXN2_225	K1
MGTHRXN3_225	J3
MGTHRXPO_225	M2
MGTHRXP1_225	K2
MGTHRXP2_225	M2
MGTHRXP3_225	J4
MGHTXN0_225	P5
MGHTXN1_225	L3
MGHTXN2_225	K3
MGHTXN3_225	M5
MGHTXP0_225	L3
MGHTXP1_225	P6
MGHTXP2_225	M6
MGHTXP3_225	L4
MGTRFCLK0N_225	K6
MGTRFCLK0P_225	L7
MGTRFCLK1N_225	L6
MGTRFCLK1P_225	J7
MGTRFCLK1P_225	J8

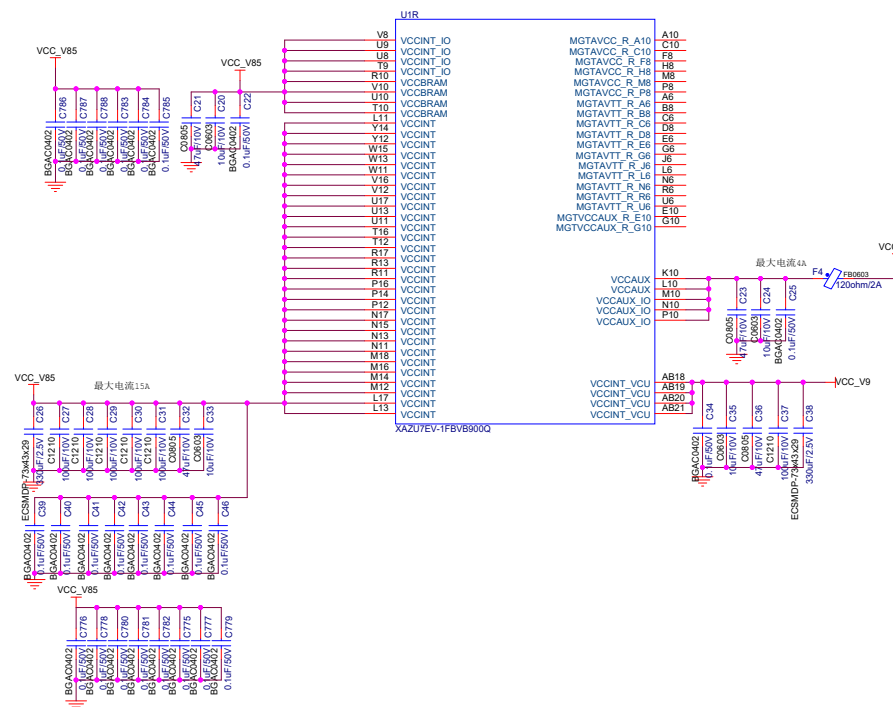
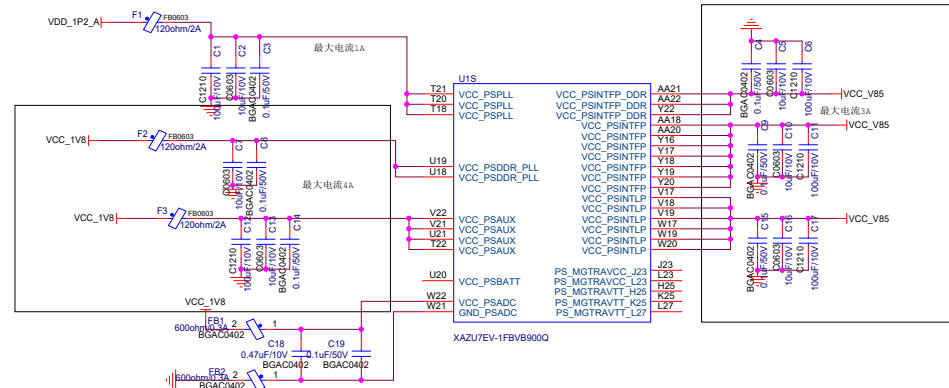
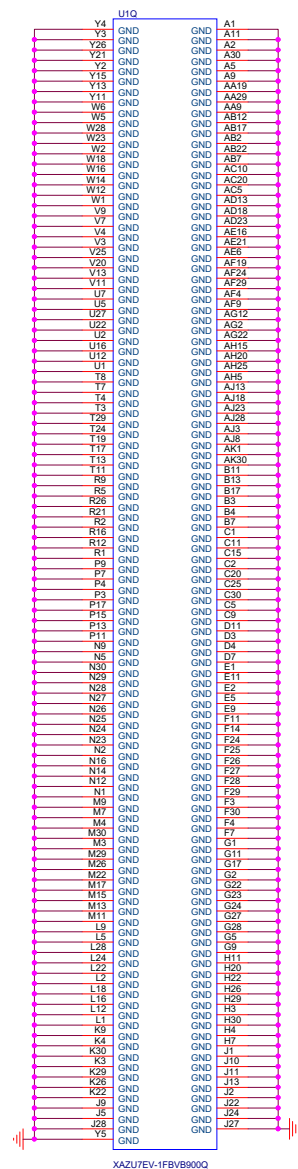
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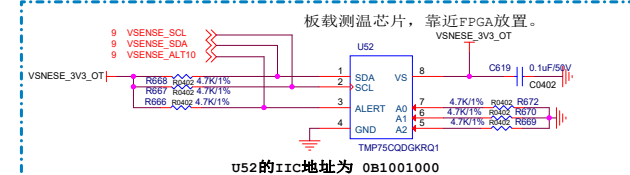
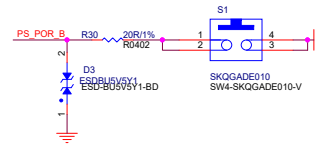
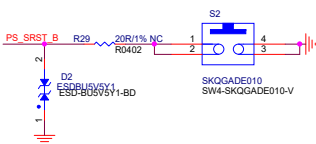
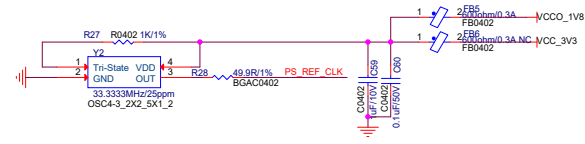
