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Page 21_LPDDR3_CHA_D2		Page 57_USB_Type C_CC+PD_2			
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Page 28_GPU_VCORE		Page 64_IMVP8_CPU_VCCGT			
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Page 32_T_Sense_FAN_CHG_LED					
Page 33_Click_Pad_Reset					
Page 34_BLANK					
Page 35_Display_eDP Panel					
Page 36_Touch Panel					

The type and specification of the components refer to the BOM					
				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Schematic1		00001234	
REVIEWED	LISI XXXXX			1_INDEX	
		VER	PART_NUMBER	SHEET OF 75	
		A	03030001	HUAWEI TECH CO.,LTD.	

2_System Block Diagram

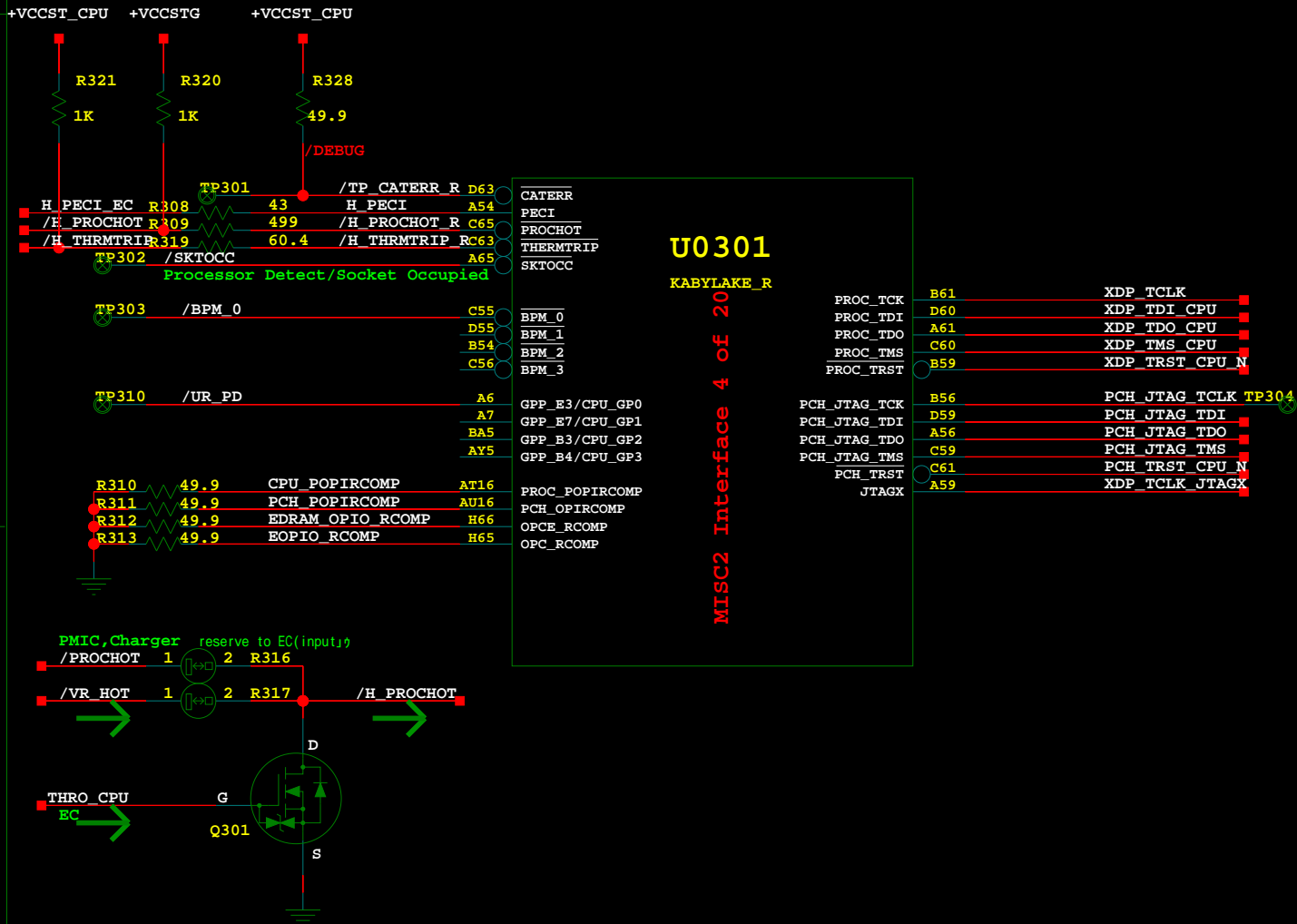
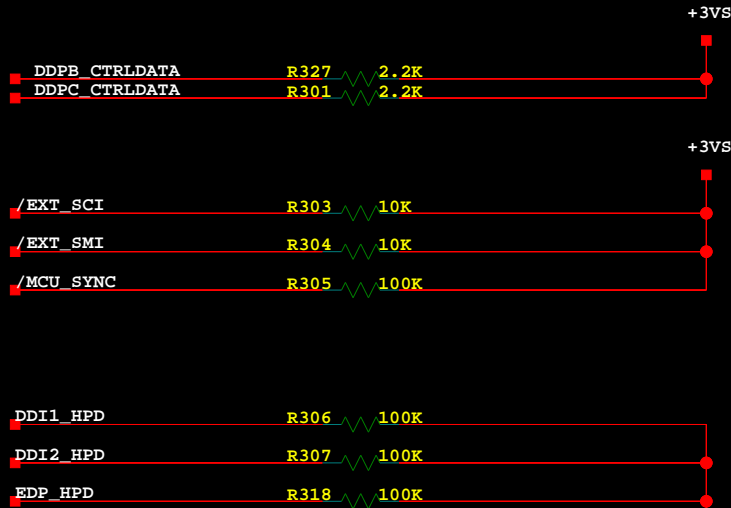
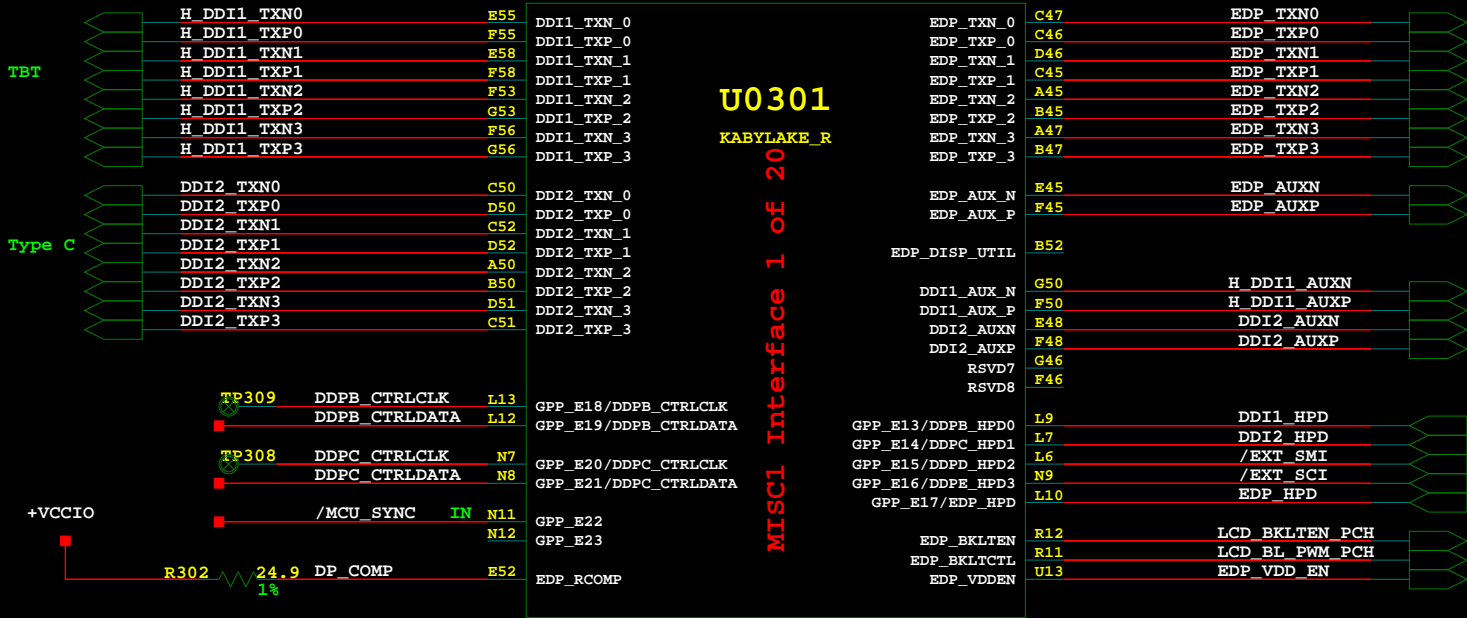
The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Schematic1		00001234	
REVIEWED	LISI XXXXX			2_System Block Diagram	
		VER	PART_NUMBER	SHEET	OF 75
		A	03030001	HUAWEI TECH CO.,LTD.	

3_CPU_Display

DDI Disabling and Termination Guidelines

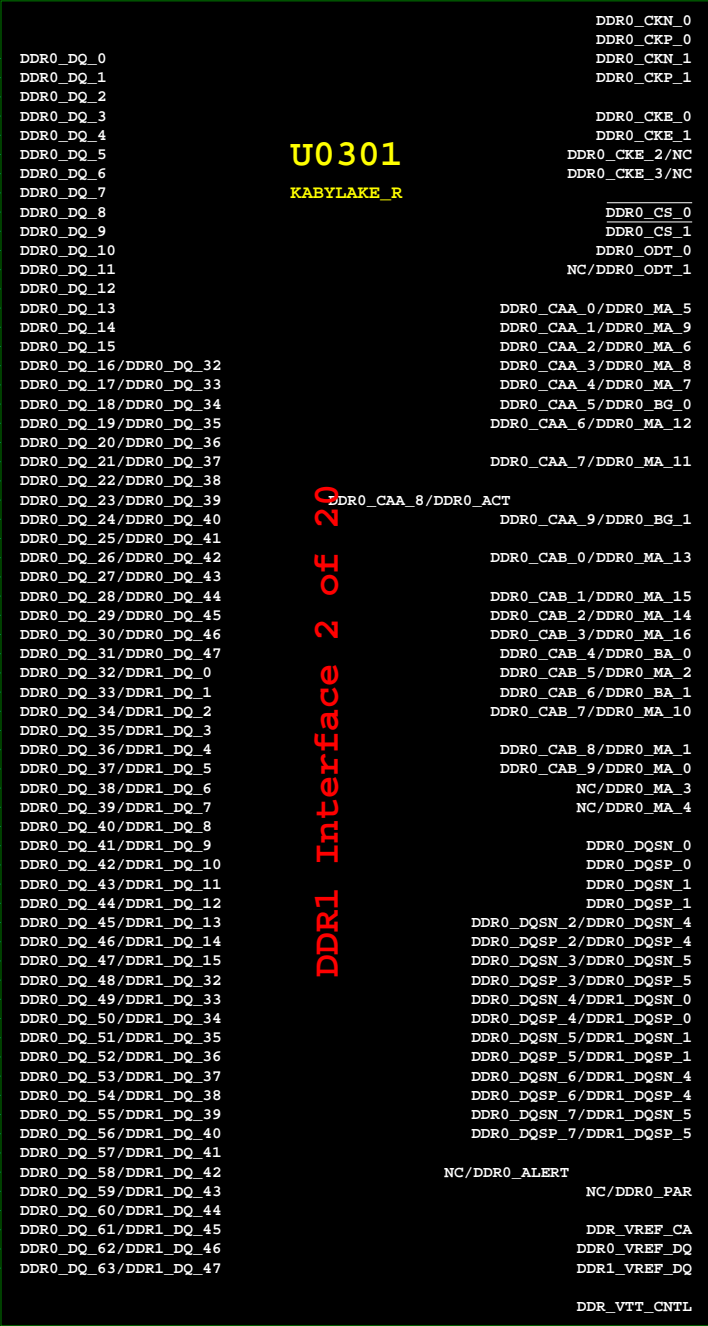
Port	Strap	How to Enable Port	How to Disable Port
Port 1	DDPB_CTRLDATA	Pull up to 3.3V with 2.2K ohm	No Connect
Port 2	DDPC_CTRLDATA	Pull up to 3.3V with 2.2K ohm	No Connect



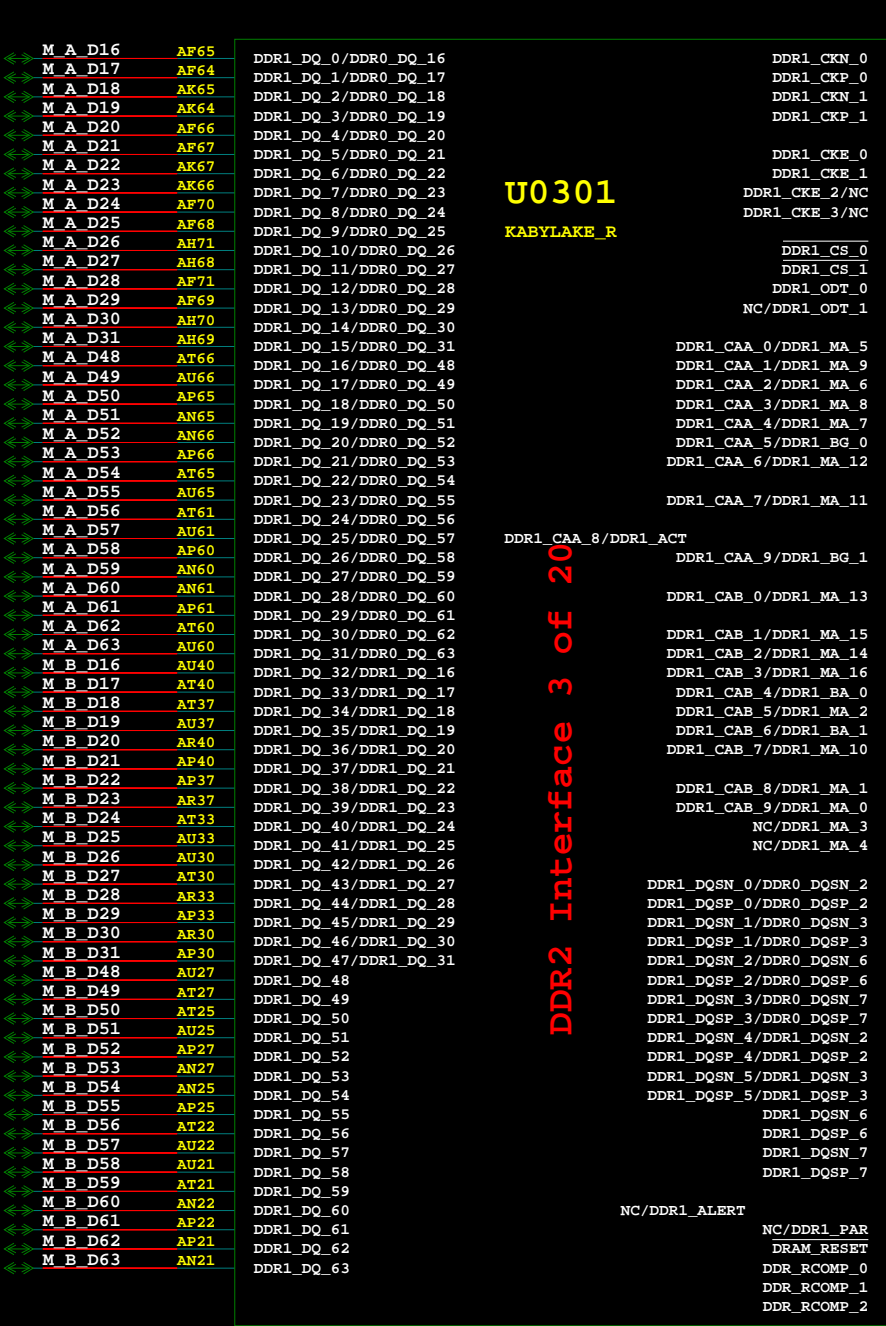
The type and specification of the components refer to the BOM

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DESIGNED	ZHANGSAN XXXXX	Schematic1		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 1 OF 1	
		A	03030001	HUAWAI TECH CO.,LTD.	

4_CPU_Memory



DDR1 Interface 2 of 20

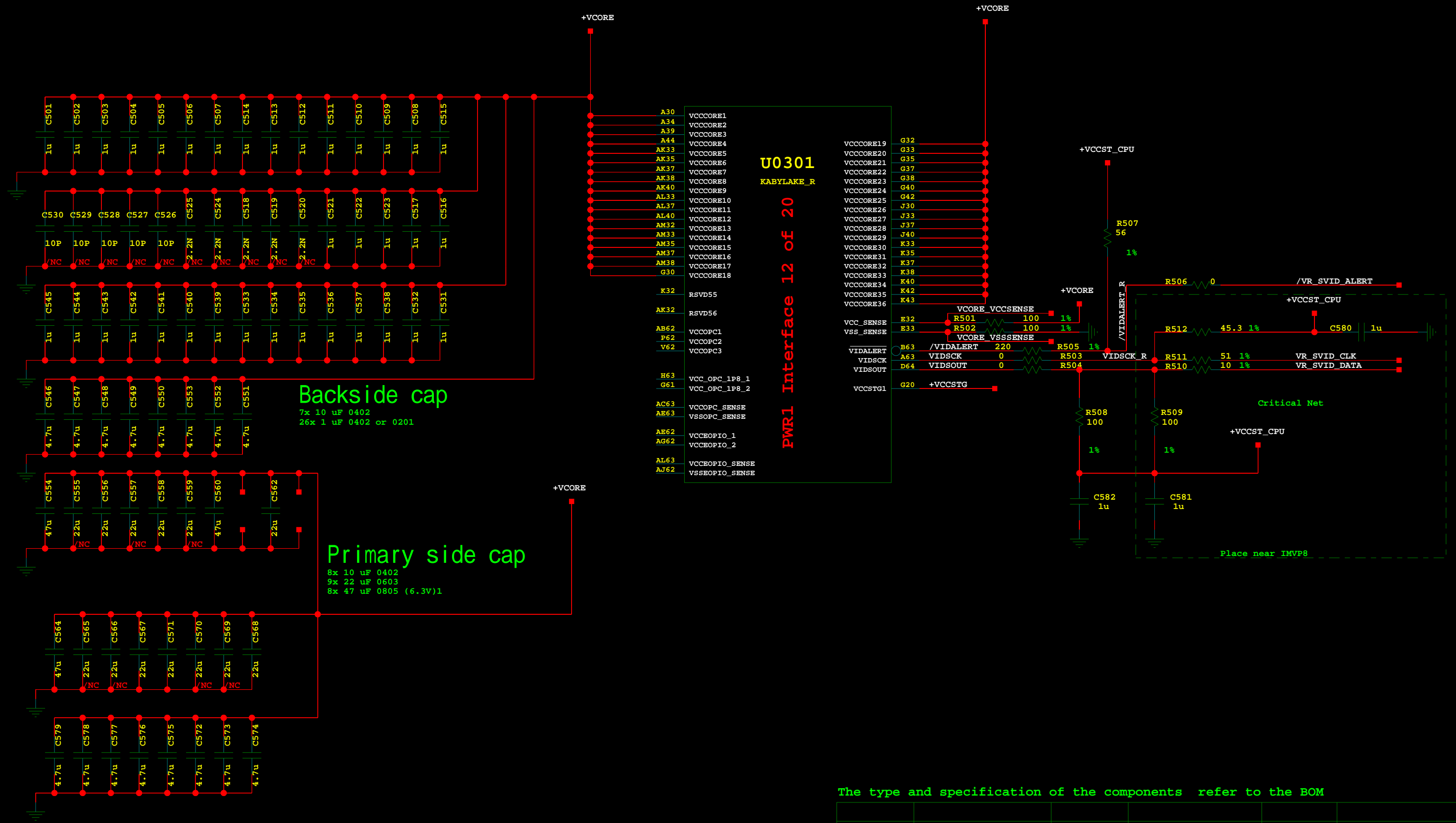


DDR2 Interface 3 of 20

The type and specification of the components refer to the BOM

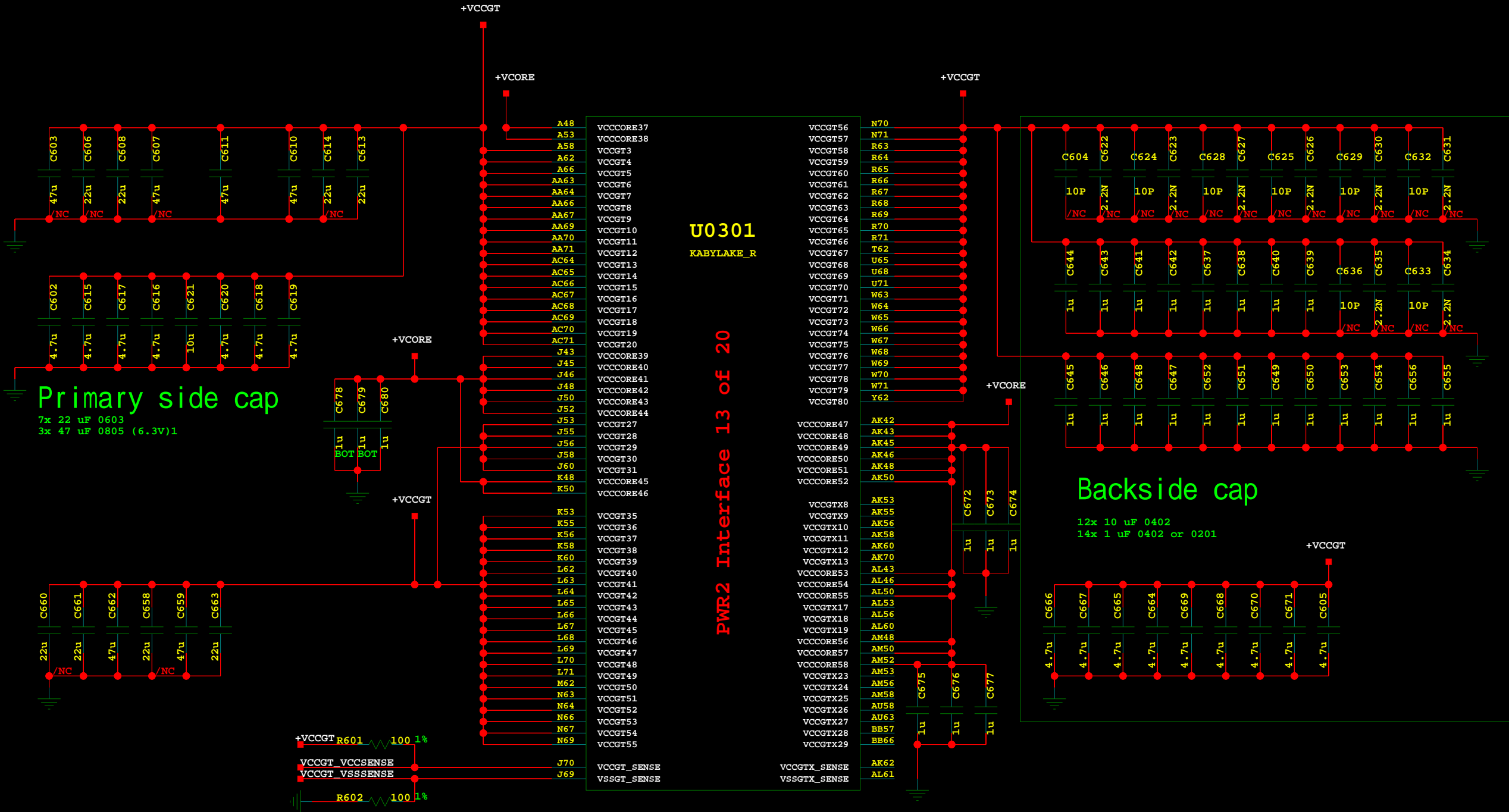
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DESIGNED	ZHANGSAN XXXXX	Watt	00001234		
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		A	03030001	HUAWEI TECH CO.,LTD.	

5_CPU_+VCORE



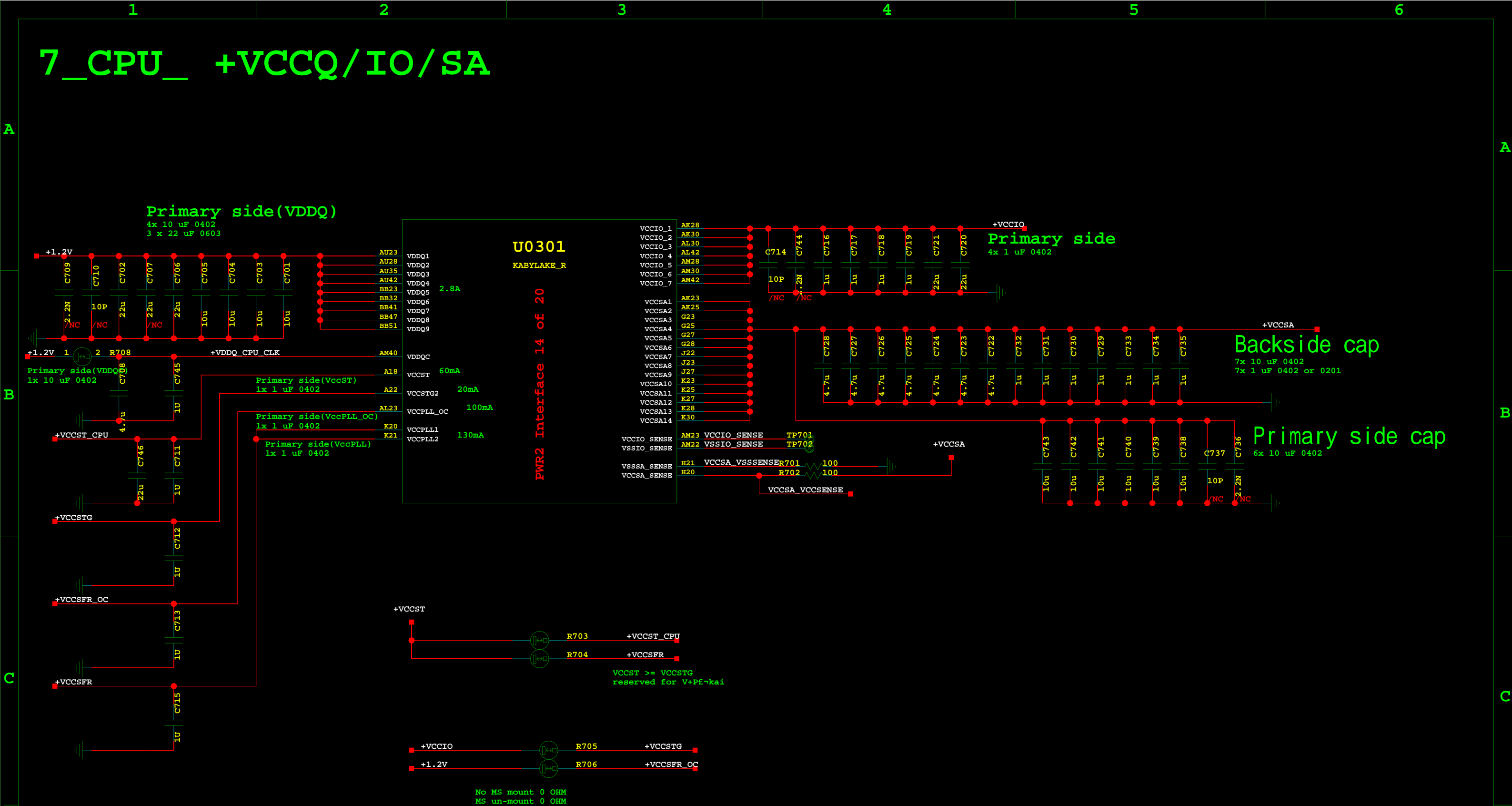
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REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 3 OF 3	
		A	03030001	HUAWEI TECH CO.,LTD.	

6_CPU_+VCCGT



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Schematic1		00001234	
REVIEWED	LISI XXXXX			6_CPU_ +VCCGT	
		VER	PART_NUMBER	SHEET	OF 75
		A	03030001	HUAWEI TECH CO.,LTD.	



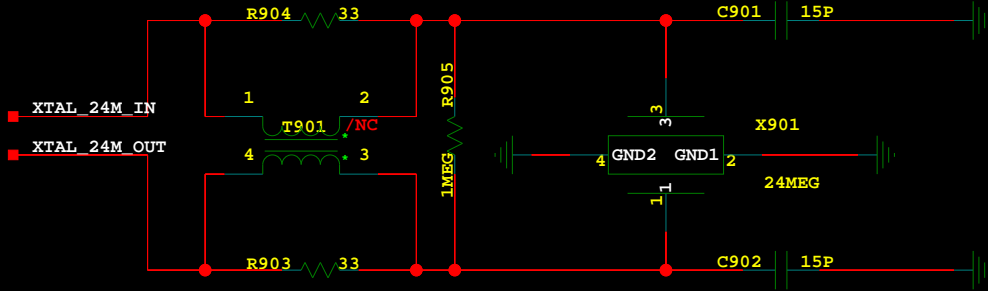
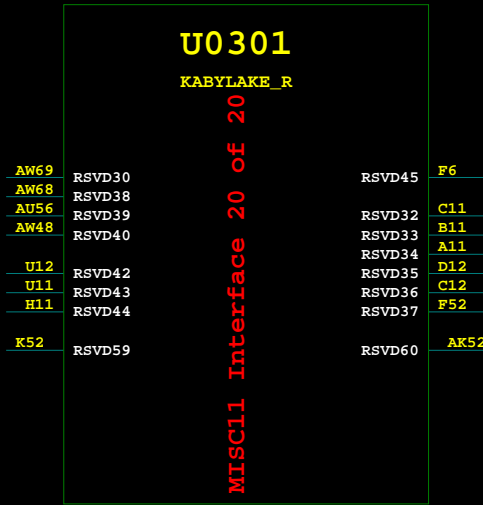
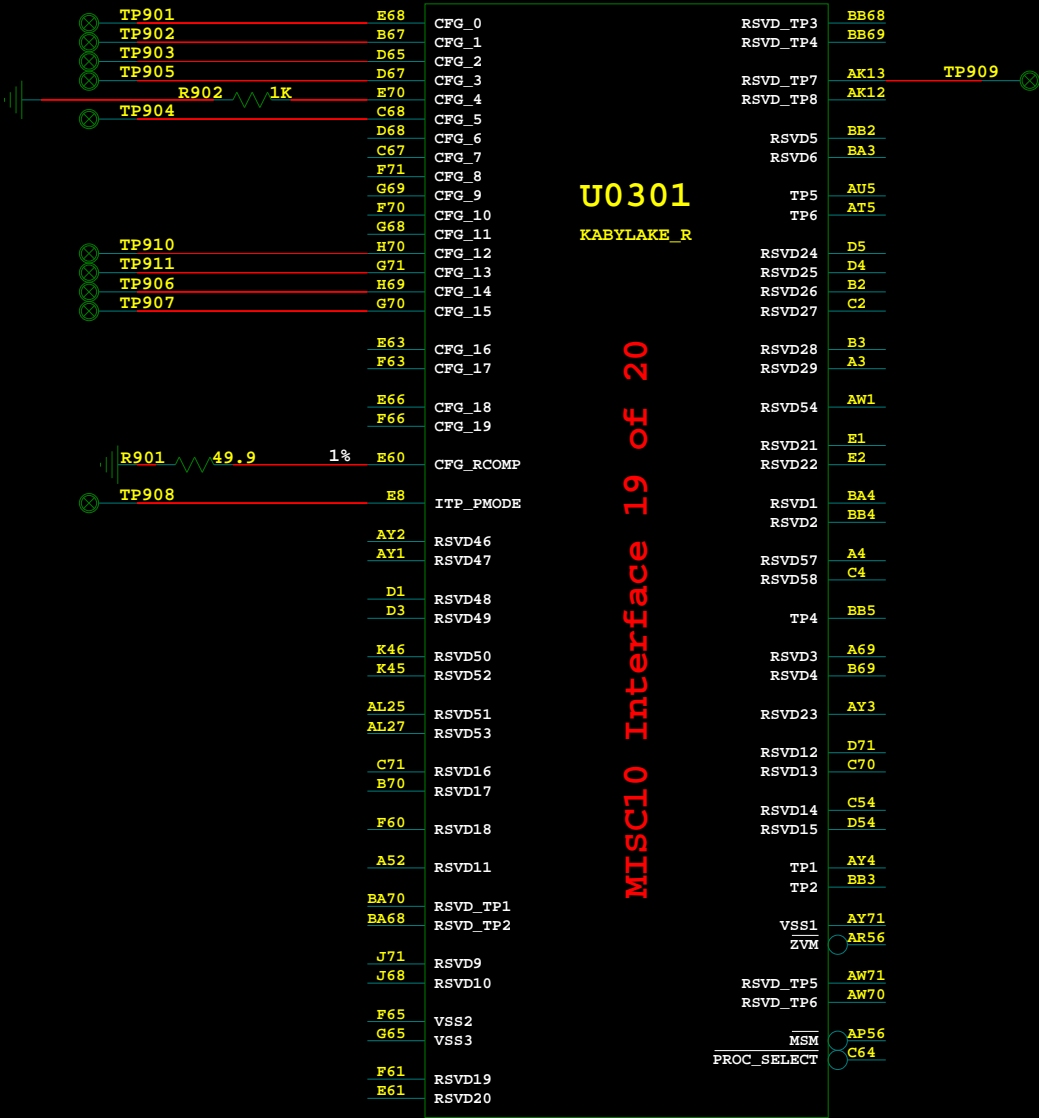
8_CPU_ GND



The type and specification of the components refer to the BOM

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				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 6 OF 6	
		A	03030001	HUAWEI TECH CO.,LTD.	

