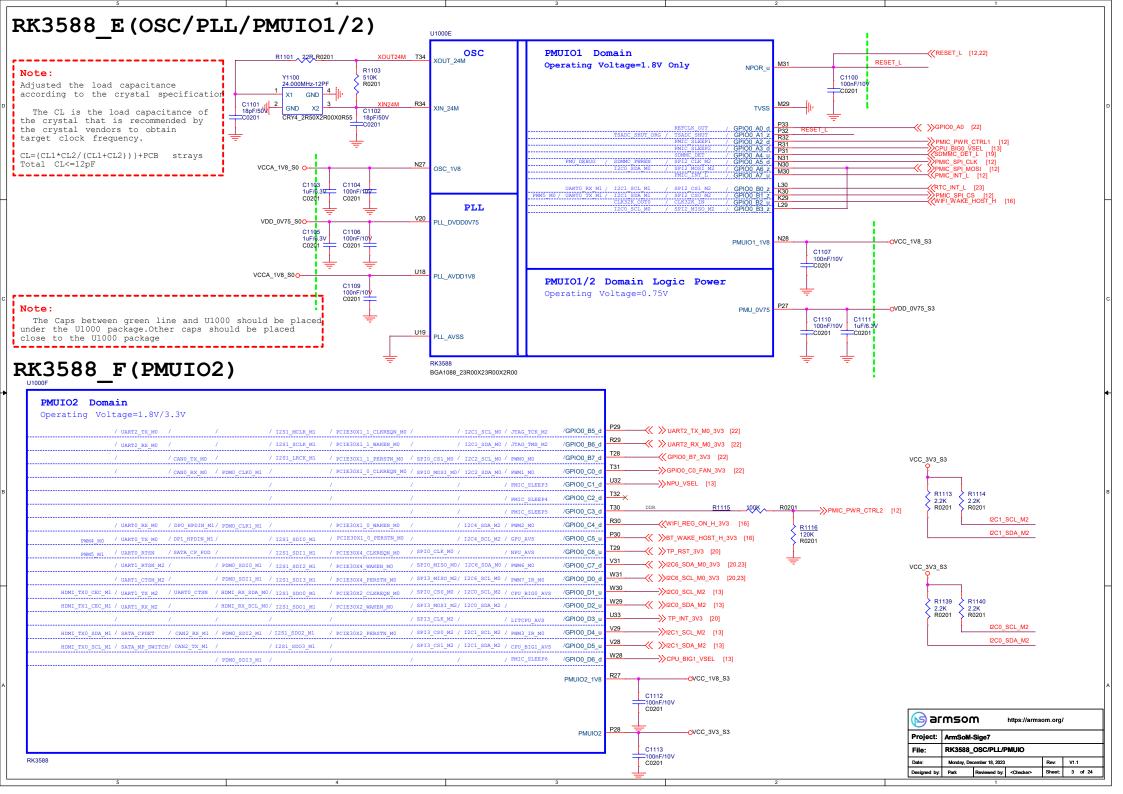
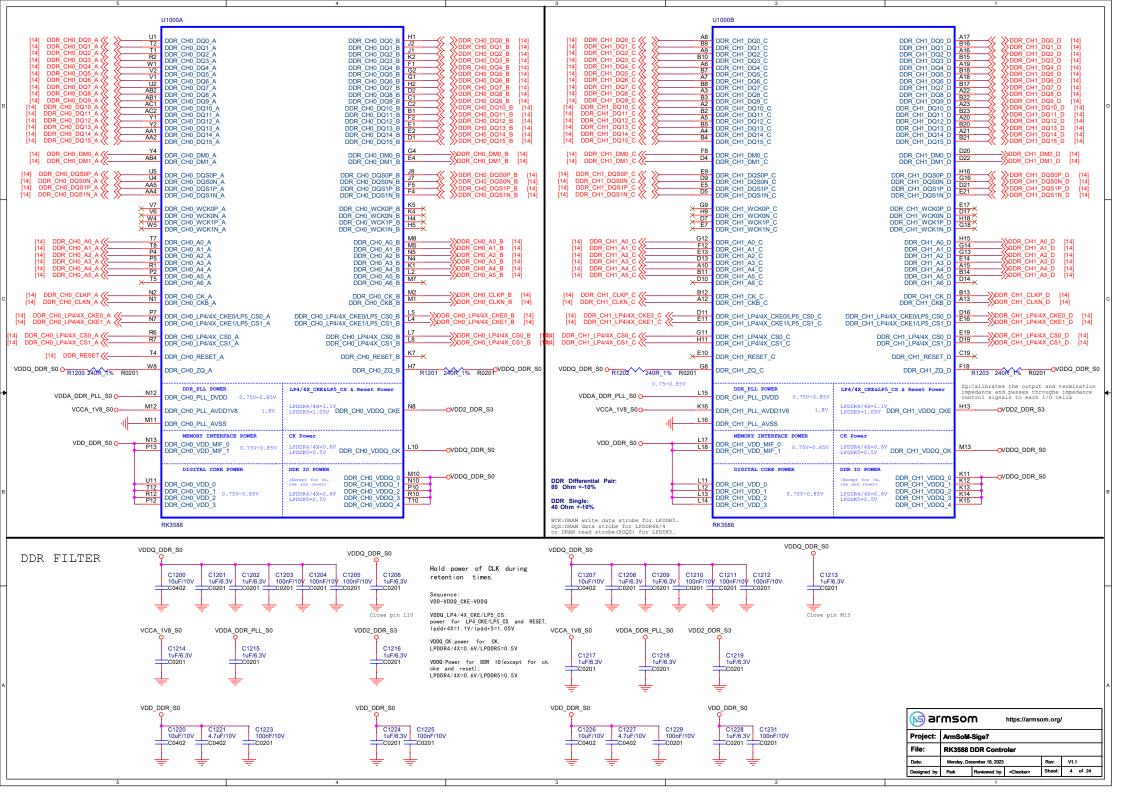
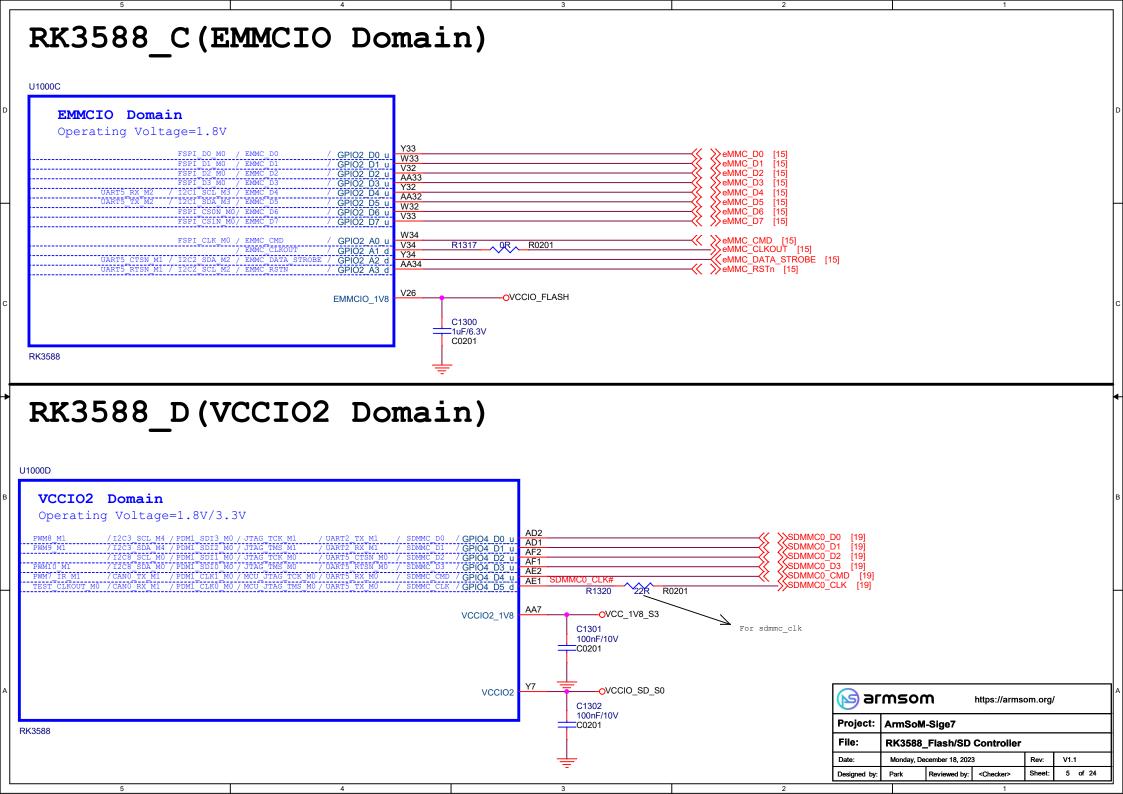
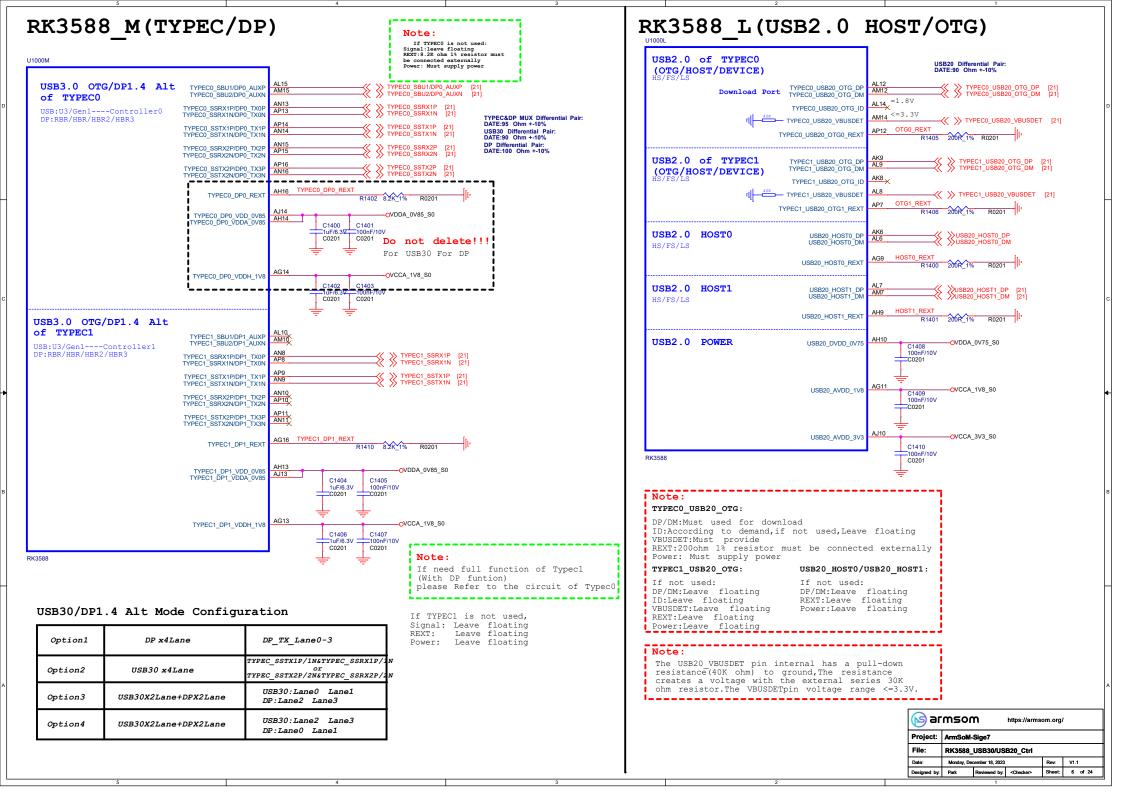


