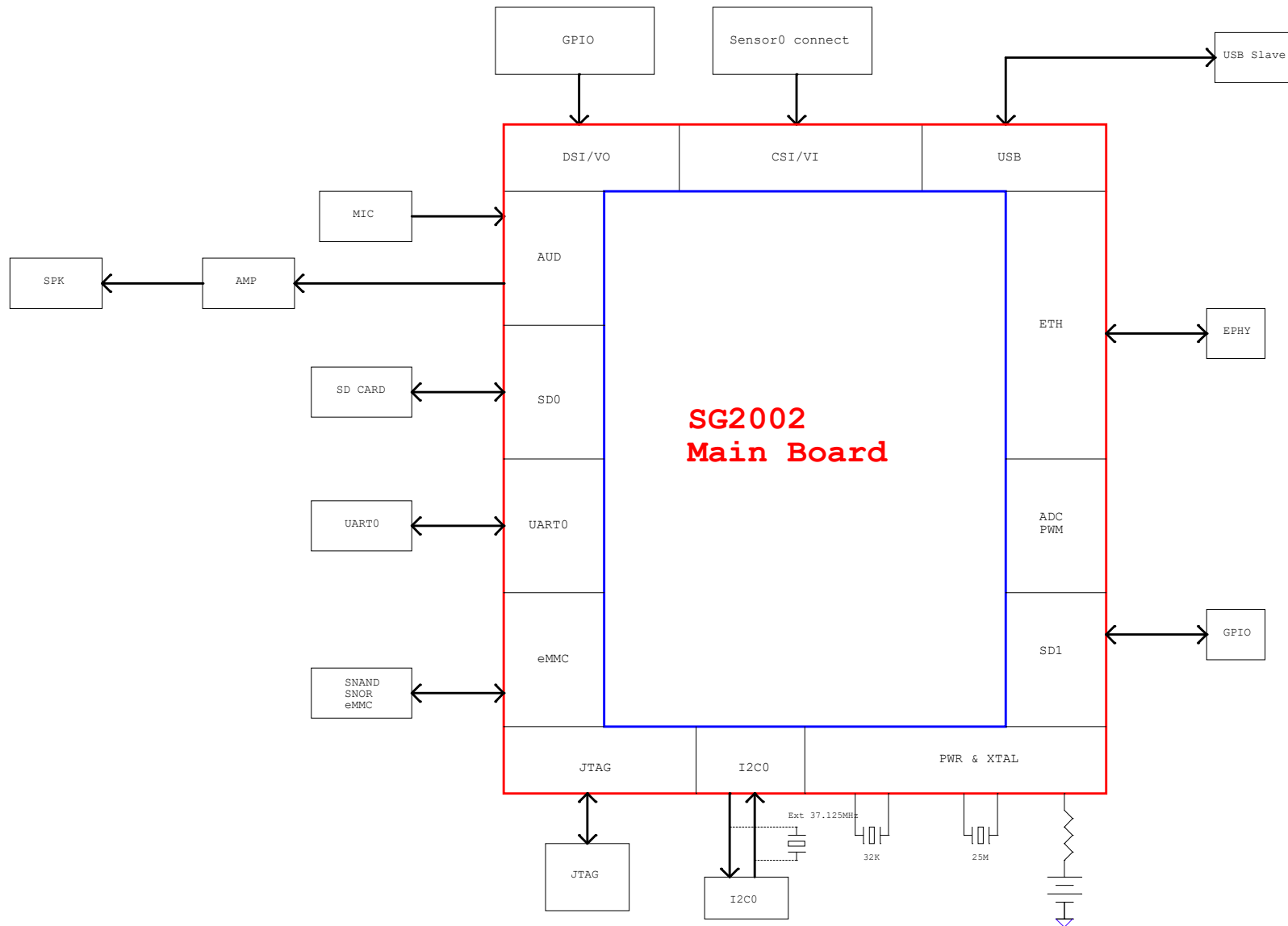


Block Diagram for SG2002



5

4

3

2

1

D

D

Version List			
Version	Change List	Date	Author
1.0.0	First Release	2020-03-07	Miller.Zhang
1.2.0	1、增加SG2002 VDDC电压0.92v说明	2022-12-28	Miller.Zhang