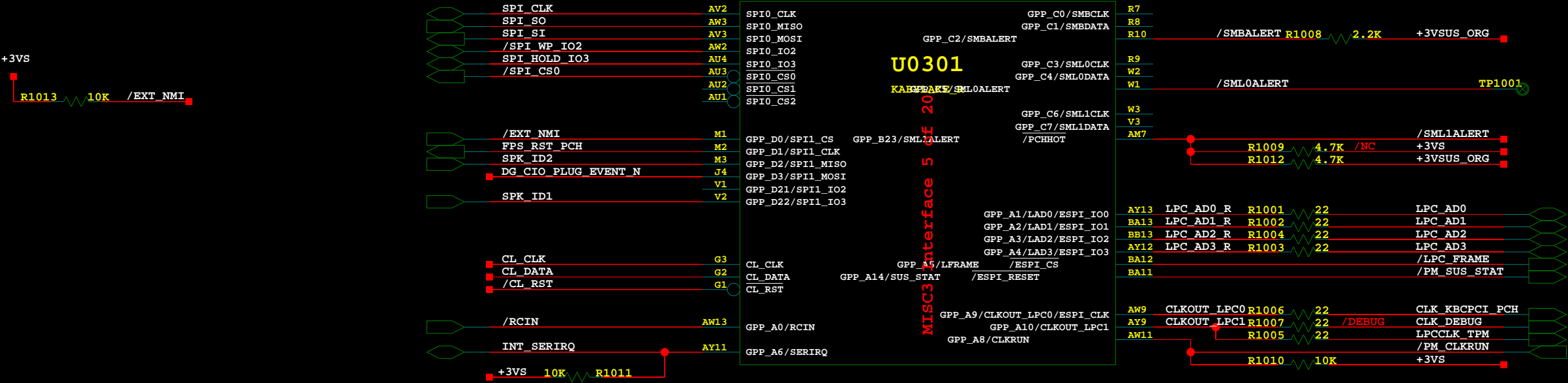
9_CPU_CFG/RSVD/XTAL/THRM_IC



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 7 OF 7	
		A	03030001	HUAWEI TECH CO.,LTD.	

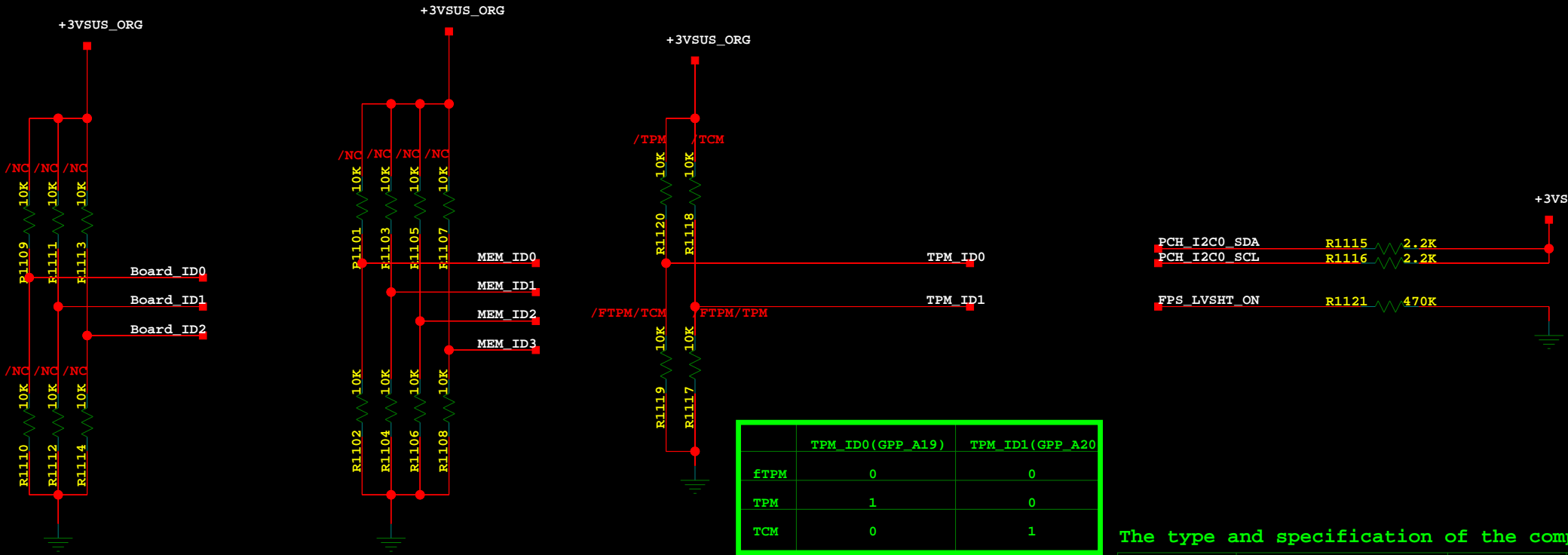
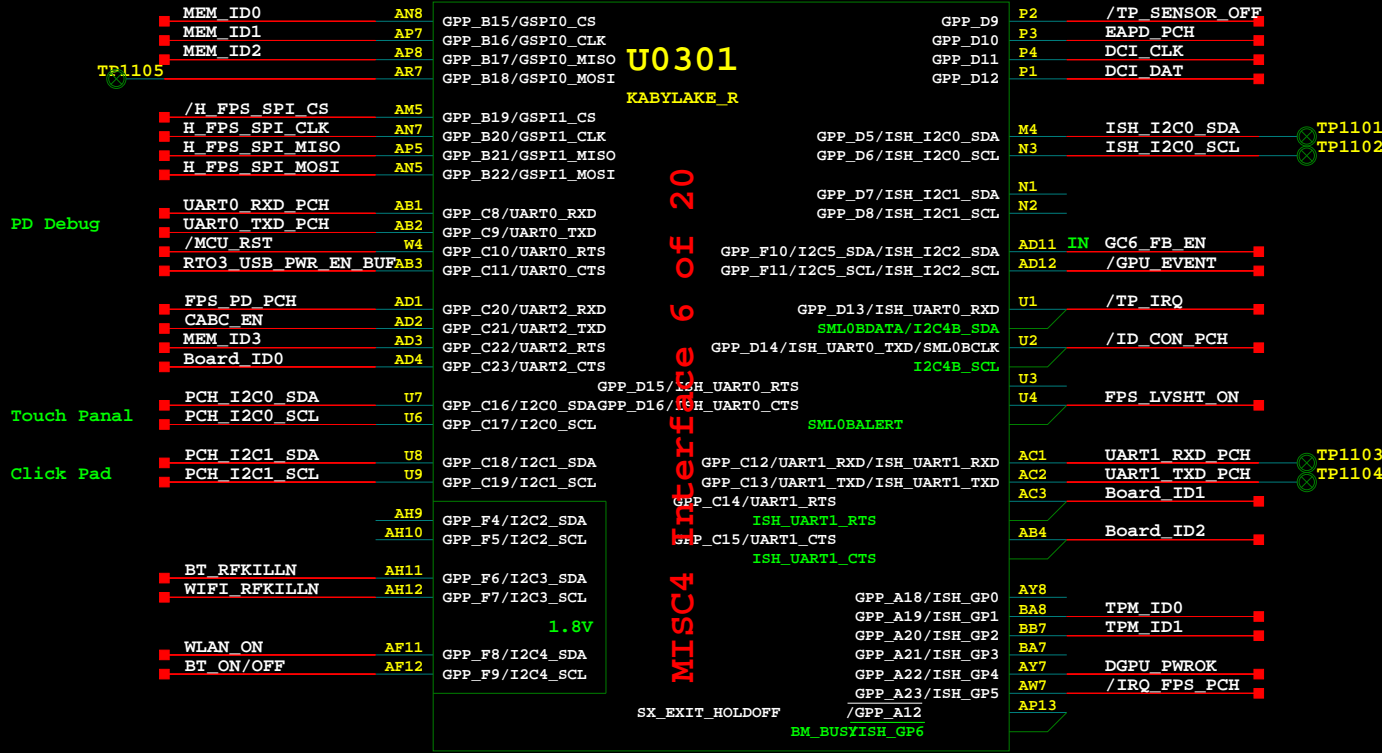
10_PCH_SPI/LPC



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 34 OF 13	
		A	03030001	HUAWAI TECH CO.,LTD.	

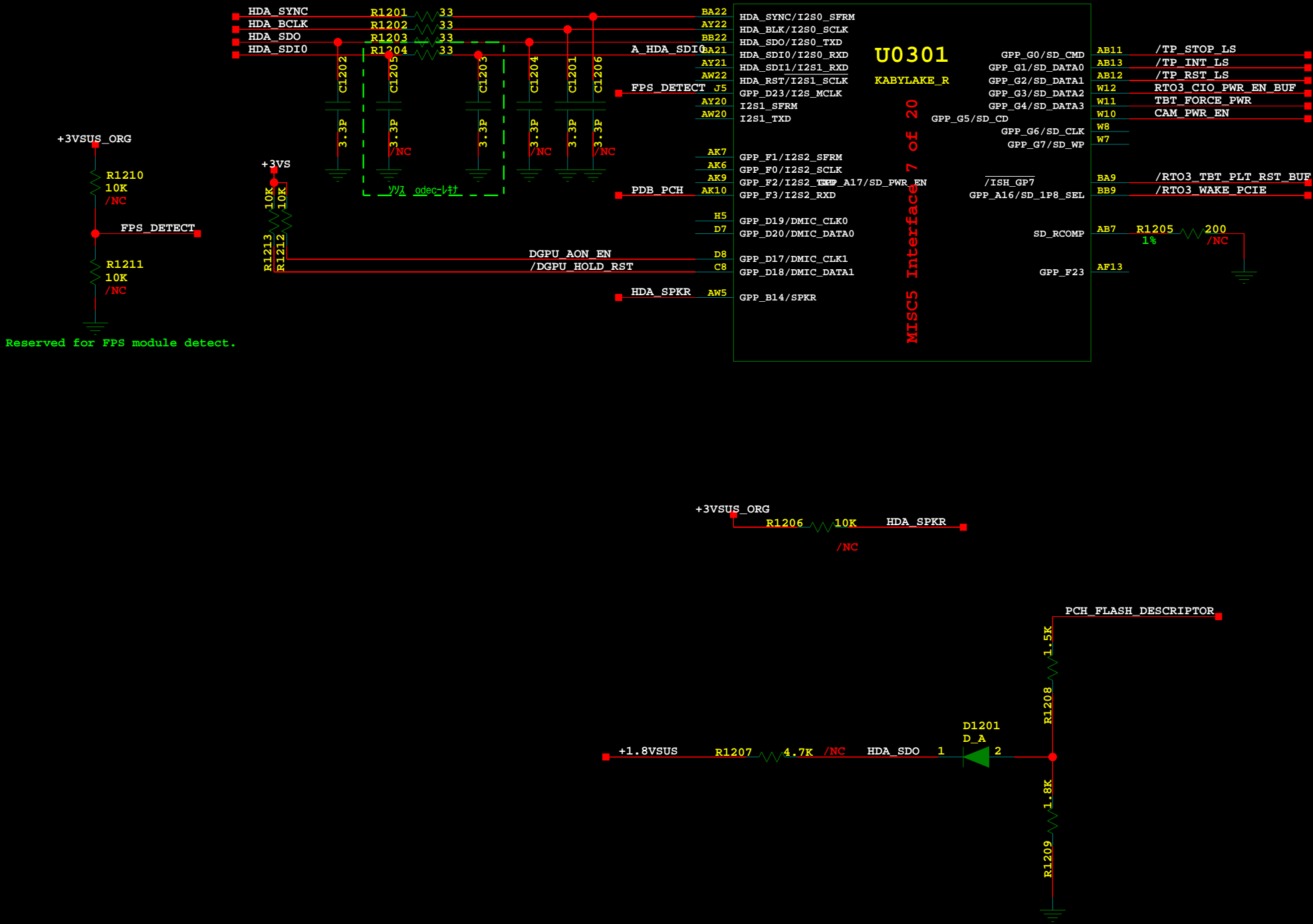
11_PCH_ GSPI/UART/I2C/ISH



The type and specification of the components refer to the BOM

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				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 35 OF 14	
		A	03030001	HUAWAI TECH CO.,LTD.	

12_PCH_HDA/I2S/DMIC/SDIO



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 36 OF 15	
		A	03030001	HUAWAI TECH CO.,LTD.	

13_PCH_PCIE/SATA/USB

DGPU

SSD
(PCIE X4)

TBT
(PCIE X2)

WIFI

U0301
KABYLAKE_R

MISC6 Interface 8 of 20

Type C CON1

Type A

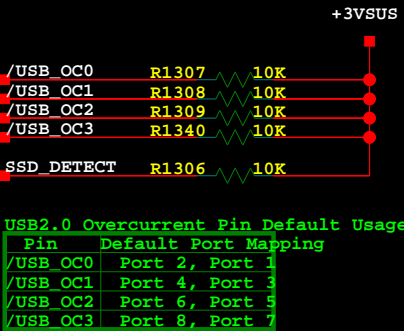
Type C CON1

Type A

Type C CON2

BT

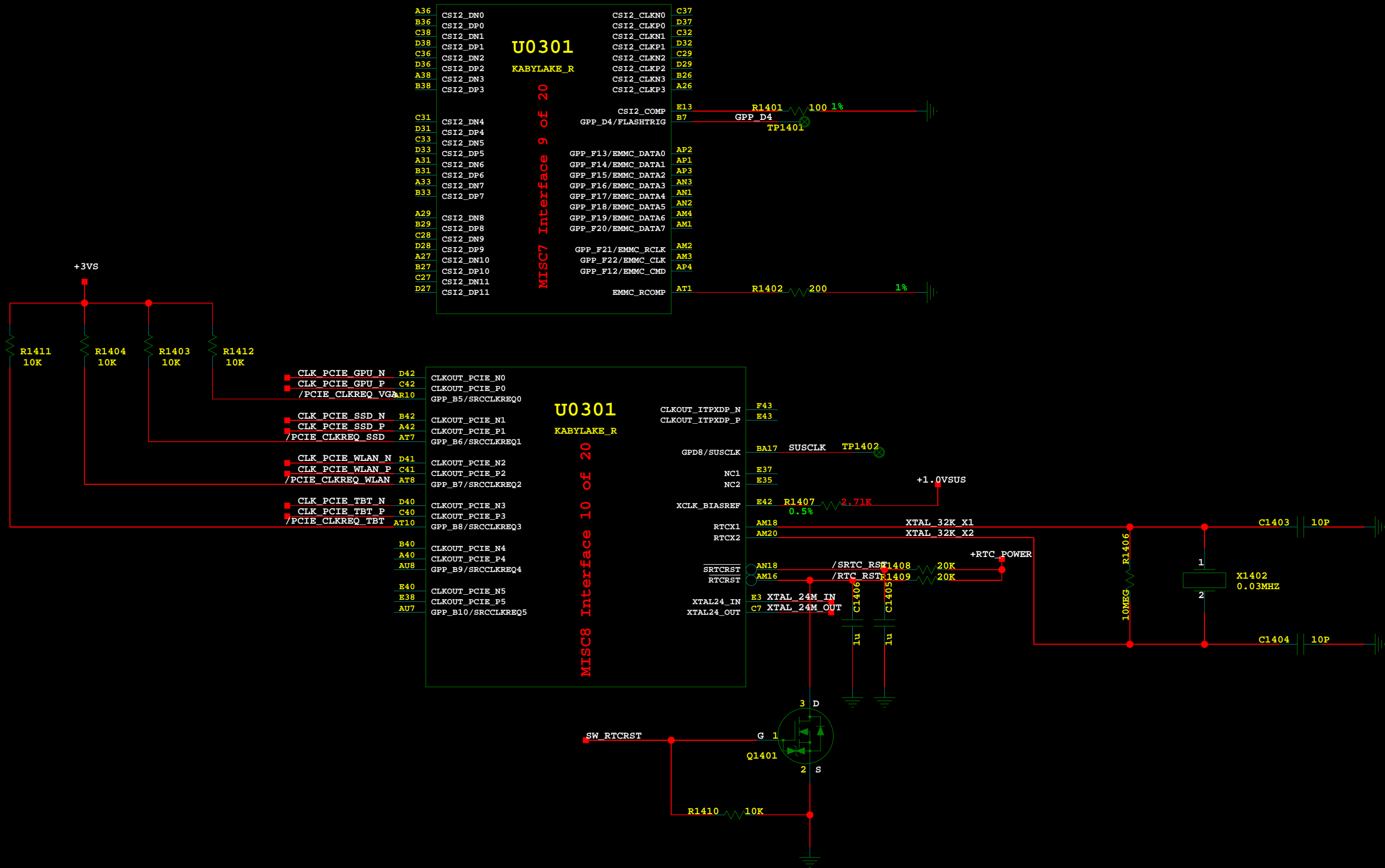
Camera



The type and specification of the components refer to the BOM

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DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 37 OF 16	
		A	03030001	HUAWEI TECH CO.,LTD.	

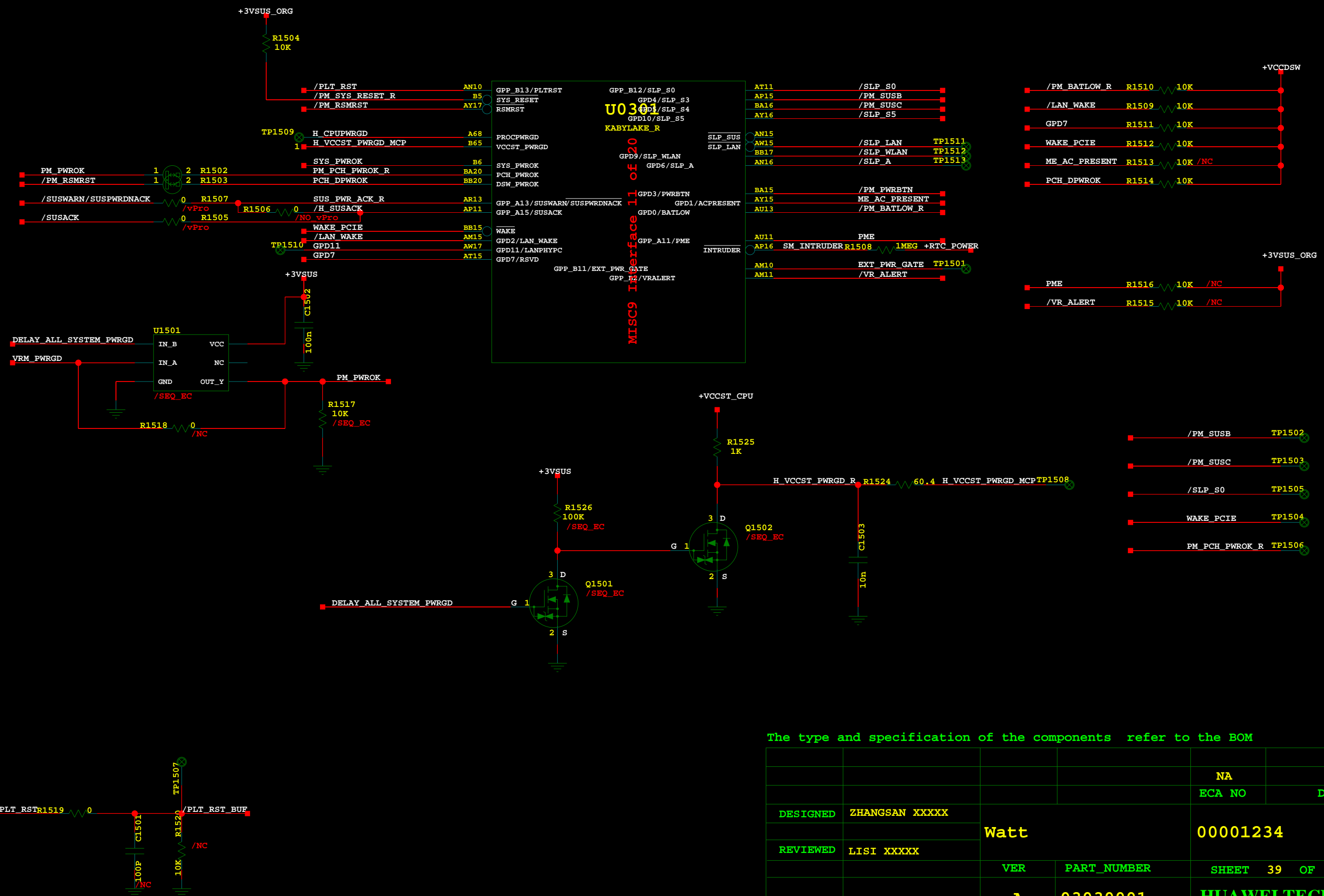
14_PCH_ CLK/RTC/XTAL



The type and specification of the components refer to the BOM

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DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 38 OF 17	
		A	03030001	HUAWAI TECH CO.,LTD.	

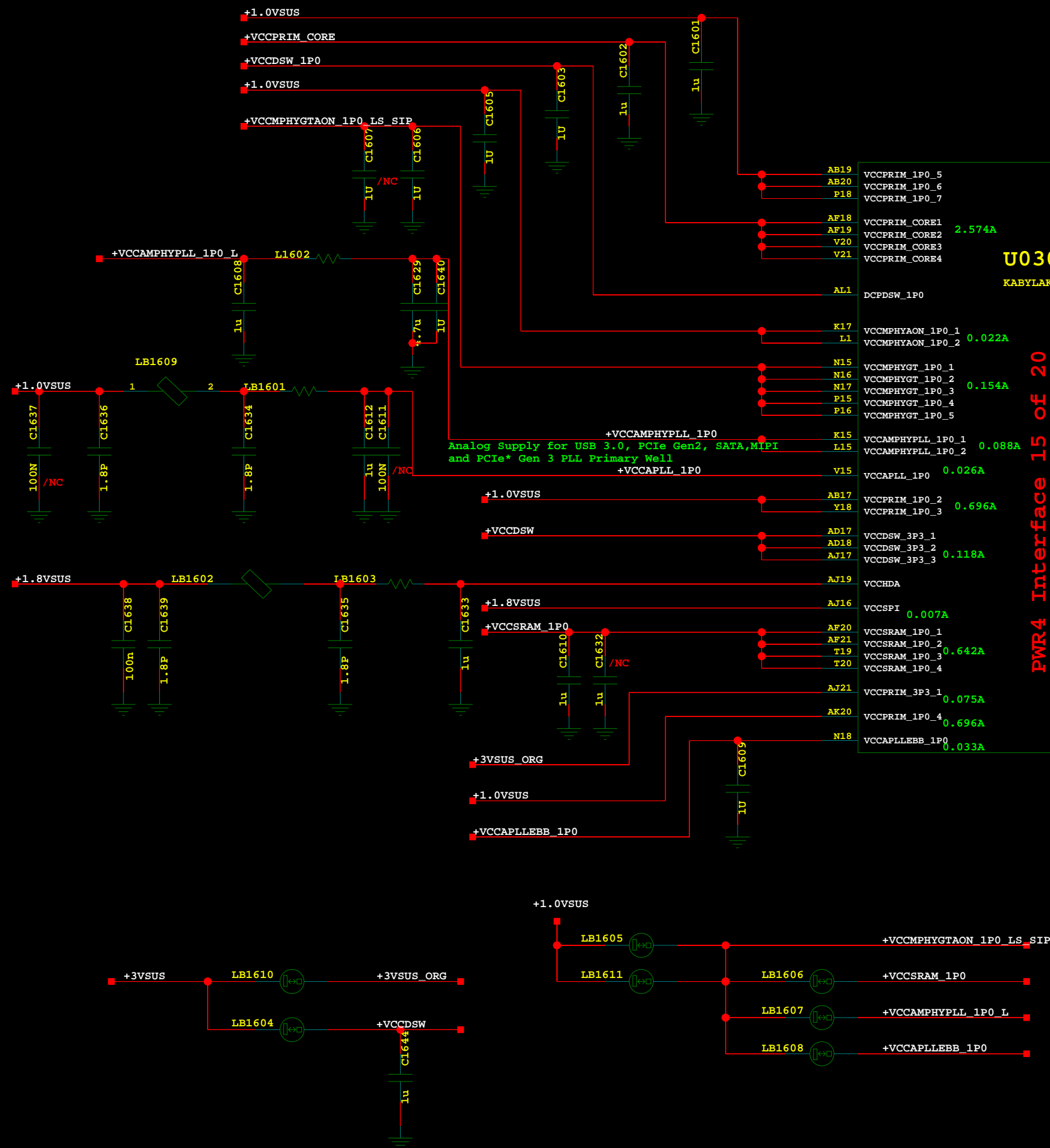
15_PCH_Power Management



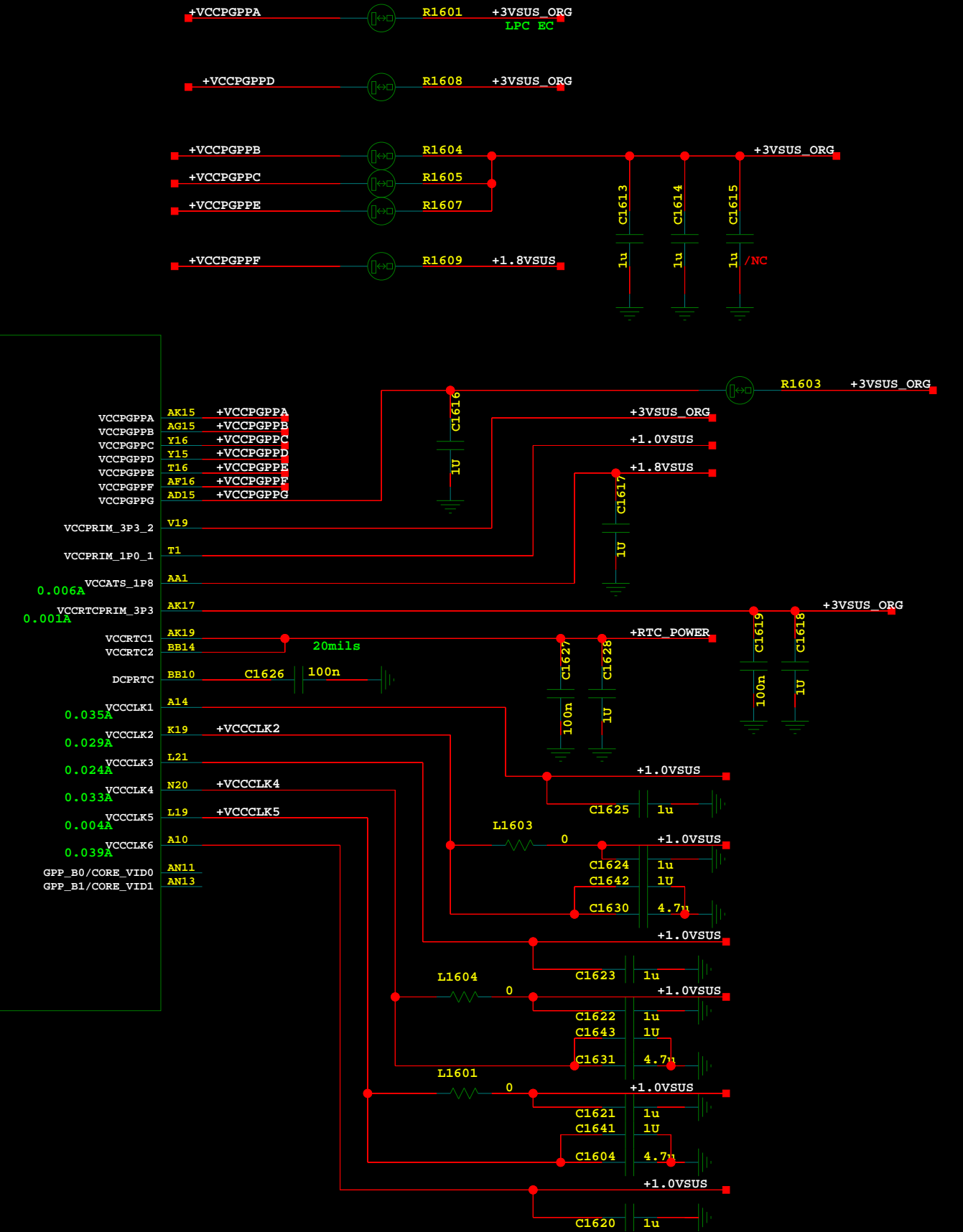
The type and specification of the components refer to the BOM

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DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 39 OF 18	
		A	03030001	HUAWEI TECH CO.,LTD.	

16_PCH_Power

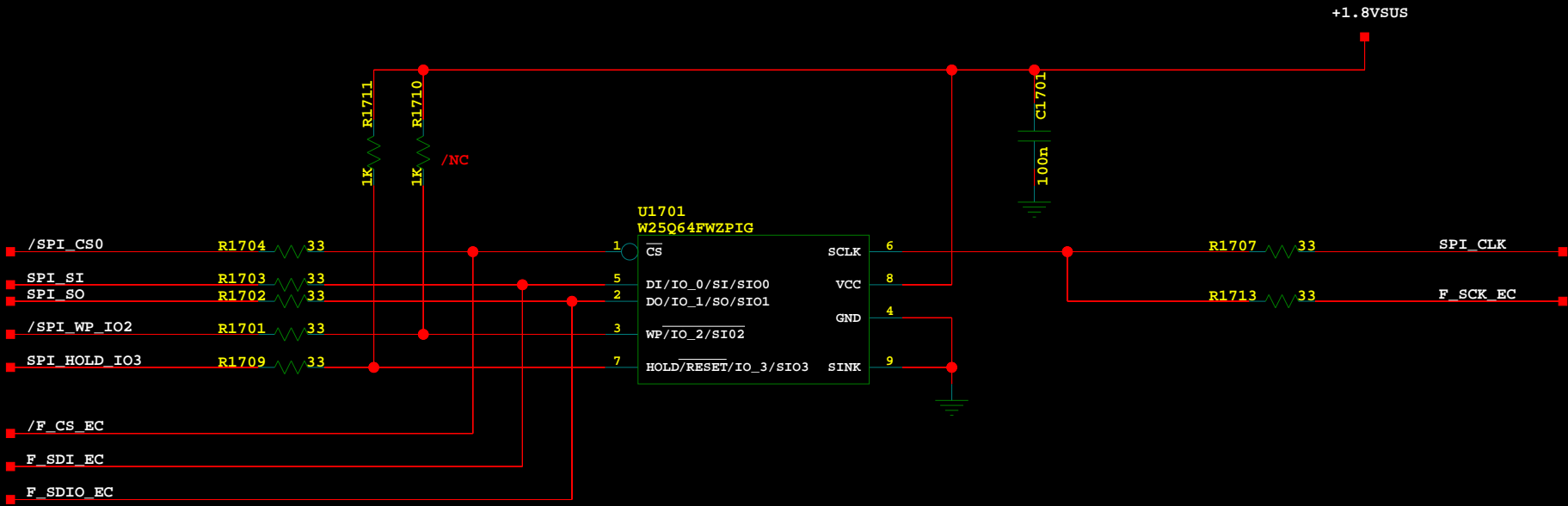


PWR4 Interface 15 of 20



The type and specification of the components refer to the BOM					
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REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 40 OF 19	
		A	03030001	HUAWEI TECH CO.,LTD.	

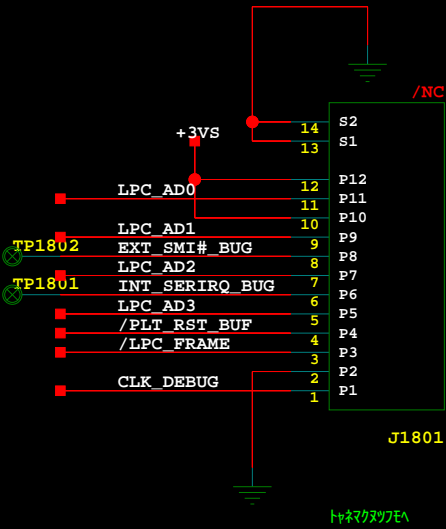
17_BIOS/EC ROM



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 41 OF 20	
		A	03030001	HUAWEI TECH CO.,LTD.	