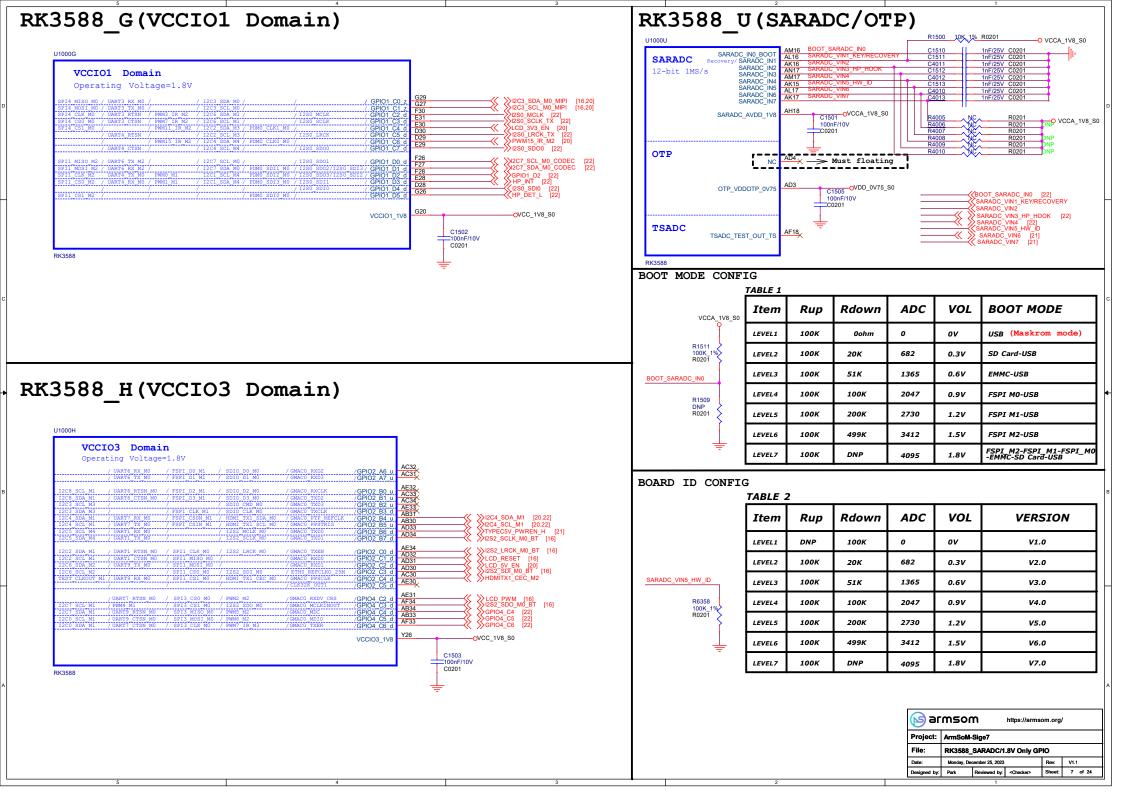
RK3588_V(POWER) VDD_GPU_S0 VDD_GPU_0 VDD_GPU_1 VDD_GPU_2 VDD_GPU_3 VDD_GPU_5 VDD_GPU_5 VDD_GPU_6 VDD_GPU_6 VDD_GPU_9 VDD_GPU_9 VDD_GPU_10 VDD_GPU_11 VDD_CPU_BIG0_S0 GPU CPU_BIG0 C1002 C1001 100nF/10V 100nF/1 C0201 C0201 C1085 C1000 C1003 47uF/6.3V 22uF/6.3V 22uF/6.3V -C0603 C0402 C0402 C1006 1uF/6.3\ C0201 VDD_CPU_BIGO_VDD_C C1018 C1019 C1080 47uF/6.3V 22uF/6.3V 22uF/6.3V C1010 C1014 C1015 C1016 C1017 100nF/10V 1uF/6.3V 4.7uF/10V 10uF/10V 10uF/10V C0201 C0201 C0402 C0402 C0402 nA AA12 AB12 VDD_GPU_MEM_0 VDD_GPU_MEM_1 VDD_CPU_BIG0_MEM_ VDD_CPU_BIG0_MEM_ VDD_CPU_BIG1_S0 CPU_BIG1 VDD LOGIC 0 VDD LOGIC 1 VDD LOGIC 2 VDD LOGIC 3 VDD LOGIC 4 VDD LOGIC 6 VDD LOGIC 6 VDD LOGIC 6 VDD LOGIC 8 VDD LOGIC 8 VDD LOGIC 8 VDD_LOG_S0 VDD_CPU_BIG1 C1039 C1040 1uF/6.3V 100nF/10V C0201 C0201 C1038 4.7uF/10V VDD_VDENC_S0 VDD_CPU_BIG1_MEM_0 VDD_CPU_BIG1_MEM_1 C1051 C1083 1uF/6.3V 100nF/10V C0201 C0201 VDD_VDENC_0 VDD_VDENC_1 VDD_VDENC_2 VDD_VDENC_3 VDD_VDENC_4 VDD_VDENC_5 VDENC VDD_CPU_LIT_S0 LIT(LIT+DSU+L3) VDD_VDENC_MEM_0 VDD_VDENC_MEM_1 VDD NPU S0 NPU C1066 1uF/6.3V 100nF/10V 1 VDD_CPU_LIT_MEM_0 VDD_CPU_LIT_MEM_1 C1072 1uF/6.3V C0201 RK3588 BGA1088_23R00X23R00X2R00 Note: The Caps between green line and U1000 should be placed under the U1000 package.Other caps should be placed close to the U1000 package A1 A11 A14 A34 B6 B19 B24 B27 V B33 V1 C3 VS C4 VS AMS 5 NSS 100 NSS 10 \(\set \) \(\text{VSS} \) 266 \(\text{VSS} \) 267 \(\text{VSS} \) 277 \(\text{VSS} \) 278 \(\text{ RK3588 RK3588 RK3588 <Voltage> <Voltage> <Voltage> <Voltage> <Dielectric> armsom https://armsom.org/ Project: ArmSoM-Sige7 File: RK3588 Power/GND