C

C

B

B

A

A

Title			
01_Cover			
Size	Document Number		Rev
A	SG2002_QFN_SIP_DDR		1.0.0
Date:	Wednesday, December 13, 2023	Sheet	2 of 10

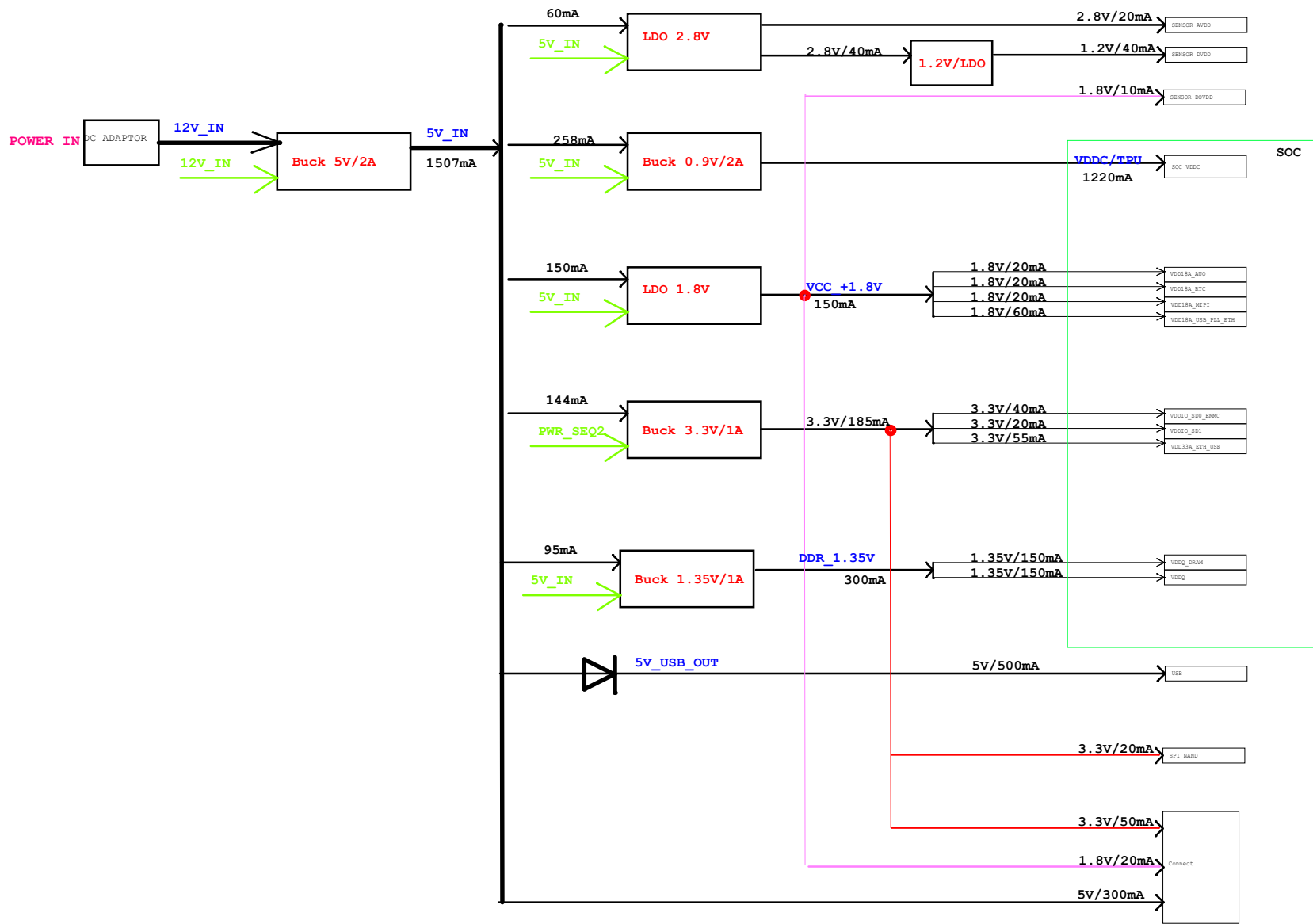
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4