18_LPC_DEBUG



The type and specification of the components refer to the BOM

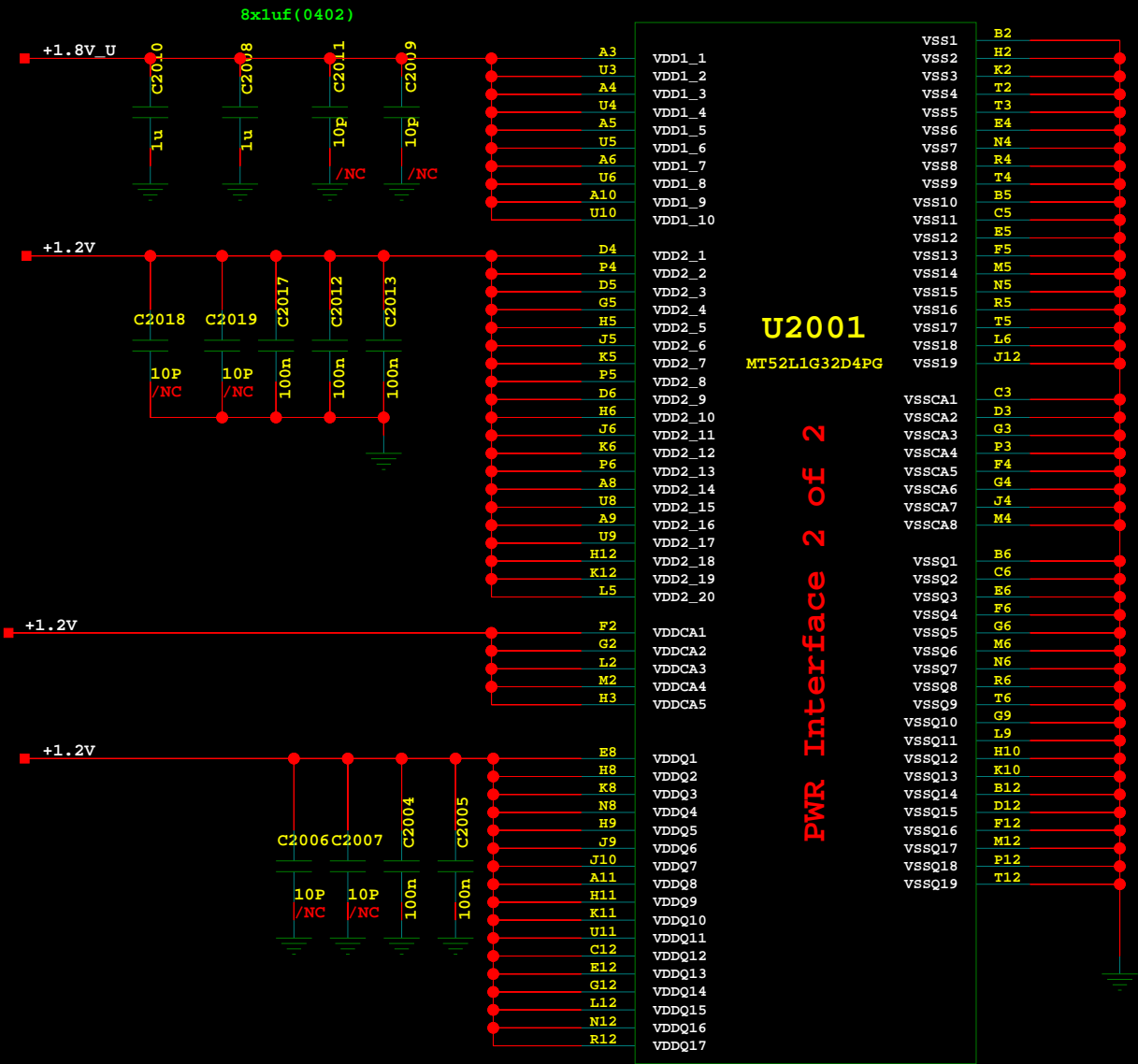
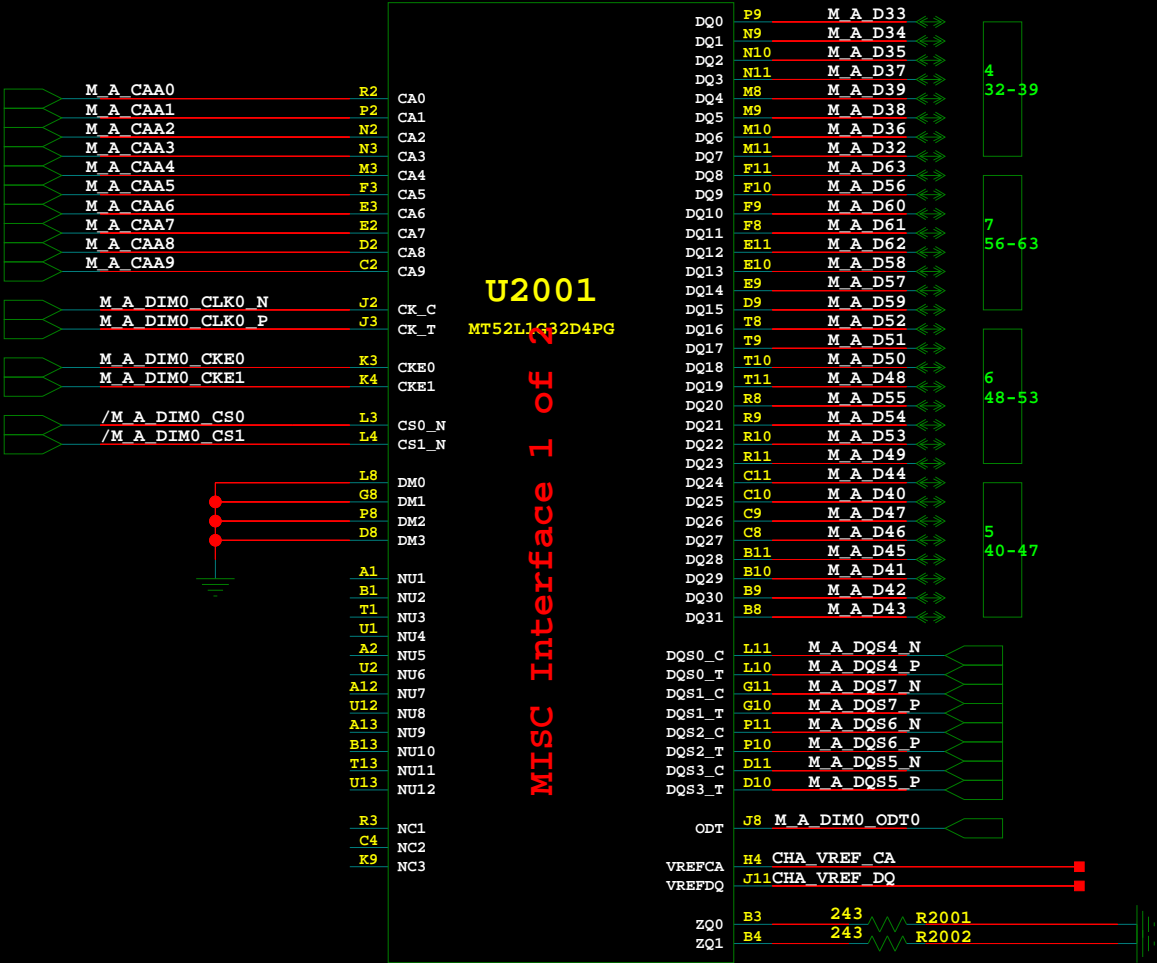
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DESIGNED	ZHANGSAN XXXXX	Mach		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 97 OF 60	
		A	03030001	HUAWEI TECH CO.,LTD.	

19_BLANK

The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Mach		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 98 OF 61	
		A	03030001	HUAWEI TECH CO.,LTD.	

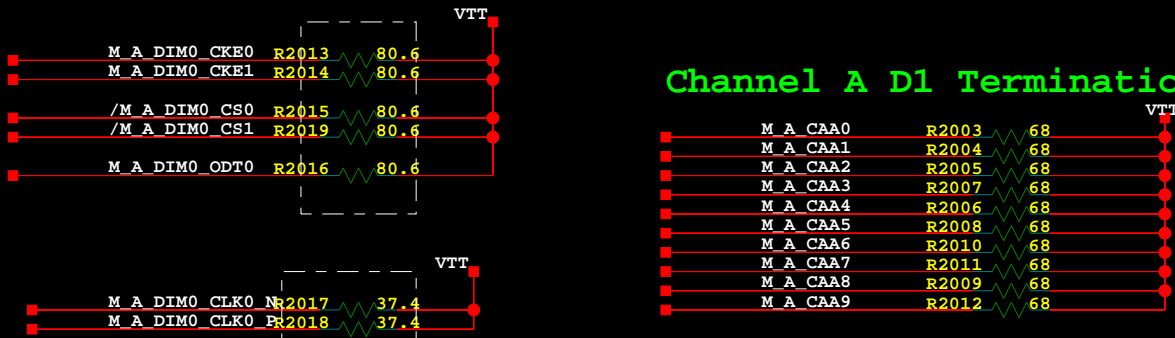
20_LPDDR3_CHA_D1



Channel A decoupling Caps



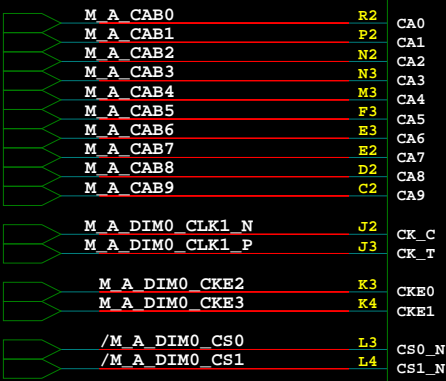
Channel A D1 Terminations



The type and specification of the components refer to the BOM

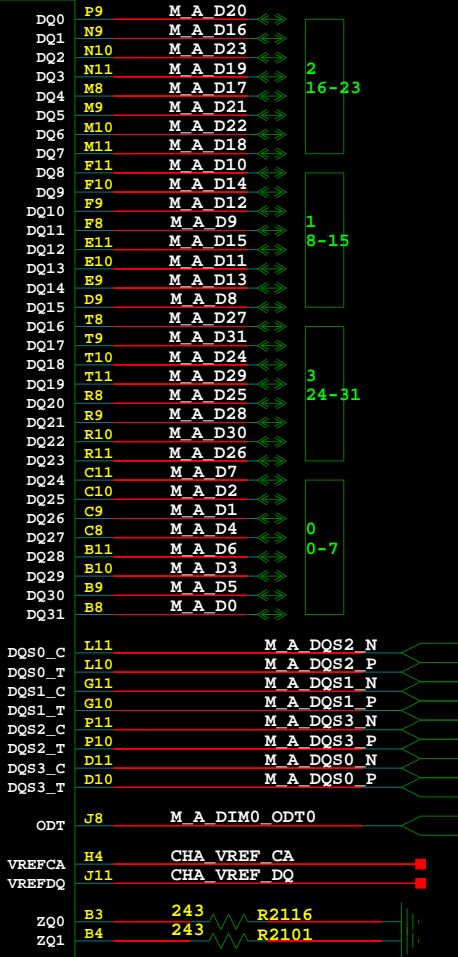
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DESIGNED	ZHANGSAN XXXXX	Mach		00001234	
REVIEWED	LISI XXXXX			20_LPDDR3_CHA_D1	
		VER	PART_NUMBER	SHEET	OF 75
		A	03030001	HUAWEI TECH CO.,LTD.	

21_LPDDR3 CHA-D2

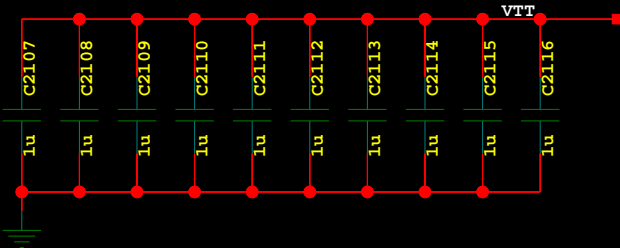


U2101
MT52L1G32D4PG

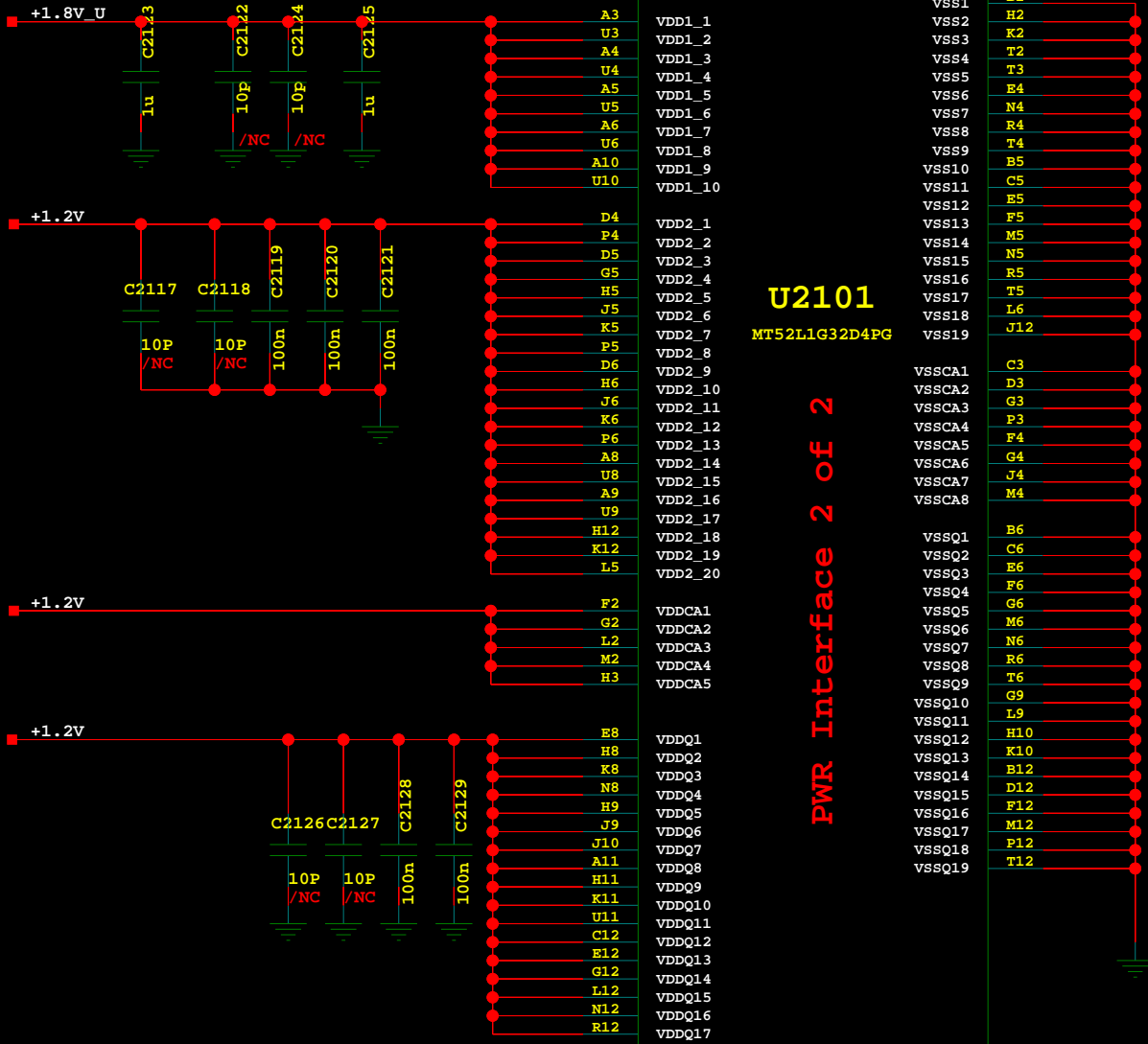
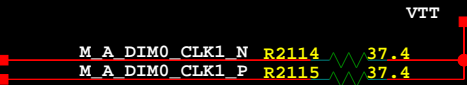
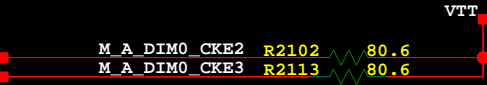
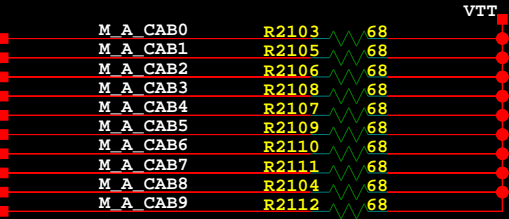
MISC Interface 1 of 2



VTT decaps,Pls place these caps close to 4 LPDDR Chip



Channel A D2 Terminations



U2101
MT52L1G32D4PG

PWR Interface 2 of 2

The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	LIUQINKAI 00365571	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 31	OF 31
		A	03030001	HUAWEI TECH CO.,LTD.	

22_LPDDR3_CHB-D1

A

B

C

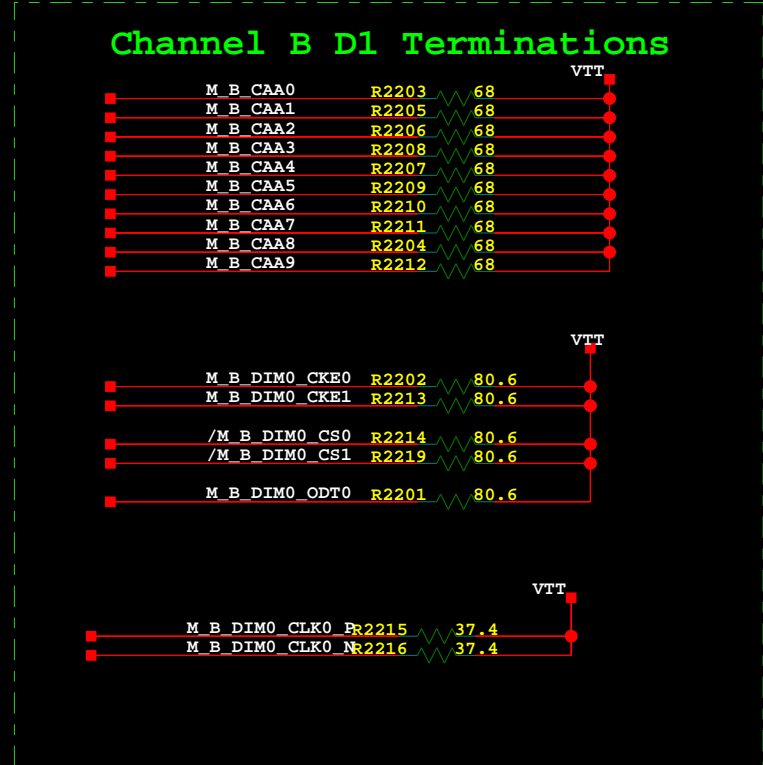
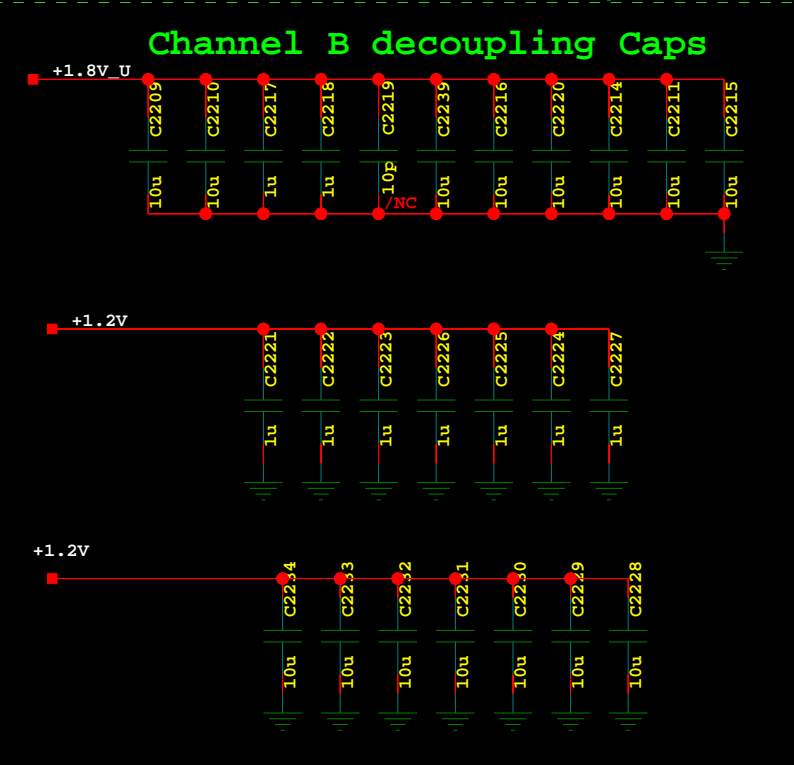
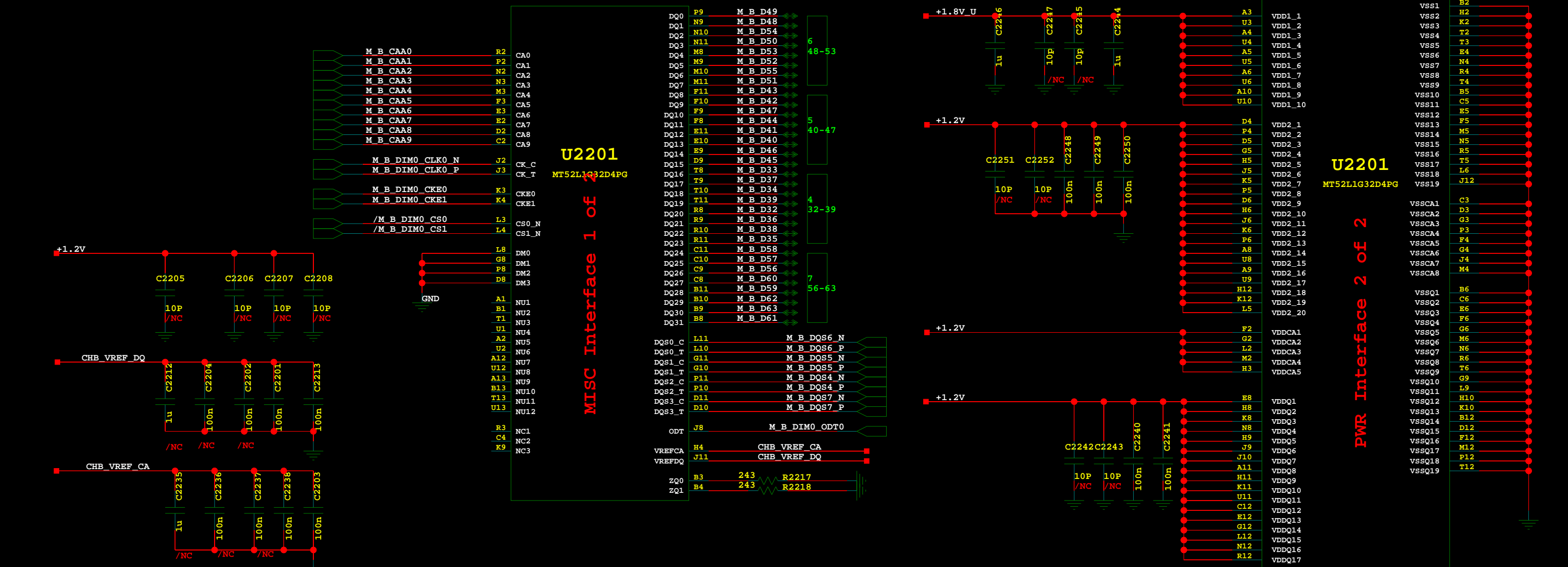
D

A

B

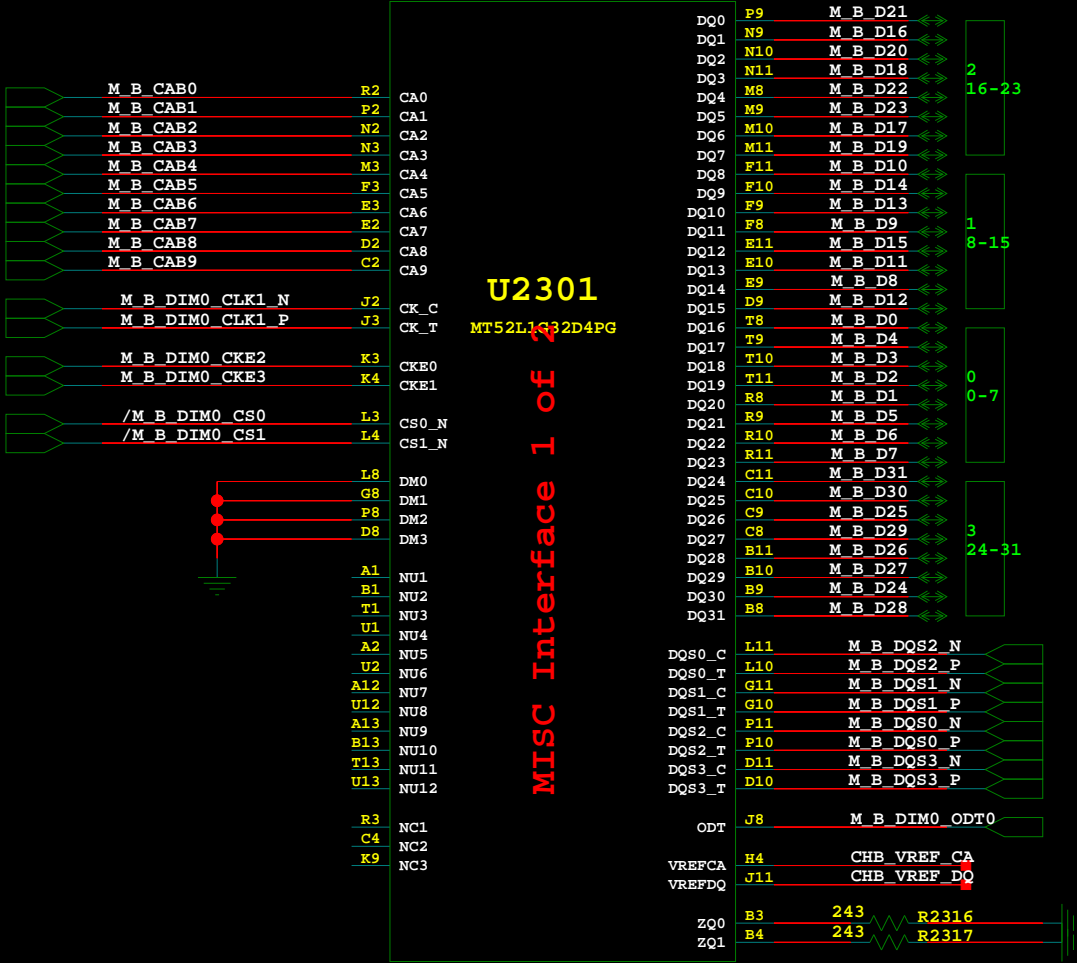
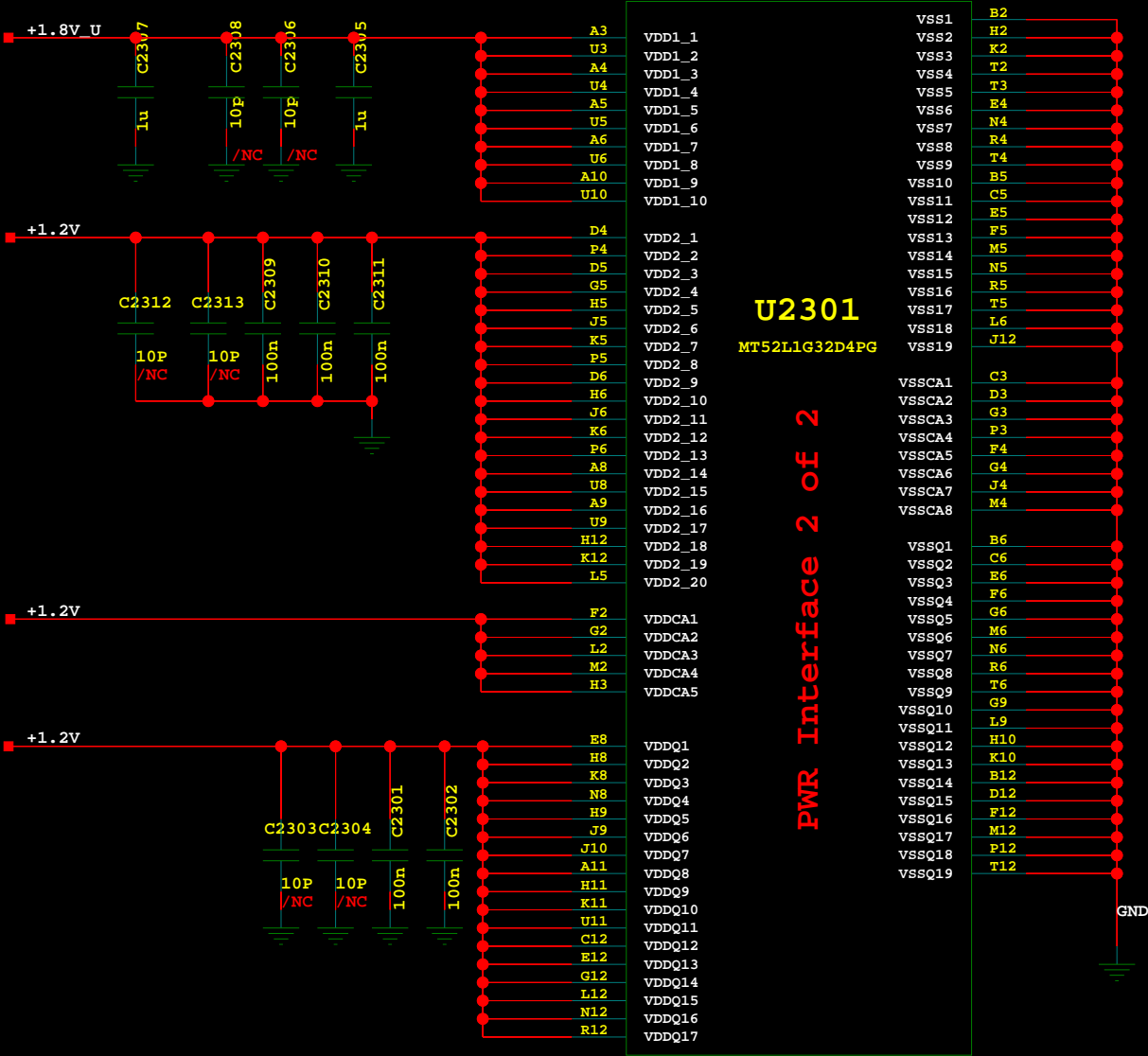
C

D

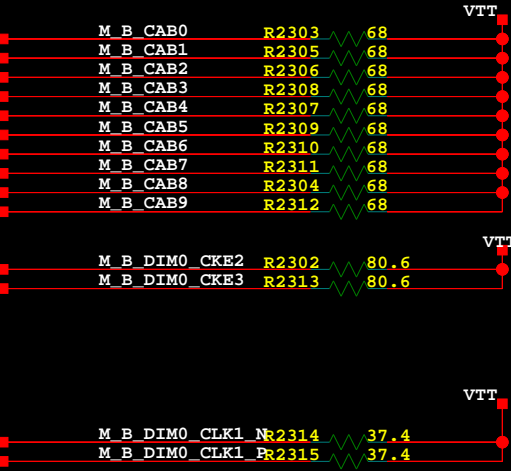


The type and specification of the components refer to the BOM					
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REVIEWED	LISI XXXXX				
		VER	PART NUMBER	SHEET 32 OF 32	
		A	03030001	HUAWEI TECH CO.,LTD.	