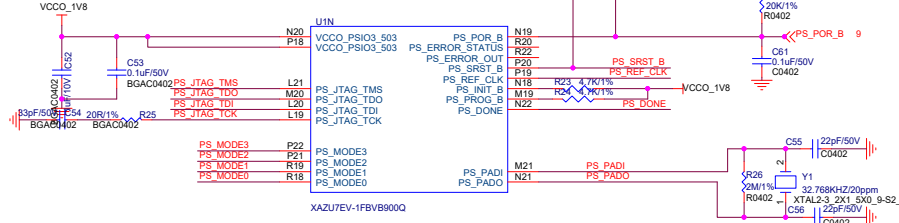
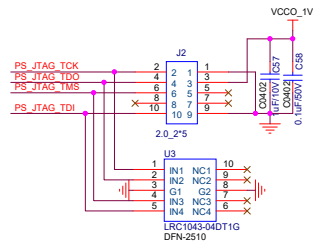
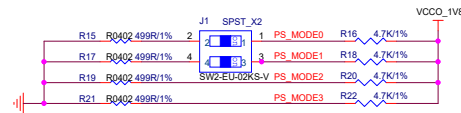
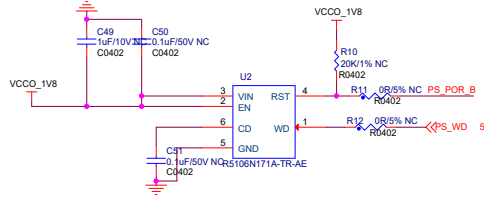
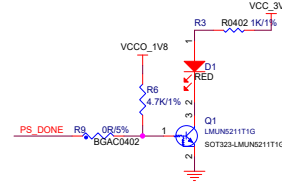
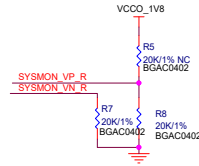
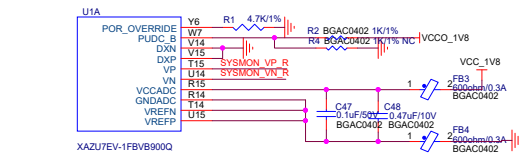
U1J	
MGTHRXN0_227	D1
MGTHRXN1_227	C3
MGTHRXN2_227	B1
MGTHRXN3_227	A3
MGTHRXPO_227	D2
MGTHRXP1_227	C4
MGTHRXP2_227	A4
MGTHRXP3_227	D5
MGHTXN0_227	C7
MGHTXN1_227	B5
MGHTXN2_227	A7
MGHTXN3_227	D6
MGHTXP0_227	C8
MGHTXP1_227	B6
MGHTXP2_227	A8
MGHTXP3_227	D9
MGTRFCLK0N_227	D10
MGTRFCLK0P_227	B9
MGTRFCLK1N_227	B10
MGTRFCLK1P_227	