3

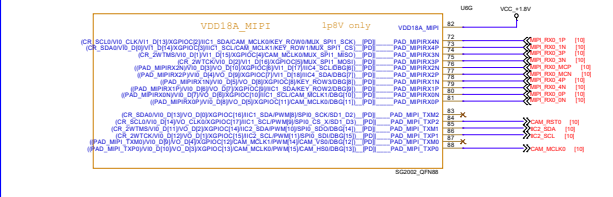
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1

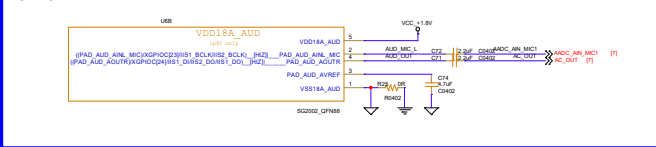


Title				03_Power tree	
Size	Custom	Document Number	SG2002_QFN_SIP_DDR		Rev
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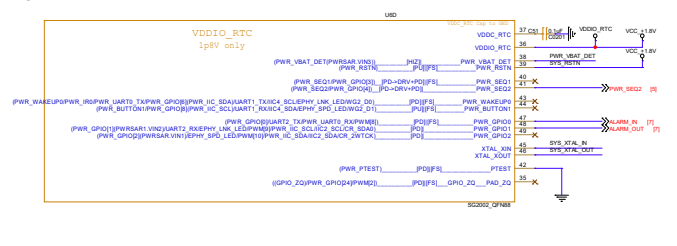
MIPI



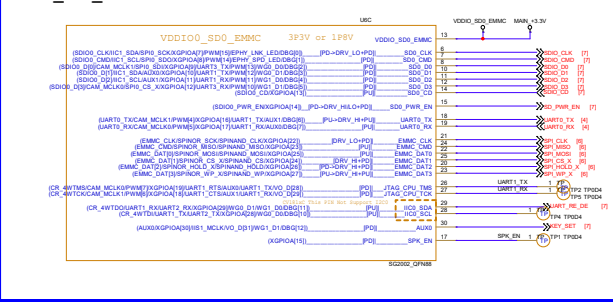
AUDIO



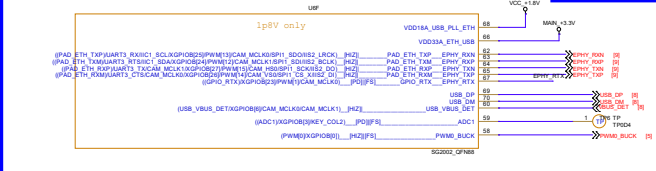
RTC



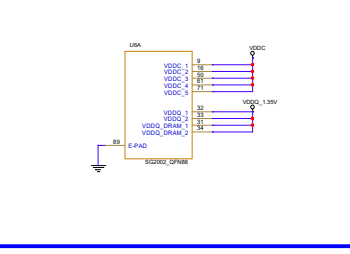
VDDIO_SD0_EMMC



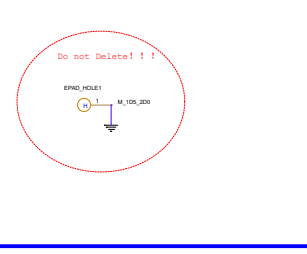
EPHY&USB



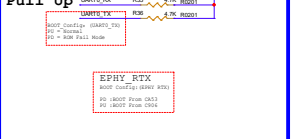
POWER&GND



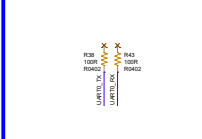
EPAD Hole



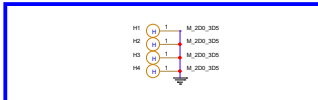
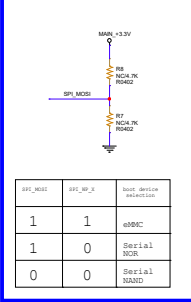
Pull Up