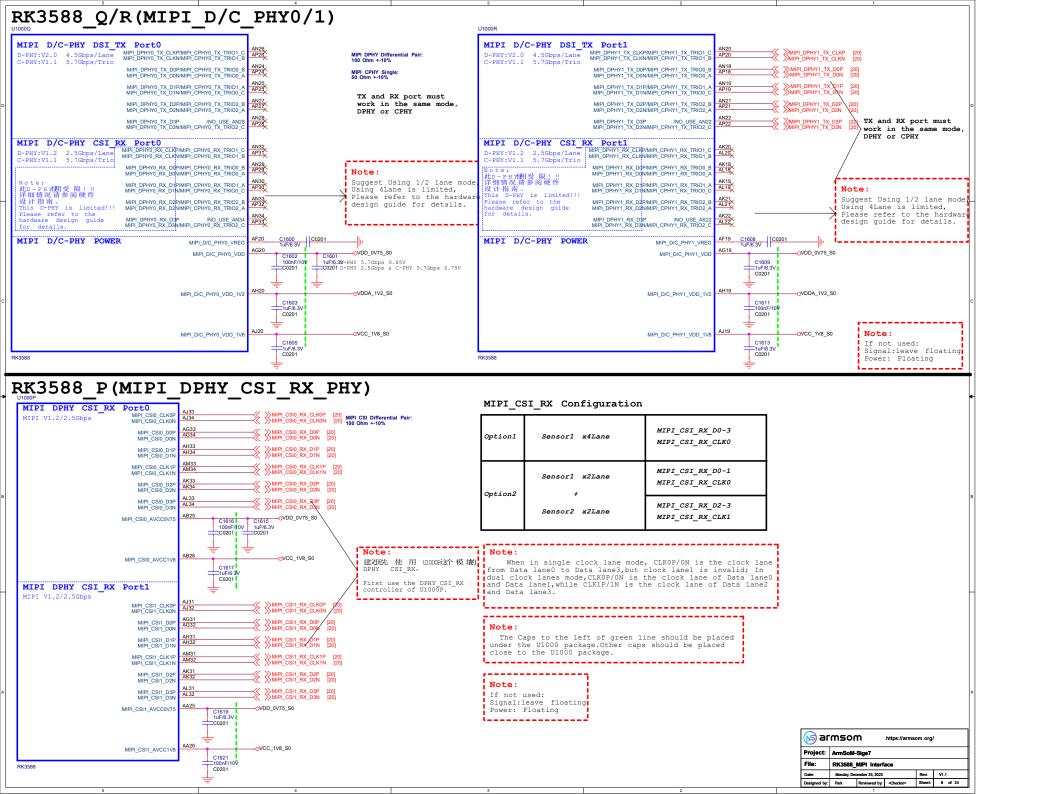


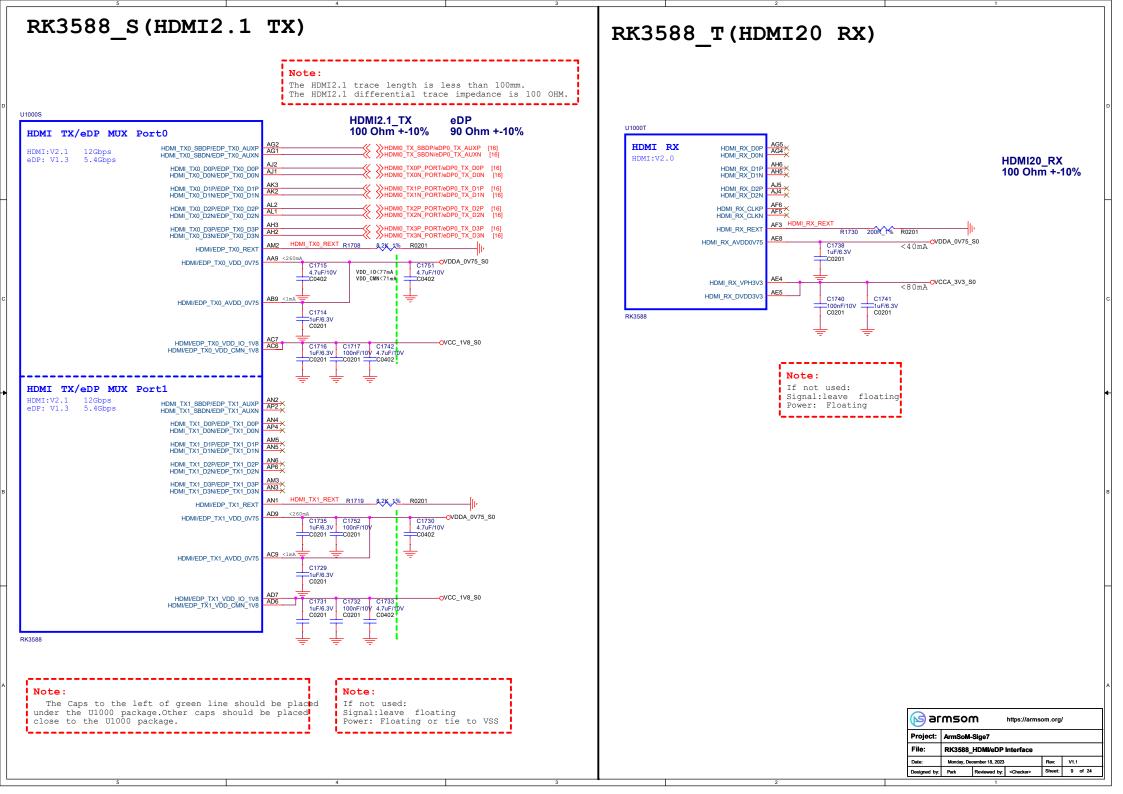


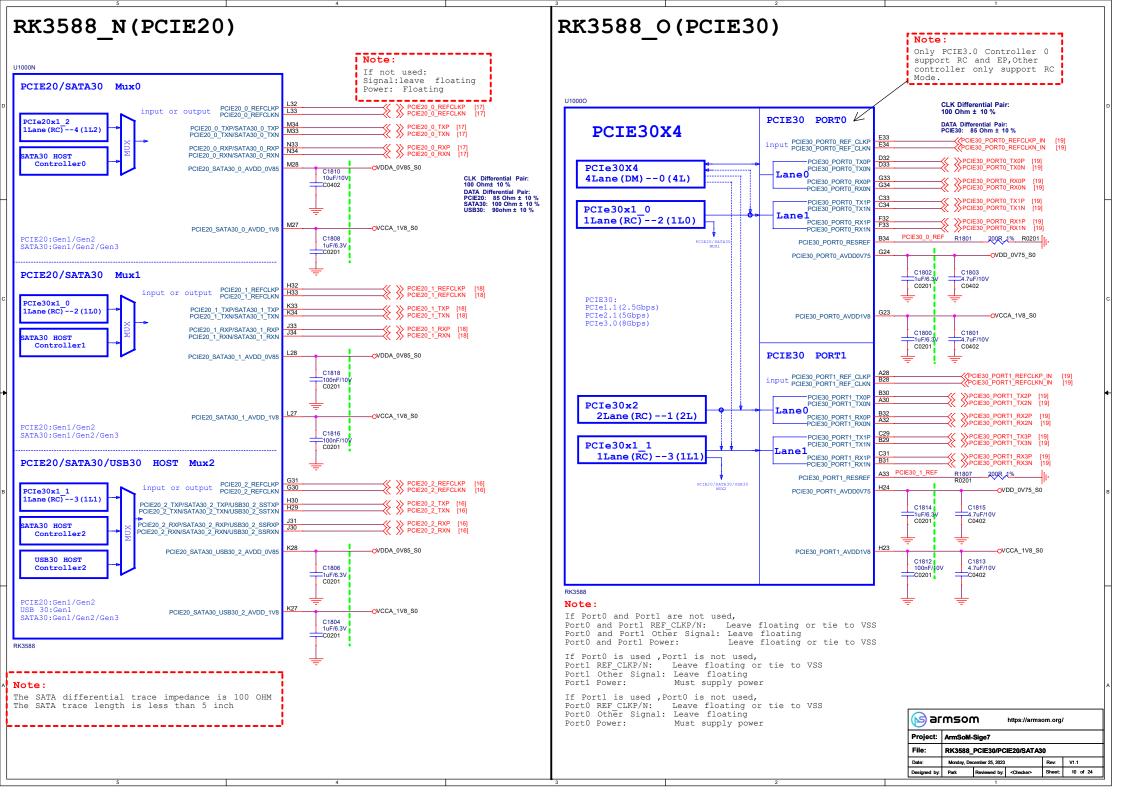




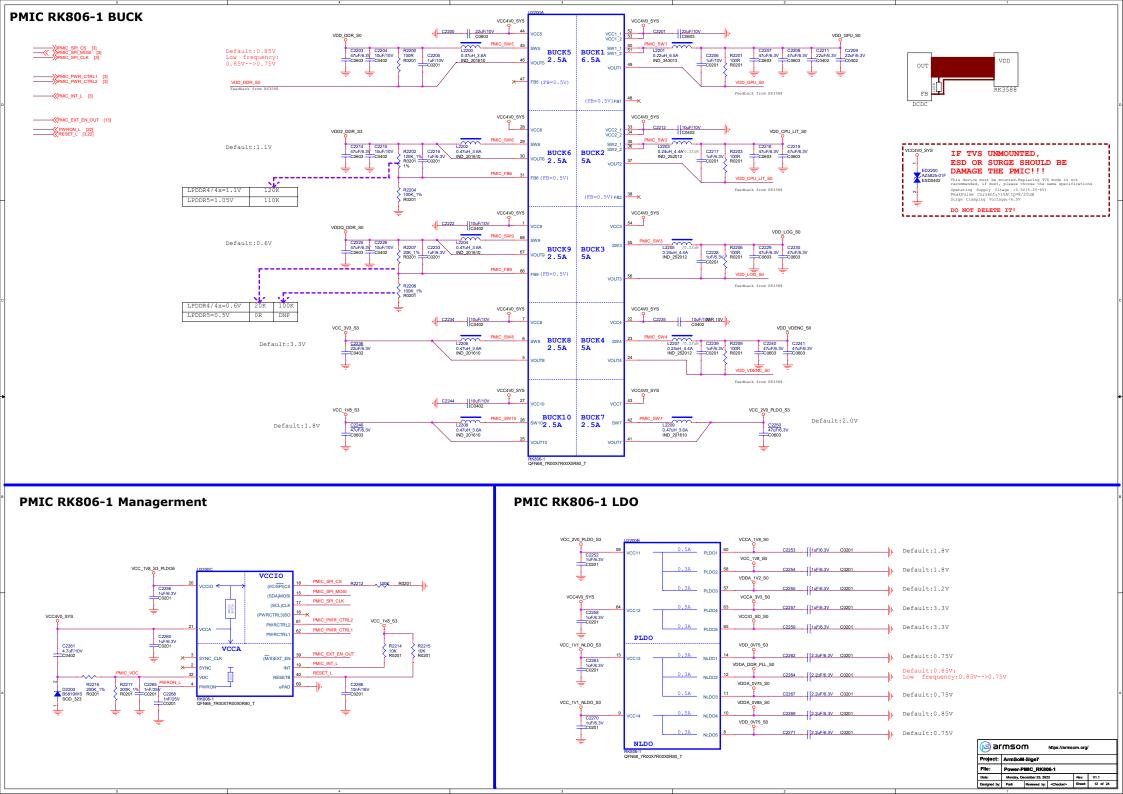


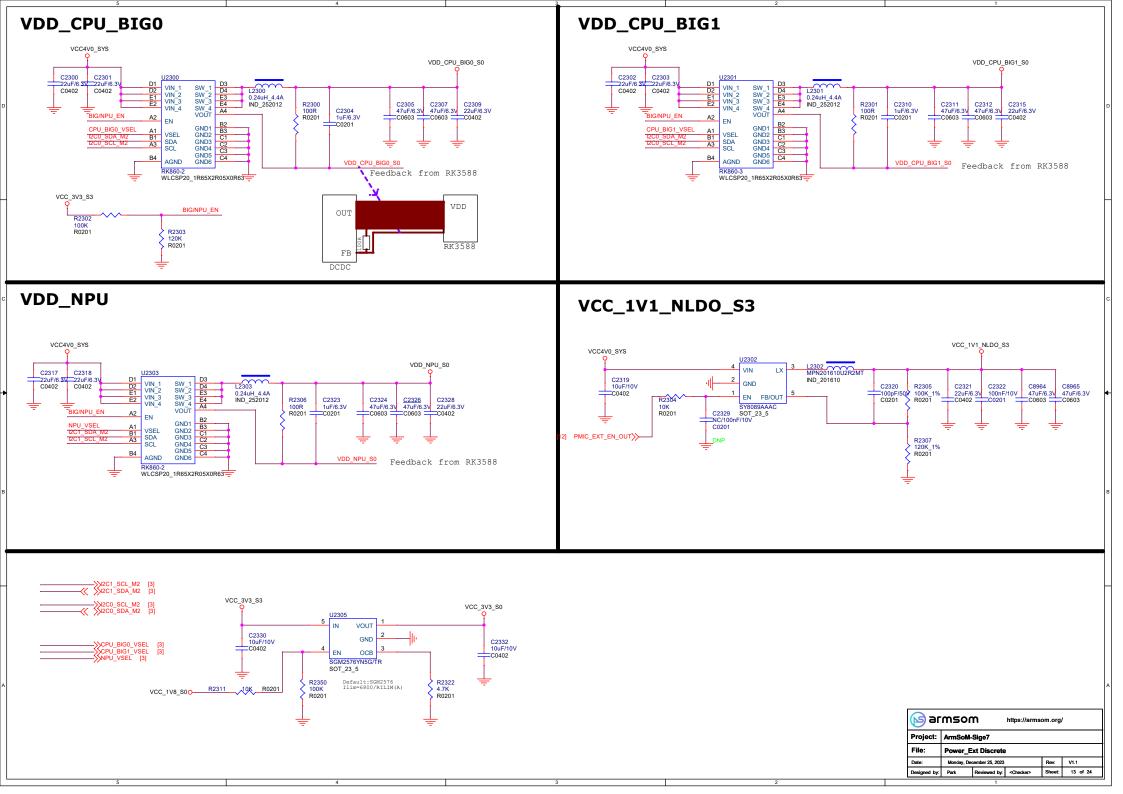


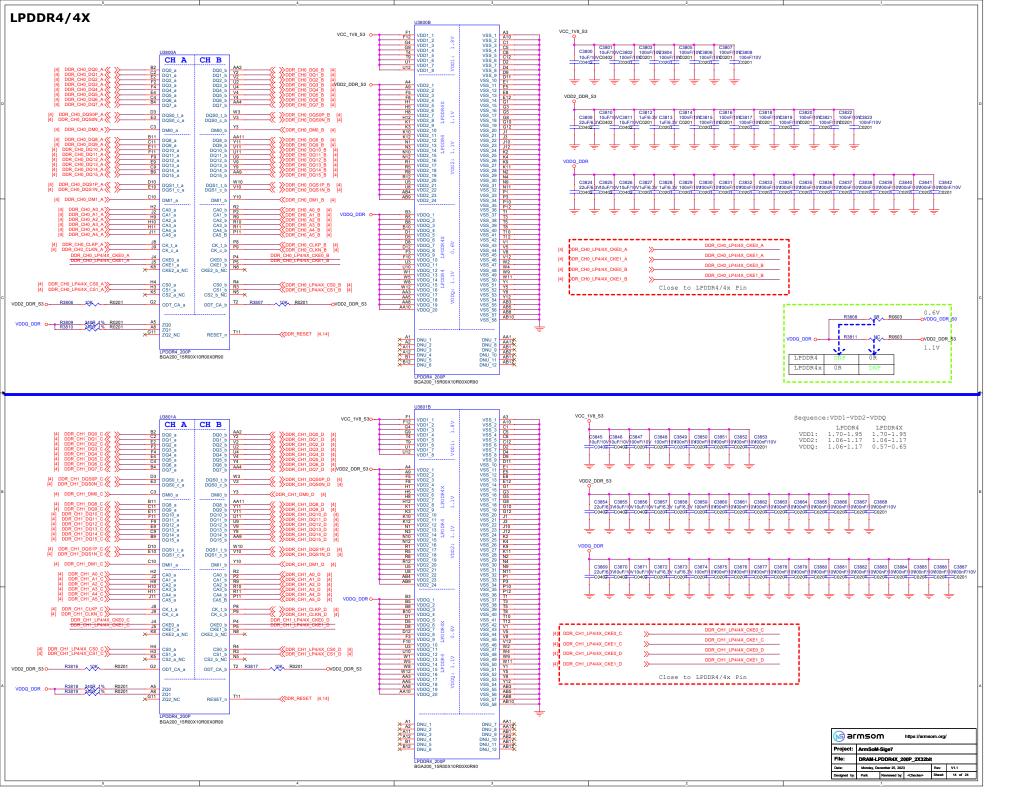


