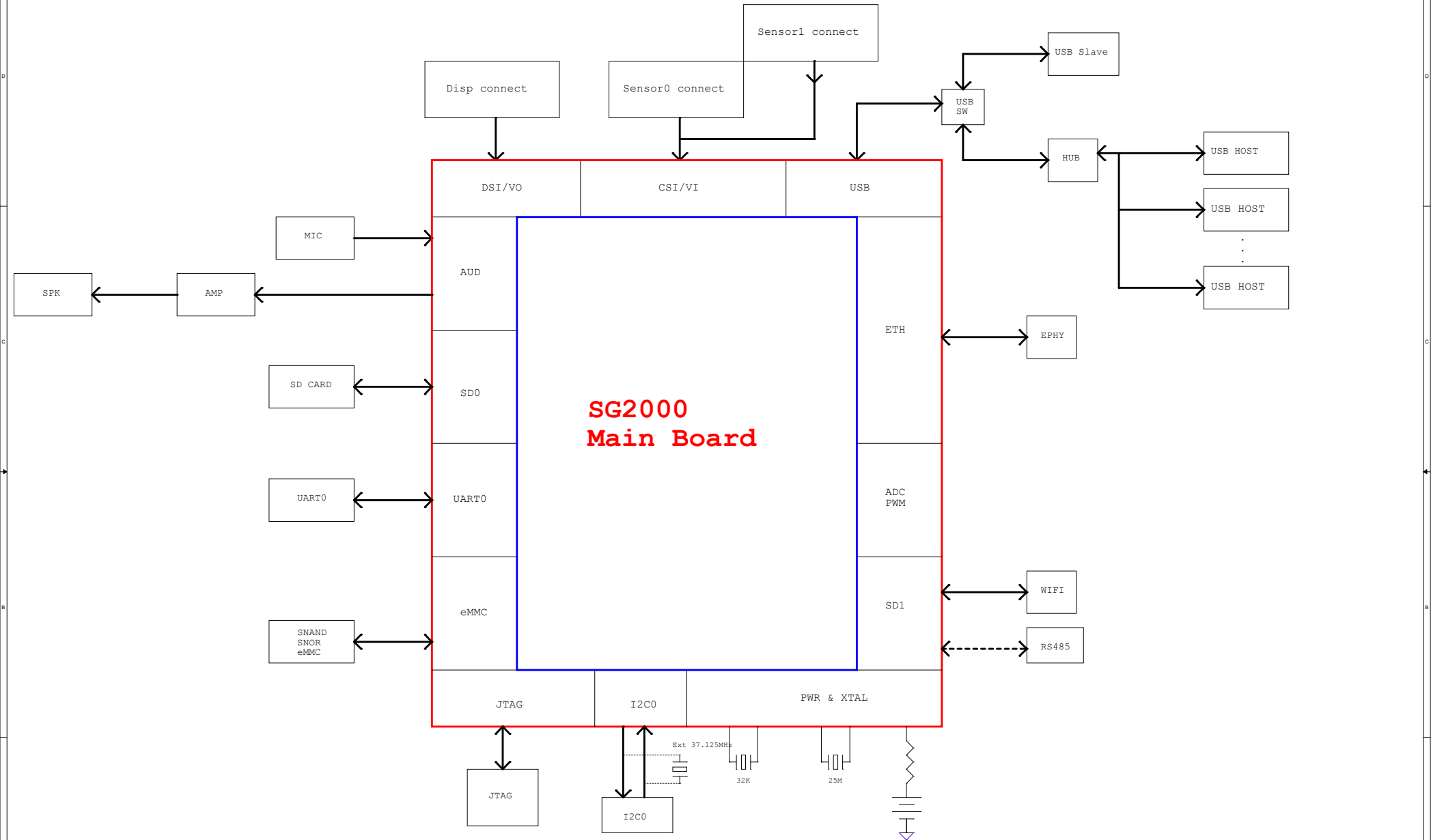
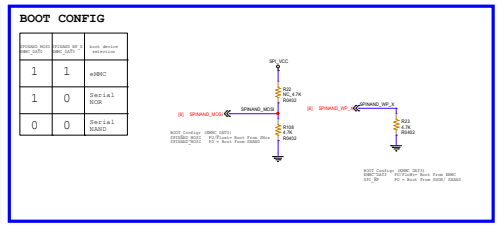
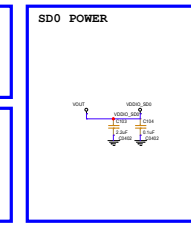
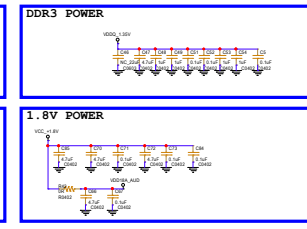
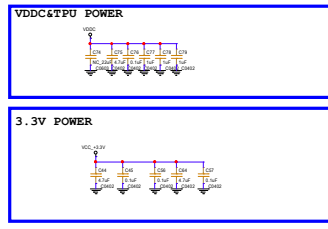
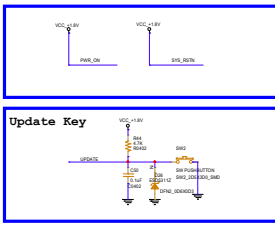
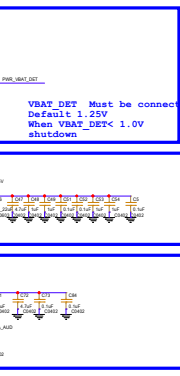
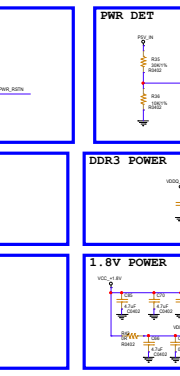
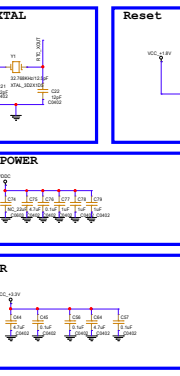
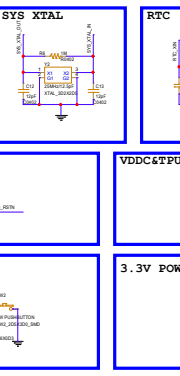
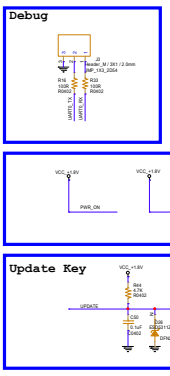