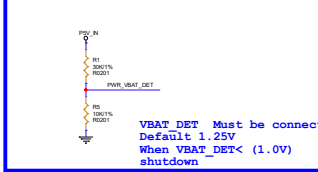
Debug



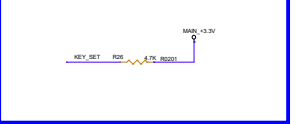
BOOT CONFIG



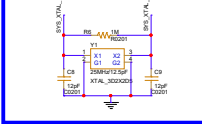
PWR DET



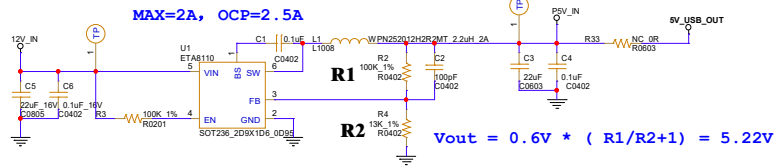
Update&Reset Key



SYS XTAL

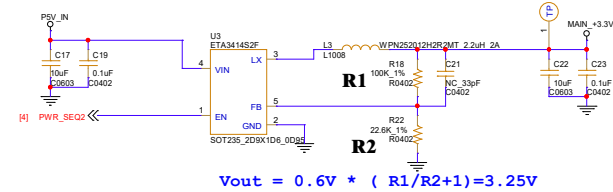


Rev	Rev	Rev
Rev	Rev	Rev
Rev	Rev	Rev
Rev	Rev	Rev



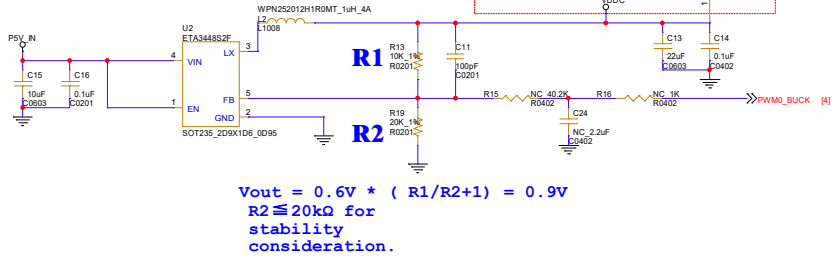
PWR_SEQ02

G2822T11U, MAX=2A, OCP=3A;
G5728BT11U, MAX=1A, OCP=2A;
ETA3414S2F, 1A, OCP=2A;
ETA3446S2F, 3A, OCP=4.5A;
以上4个PIN TO PIN;



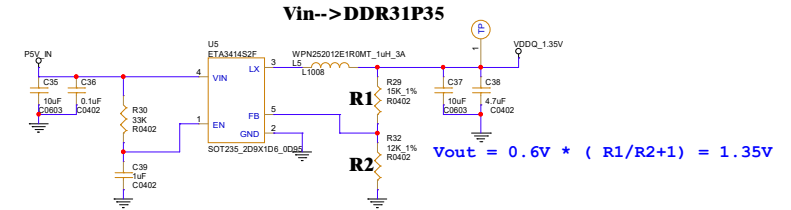
G2822T11U, MAX=2A, OCP=3A;
G5728BT11U, MAX=1A, OCP=2A;
ETA3448S2F, MAX=3A, OCP=4A;
PIN TO PIN;

Note:
SG2002: Need 0.95V!!!