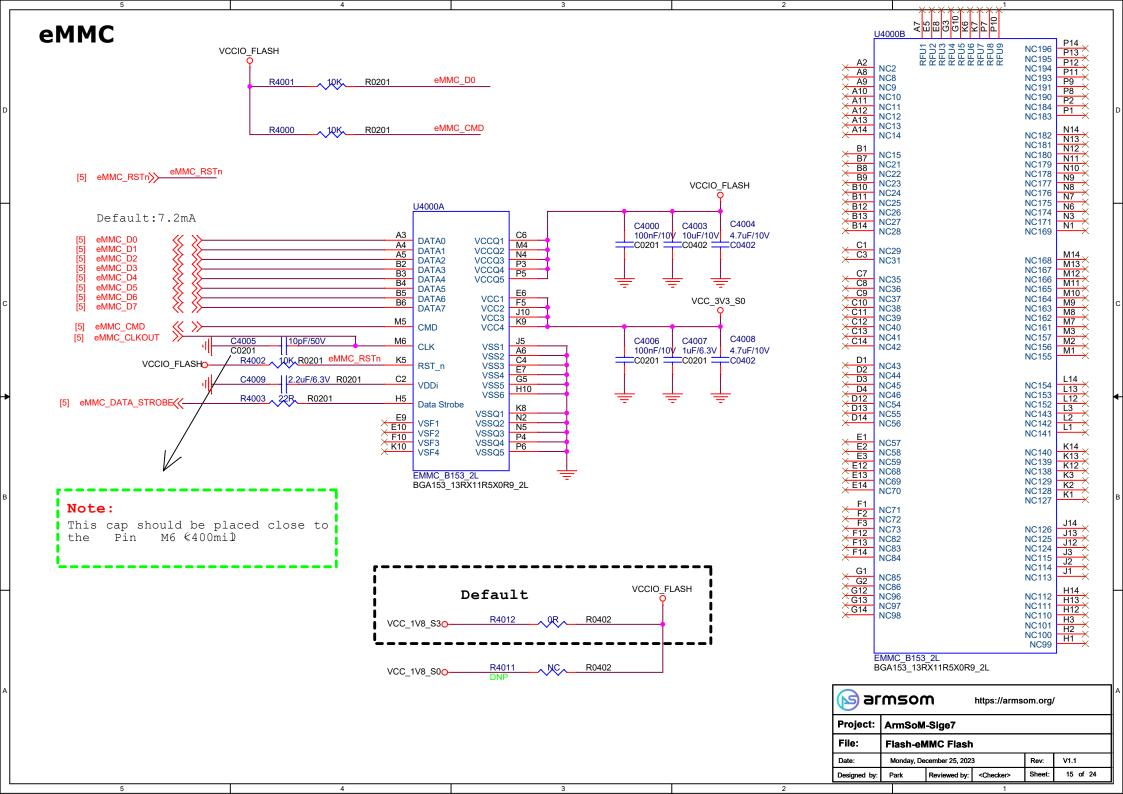


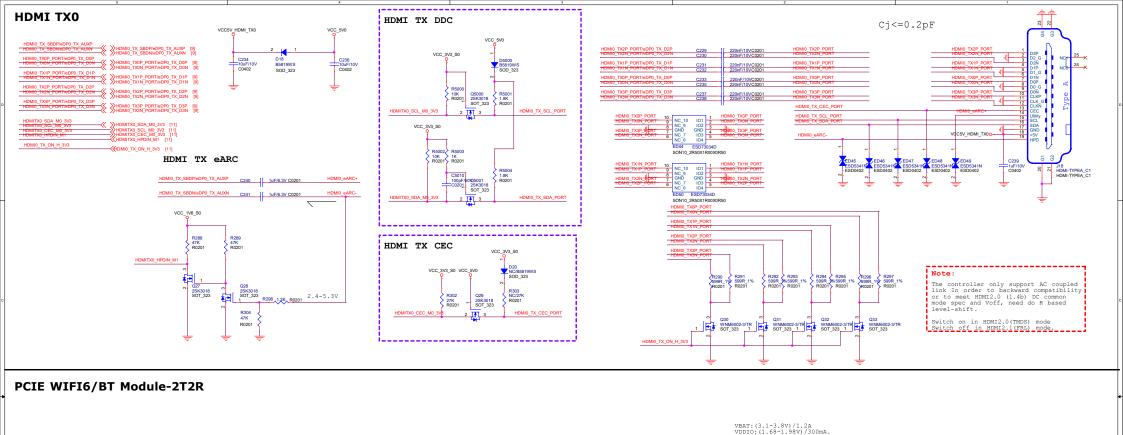


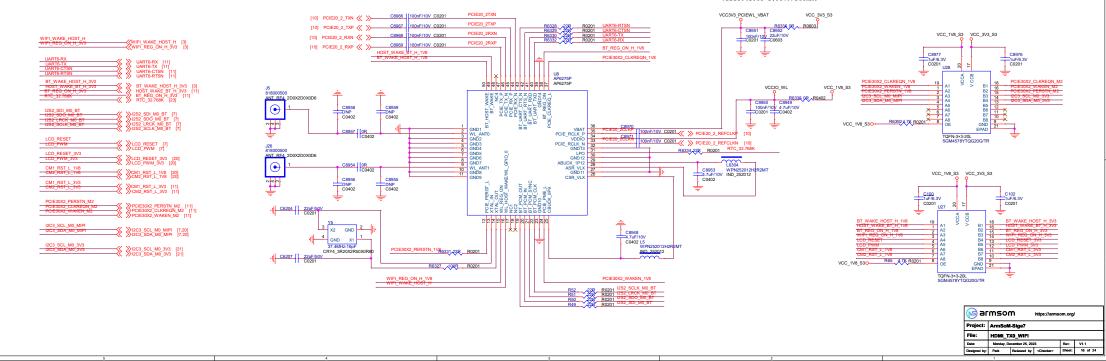


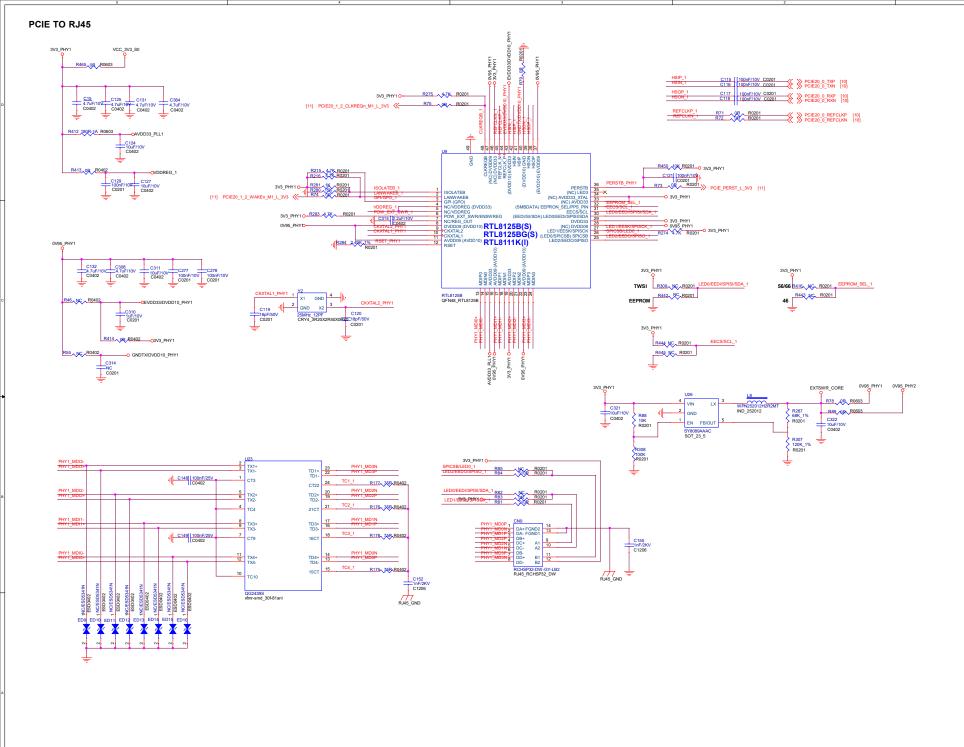




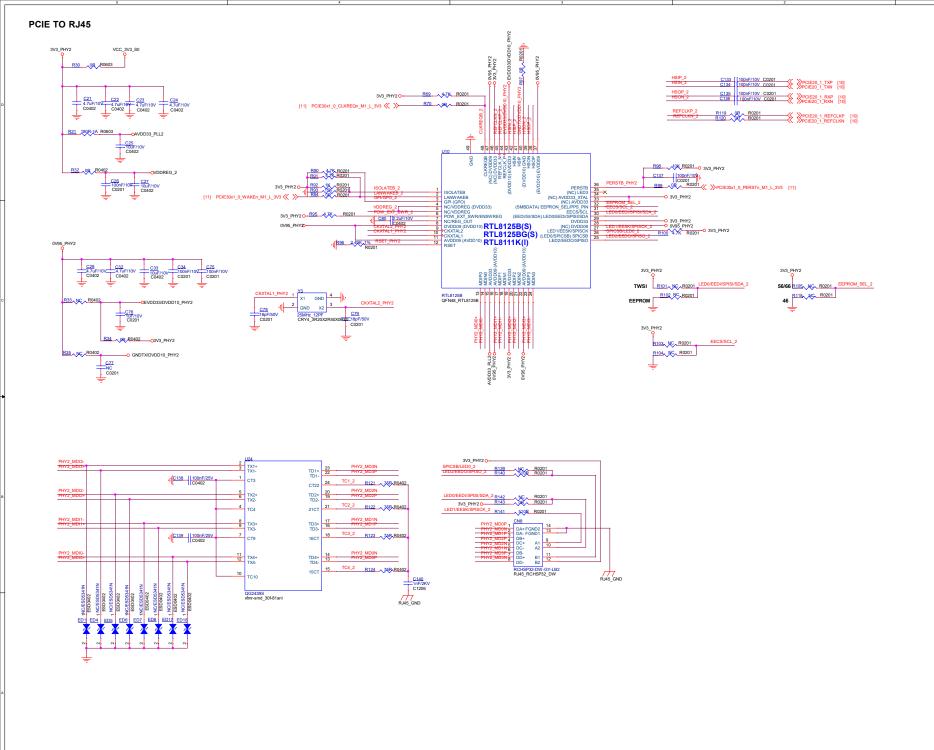




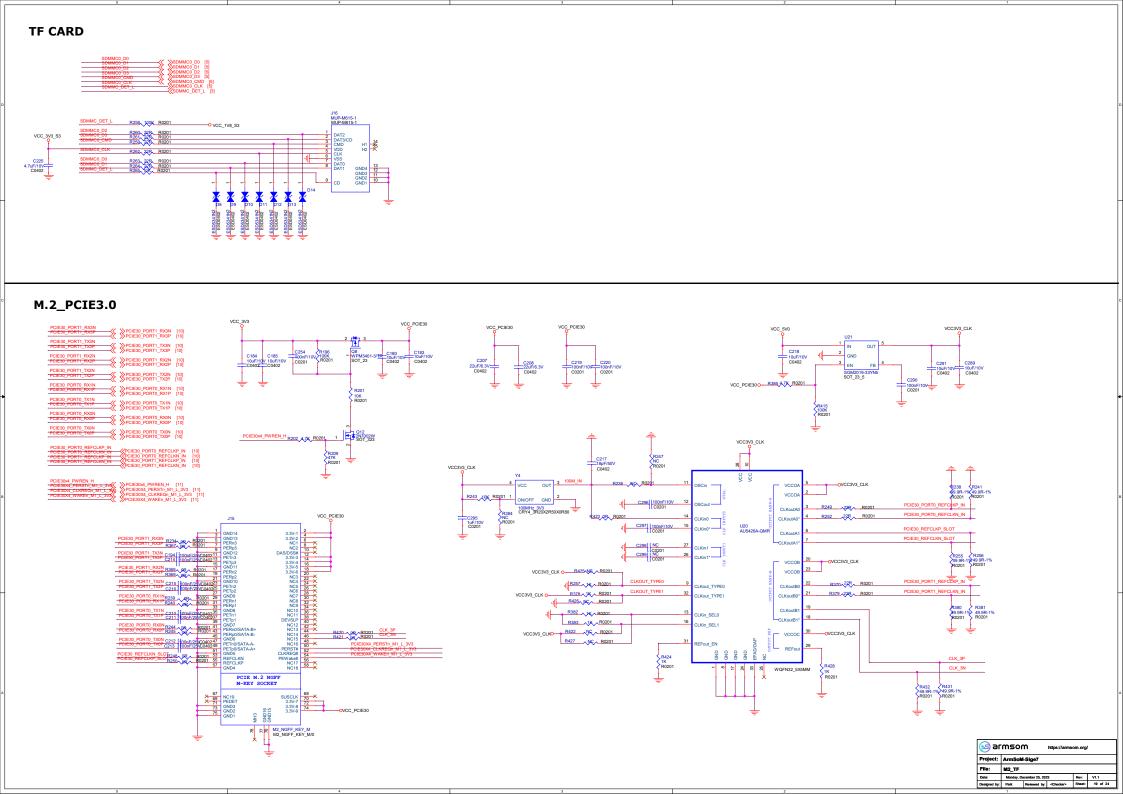




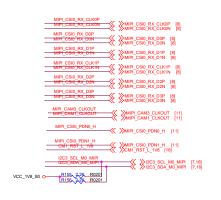