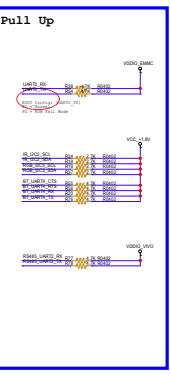
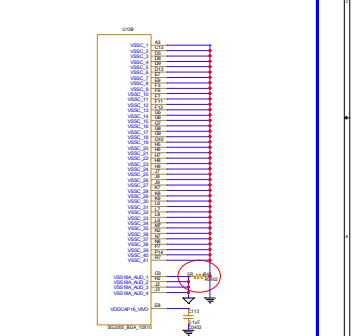
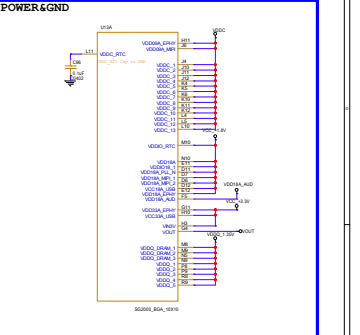
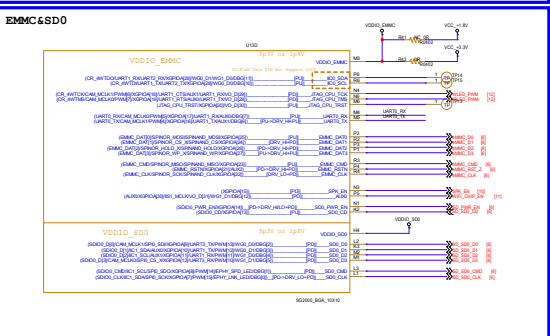
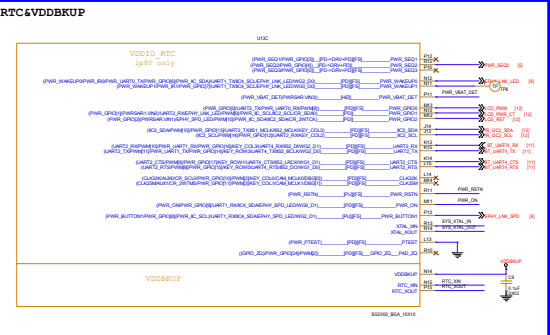
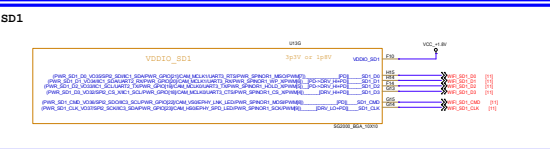
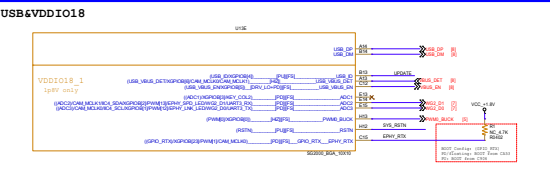
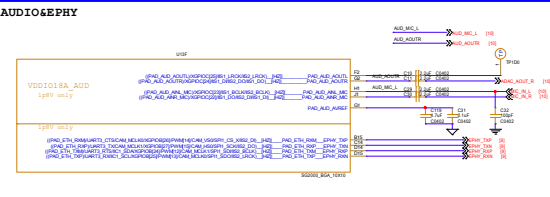
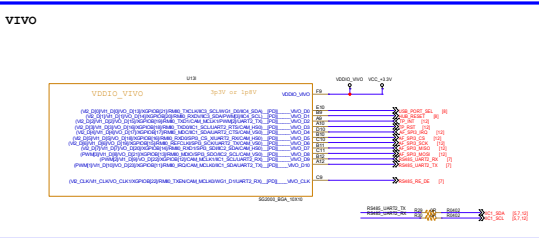
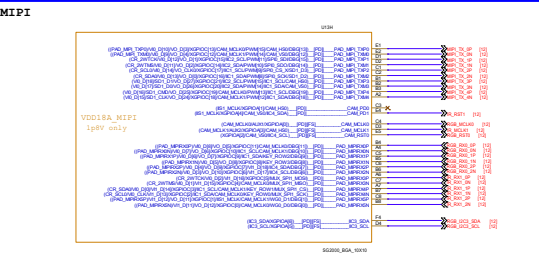
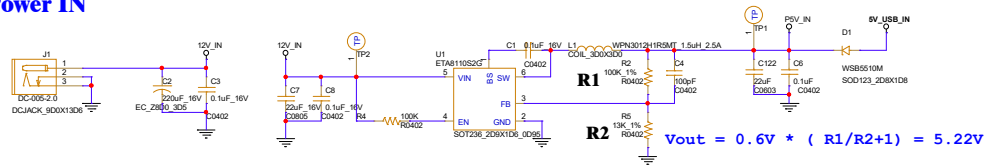