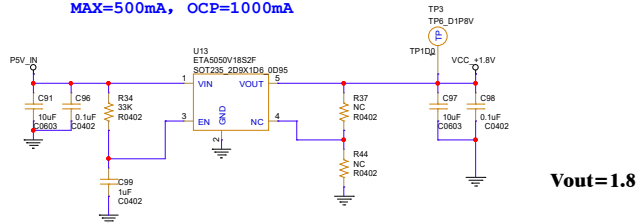


G2822T11U, MAX=2A, OCP=3A;
G5728BT11U, MAX=1A, OCP=2A;
ETA3414S2F, 1A, OCP=2A;
ETA3446S2F, 3A, OCP=4.5A;
以上4个PIN TO PIN;

Note:
SG2002: DDR3L VDDQ=1.35V

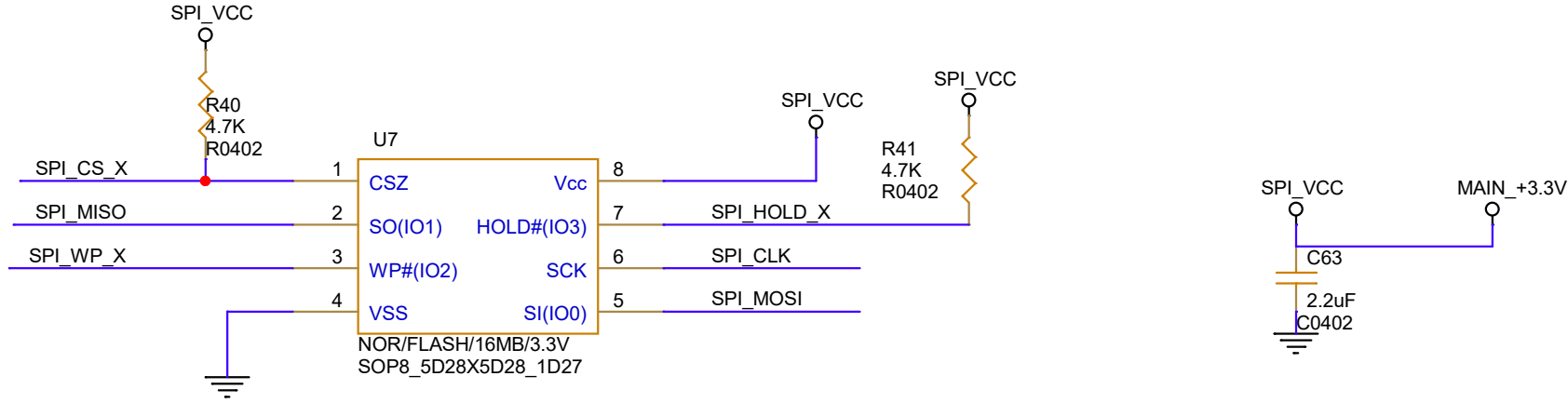


MAX=500mA, OCP=1000mA



Title 05_SYS_Power		
Size	Document Number	Rev
Customer	SG2002_QFN_SIP_DDR	8.0.0
Date	Wednesday, December 13, 2023	Sheet 5 of 10