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U1P	
PS_MGTRRXN0_505	L30
PS_MGTRRXN1_505	H28
PS_MGTRRXN2_505	G30
PS_MGTRRXN3_505	L29
PS_MGTRRXPO_505	J29
PS_MGTRRXP1_505	H27
PS_MGTRRXP2_505	G29
PS_MGTRRXP3_505	M28
PS_MGTRTXN0_505	K28
PS_MGTRTXN1_505	J26
PS_MGTRTXN2_505	G26
PS_MGTRTXN3_505	M27
PS_MGTRTXPO_505	K27
PS_MGTRTXP1_505	J25
PS_MGTRTXP2_505	G25
PS_MGTRTXP3_505	M24
PS_MGTRFCLK0N_505	M23
PS_MGTRFCLK0P_505	L26
PS_MGTRFCLK1N_505	L25
PS_MGTRFCLK1P_505	K24
PS_MGTRFCLK2N_505	K23
PS_MGTRFCLK2P_505	H24
PS_MGTRFCLK3N_505	H23
PS_MGTRFCLK3P_505	M25
PS_MGTRREF_505	

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Schematic by Yangyunbo			
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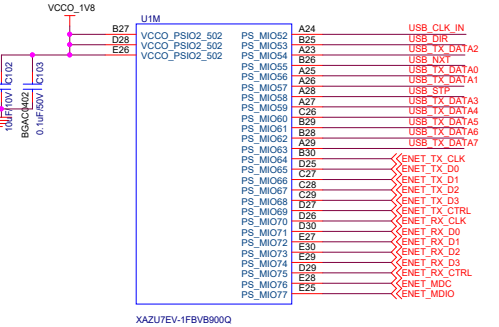
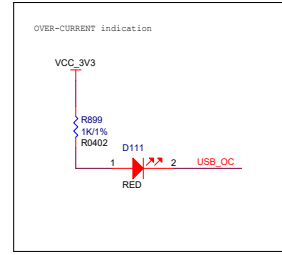
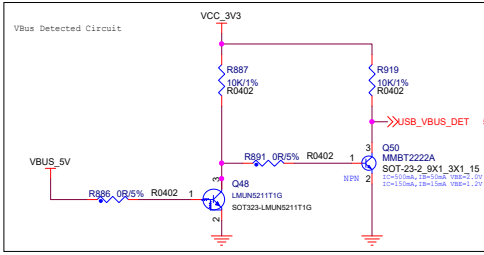
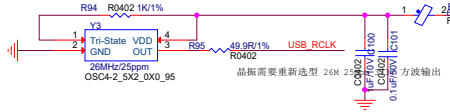
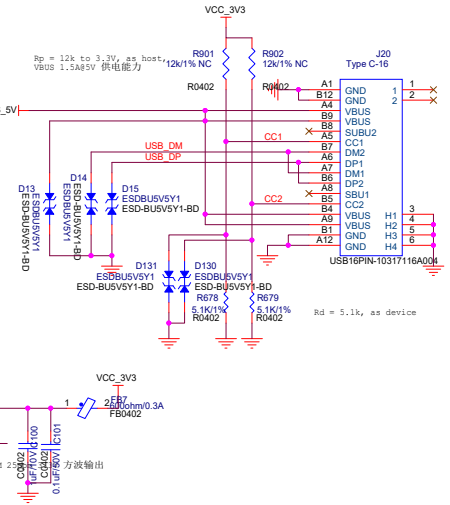
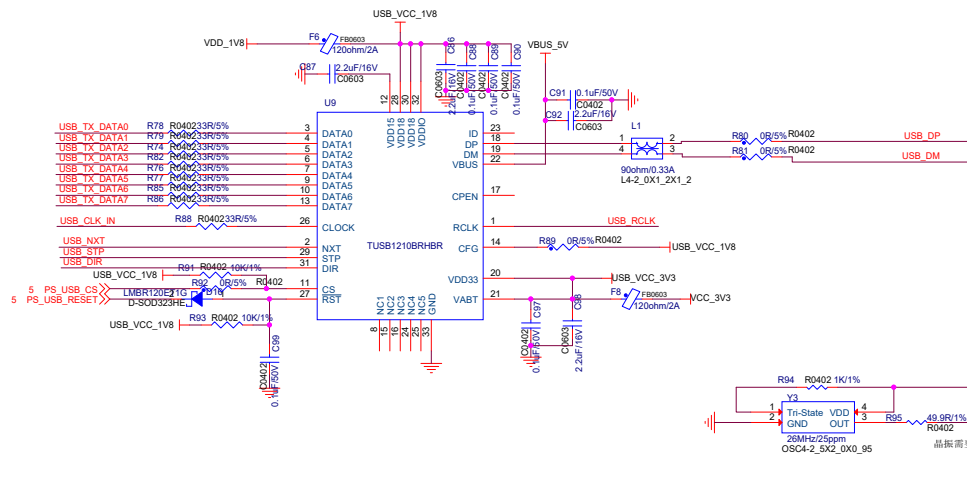
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U6