Version List			
Version	Change List	Date	Author
1.0.0	First Release	2022-3-21	Miller.zhang
1.1.0	1、C91,C93 NC 2、增加R1 3、增加R41,R43	2022-6-10	Miller.zhang
1.2.0	1、C205从10uF改为22uF	2023-3-1	Miller.zhang

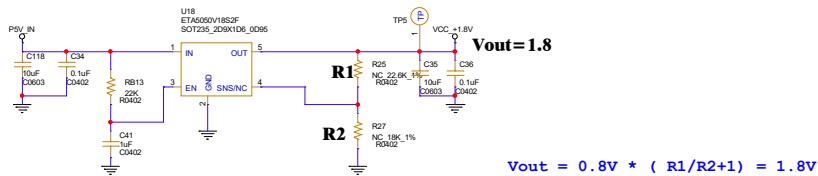
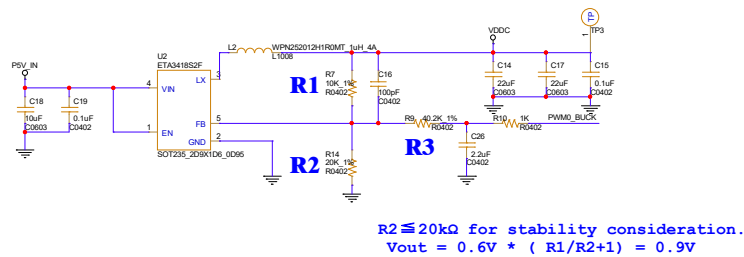
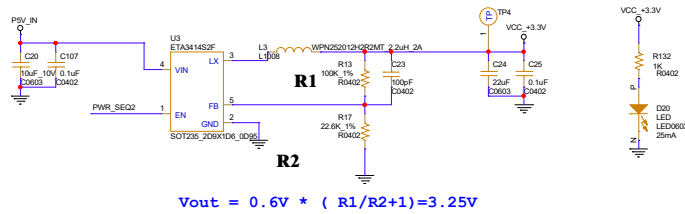
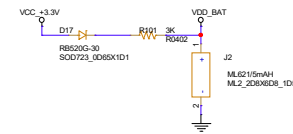
Block Diagram for SG2000