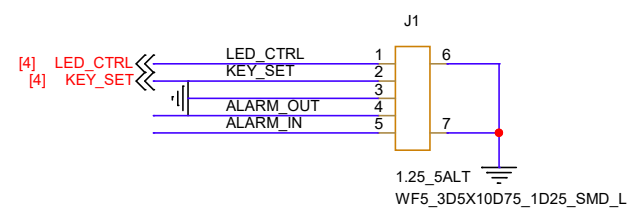
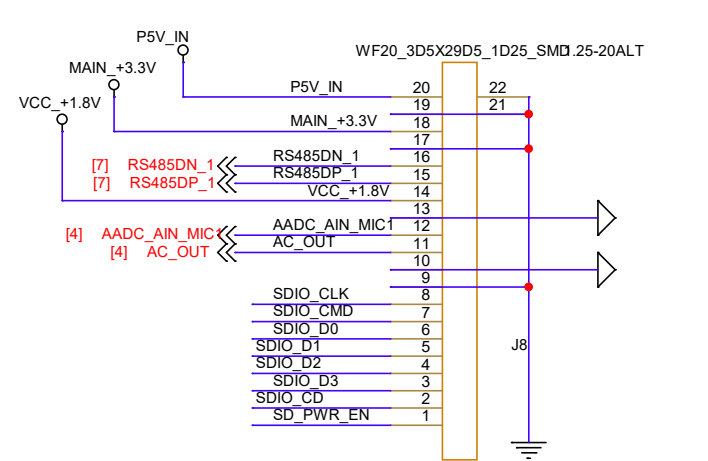
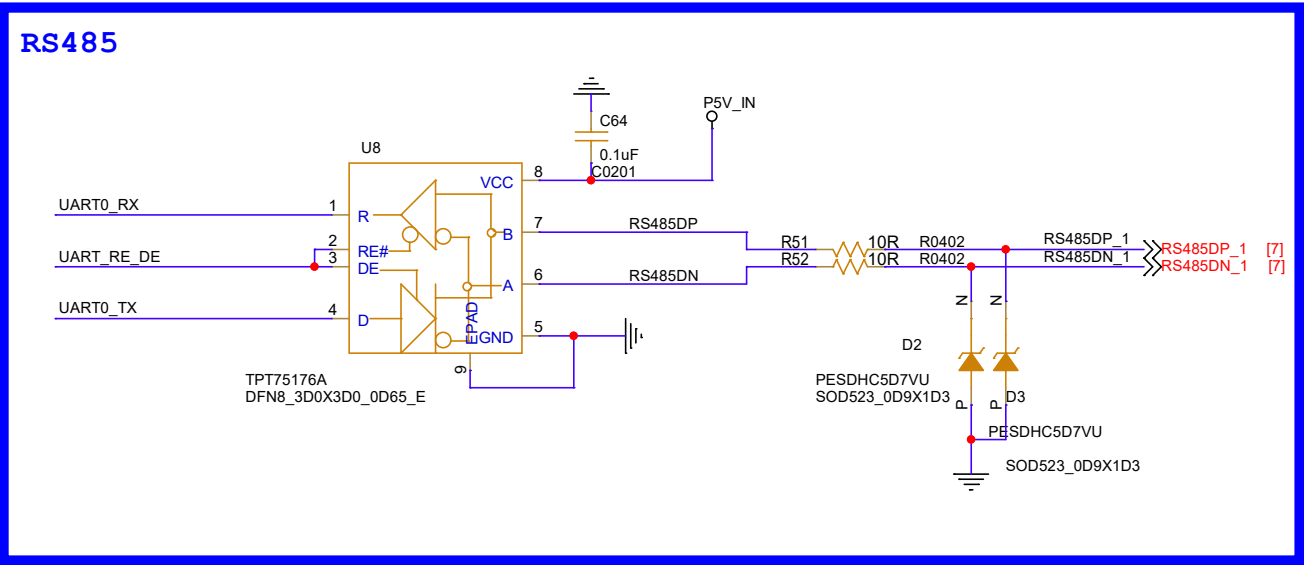
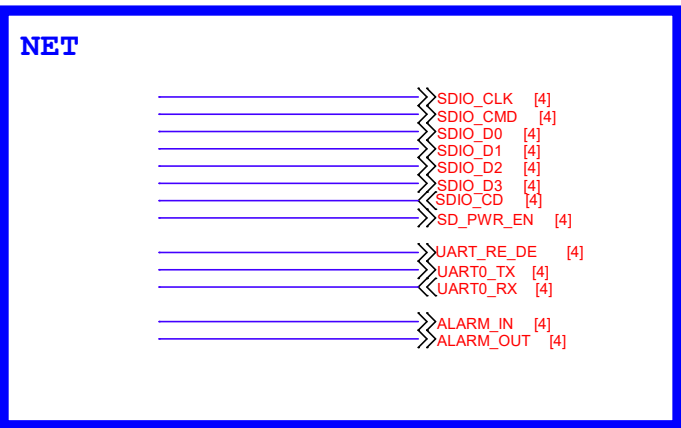
SPINOR



NET



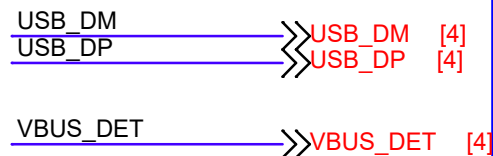
Title			06_eMMC_SDIO_SPIFLASH		
Size	Document Number				Rev
Custom	SG2002_QFN_SIP_DDR				1.0.0
Date:	Wednesday, December 13, 2023		Sheet	6	of 10