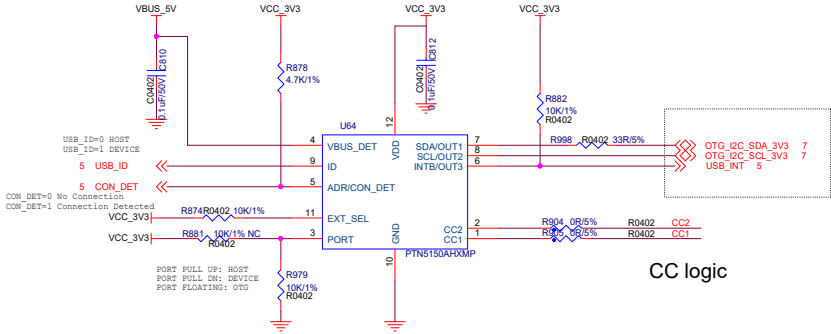
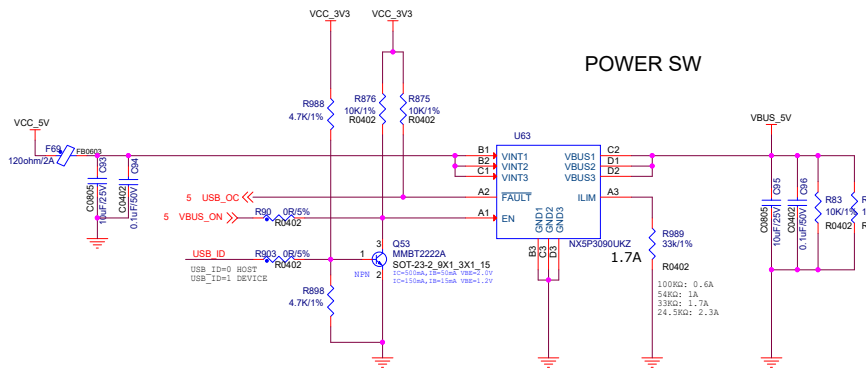
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SCLK	
SI/SIO0	
SO/SIO1	
WP/SIO2	
HOLD/SIO3	GND
	GND