23_LPDDR3_CHB-D2



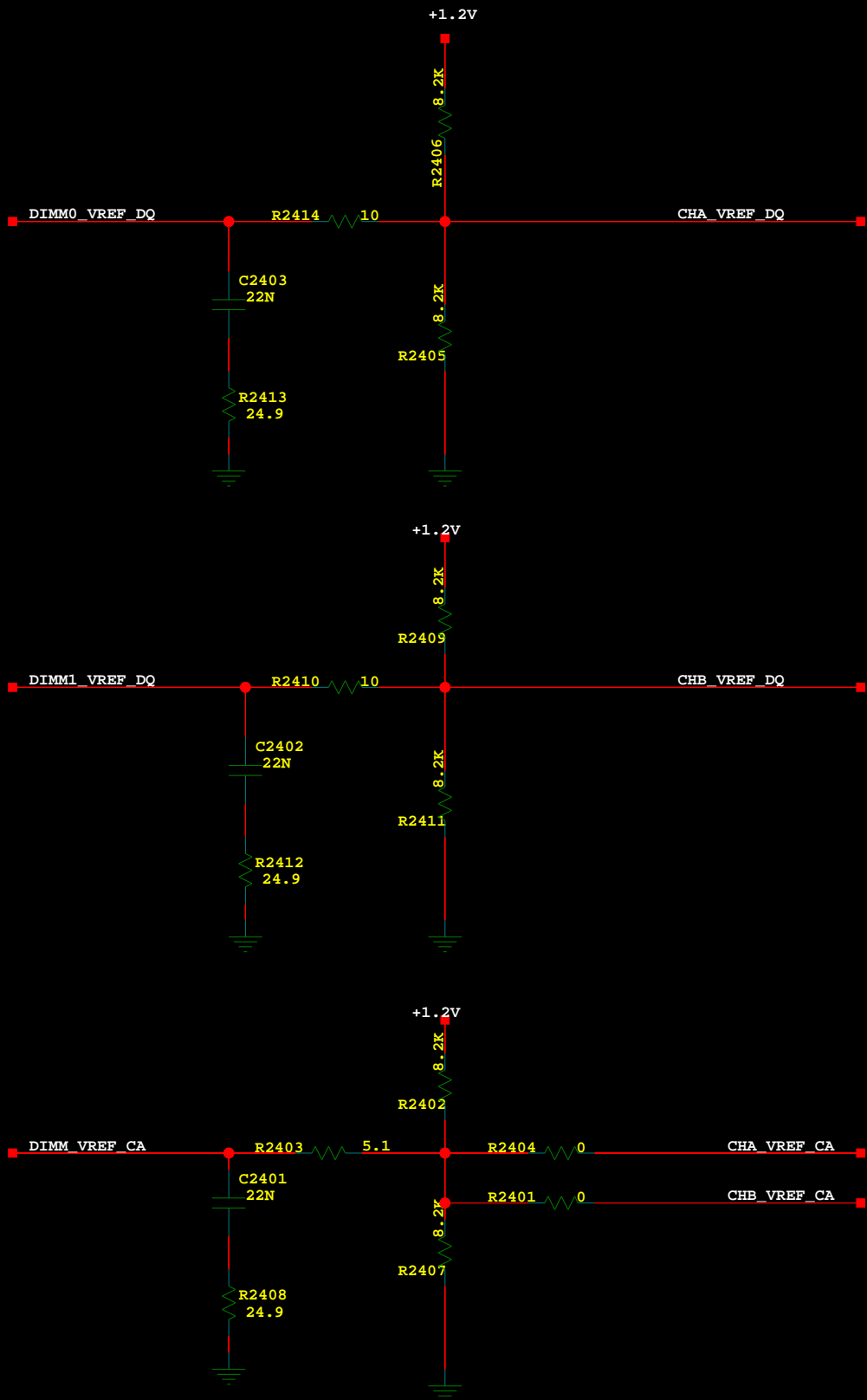
Channel B D2 Terminations



The type and specification of the components refer to the BOM

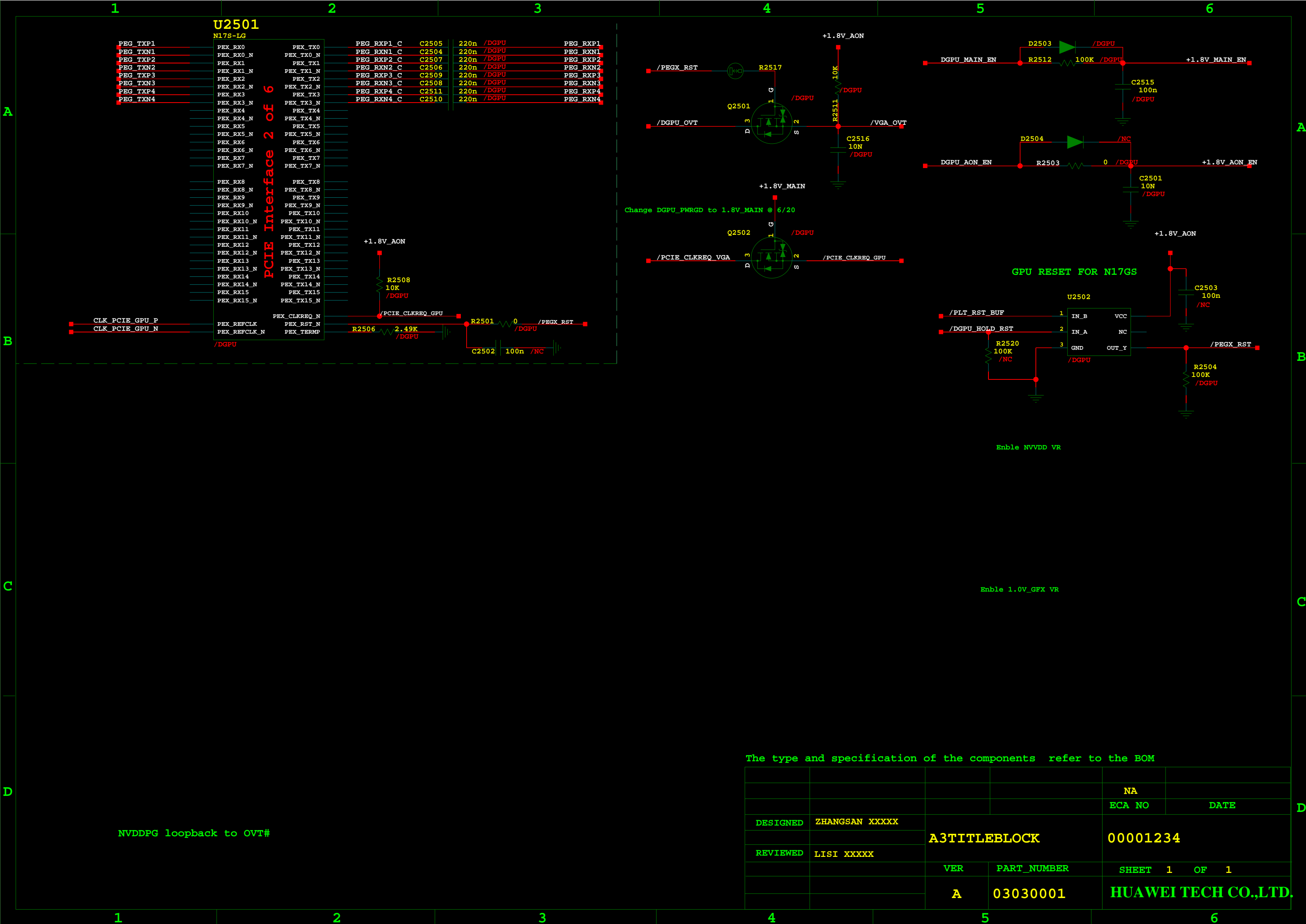
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REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 33 OF 33	
		A	03030001	HUAWEI TECH CO.,LTD.	

24_LPDDR3_ CA/DQ Voltage

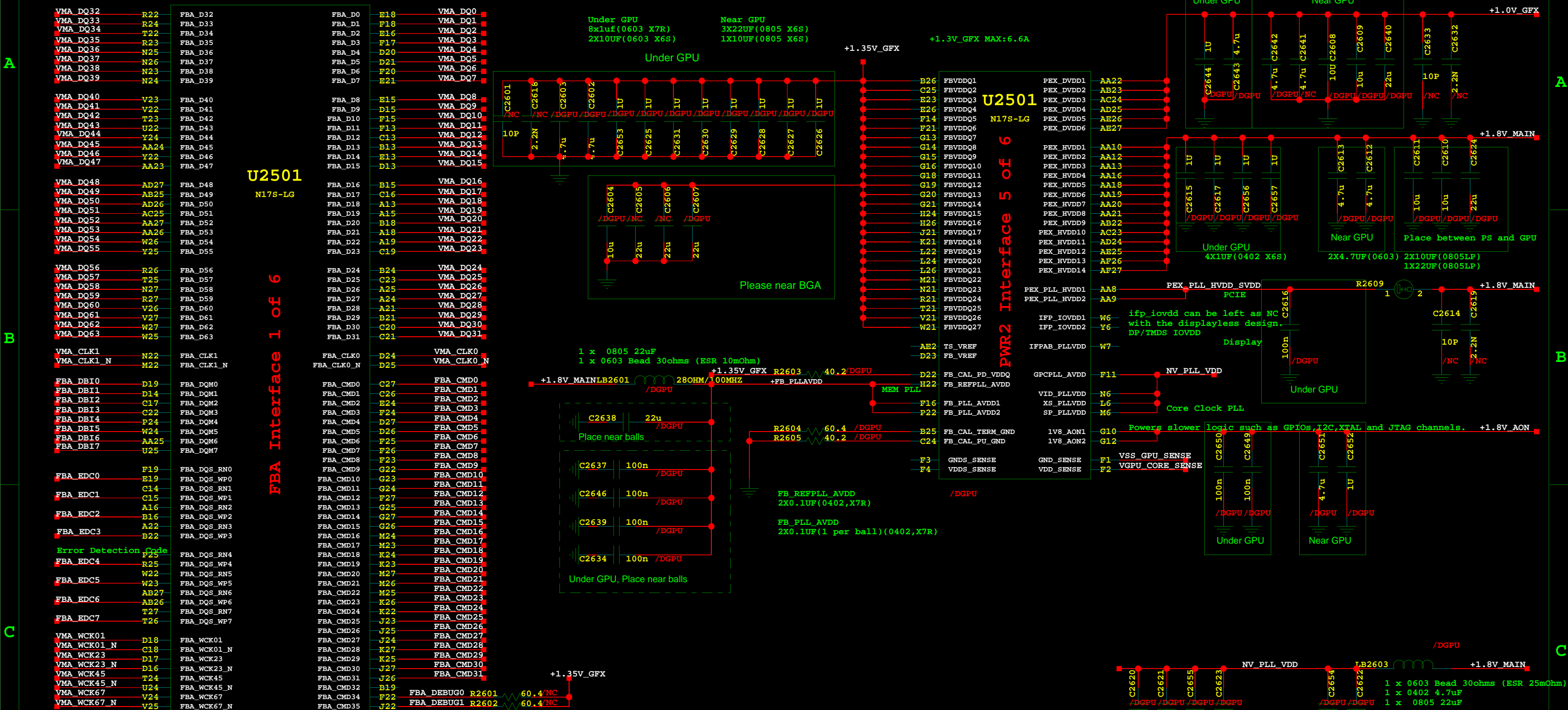


The type and specification of the components refer to the BOM

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DESIGNED	ZHANGSAN XXXXX	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 10 OF 10	
		A	03030001	HUAWEI TECH CO.,LTD.	



26_GPU_Power_Memory



The type and specification of the components refer to the BOM.

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Schematic1		00001234	
REVIEWED	LISI XXXXX			26 GPU_Power_Memory	
		VER	PART_NUMBER	SHEET	OF 1
		A	03030001	HUAWEI TECH CO.,LTD	

1

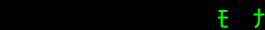
2

N
MISC Interface 3 of 6

/DGPU

```
T1(1.0V_GFX_EN):10K*100nf=1mS after 1.8V_EN
T2(NVVD_EN):<100uS after 1.8V_EN
T3(NVVD_PG):0.5mS after NVVD
T4(FBVD_EN):20K*100nf=2mS after NVVD_PG
SO T4 delay 2.5mS>T1 1mS,can meet power up timing
```

Power timing by kai

4

WEI TECH CO.,LTD

6

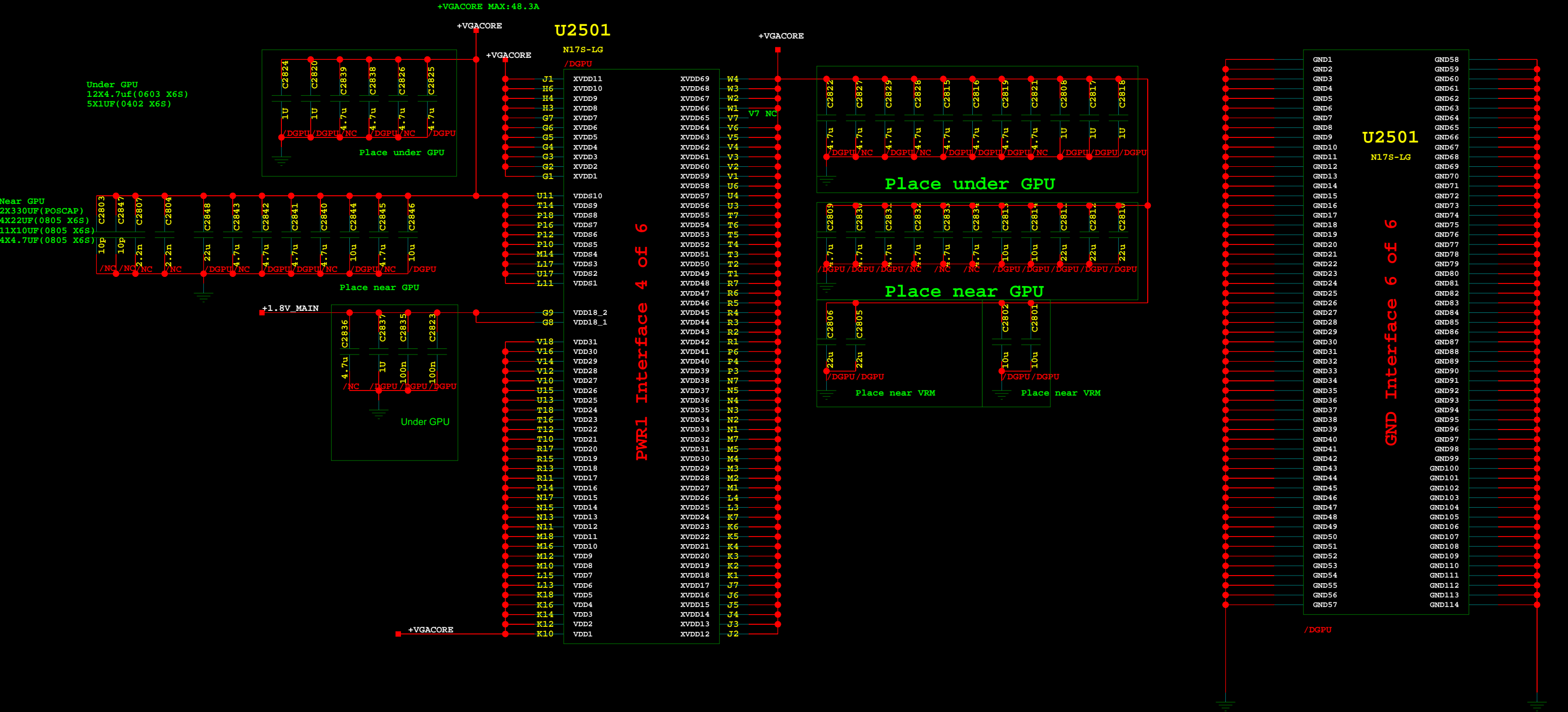
28_GPU_POWER

A

B

C

D



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Schematic1		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET	28_GPU_VCORE
		A	03030001	HUAWEI TECH CO.,LTD.	

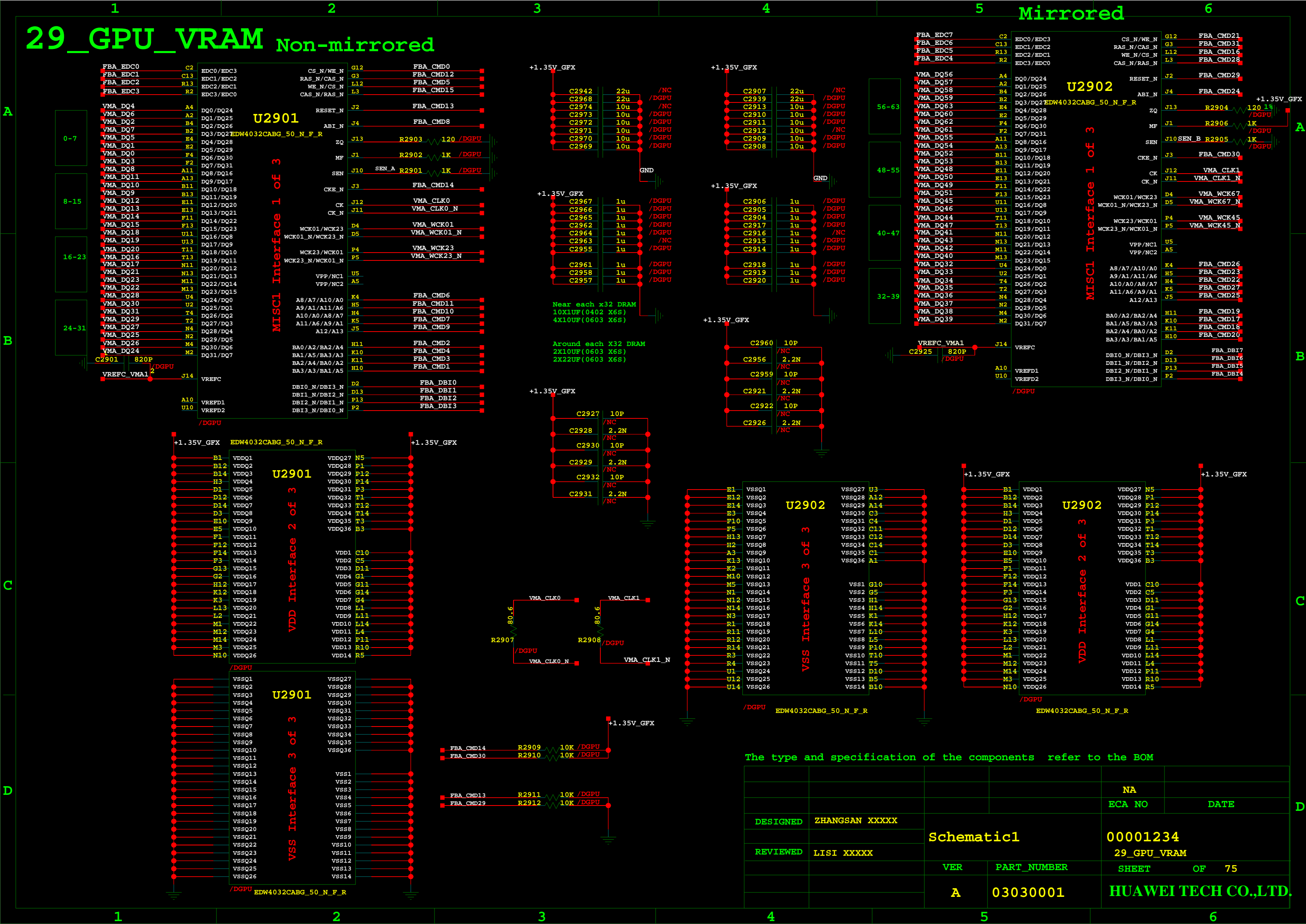
A

B

C

D

29_GPU_VRAM Non-mirrored



The type and specification of the components refer to the BOM

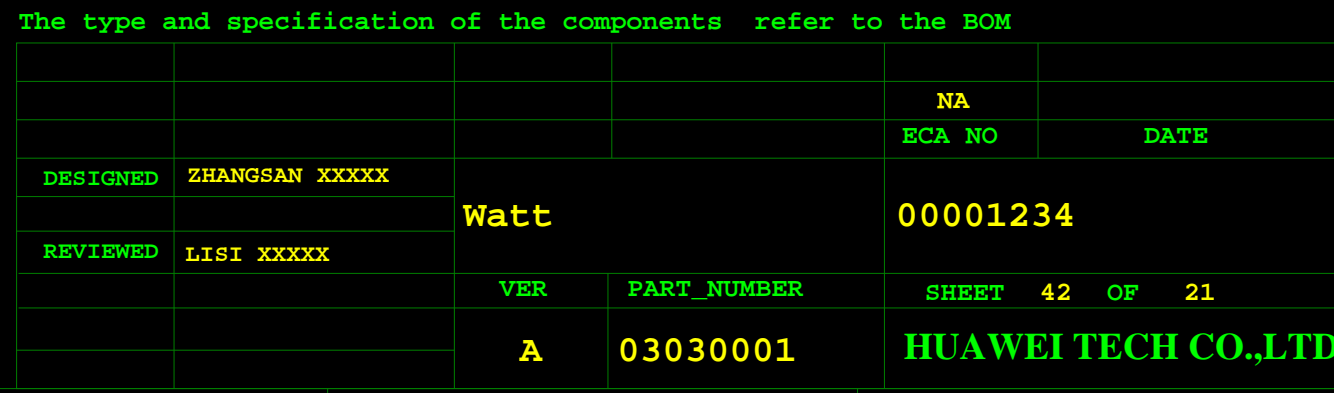
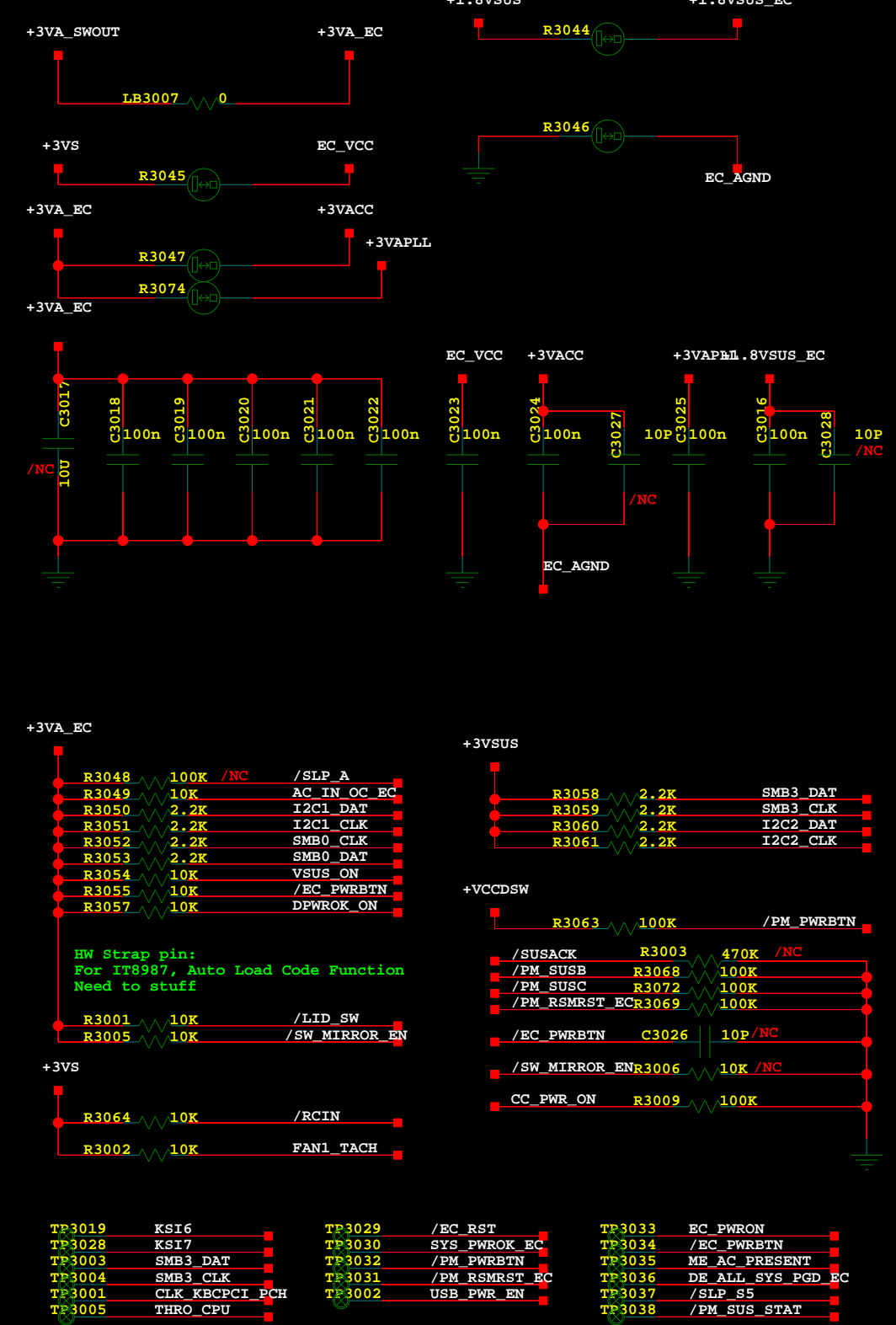
				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Schematic1		00001234	
REVIEWED	LISI XXXXX			29_GPU_VRAM	
		VER	PART NUMBER	SHEET	OF 75
		A	03030001	HUAWEI TECH CO.,LTD.	

30_EC_IT8987VG/BX

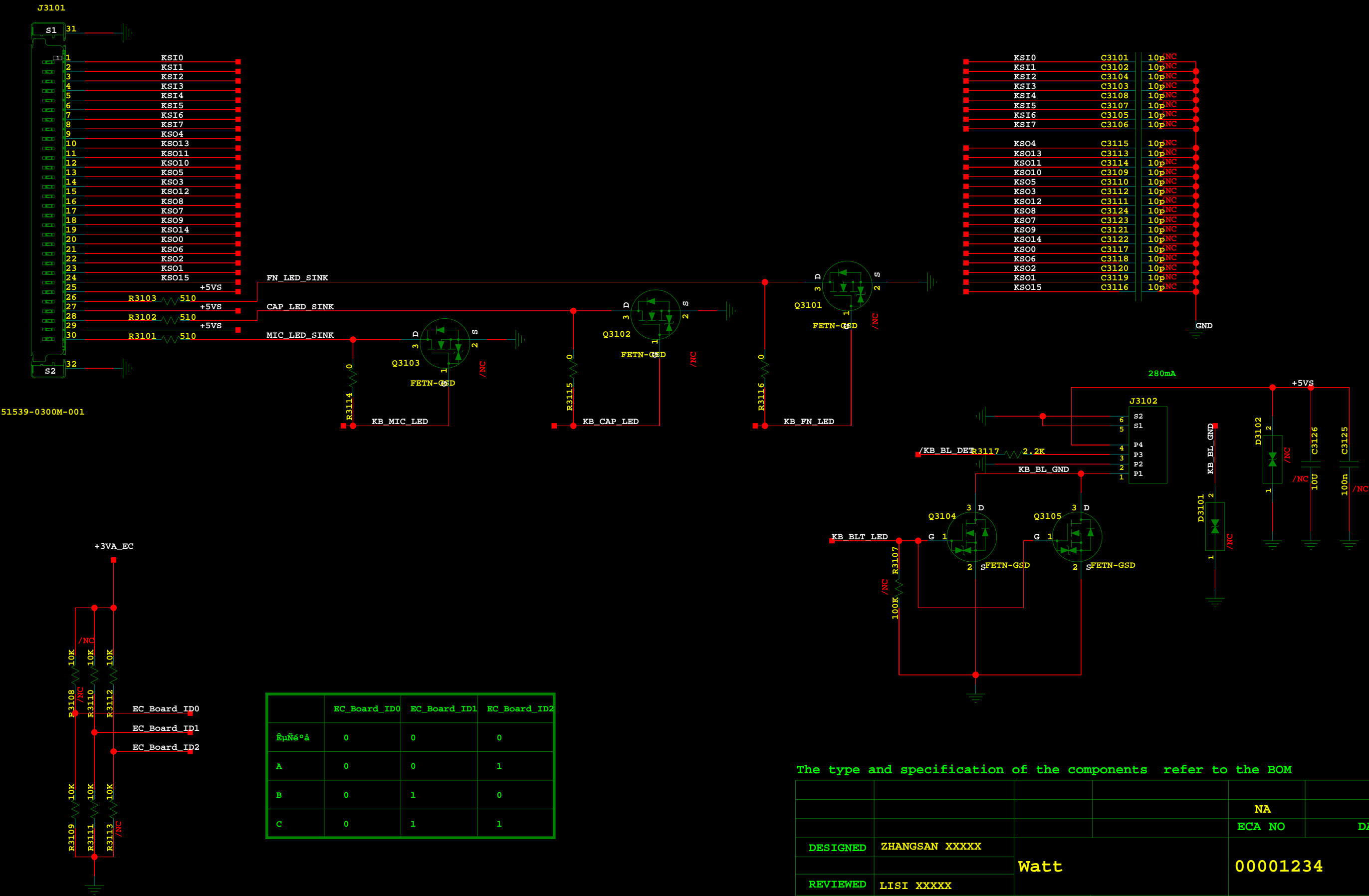
Reserve C3002 for Q3006 may turn on when battery plug in