le 🗐	msor	n	https://armsom.org/			
Project:	ArmSoM	ArmSoM-Sige7				
File:	Ethernet_PCIE1					
Date:	Monday, Do	cember 25, 202	23	Rev:	V1.1	
Designed by:	Park	Reviewed by:	<checker></checker>	Sheet:	17 of 24	

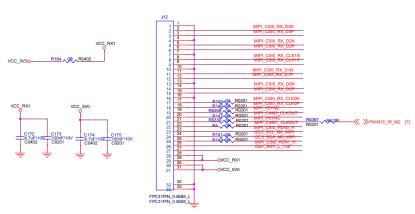


Mosm16 🕝			https://armsom.org/					
Project:	ArmSoM	ArmSoM-Sige7						
File:	Ethernet_PCIE2							
Date:	Monday, De	cember 25, 202	Rev:	V1.1				
Designed by:	Park	Reviewed by:	<checker></checker>	Sheet:	18 of 24			



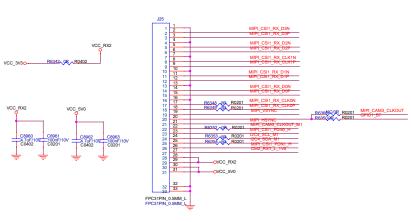
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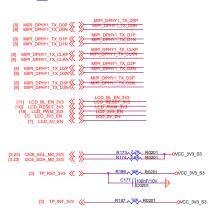


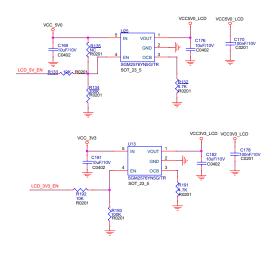
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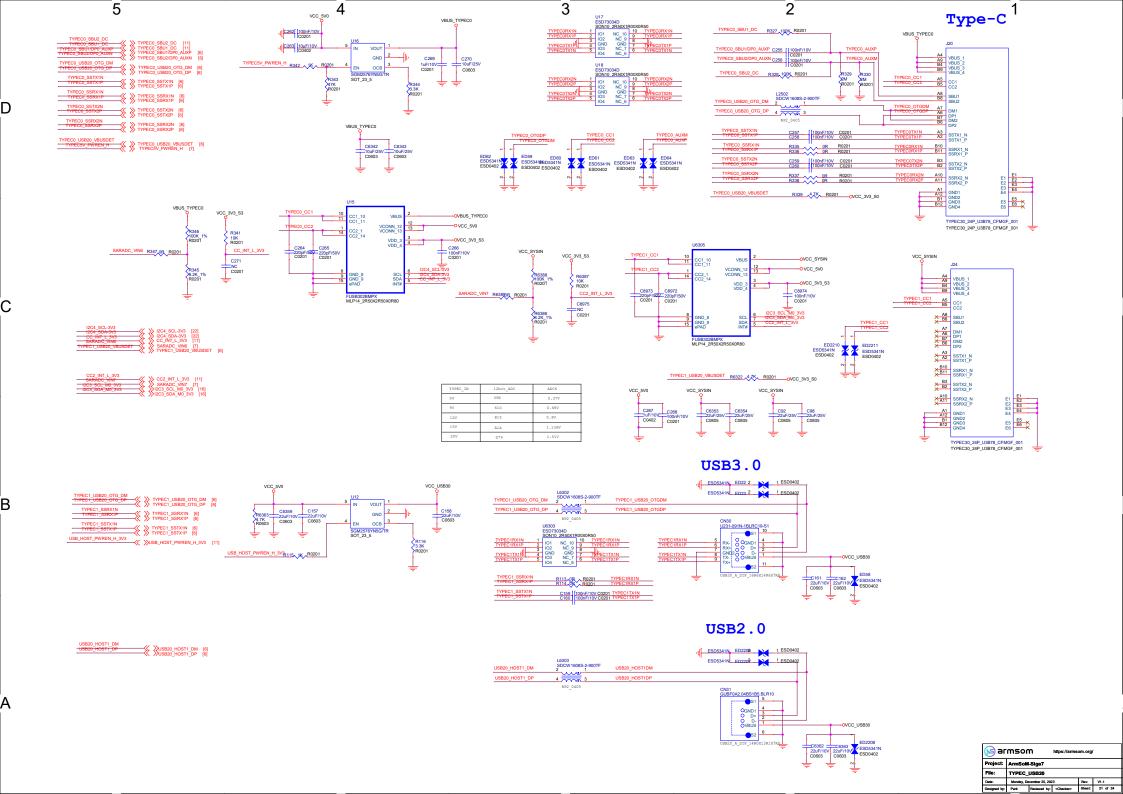
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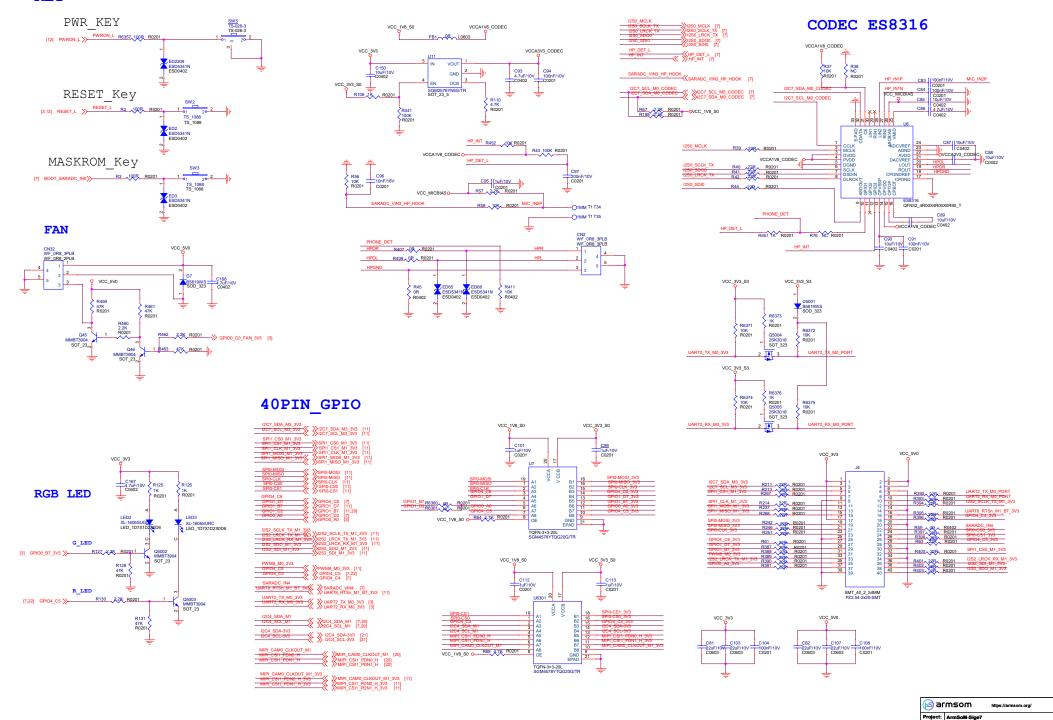