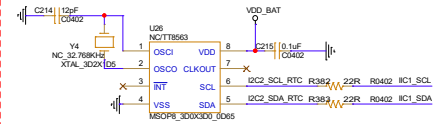


Power IN

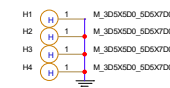
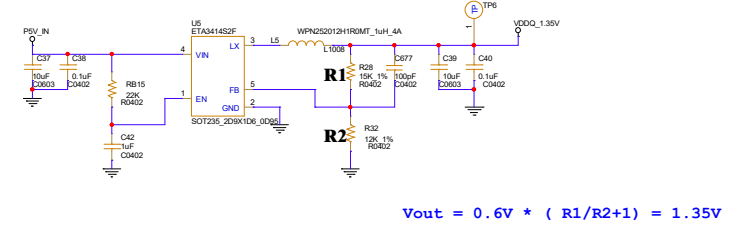
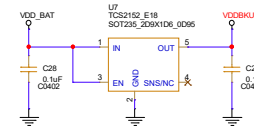
PWR_SEQ02

**RTC**

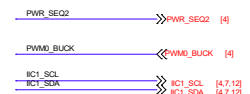
External RTC VCC



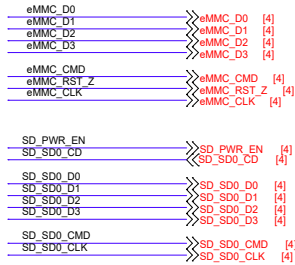
Internal RTC



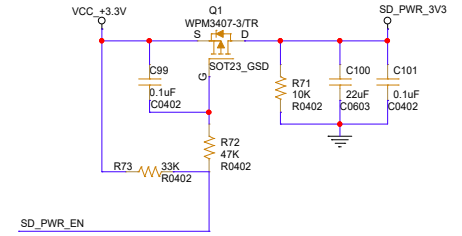
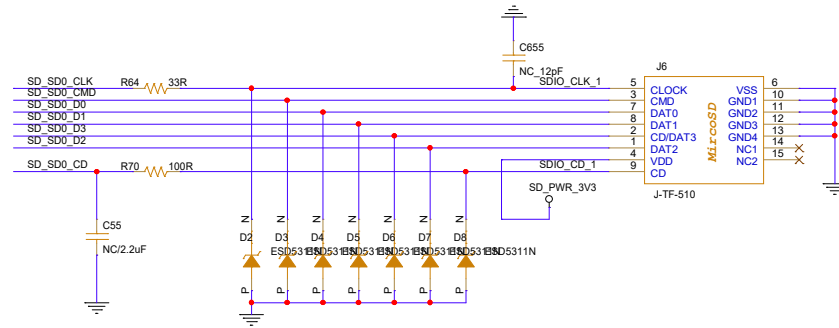
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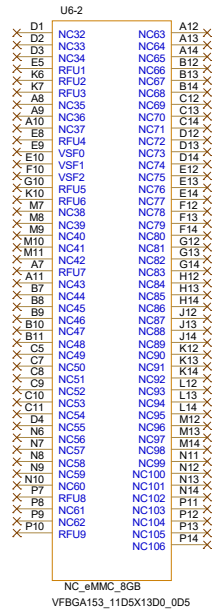
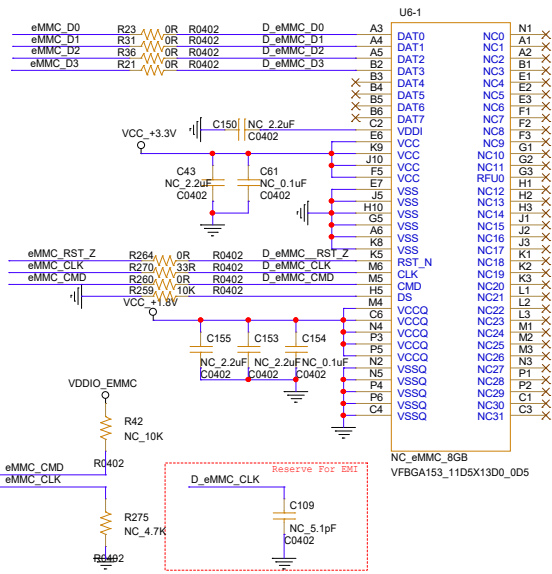