The type and specification of the components refer to the BOM

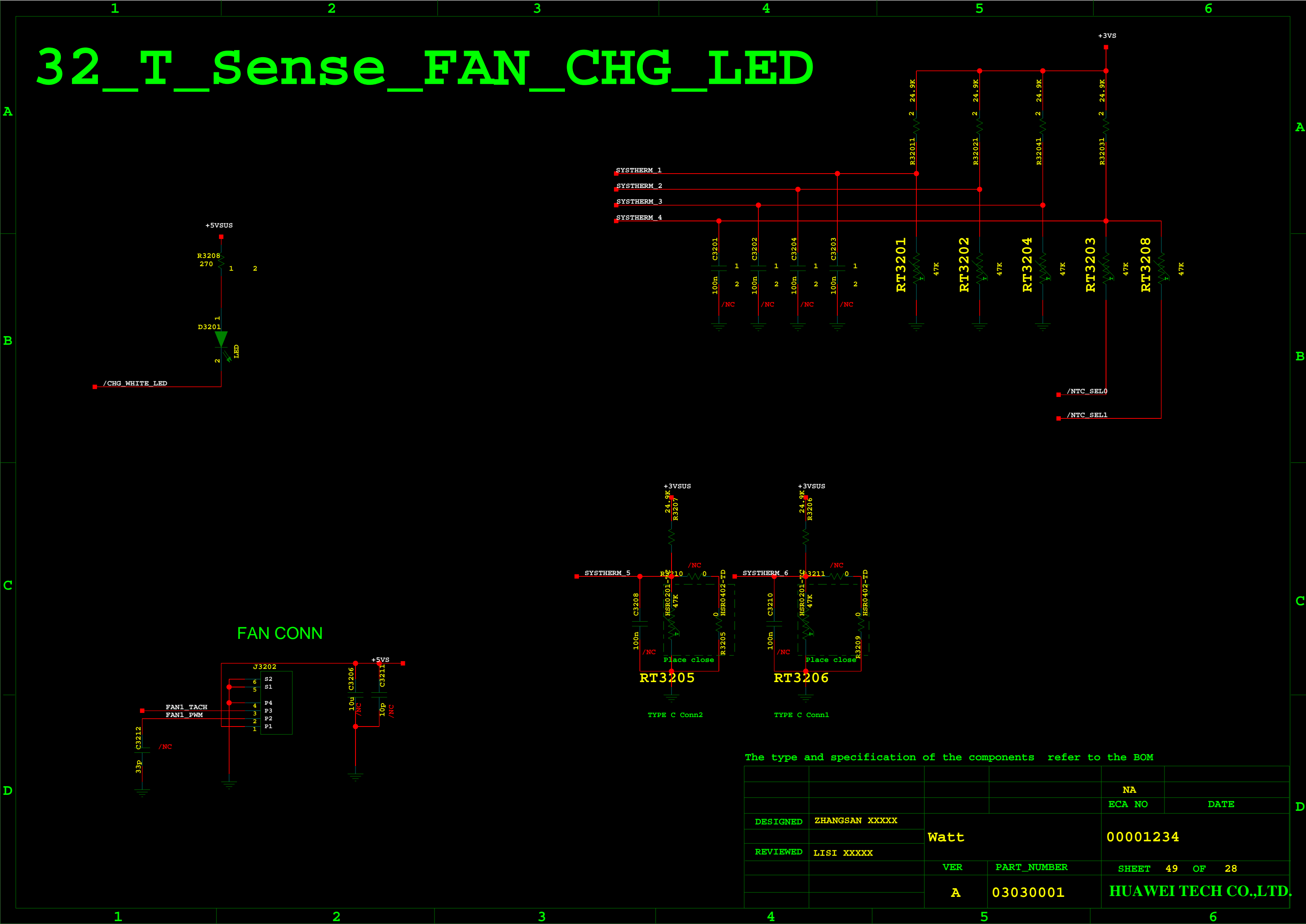
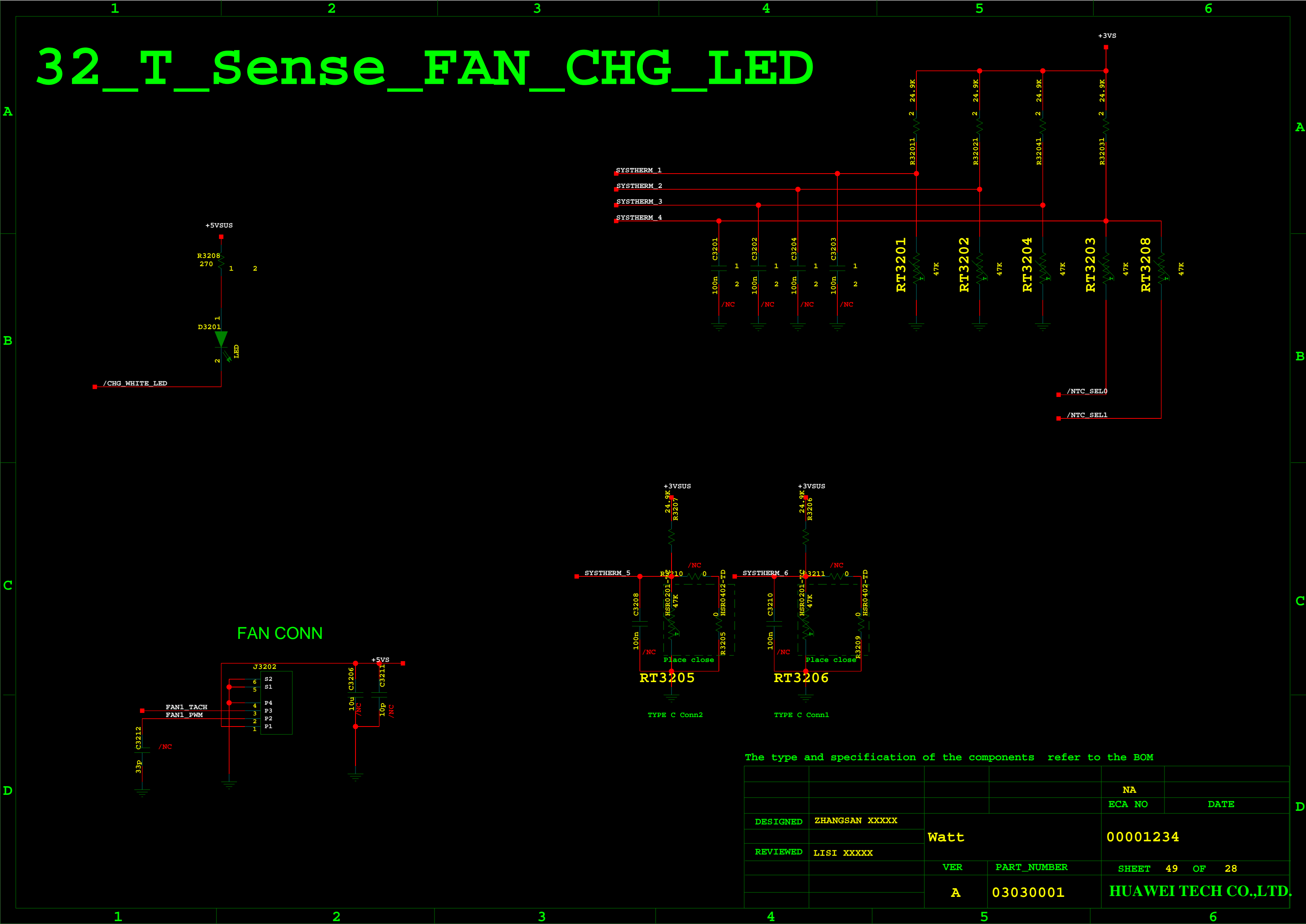
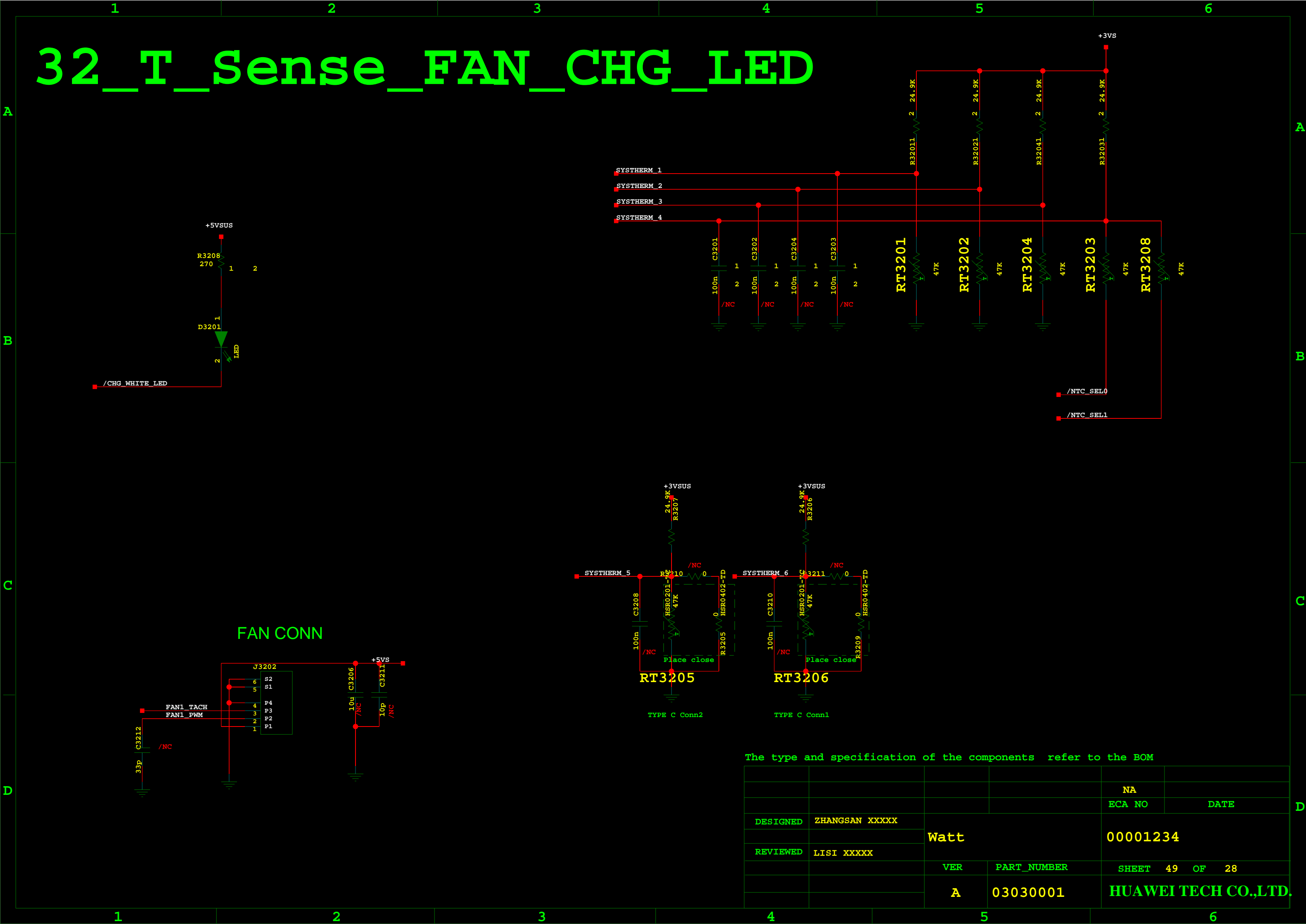
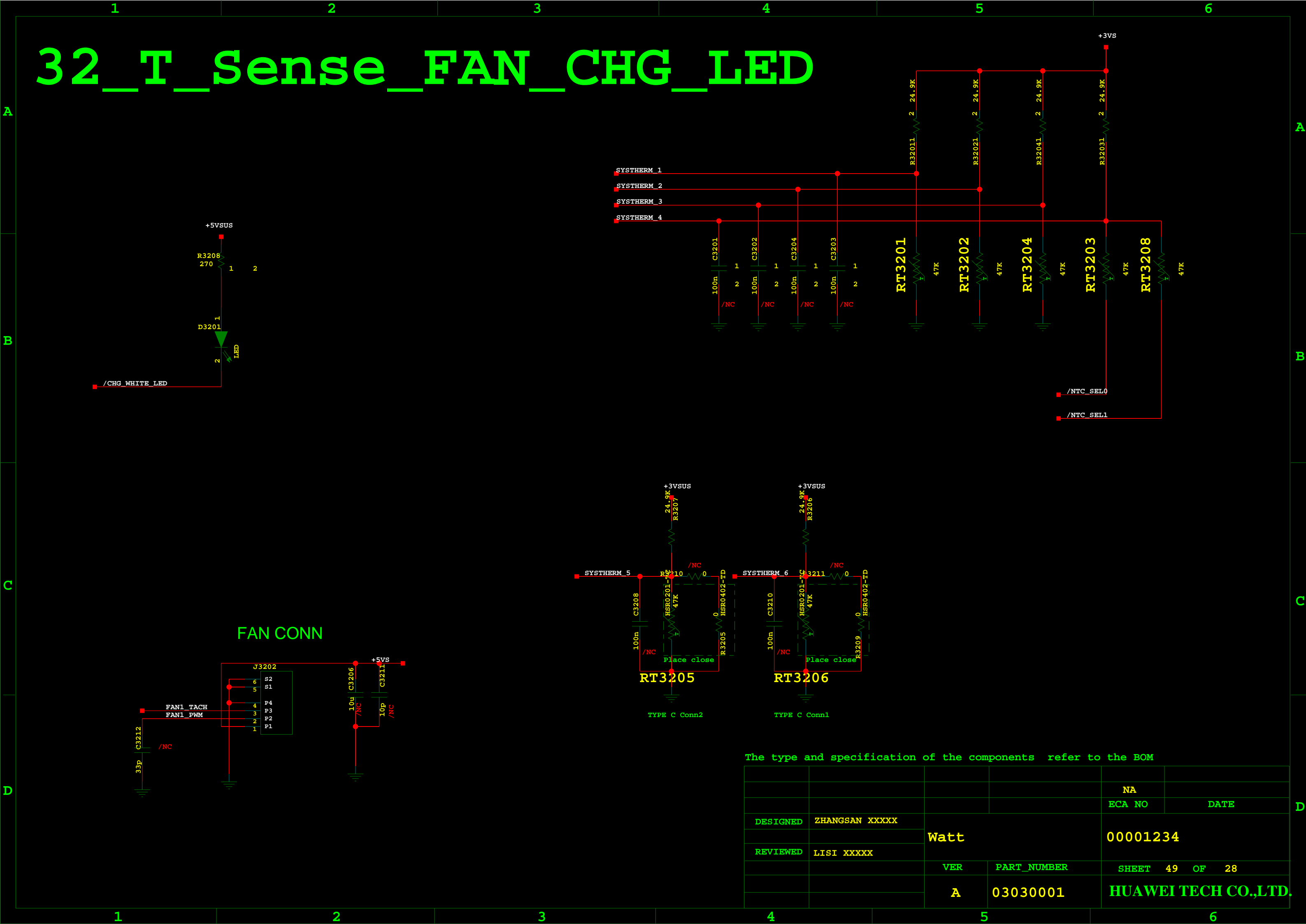
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX	VER	PART_NUMBER	SHEET 42 OF 21	
		A	03030001	HUAWEI TECH CO.,LTD.	

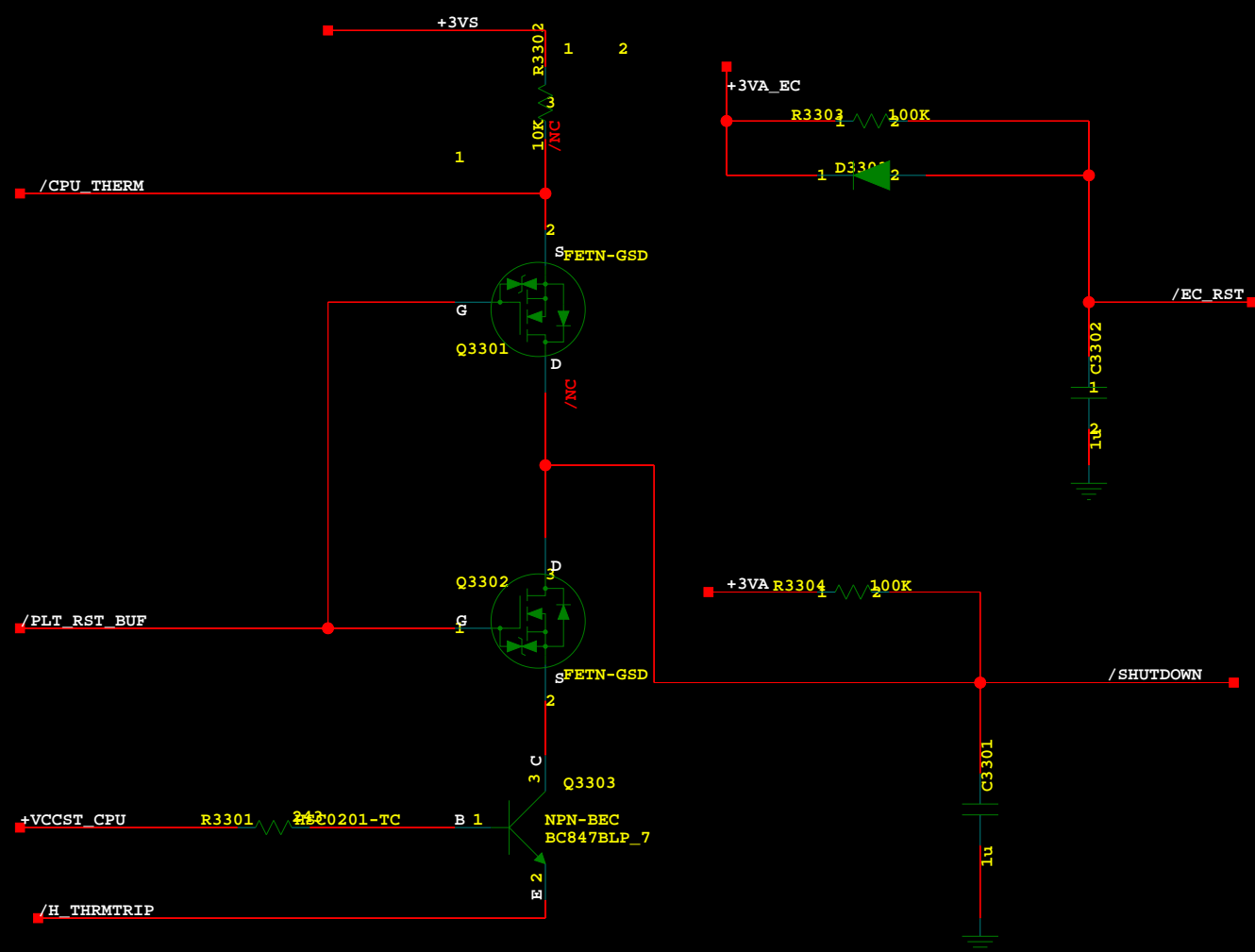


31_EC_Keyboard/Backlight

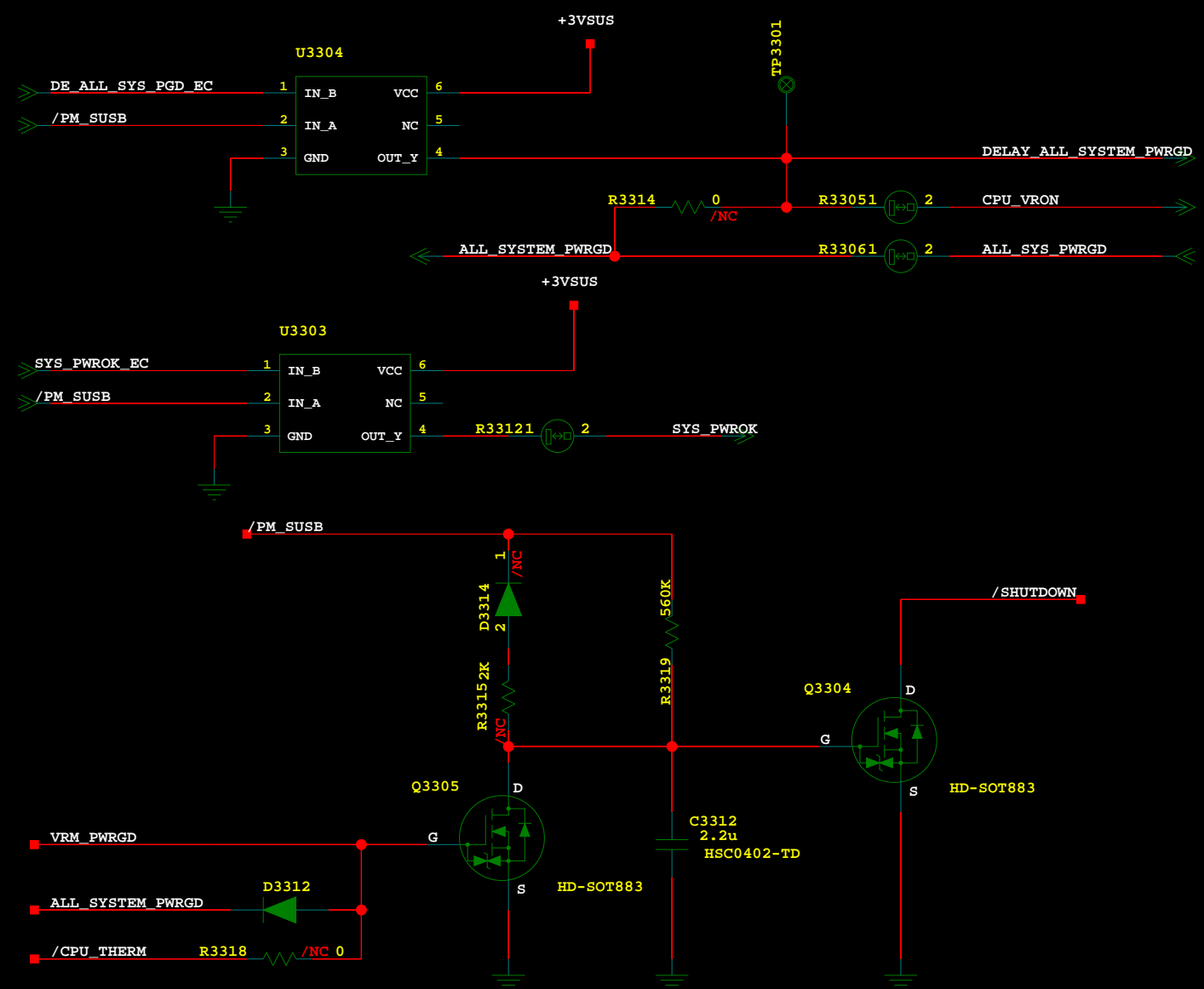
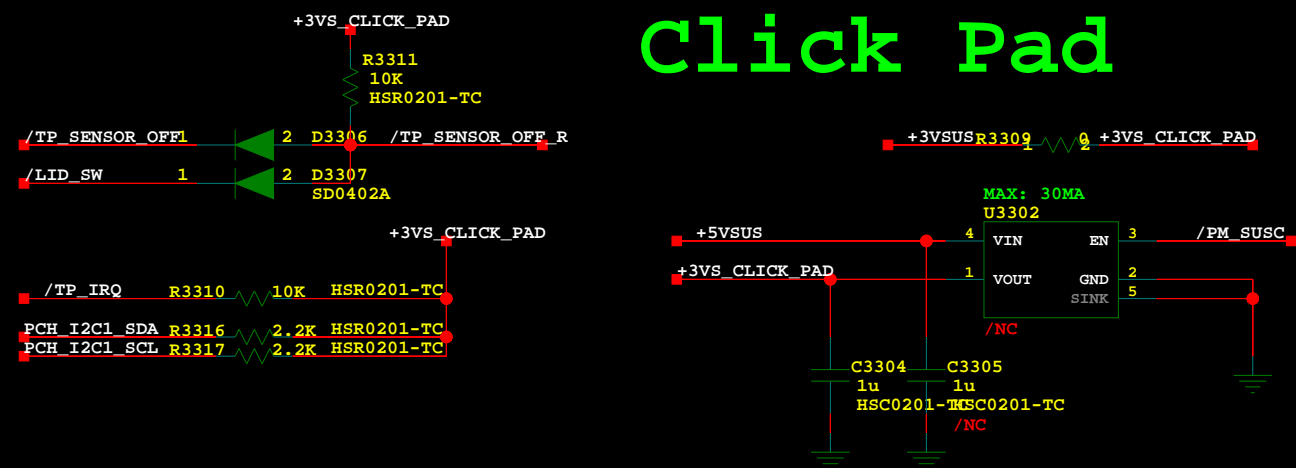


				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 43 OF 22	
		A	03030001	HUAWAI TECH CO.,LTD.	

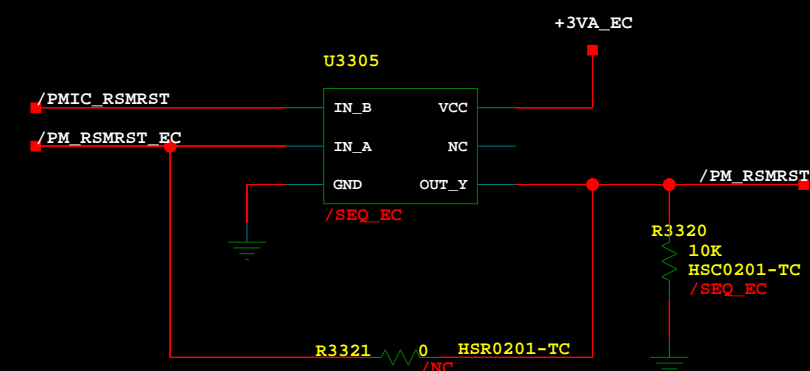
[illegible][illegible][illegible]



/PLT_RST_BUF	/CPU_THERM	/H_THRMTRIP	/FORCE_OFF	/SHUTDOWN
1	1	1	1	1
0	X	X	1	1
X	X	X	0	0
1	0	X	X	0
1	X	0	X	0



To meet PCH tPCH12 power down sequence.



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 44 OF 23	
		A	03030001	HUAWEI TECH CO.,LTD.	

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The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Mach		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 99 OF 63	
		A	03030001	HUAWEI TECH CO.,LTD.	

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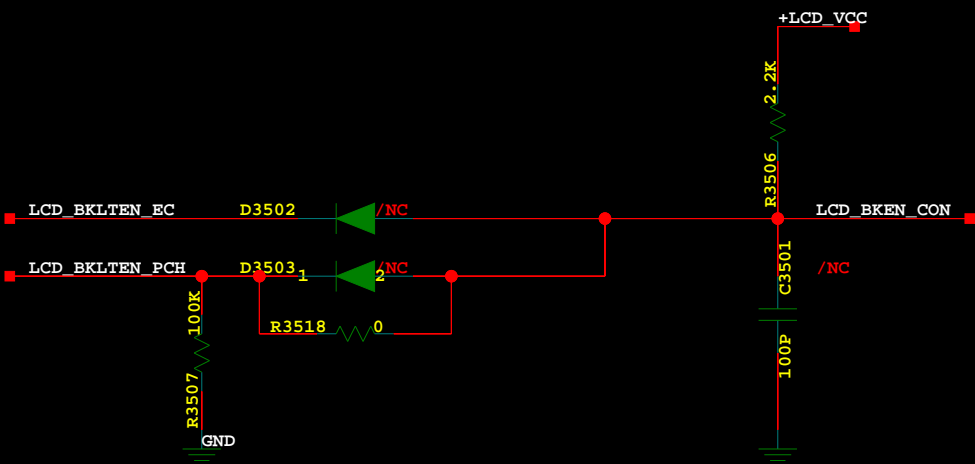
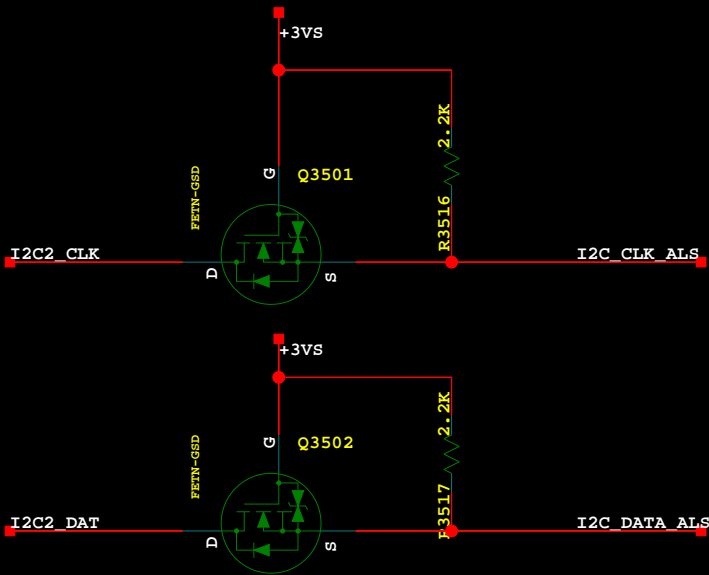
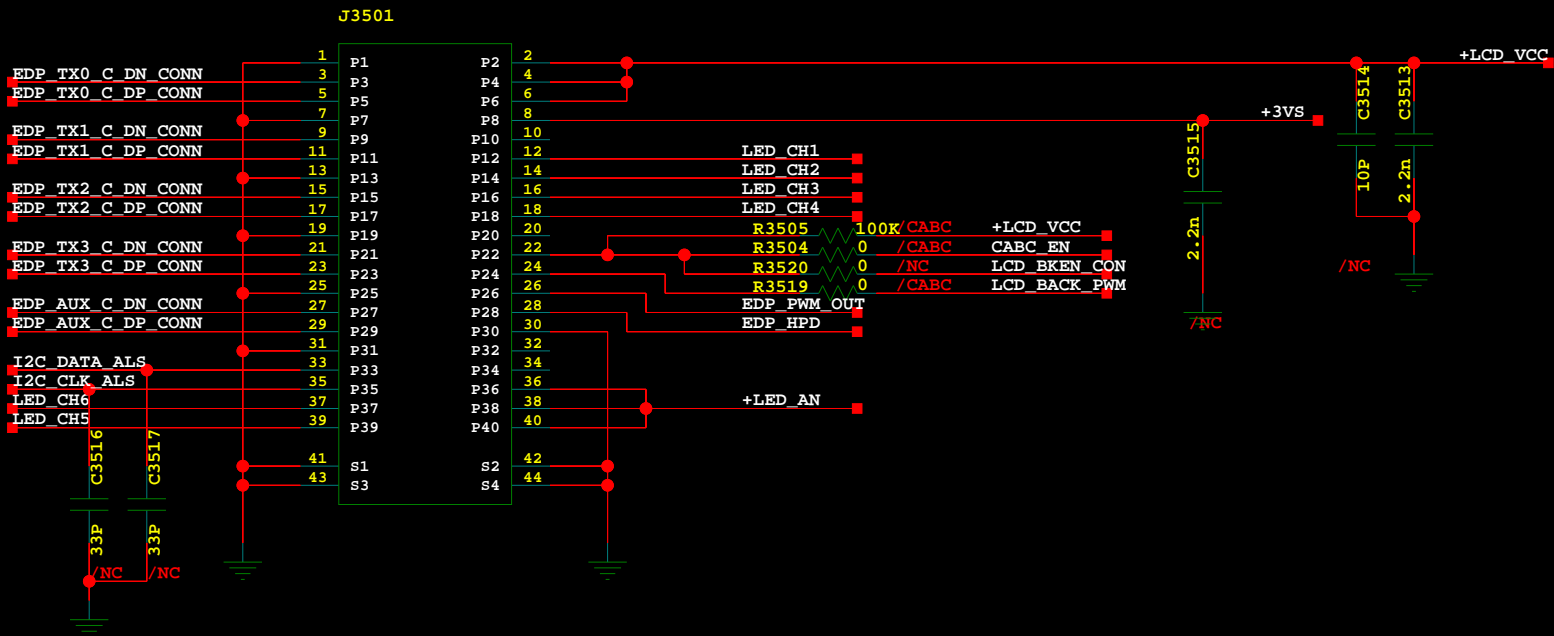
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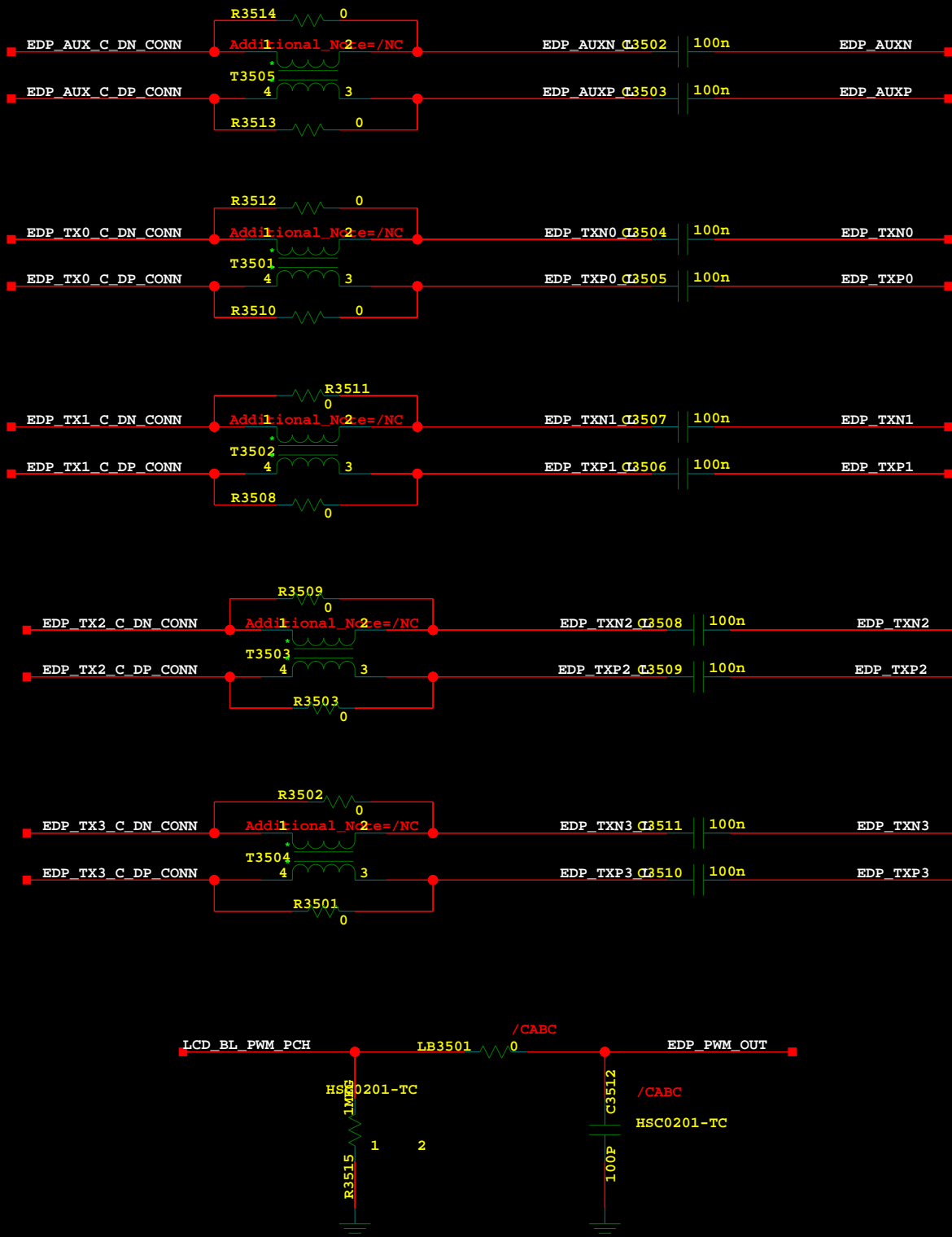
6

35_Display_eDP Panel



0ohm colayout

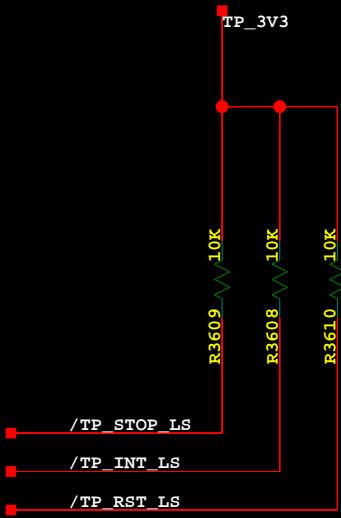
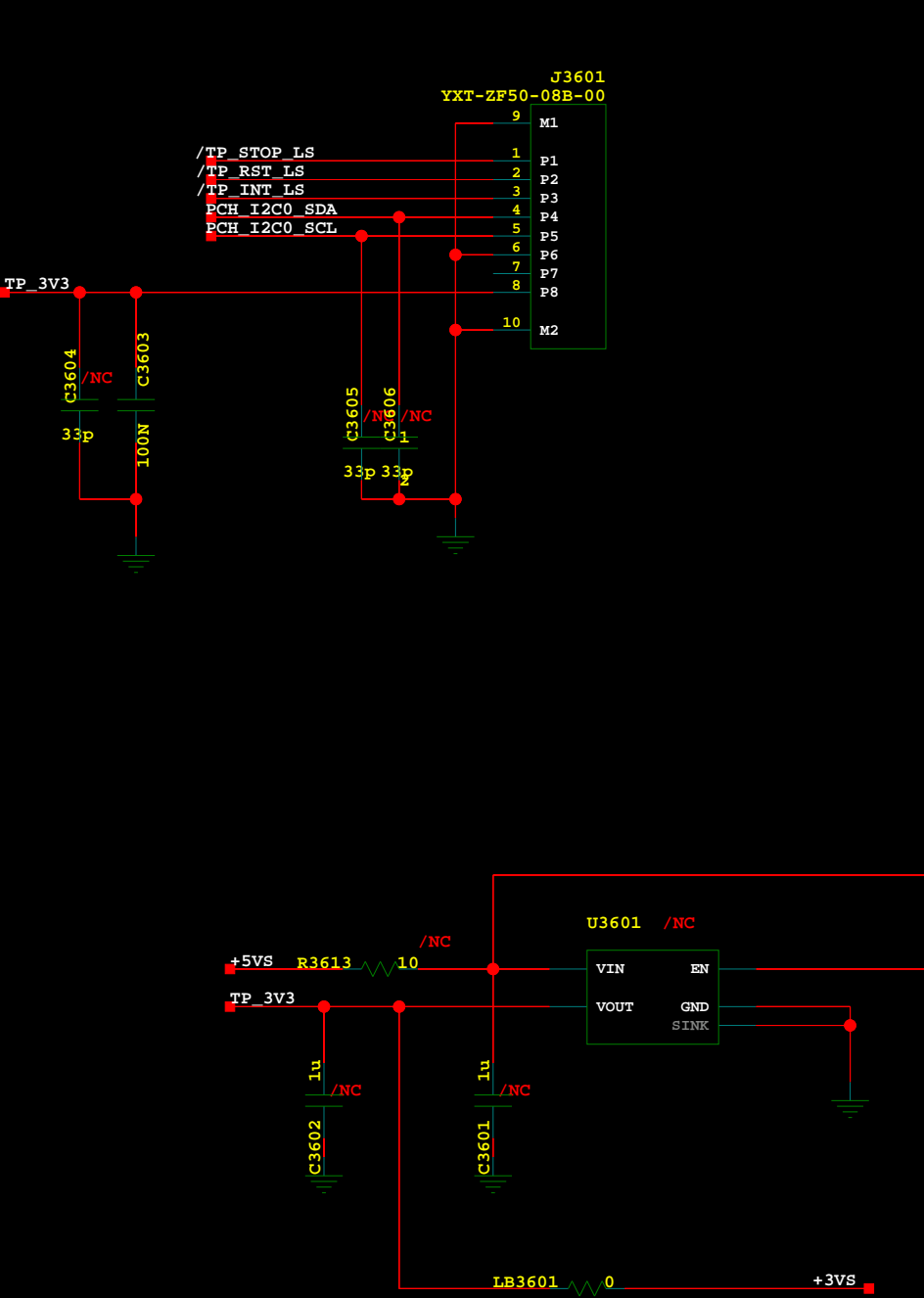
Need check to select redriver IC or CMC or resister



The type and specification of the components refer to the BOM

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				ECA NO	DATE
DESIGNED	CHENWEI 00267991	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 48 OF 27	
		A	03030001	HUAWAI TECH CO.,LTD.	