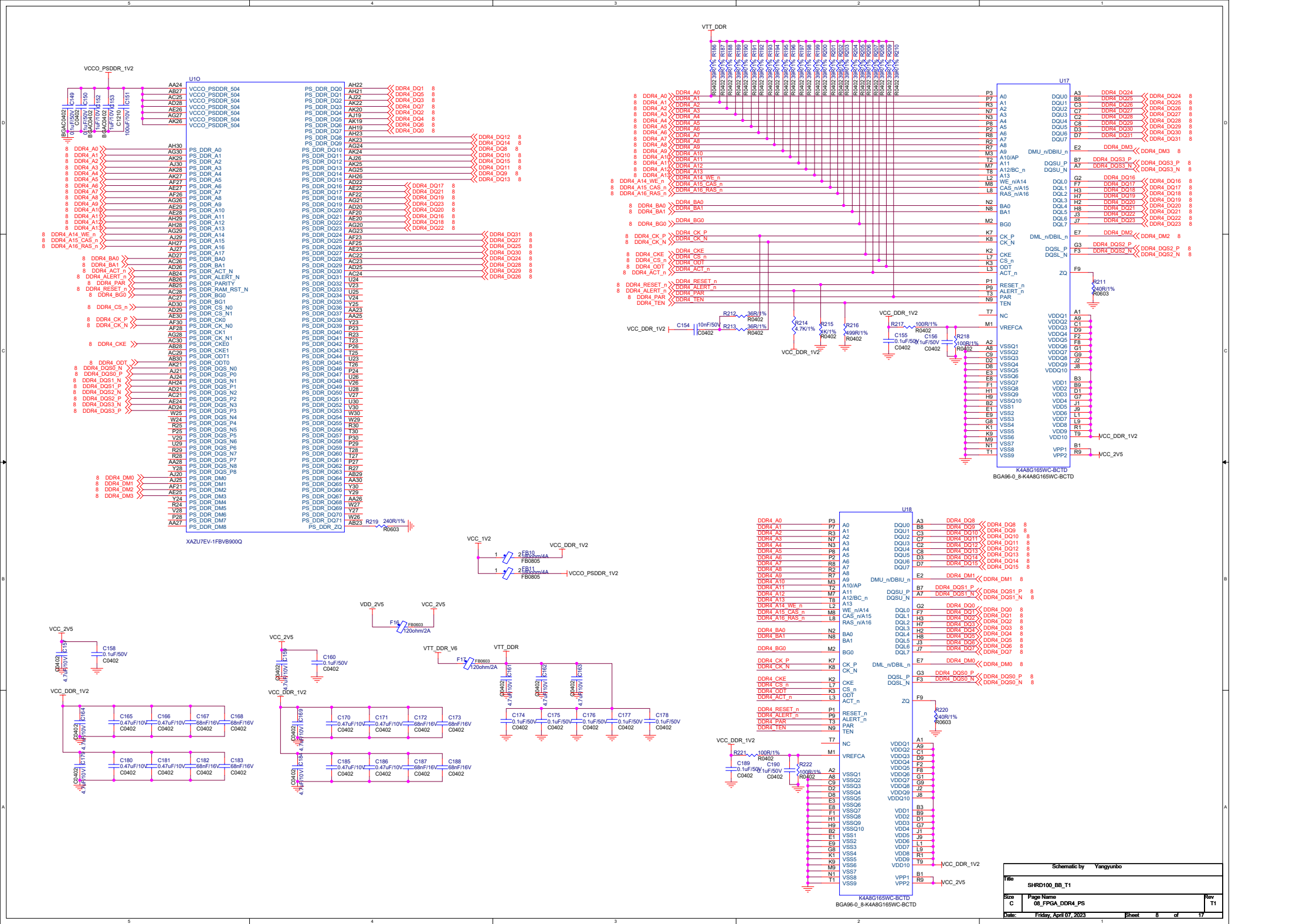
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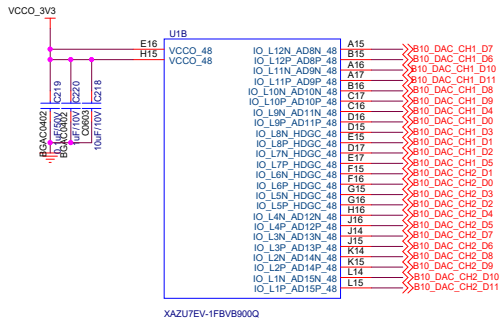
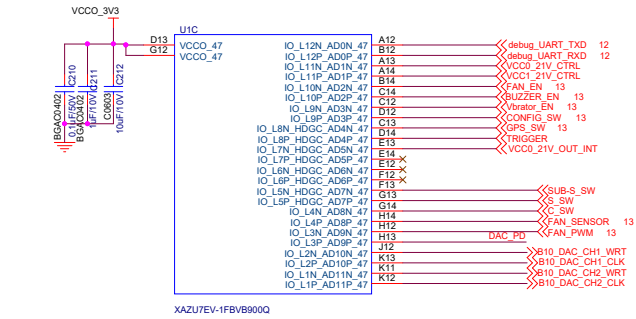
Schematic by Yangyunbo