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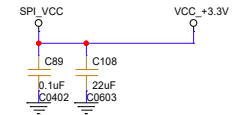
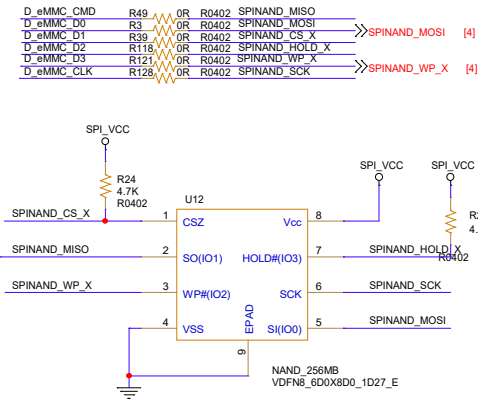
SD Card



EMMC

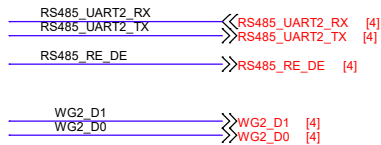


SPINAND

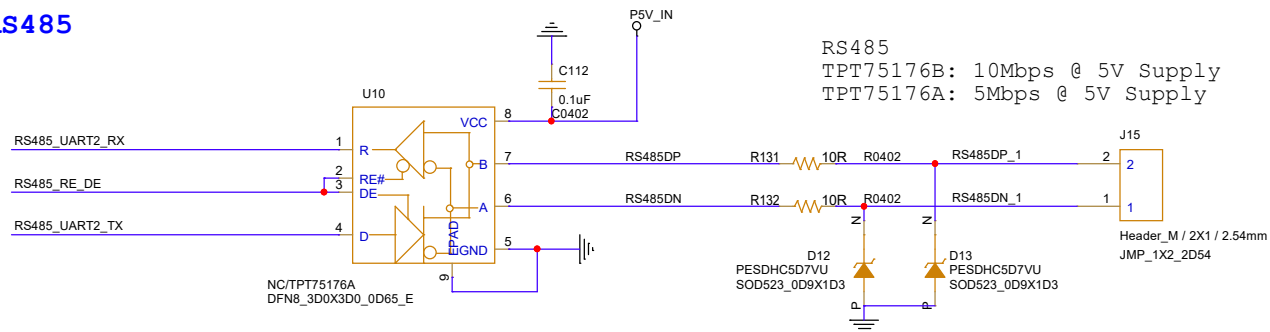


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Size				Document Number	
Custom				SG2000_SIP_BGA	
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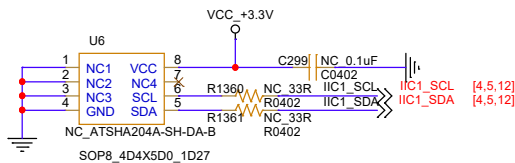
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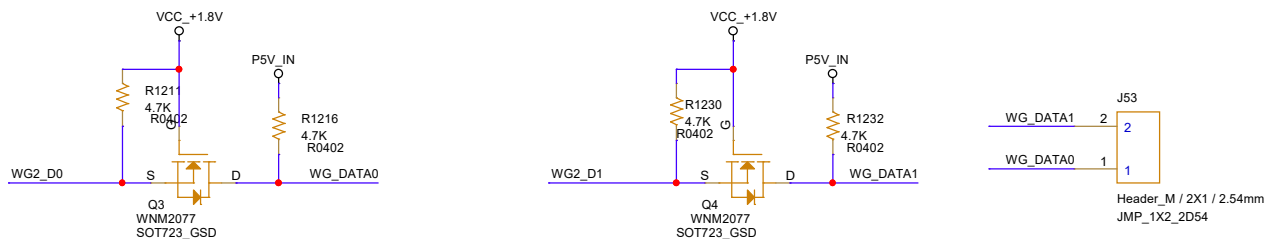
RS485