36.Touch Panel

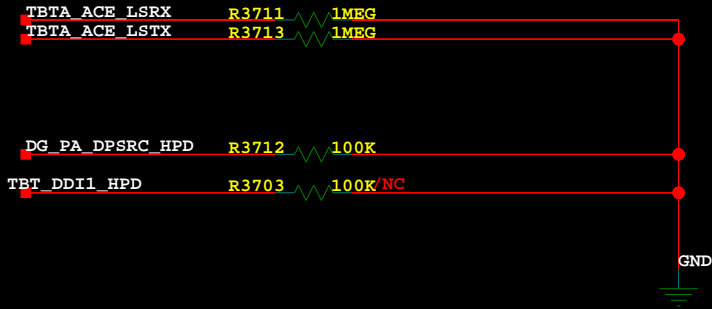
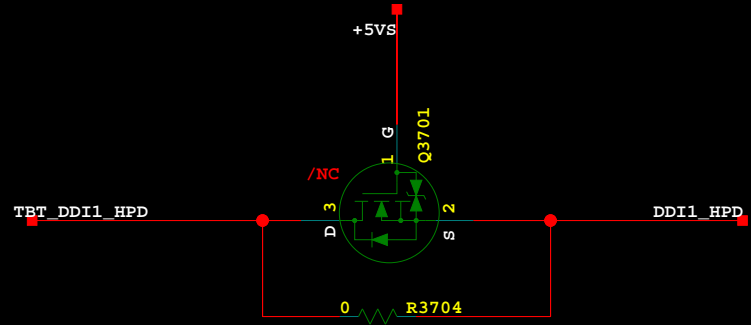
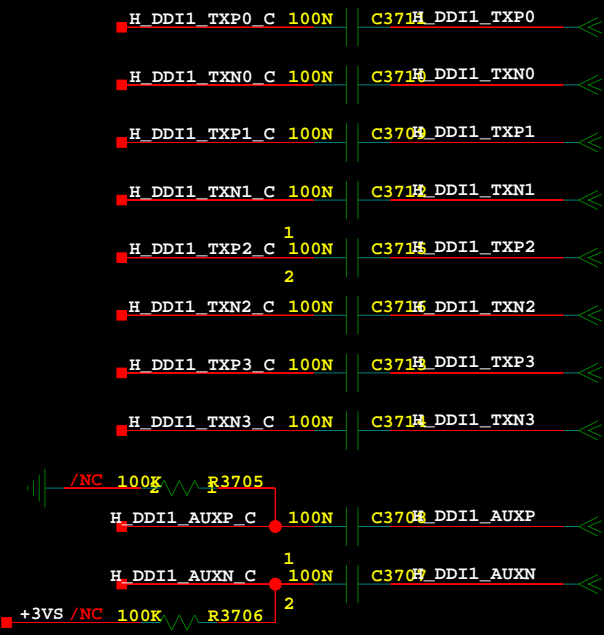
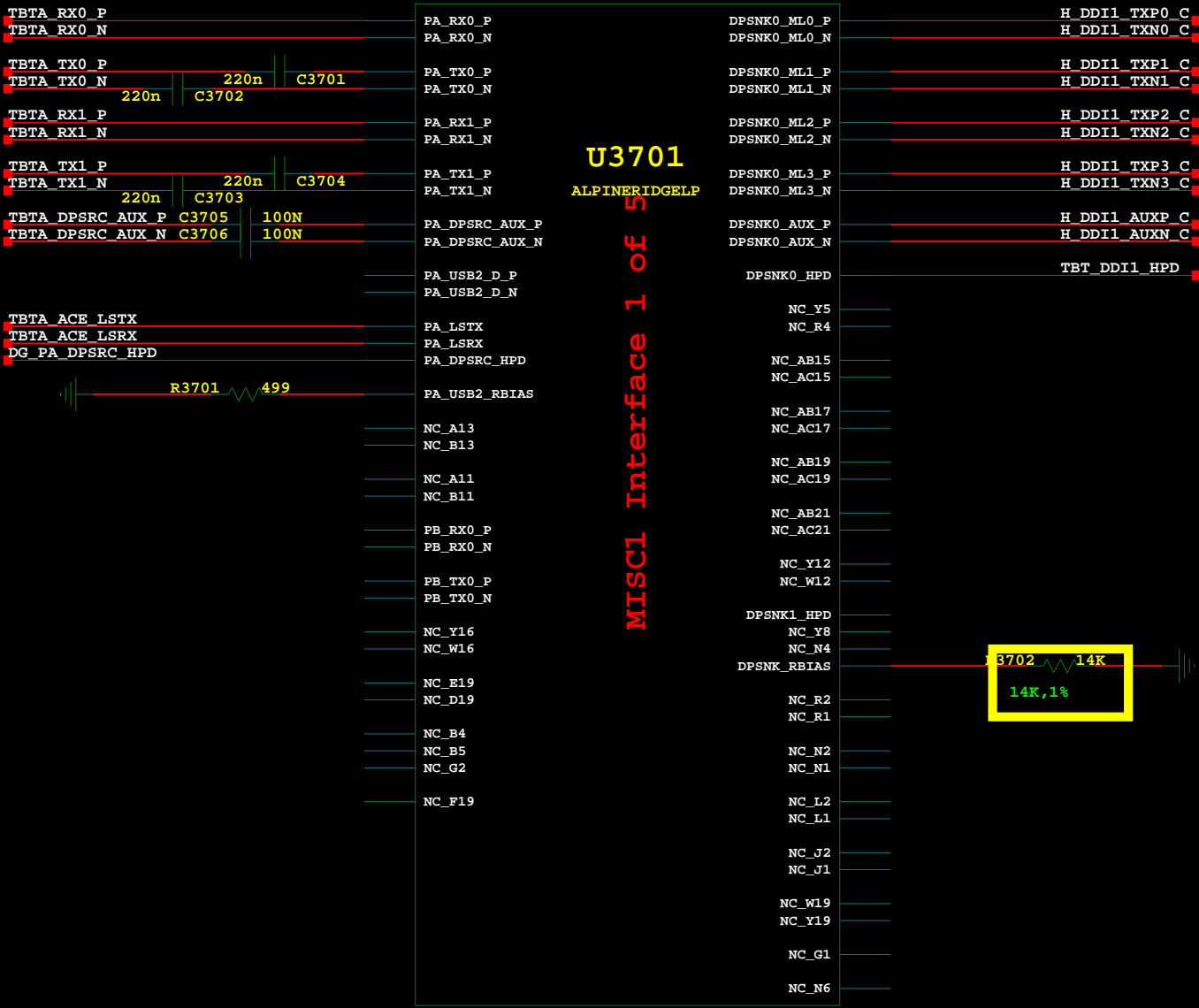


The type and specification of the components refer to the BOM

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REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 48 OF 48	
		A	03030001	HUAWEI TECH CO.,LTD.	

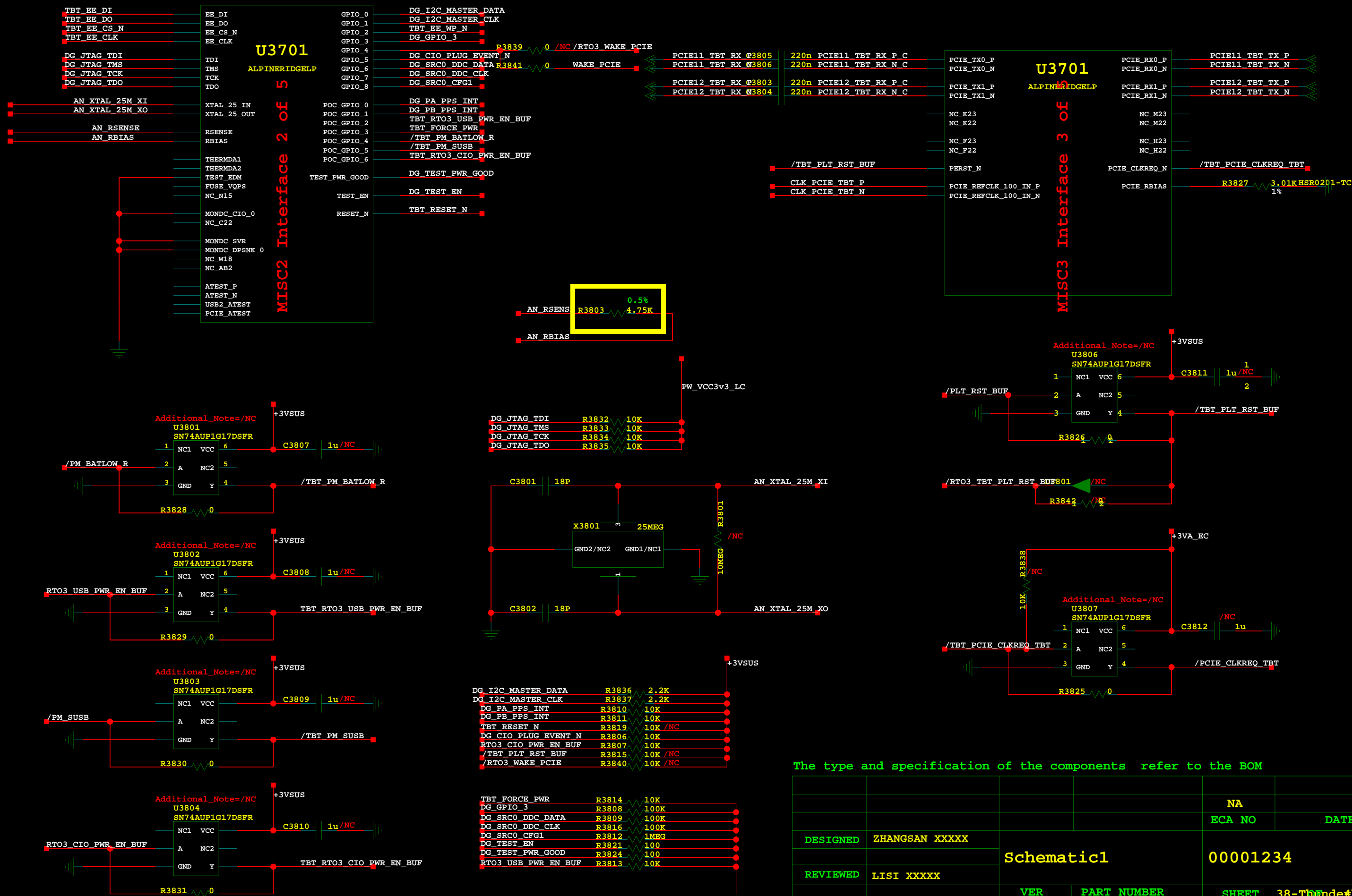
37_Thunderbolt_DP

Displayport source



The type and specification of the components refer to the BOM					
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DESIGNED	ZHANGSAN XXXXX	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 83 OF 83	
		A	03030001	HUAWAI TECH CO.,LTD.	

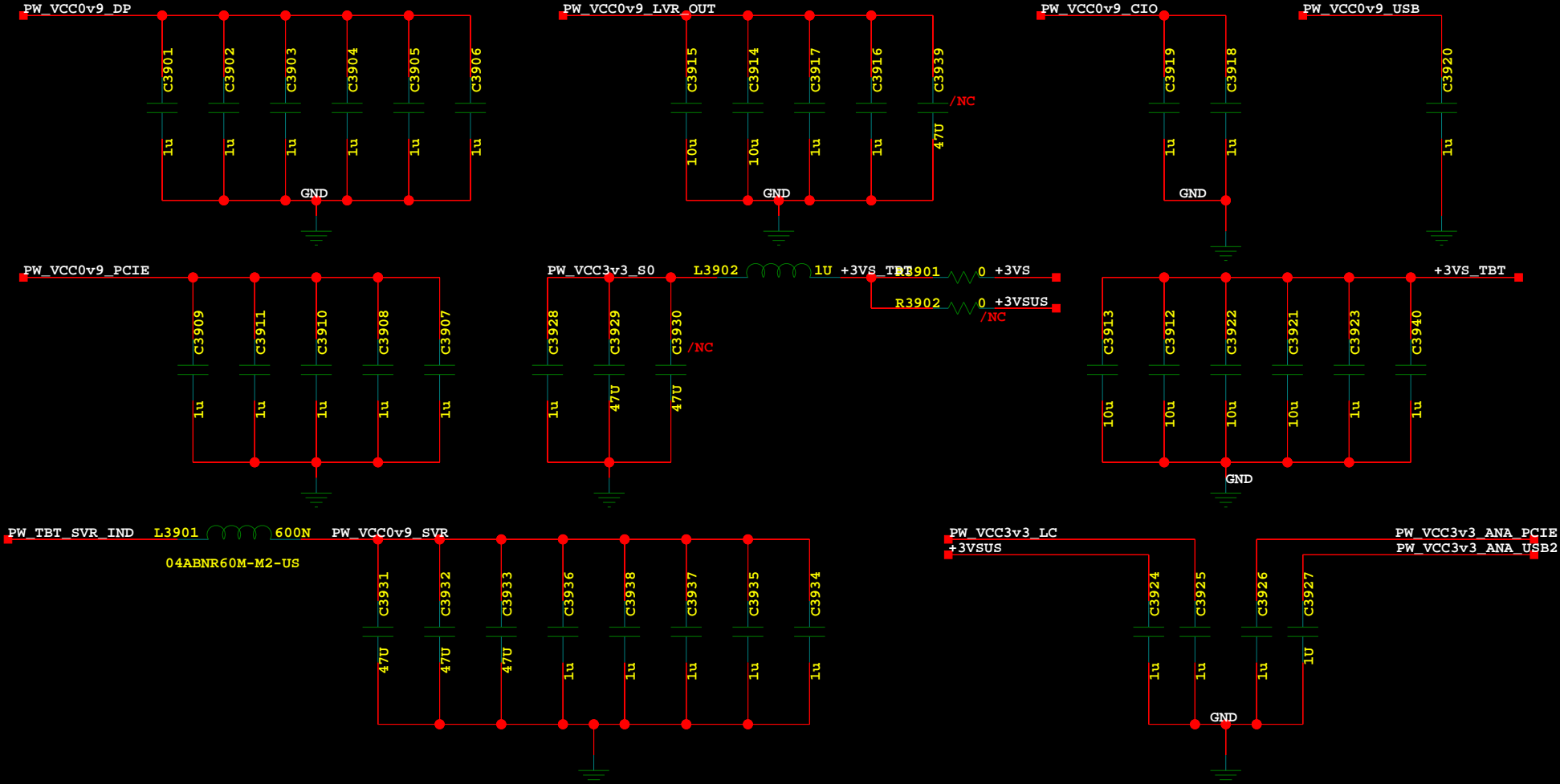
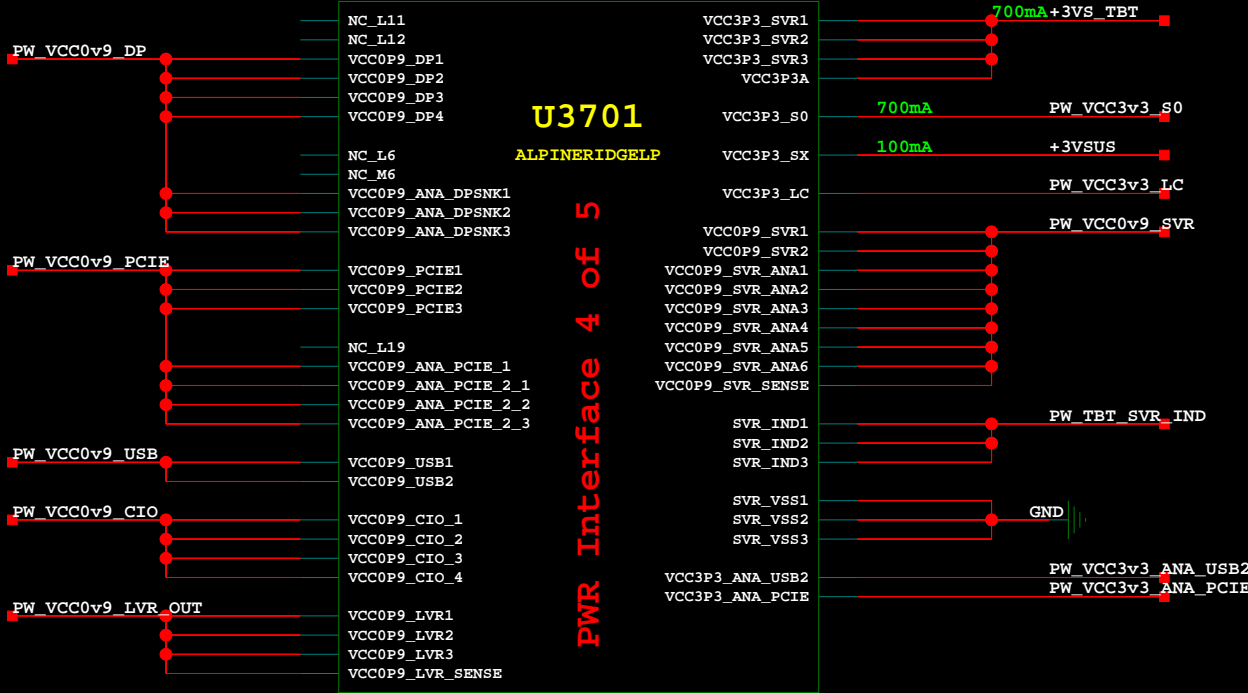
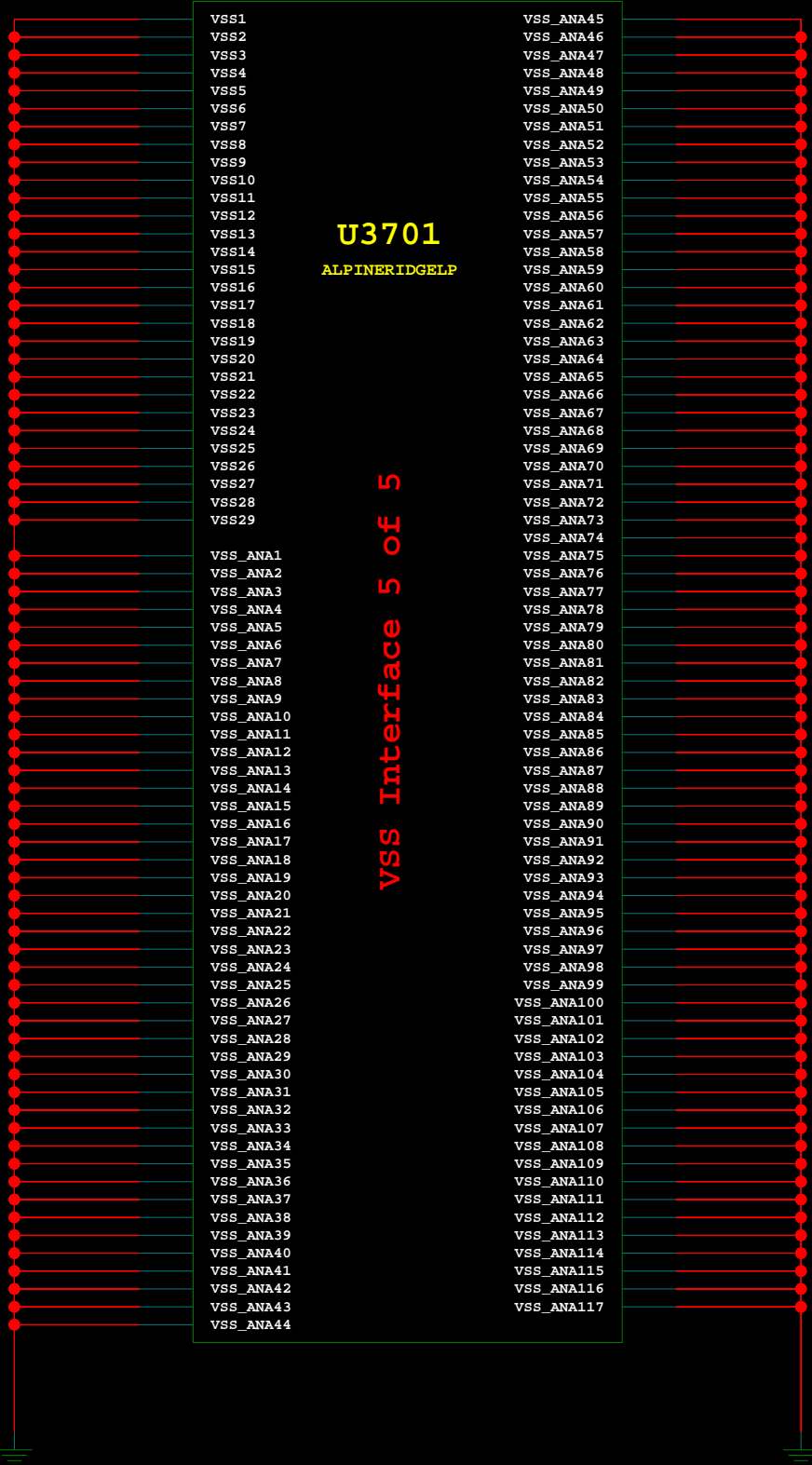
38-Thunderbolt_PCIE



The type and specification of the components refer to the BOM

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REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET	38-Thread Bolt_PCIE
		A	03030001	HUAWEI TECH CO.,LTD.	

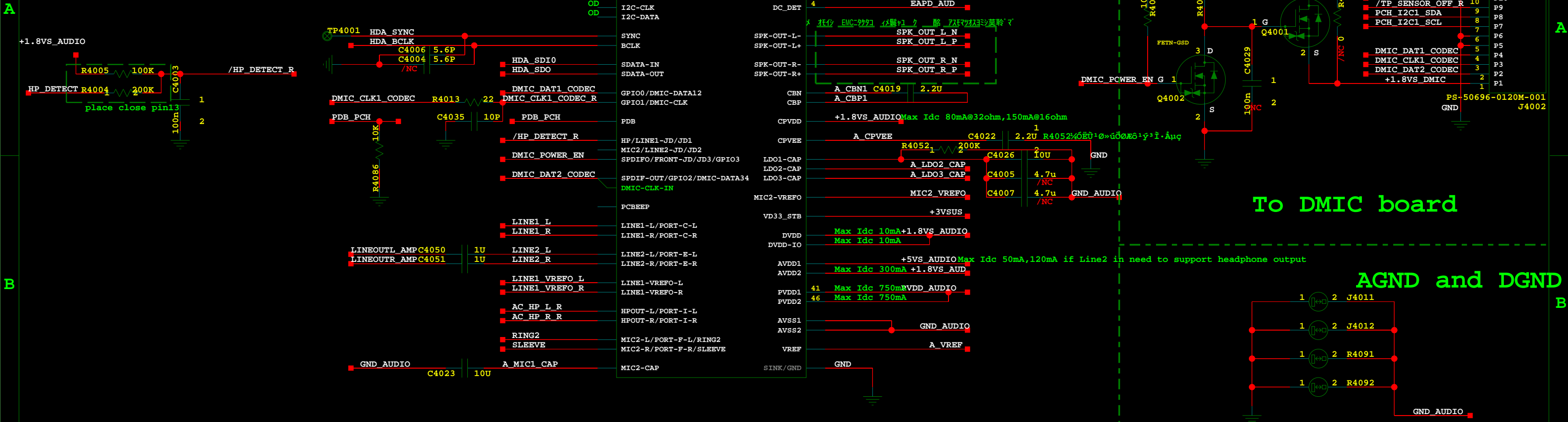
39_Thunderbolt_Power



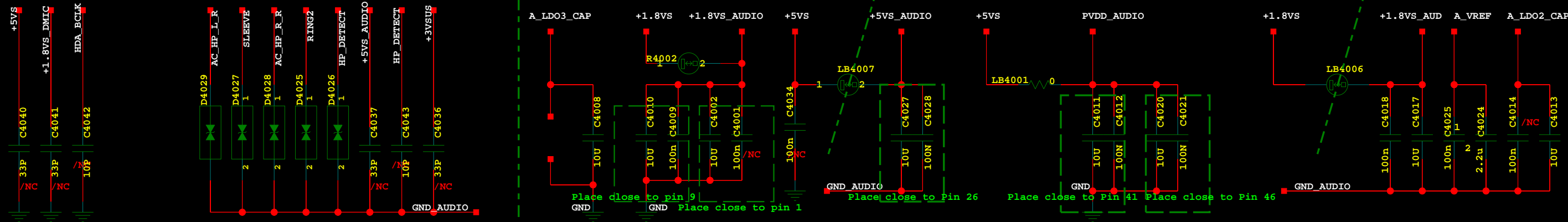
The type and specification of the components refer to the BOM

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DESIGNED	ZHANGSAN XXXXX	A3TITLEBLOCK		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 1 OF 1	
		A	03030001	HUAWEI TECH CO.,LTD.	

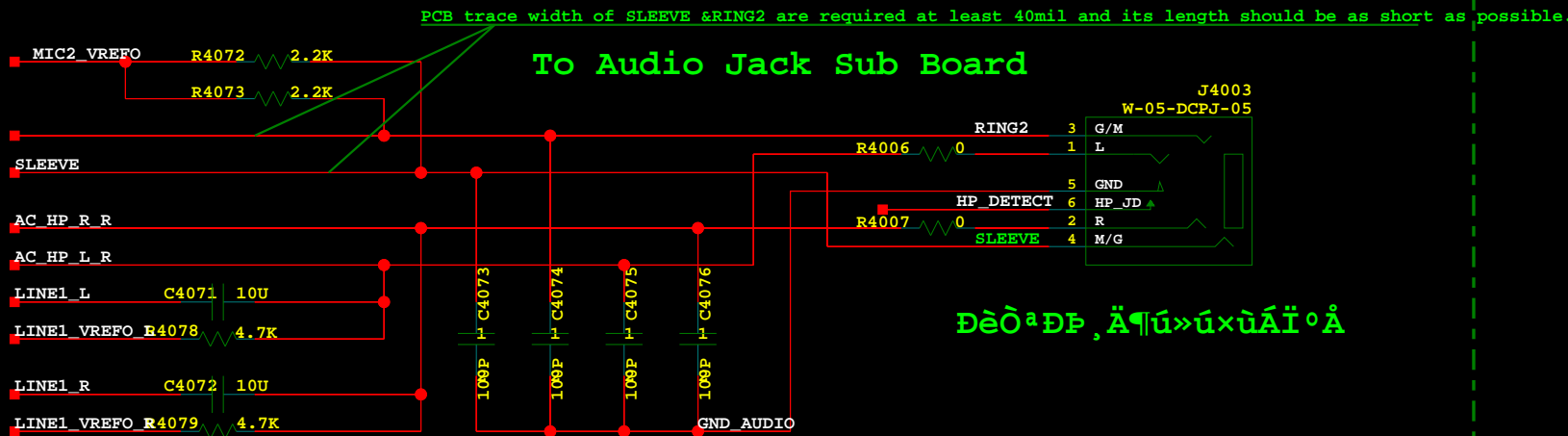
24_Audio_Codec/Jack



EMI ESD components



Power caps

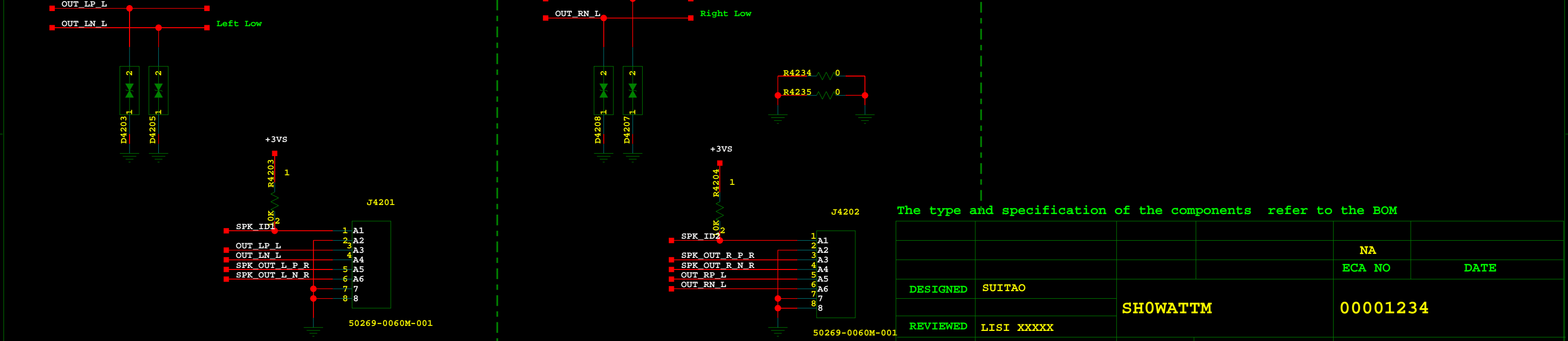
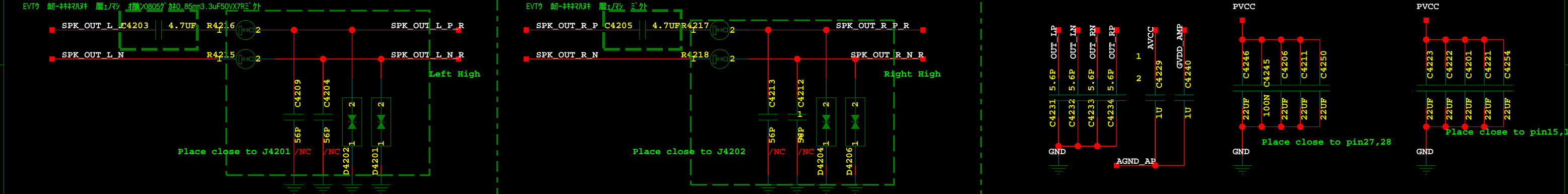
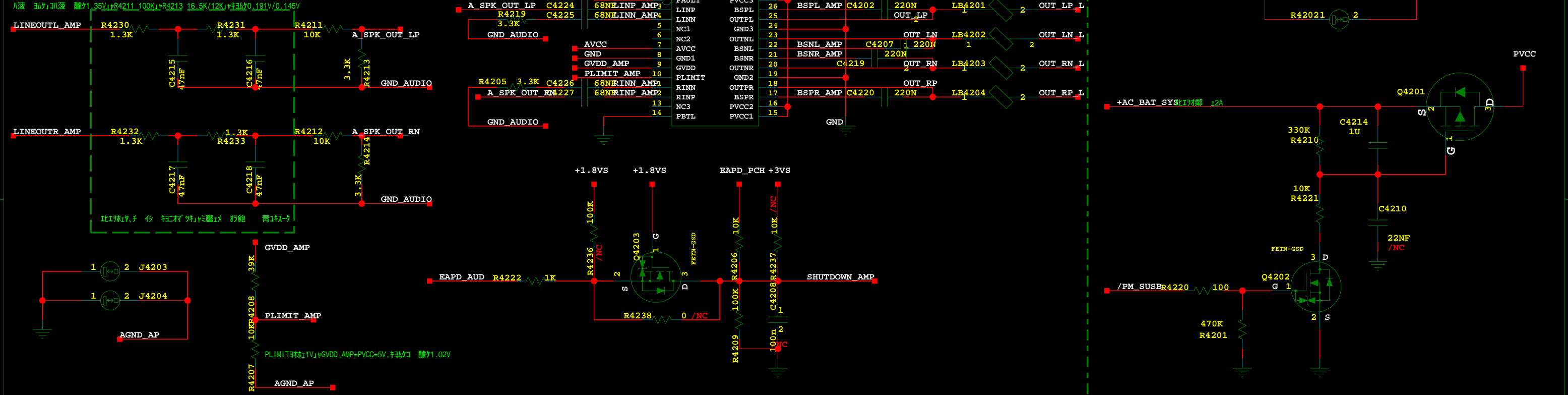


The type and specification of the components refer to the BOM

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				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Schematic1		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET	40_Audio_24codec/DMIC/J
		A	03030001	HUAWEI TECH CO.,LTD.	