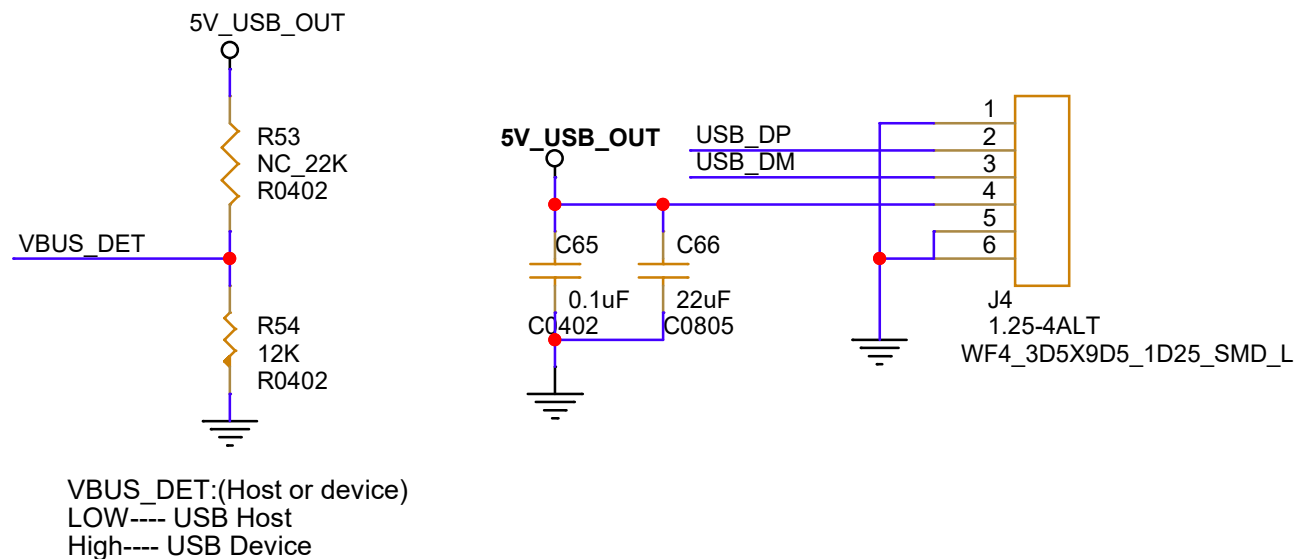
Title			
07_I2C_UART			
Size	Document Number		Rev
Custom	SG2002_QFN_SIP_DDR		1.0.0
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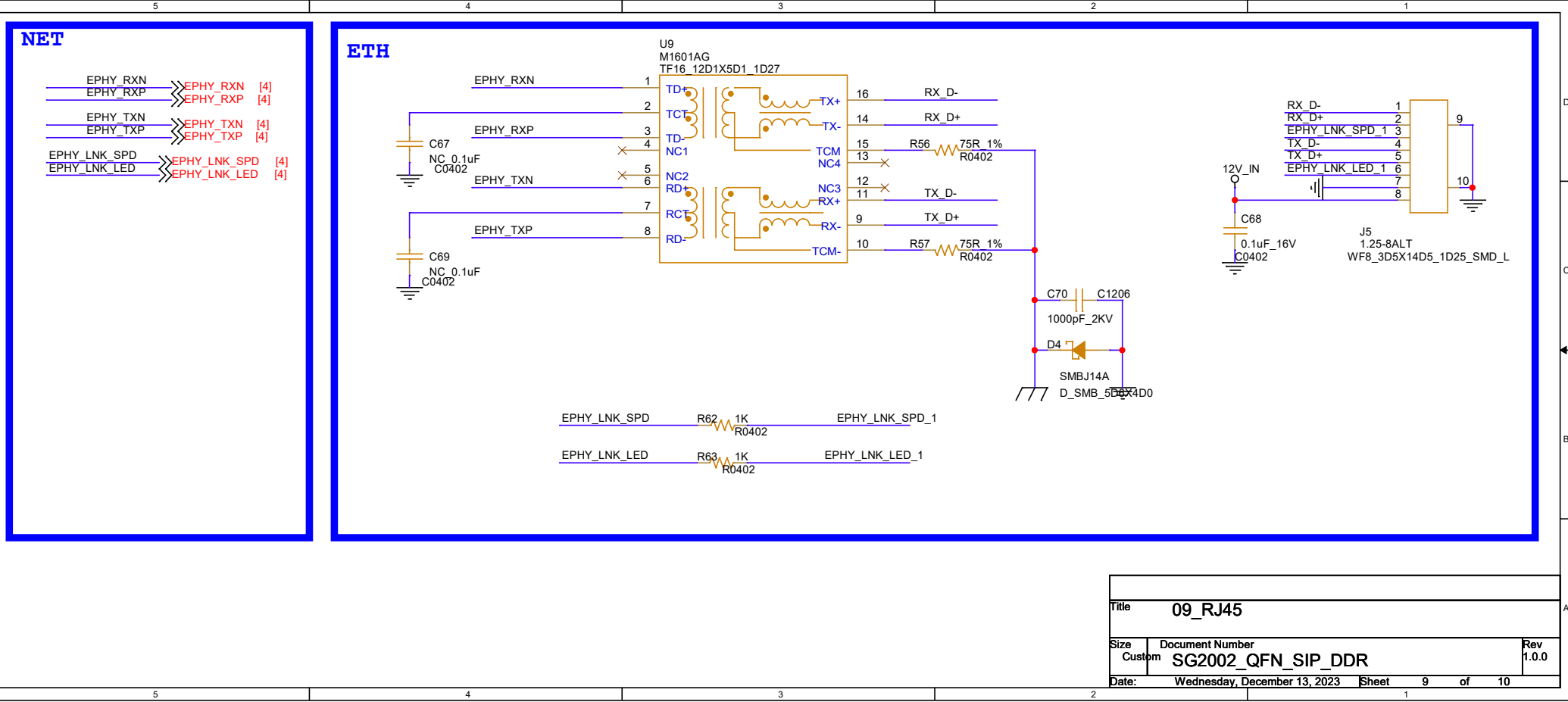
NET