Encryption



Weigand



Title			07_UART_WG		
Size	Custom	Document Number	SG2000_SIP_BGA		
Date:	Wednesday, December 13, 2023	Sheet	7	of	15

NET

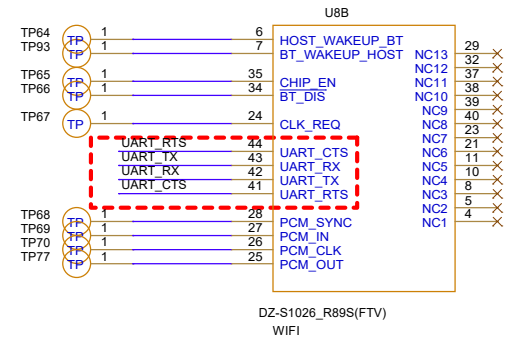
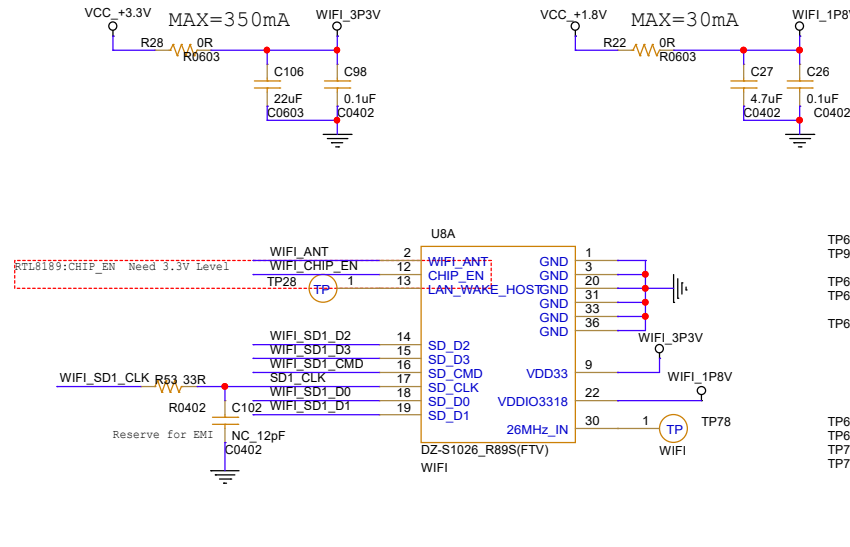
Title				09_RJ45			
Size	Document Number						Rev
Custom	SG2000_SIP_BGA						1.0.0
Date:	Wednesday, December 13, 2023			Sheet	9	of	15

NET

WIFI_SD1_D0 >> WIFI_SD1_D0 [4]
 WIFI_SD1_D1 >> WIFI_SD1_D1 [4]
 WIFI_SD1_D2 >> WIFI_SD1_D2 [4]
 WIFI_SD1_D3 >> WIFI_SD1_D3 [4]
 WIFI_SD1_CMD >> WIFI_SD1_CMD [4]
 WIFI_SD1_CLK >> WIFI_SD1_CLK [4]
 WIFI_CHIP_EN >> WIFI_CHIP_EN [4]