1	2	3	4	5	6
41_Audio_ Codec/DMIC/Jack/Speaker					
A					A
B					B
此メウテ賽工カチ「ウ ・オトAudio Jack FPC」ヤアワテ簇 テ 鋸リク工」ヤヌ ケモテ工メウテ					
C					C
D					D
To Audio Jack Sub Board					
The type and specification of the components refer to the BOM					
				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 46 OF 25	
		A	03030001	HUAWEI TECH CO.,LTD.	
1	2	3	4	5	6

42_AUDIO_CODEC & AMP



The type and specification of the components refer to the BOM

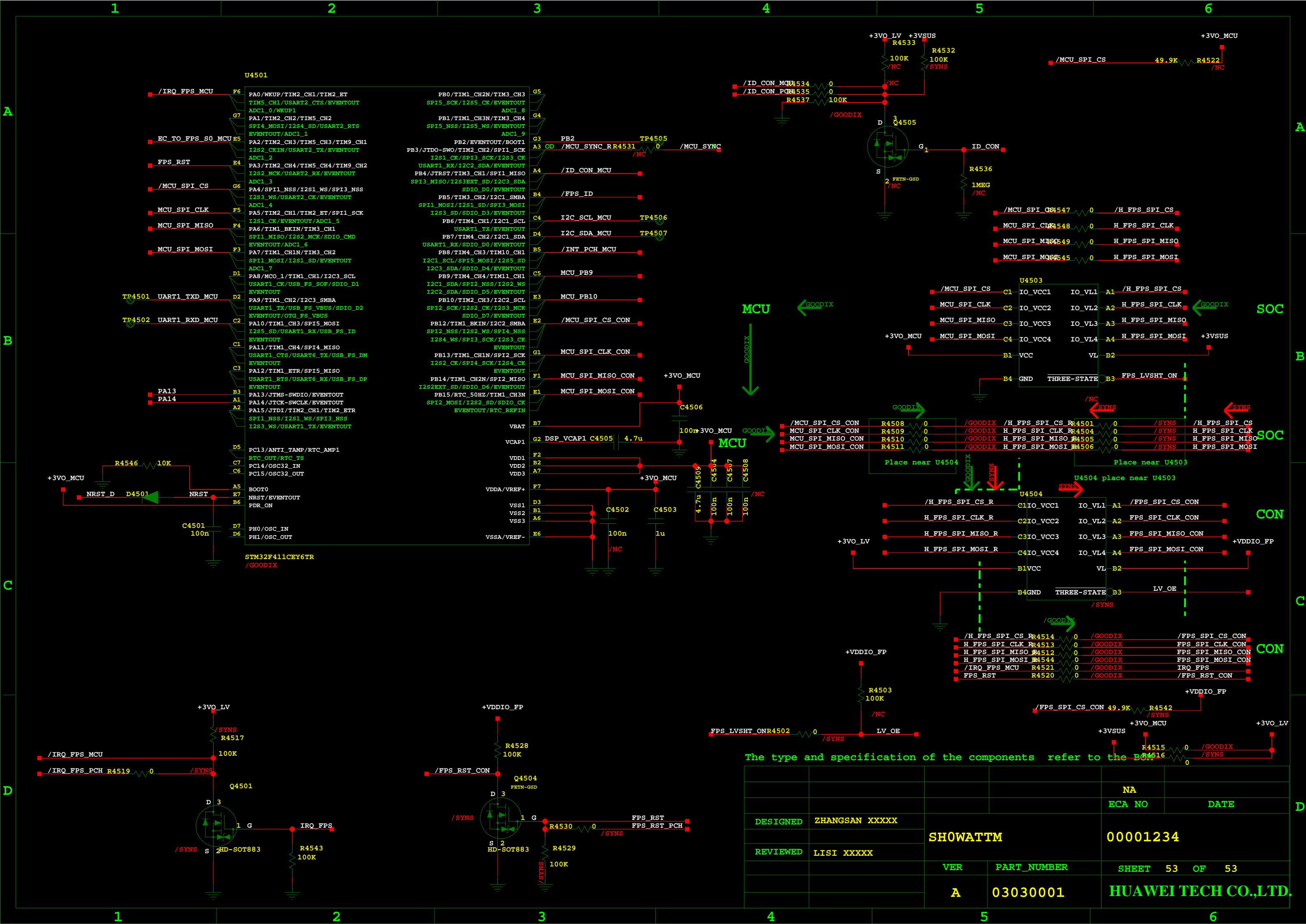
				NA	
				ECA NO	DATE
DESIGNED	SUITAO	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 39 OF 39	
		A	03030001	HUAWEI TECH CO.,LTD.	

1	2	3	4	5	6
43_AUDIO DMIC					
A					A
B					B
C					C
D					D
			The type and specification of the components refer to the BOM		
					NA
					ECA NO
			DESIGNED	ZHANGSAN XXXXX	DATE
					SHOWATTM
			REVIEWED	LISI XXXXX	
					00001234
				VER	PART_NUMBER
					SHEET 46 OF 46
				A	03030001
					HUAWEI TECH CO.,LTD.
1	2	3	4	5	6

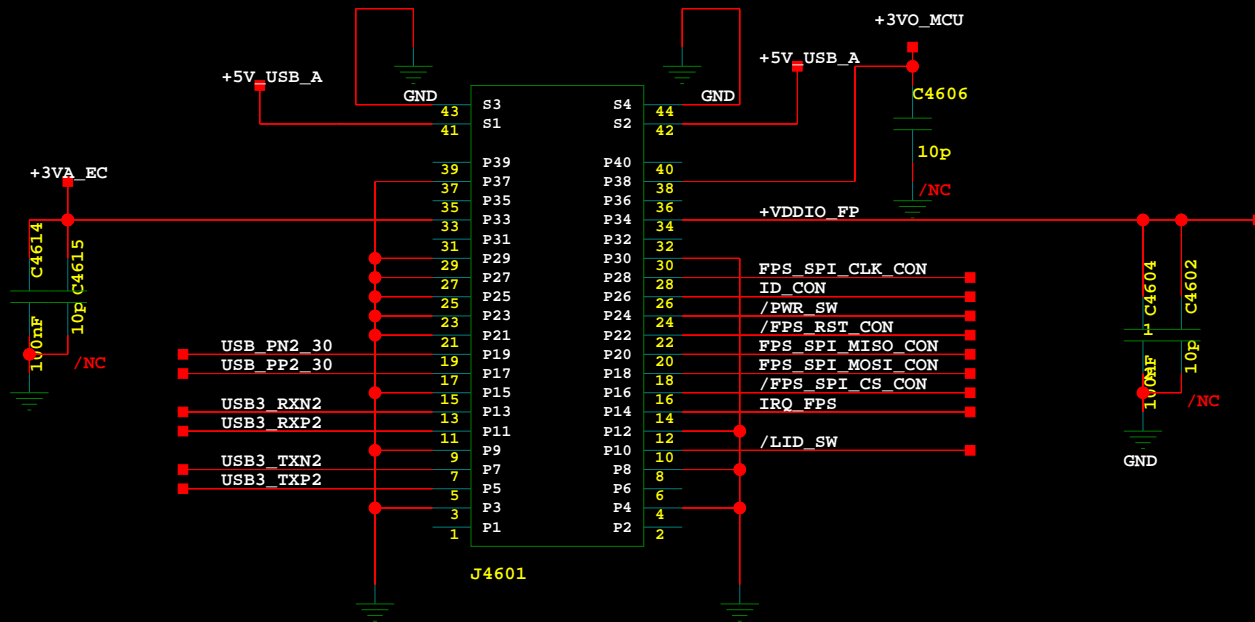
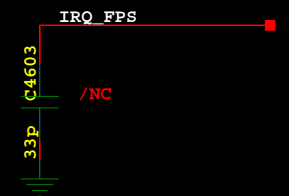
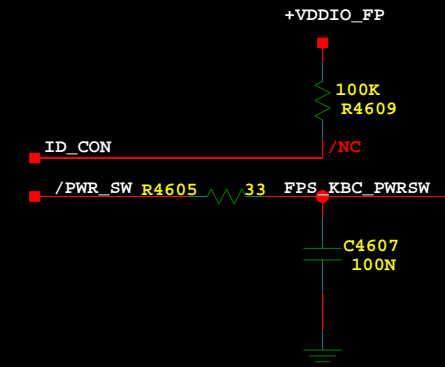
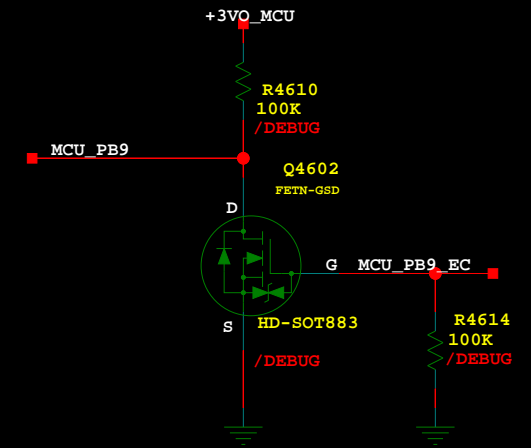
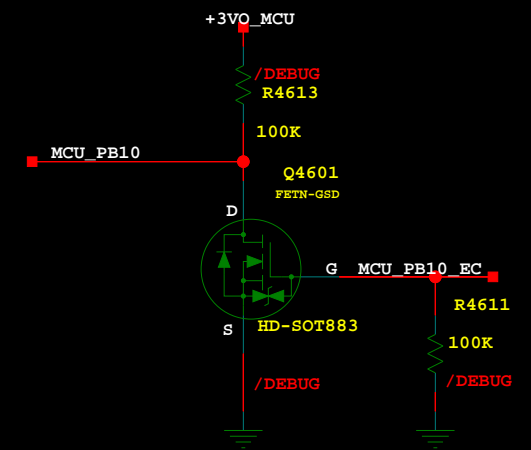
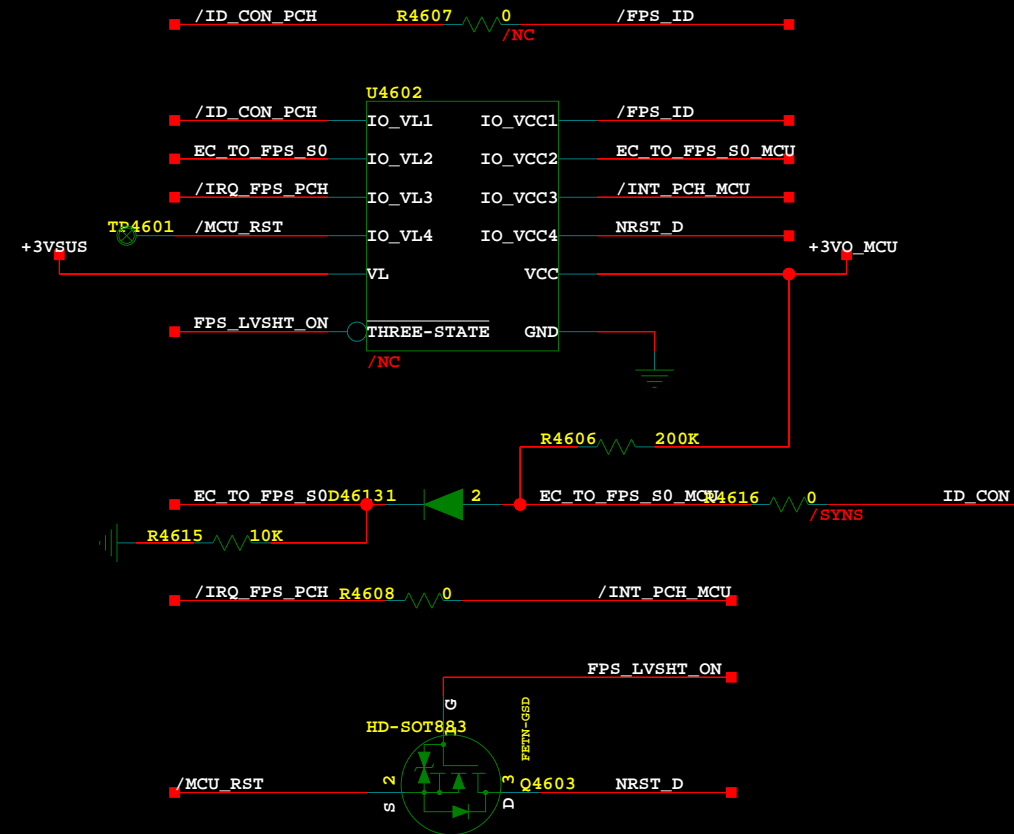
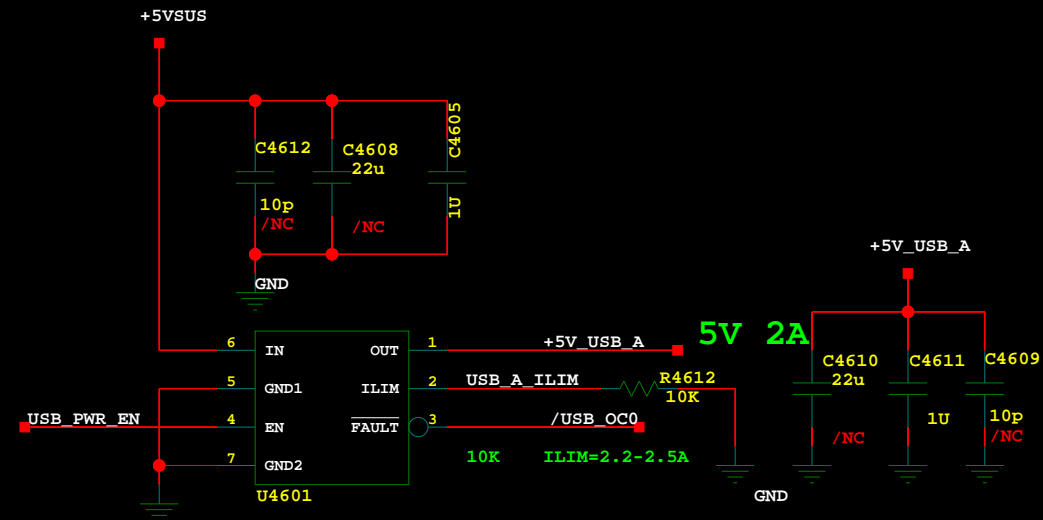
44_Audio DMIC

The type and specification of the components refer to the BOM

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				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Mach		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 102 OF 66	
		A	03030001	HUAWEI TECH CO.,LTD.	



46.Finger Sensor CON



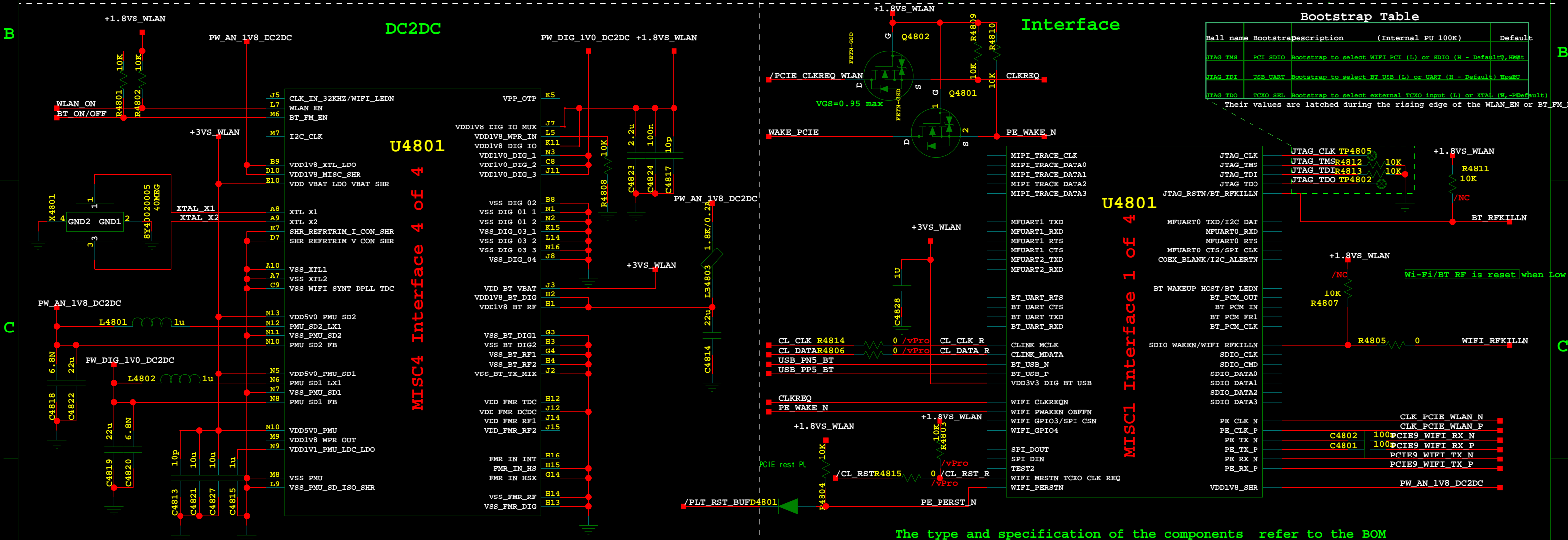
The type and specification of the components refer to the BOM

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		VER	PART_NUMBER	SHEET 54 OF 54	
		A	03030001	HUAWEI TECH CO.,LTD.	

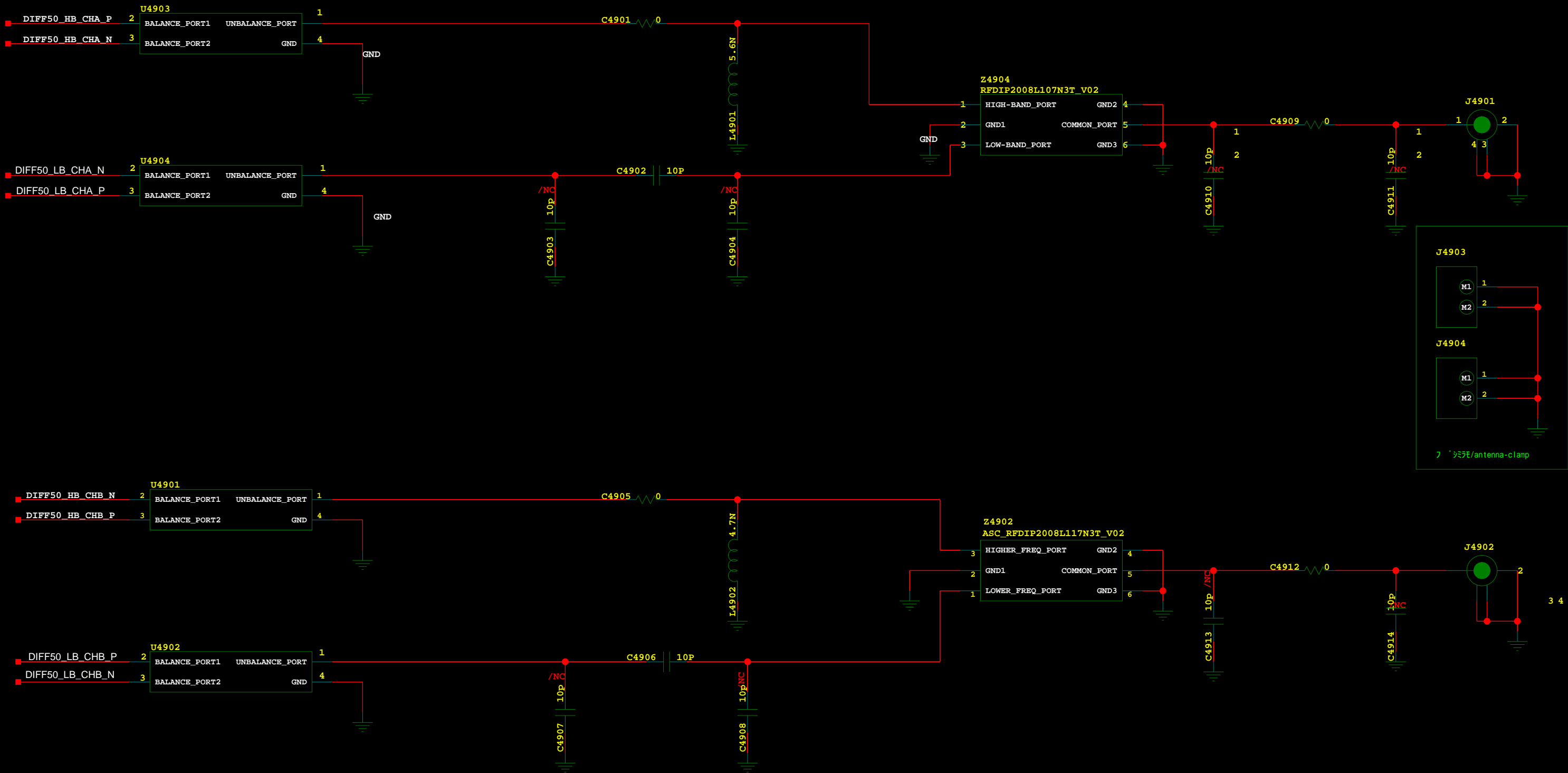
47_BLANK

The type and specification of the components refer to the BOM

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		VER	PART_NUMBER	SHEET	104 OF 68
		A	03030001	HUAWEI TECH CO.,LTD.	

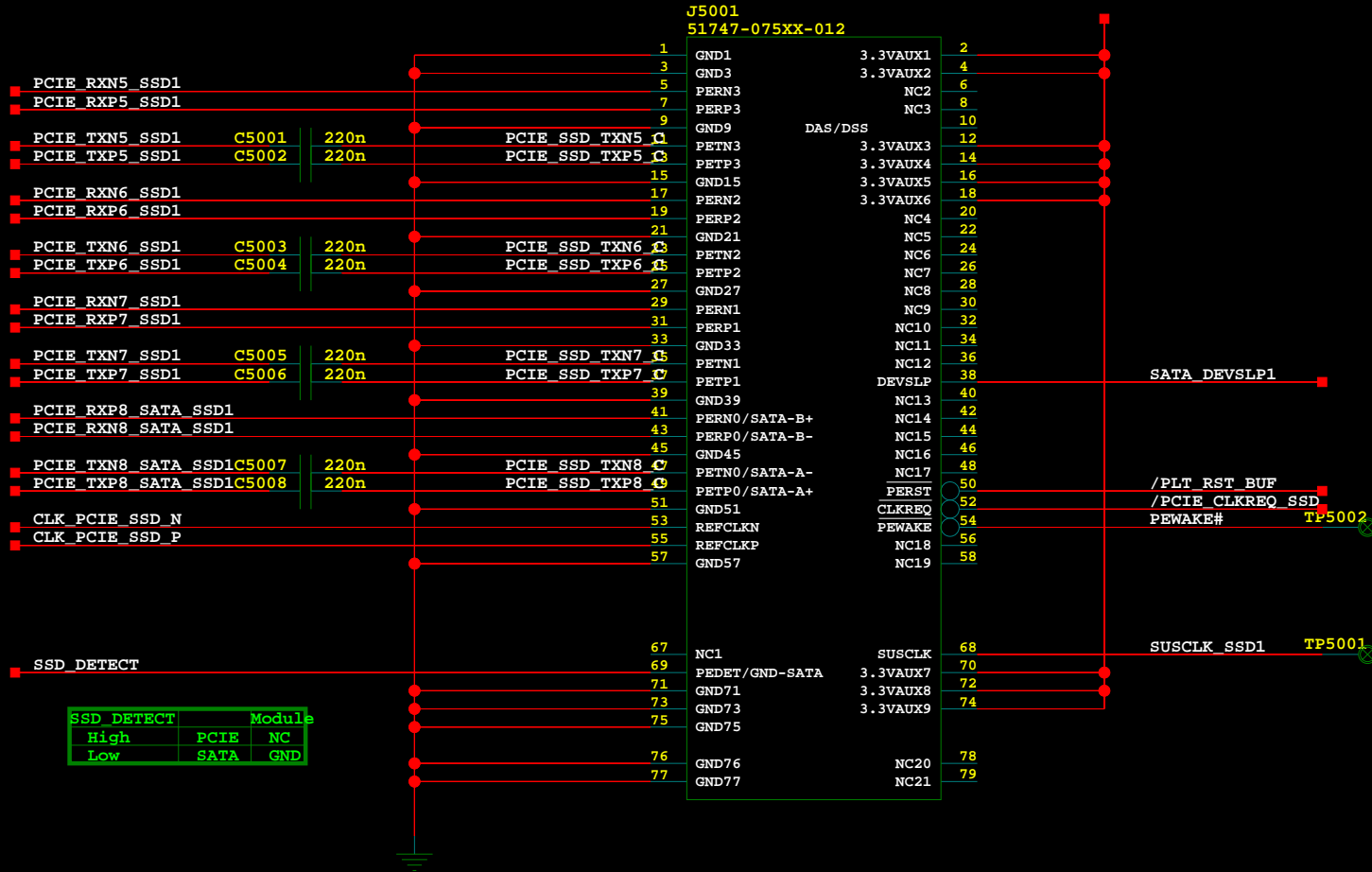
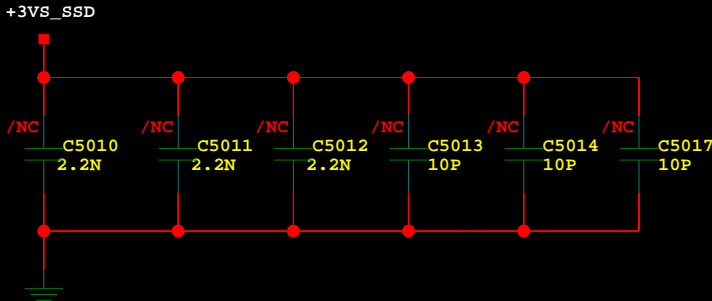
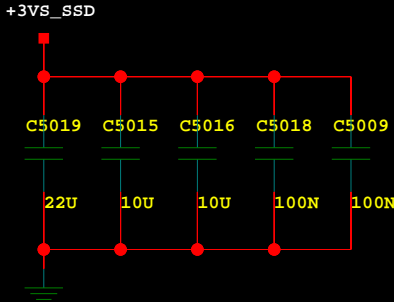


49_WIFI_BT_2



The type and specification of the components refer to the BOM					
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DESIGNED	ZHANGSAN XXXXX	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 42 OF 42	
		A	03030001	HUAWEI TECH CO.,LTD.	

50_M2 NGFF_ PCIe/Sata SSD



Pin	Pin Define	Pin	Pin Define
P1	GND	P2	3.3Vaux
P3	GND	P4	3.3Vaux
P5	PERn3	P6	NC
P7	PERp3	P8	NC
P9	GND	P10	DAS/DSS#
P11	PETn3	P12	3.3Vaux
P13	PETp3	P14	3.3Vaux
P15	GND	P16	3.3Vaux
P17	PERn2	P18	3.3Vaux
P19	PERP2	P20	NC
P21	GND	P22	NC
P23	PETn2	P24	NC
P25	PETP2	P26	NC
P27	GND	P28	NC
P29	PERn1	P30	NC
P31	PERp1	P32	NC
P33	GND	P34	NC
P35	PETn1	P36	NC
P37	PETp1	P38	DEVSLP
P39	GND	P40	NC
P41	PERn0/SATA-B+	P42	NC
P43	PERp0/SATA-B-	P44	NC
P45	GND	P46	NC
P47	PETn0/SATA-A-	P48	NC
P49	PETp0/SATA-A+	P50	PERST#
P51	GND	P52	CLKREQ#
P53	REFCLKN	P54	PEWAKE#
P55	REFCLKP	P56	NC
P57	GND	P58	NC

M KEY

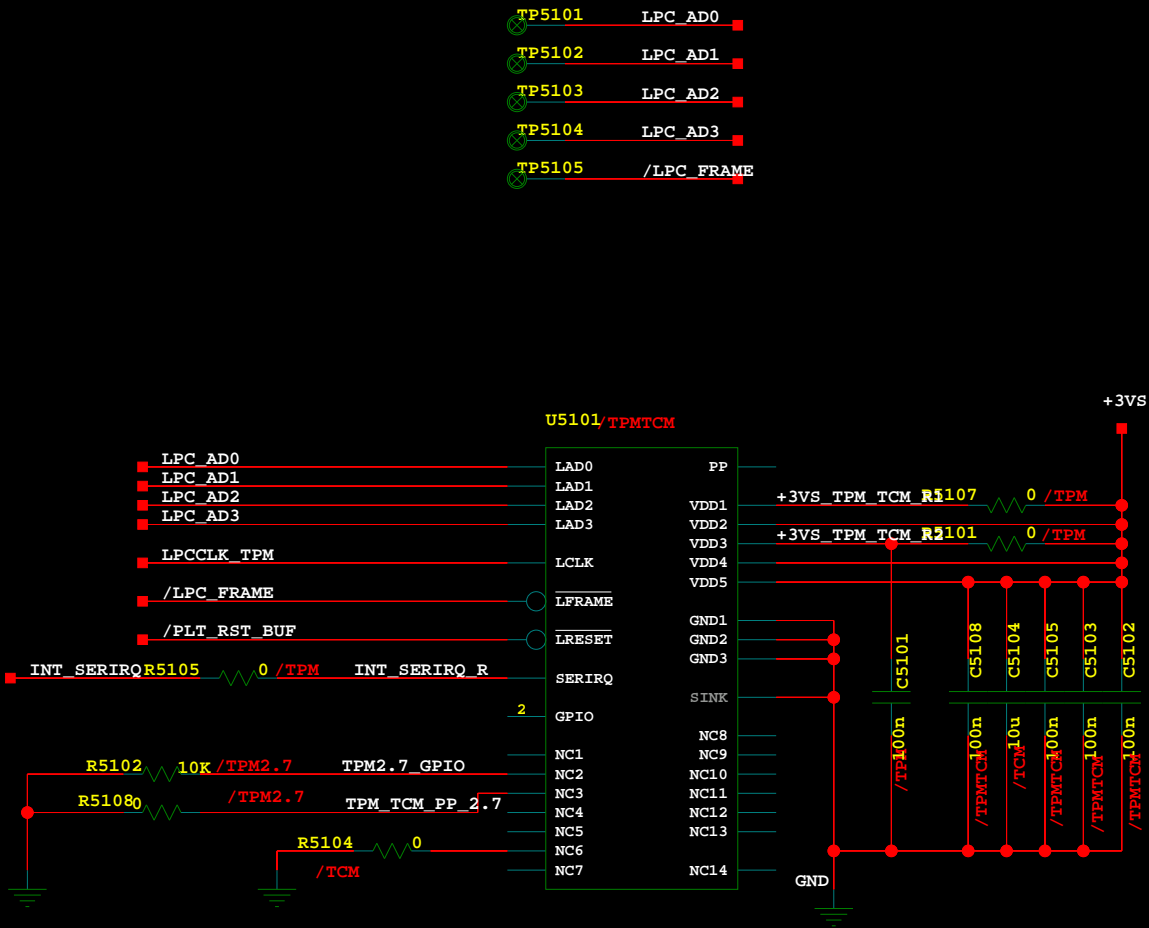
P67	NC	P68	SUSCLK
P69	PEDET/GND-SATA	P70	3.3Vaux
P71	GND	P72	3.3Vaux
P73	GND	P74	3.3Vaux
P75	GND		
P76	GND	P78	NC
P77	GND	P79	NC

SSD_DETECT	Module
High	PCIE NC
Low	SATA GND

The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET	OF
		A	03030001	HUAWEI TECH CO.,LTD.	

51:TPM/TCM



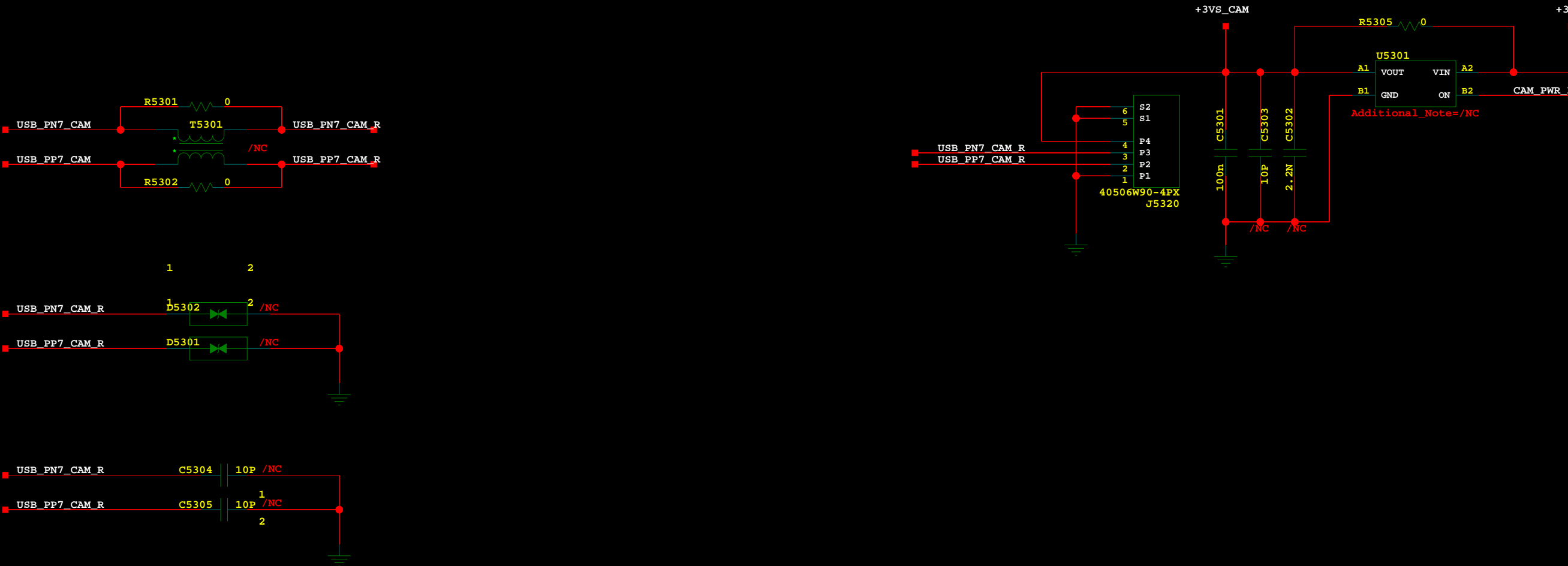
TPM	/TPM /TPMTCM mount
TCM	/TCM /TPMTCM mount
fTPM	/TCM /TPM /TPMTCM unmount

The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 77 OF 44	
		A	03030001	HUAWEI TECH CO.,LTD.	