USB

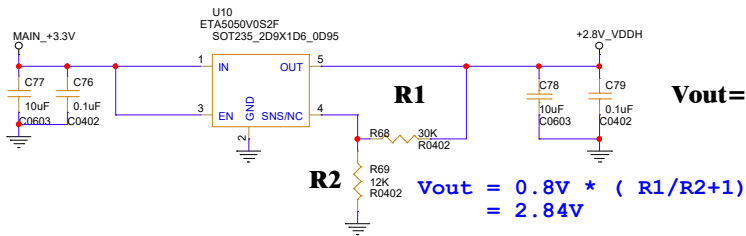


Title			08_USB		
Size	Document Number				Rev
Custom	SG2002_QFN_SIP_DDR				1.0.0
Date:	Wednesday, December 13, 2023		Sheet	8	of 10



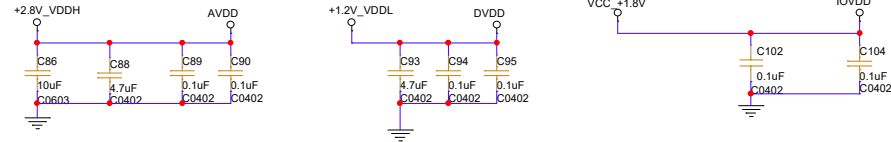
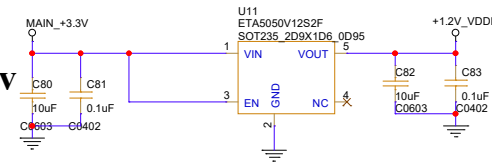
Title			09_RJ45		
Size	Custom	Document Number			Rev
		SG2002_QFN_SIP_DDR			1.0.0
Date:	Wednesday, December 13, 2023			Sheet	9 of 10

MAX=500mA, OCP=1000mA



MAX=500mA, OCP=1000mA

Vout=2.81V



SENSOR