J23					
1 2 3	2 3		R1384	R R0201	IIPI_DPHY1_TX_DON MIPI_DPHY1_TX_DOP
4 5	4 5 6		M	IPI_DPHY1_	TX_D1N TX_D1P
6 7 8 9	7 8 9			PI_DPHY1_	
10 11	10 11 12			IPI_DPHY1_	
12 13 14	13 14 15			PI_DPHY1_	
15 16 17	16 17 18			OR R0201	LCD_PWM_3V3
18 19 20	19 20 21			R0201	LCD_RESET_3V3
21 22 23	22 23 24		R181	R0201	LCD_BL_EN_3V3 12C6_SCL_M0_3V3 12C6_SDA_M0_3V3
24 25 26	25 26 27				TP_INT_3V3 TP_RST_3V3
27 28 29	28 29 30	þ .	-ovc	C5V0_LCD	
30 31 32	30 X 32	Þ	-OVC	C_1V8_S0	
33 34	33				
	1_0.5MM_L 1_0.5MM_L				
	=	=			

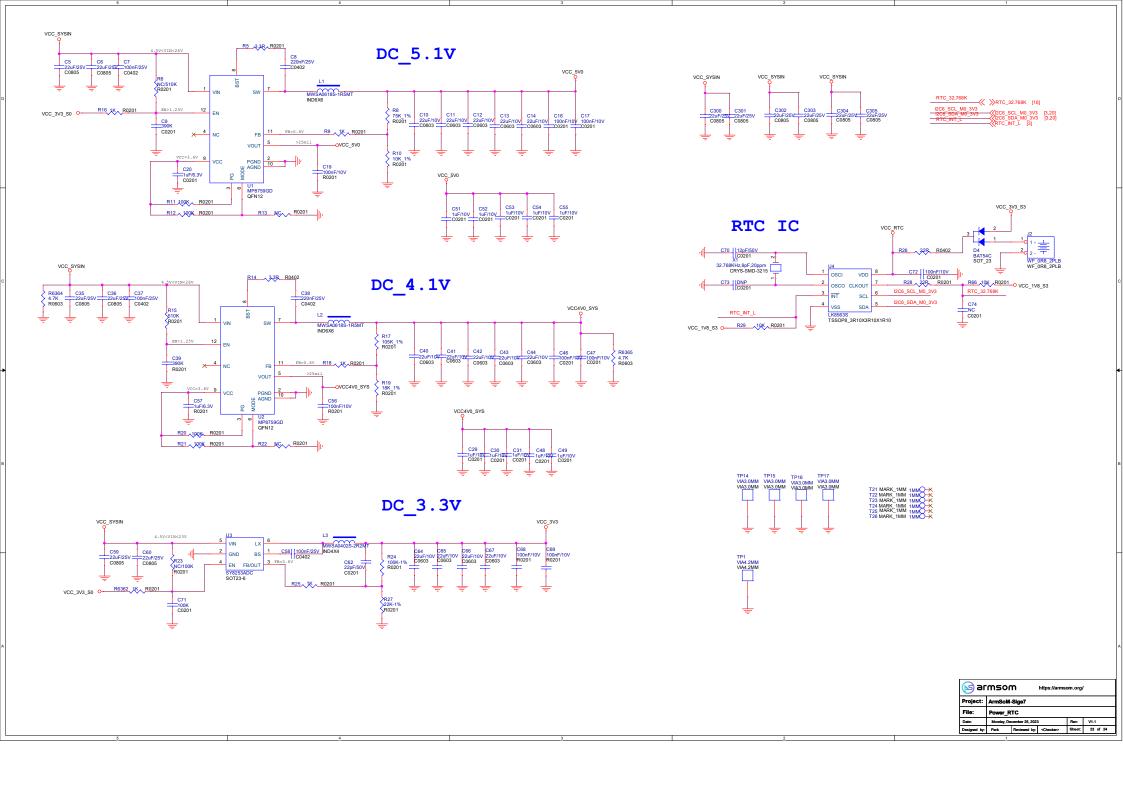
⊚ armsom			https://armsom.org/			
Project:	ArmSoM	l-Sige7				
File:	MIPI_RX	MIPI_RX_CSI/MIPI_DSI				
Date:	Monday, December 25, 2023 Rev: V1.1				V1.1	
Designed by:	Park	Reviewed by:	<checker></checker>	Sheet:	20 of 24	







File: Audio_GPIO



Revision History

Version	Date	Ву	Change Dsecription	Approved
V1.0	2023-08-07	SL Chen	First release;	
V1.0	2023-09-19	SL Chen	1.phone jack change to connector; change U23&U24 singal for layout,del poe cn1; 2.PWR: add C8964&C8965,R6364&R6365 3.CAM: add R6366&R6367&R6368	
V1.1	2023-12-13	SL Chen	1.VOL_IC: U27/U7/U6301change part pin; 2.USB: U15 fro mTypeC1 change to TypeC0; CN31 fro m USB3 0 change to USB2 0; 3.40PIN:add UART Protect; J2&CN2&CN32 change to WF0 8; 4.CAM: DEL R6352, CSI_1 I2C3 change to I2C4 5.WIFI Module: AP6275S change to AP6275P;	

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Project:	ArmSoM	ArmSoM-Sige7				
File:	Revision	Revision History				
Date:	Monday, December 25, 2023 Rev: V1.1					
Designed by:	Park	Reviewed by:	<checker></checker>	Sheet:	24 of 24	