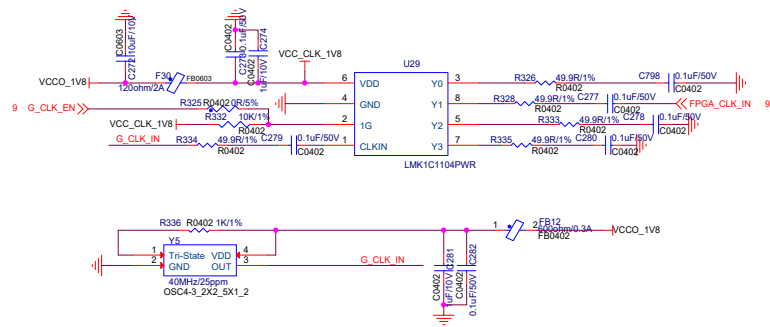


POWER SW

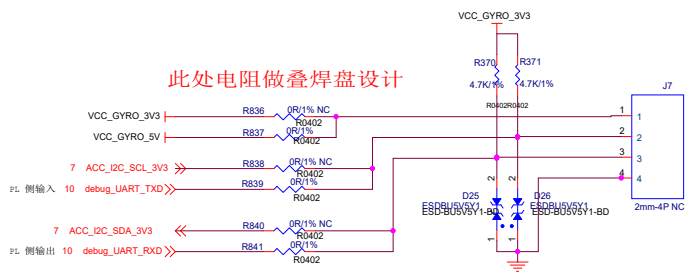
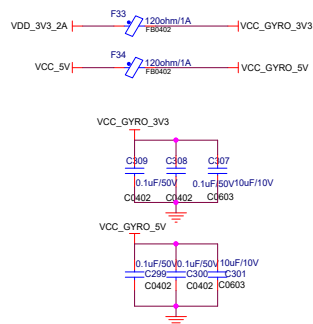