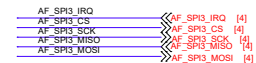
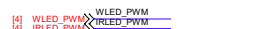
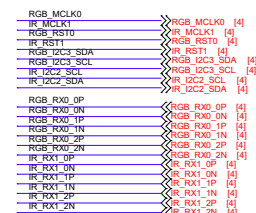
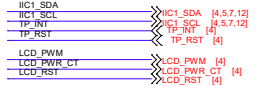
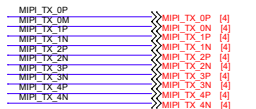
BT_UART4_CTS >> BT_UART4_CTS [4]
 BT_UART4_RTS >> BT_UART4_RTS [4]
 BT_UART4_RX >> BT_UART4_RX [4]
 BT_UART4_TX >> BT_UART4_TX [4]

BT_UART4_CTS R104 NC 33R R0402 UART_CTS
 BT_UART4_RTS R105 NC 33R R0402 UART_RTS
 BT_UART4_RX R106 NC 33R R0402 UART_RX
 BT_UART4_TX R107 NC 33R R0402 UART_TX

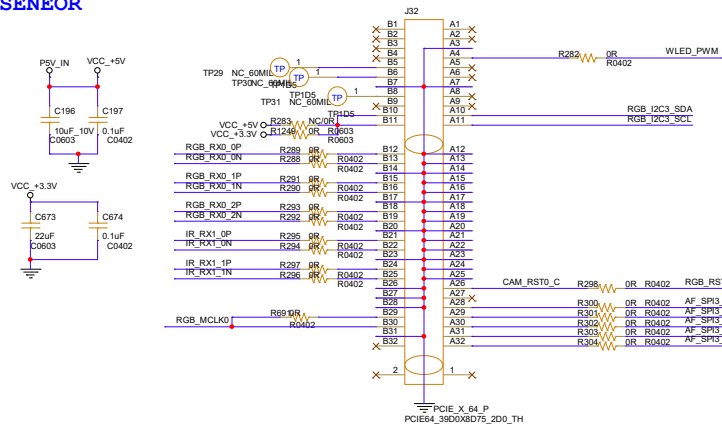


Title			11_WIFI_BT
Size	Document Number	Rev	
Custom	SG2000_SIP_BGA	1.0.0	
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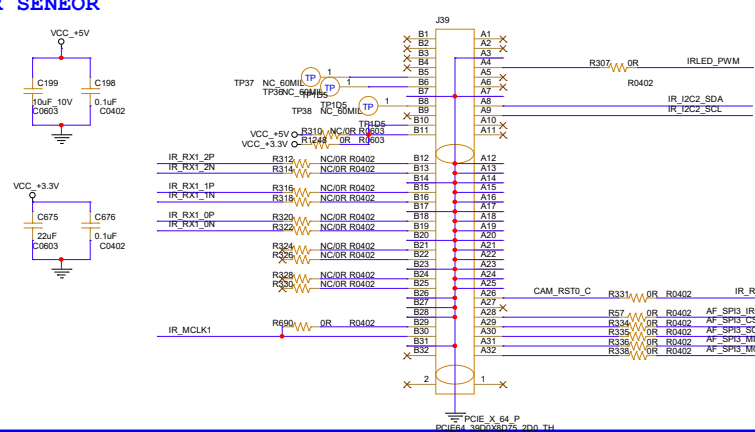
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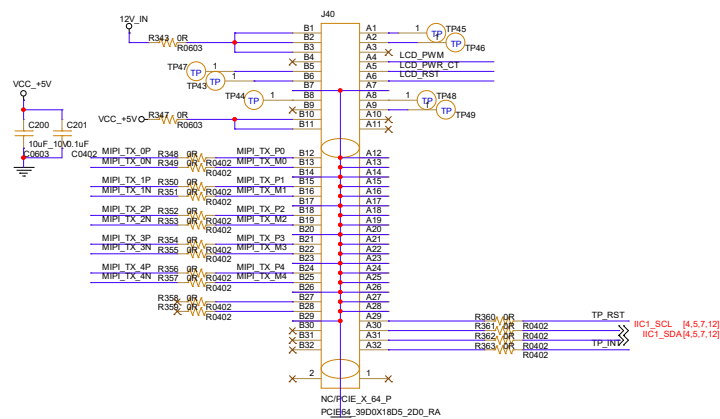
RGB SENEOR



IR SENEOR



PANEL&TP



Title 12_Sensor_Panel														
Size Custom		Document Number SG2000_SIP_BGA												Rev 1.0.0
Date:		Wednesday, December 13, 2023						Sheet		12		of		15