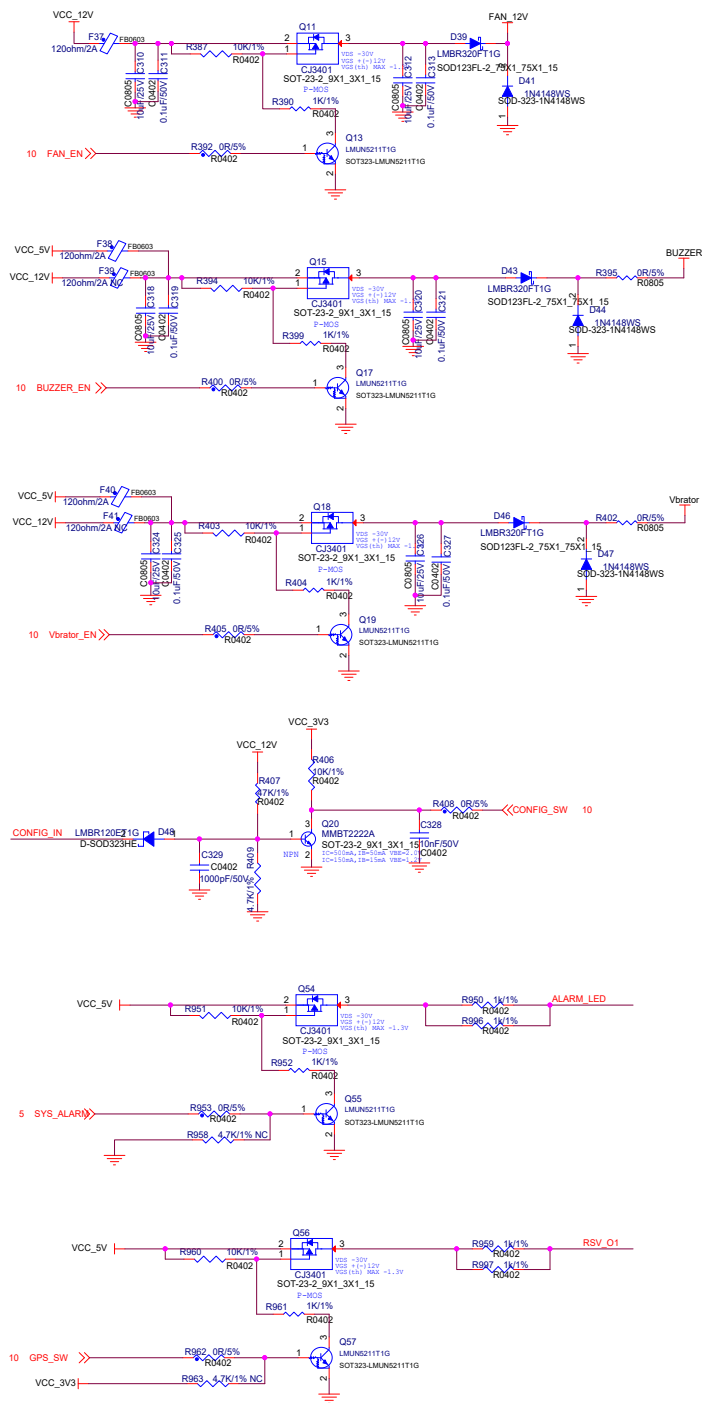


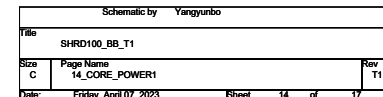


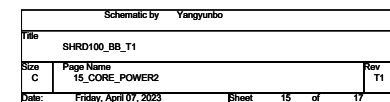


电子罗盘+陀螺仪









本版在 AEAG100 CORE T4 基础上，主要修改点如下：

1、第5页：删除 SD 卡；删除 485接口 U5，U7；

2、第6页：删除以太网（U10，J6，Y4）；删除串口屏连接器 J5；USB 改成 OTG；

3、第7页：删除 GPS（U15，J26，U13）；U12,U14 型号更改为 LSF0204RUT0012A；新增 WIFI 对外连接器（J26，J27）；

4、第9页：删除开关滤波器（J19，U19）；U20,U51 型号更改为 LSF0204RUT0012A；增加对外预留电源和 IO 接口连接器 J31；

5、第10页：删除 DAC（U23，U24，U25，J10，J11，电源 U21，U22，R247，R249）；删除 J18，J19(开关滤波器接AD9361的Tx经信号板路由到功放)

6、第11页：除 Y5，U29 以外的电路全部删除；

7、第13页：删除到射频功放板连接器 J15；删除电源连接器（J25，U59，U60），改为2*3PIN，提供12V电源；对外接口连接器 J12 删除ON/OFF_SW，GPS_SW，TRIGGER_IN，改成PWR_LED，ALARM_LED，RSV_O1；

8、第14页：VCC_12V_PG信号改成由 12V 分压产生；

遗留问题：

1、功能简化后，SoC 型号可能有更优选择；

2、电源连接器 J2 更换成，不用接线端子；

3、VSNESE_3V3350T，VDD_3V3_2A 可以合并到其它3.3v电源网络