	1	2	3	4	5	6																																								
A	52_BLANK																																													
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C																																														
D	<div>The type and specification of the components refer to the BOM</div> <table><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>NA</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>ECA NO</td><td>DATE</td></tr><tr><td>DESIGNED</td><td>ZHANGSAN XXXXX</td><td colspan="2" rowspan="2">Mach</td><td colspan="2" rowspan="2">00001234</td></tr><tr><td>REVIEWED</td><td>LISI XXXXX</td></tr><tr><td></td><td></td><td>VER</td><td>PART_NUMBER</td><td colspan="2">SHEET 103 OF 73</td></tr><tr><td></td><td></td><td rowspan="2">A</td><td rowspan="2">03030001</td><td colspan="2" rowspan="2">HUAWEI TECH CO.,LTD.</td></tr><tr><td></td><td></td></tr></table>																NA						ECA NO	DATE	DESIGNED	ZHANGSAN XXXXX	Mach		00001234		REVIEWED	LISI XXXXX			VER	PART_NUMBER	SHEET 103 OF 73				A	03030001	HUAWEI TECH CO.,LTD.			
				NA																																										
				ECA NO	DATE																																									
DESIGNED	ZHANGSAN XXXXX	Mach		00001234																																										
REVIEWED	LISI XXXXX																																													
		VER	PART_NUMBER	SHEET 103 OF 73																																										
		A	03030001	HUAWEI TECH CO.,LTD.																																										
	1	2	3	4	5	6																																								

53_USB Camera



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Mach		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 103 OF 67	
		A	03030001	HUAWEI TECH CO.,LTD.	

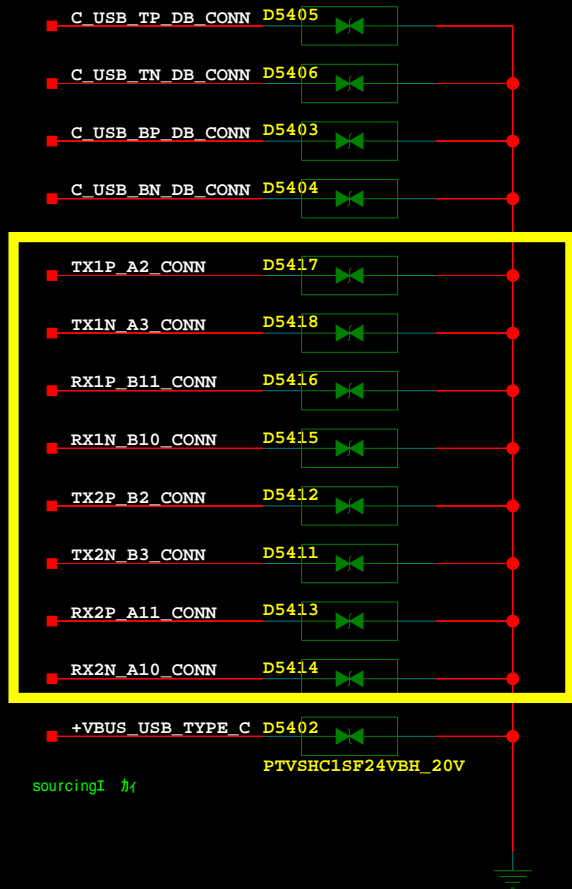
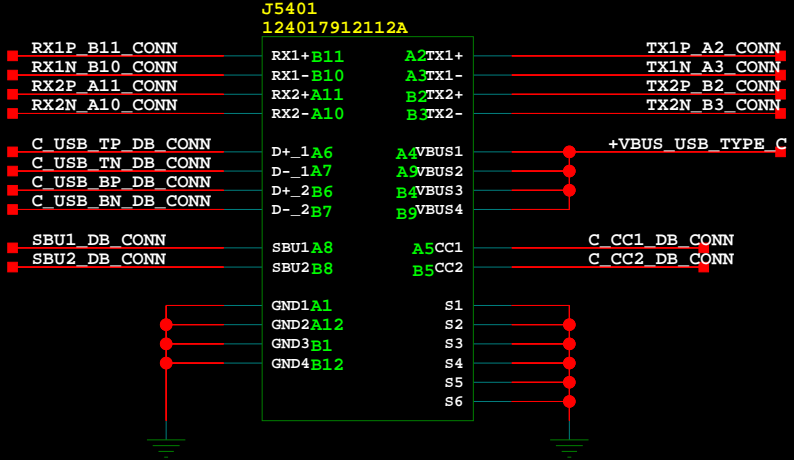
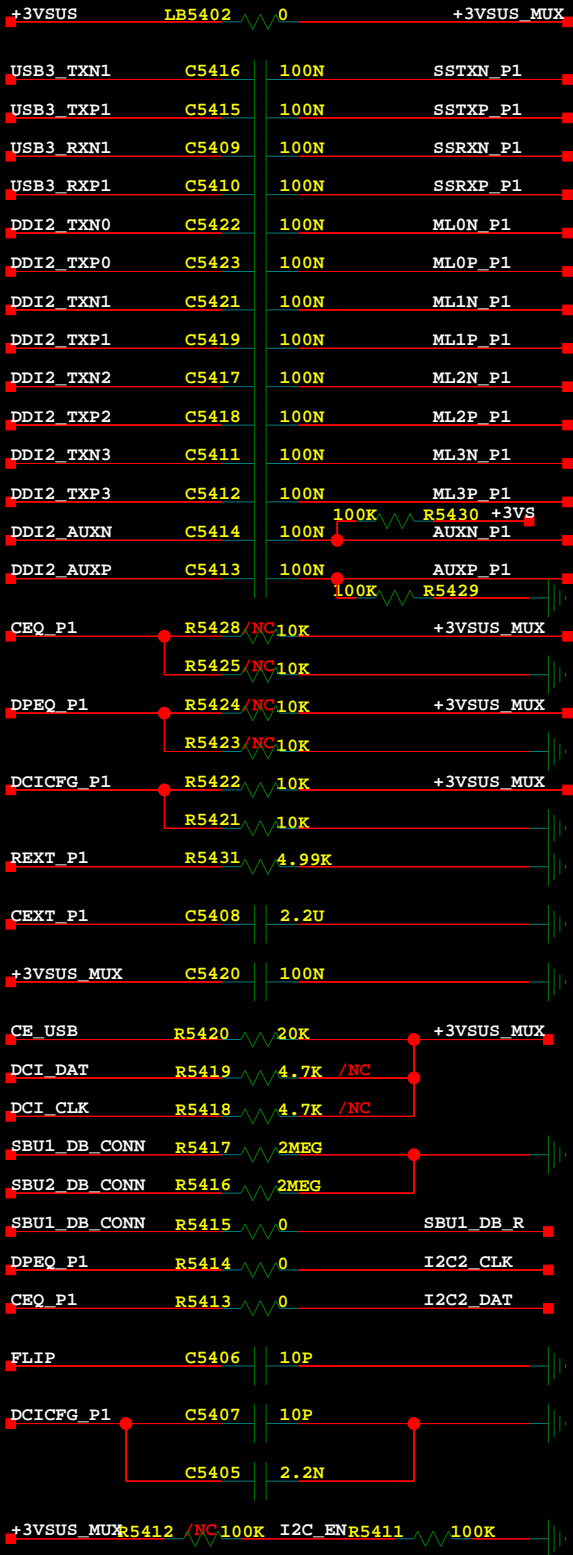
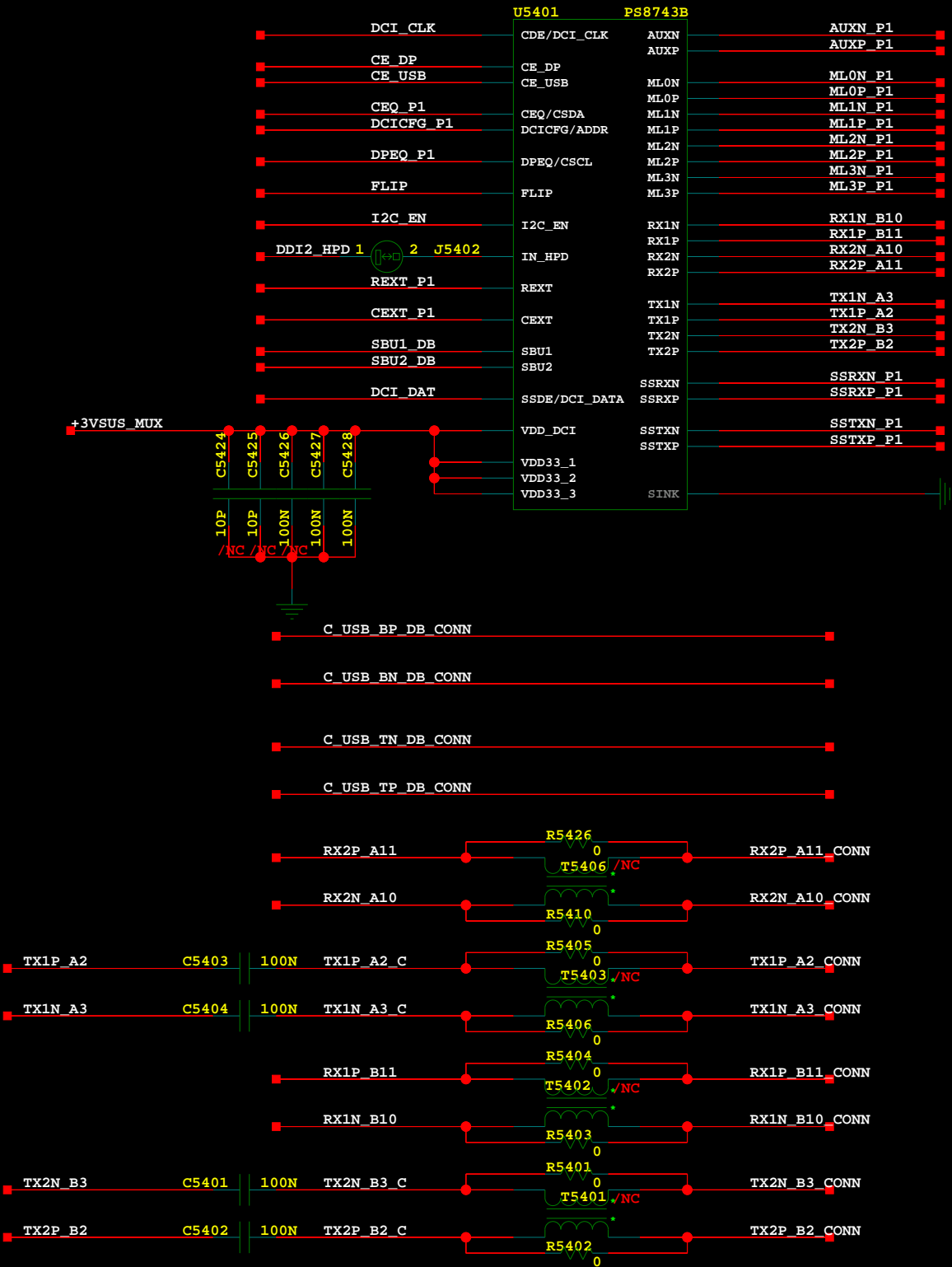
54_TYPE C_Conn_1

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The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
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REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 94 OF 57	
		A	03030001	HUAWEI TECH CO.,LTD.	

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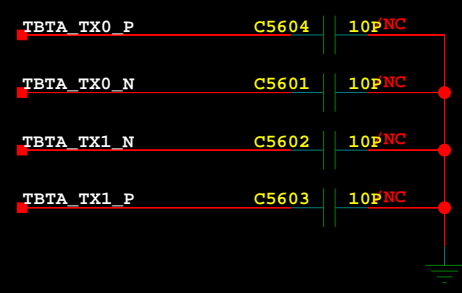
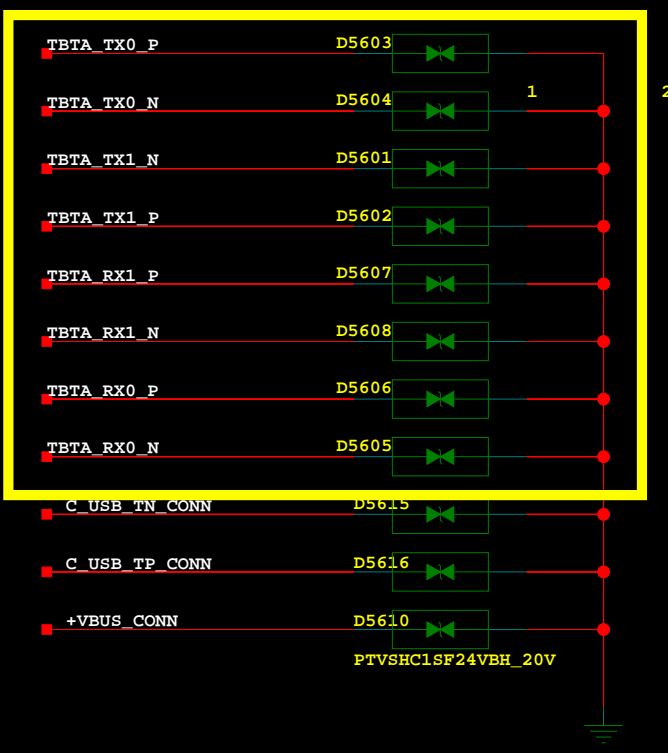
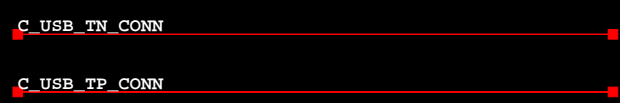
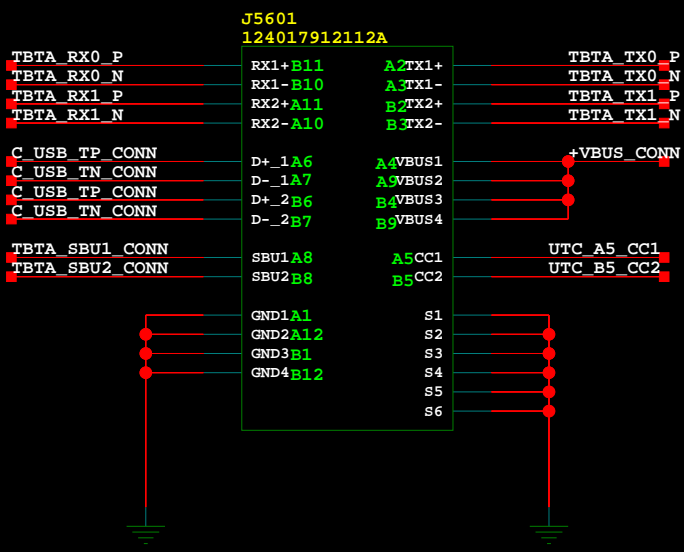
6

From Adaptor

The type and specification of the components refer to the BOM.

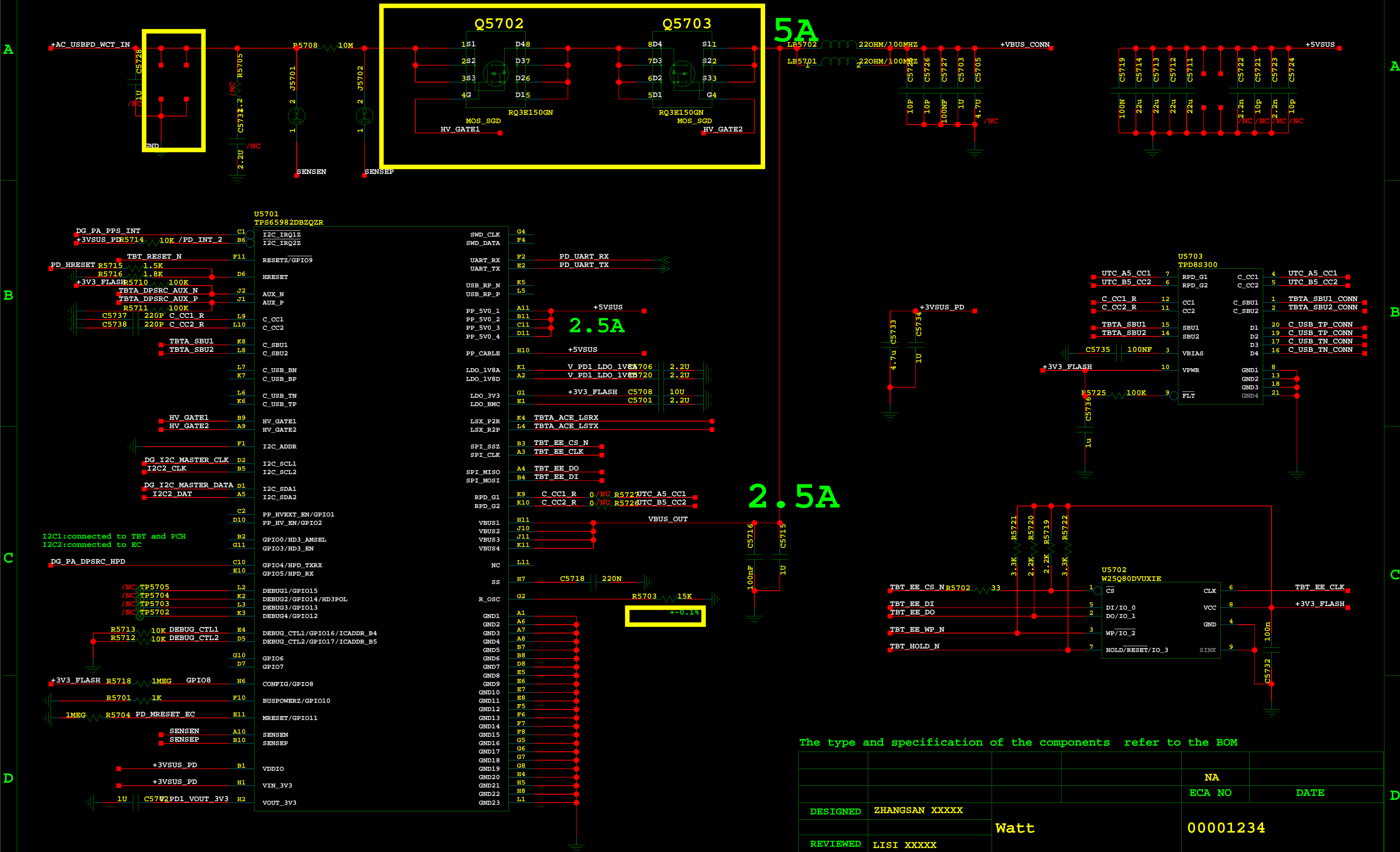
				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 51 OF 30	
		A	03030001	HUAWEI TECH CO.,LTD.	

56_TYPE C_Conn_2



The type and specification of the components refer to the BOM					
				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 95 OF 58	
		A	03030001	HUAWEI TECH CO.,LTD.	

57_USB_Type C_CC+PD_2



The type and specification of the components refer to the BOM

				NA		D
				ECA NO	DATE	
DESIGNED	ZHANGSAN XXXXX	Watt		00001234		
REVIEWED	LI SI XXXXX					
		VER	PART_NUMBER	SHEET 51 OF 30		
		A	03030001	HUAWEI TECH CO.,LTD.		

1	2	3	4	5	6
58_BLANK					

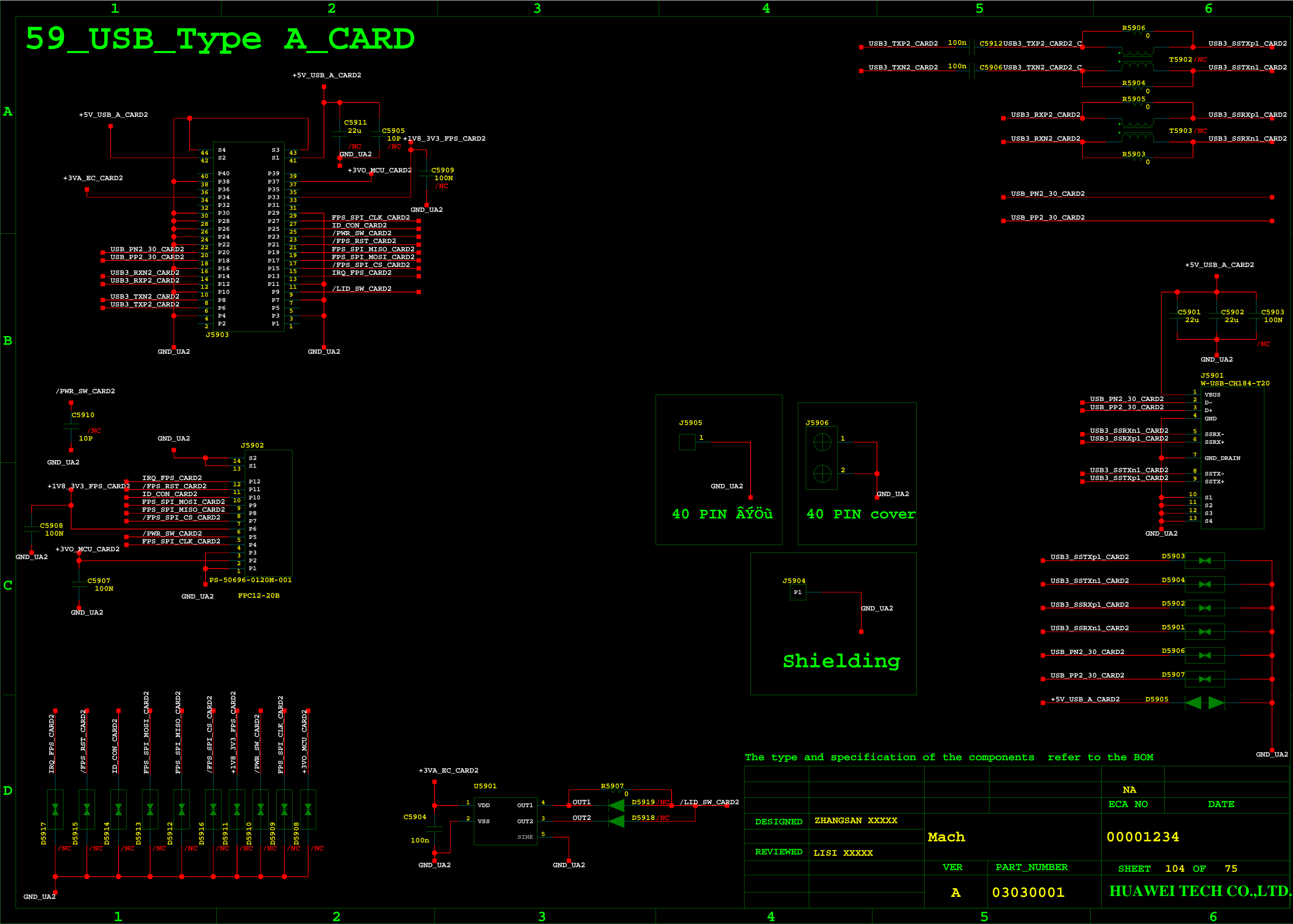
59_USB_Type A_CARD

A

B

C

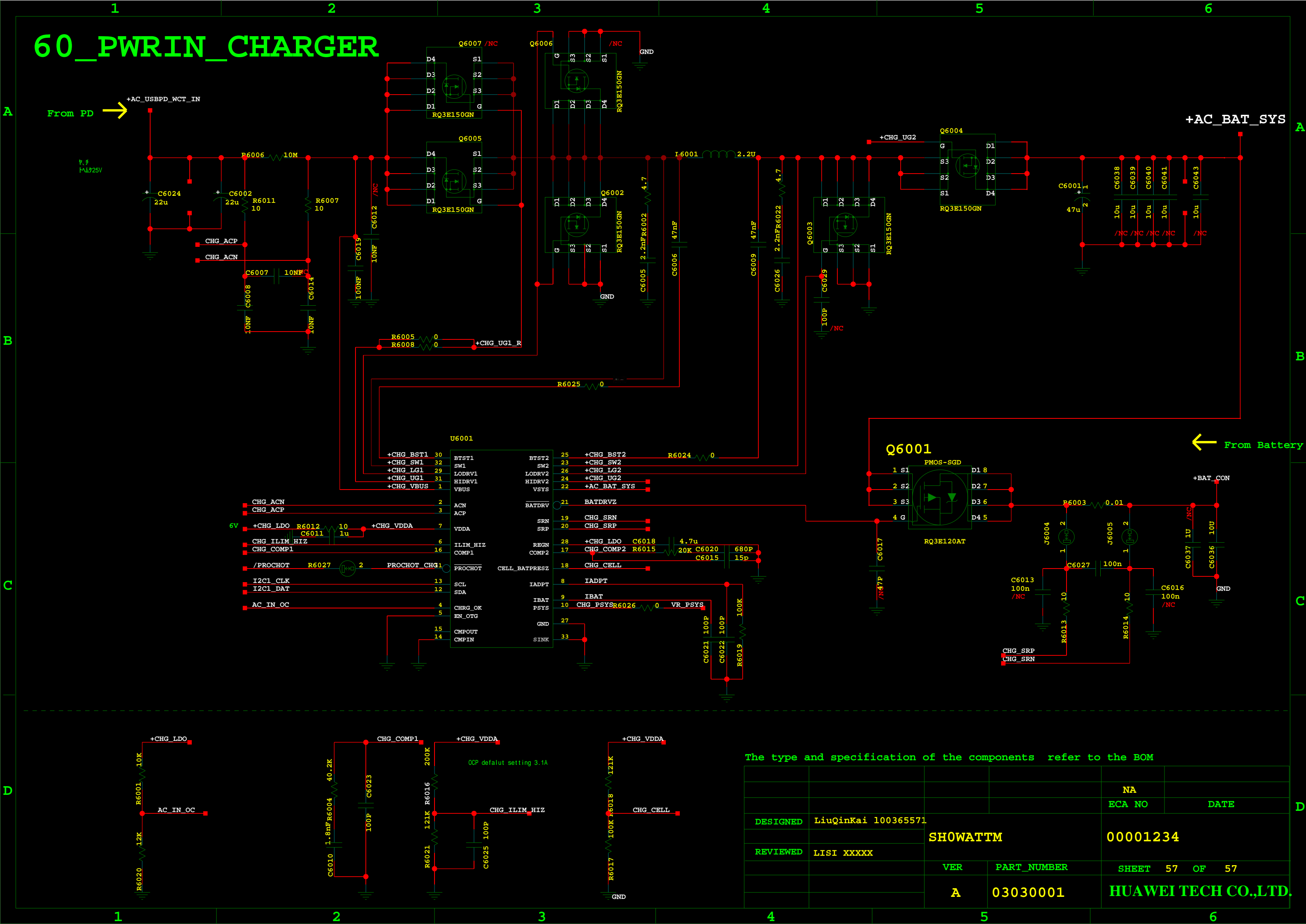
D



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Mach		00001234	
REVIEWED	LISI XXXXX	VER	PART_NUMBER	SHEET	104 OF 75
		A	03030001	HUAWEI TECH CO.,LTD.	

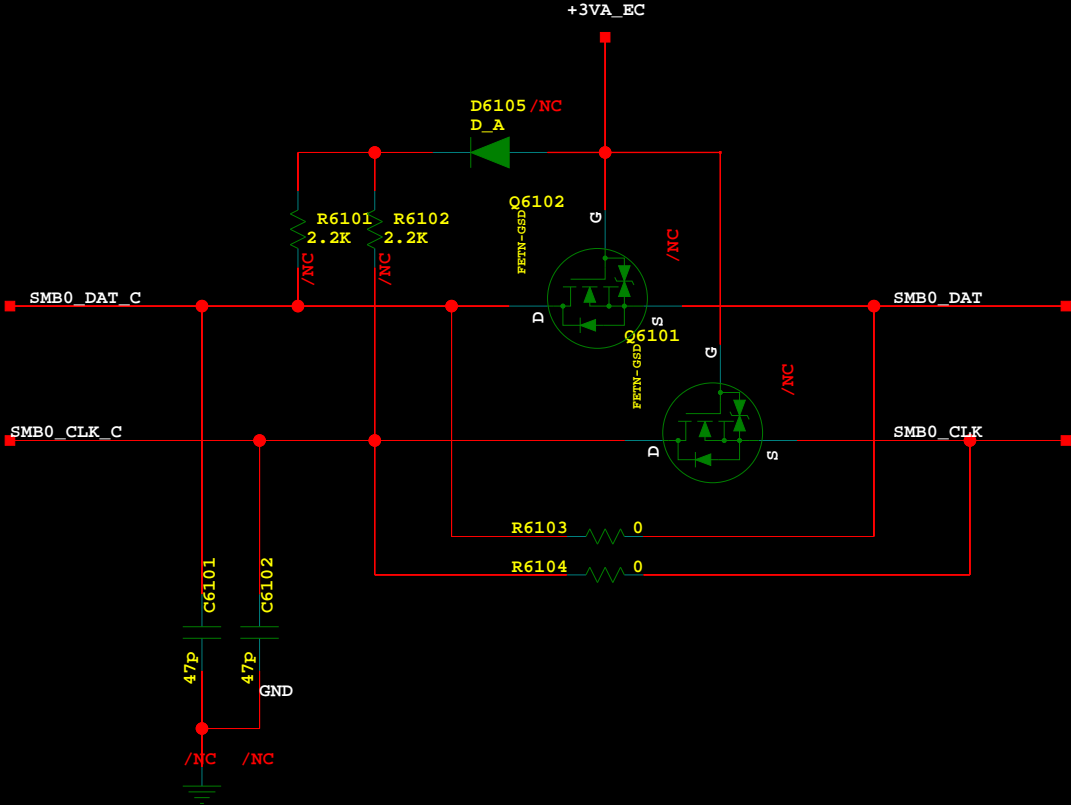
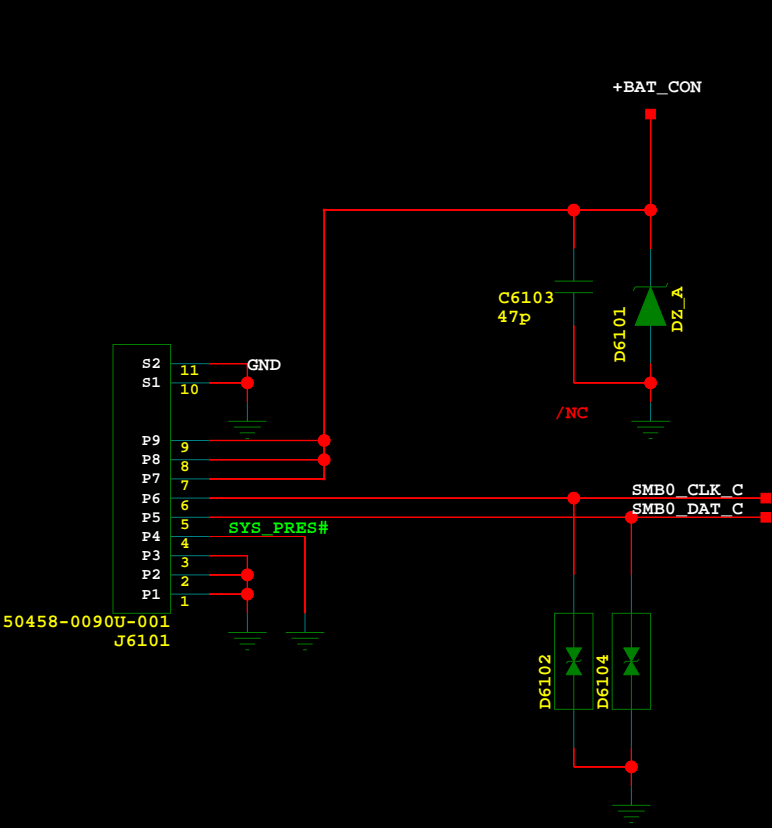
60_PWRIN_CHARGER



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	LiuQinKai 100365571	SHOWATTM		00001234	
REVIEWED	LISI XXXXX	VER	PART_NUMBER	SHEET 57 OF 57	
		A	03030001	HUAWEI TECH CO.,LTD.	

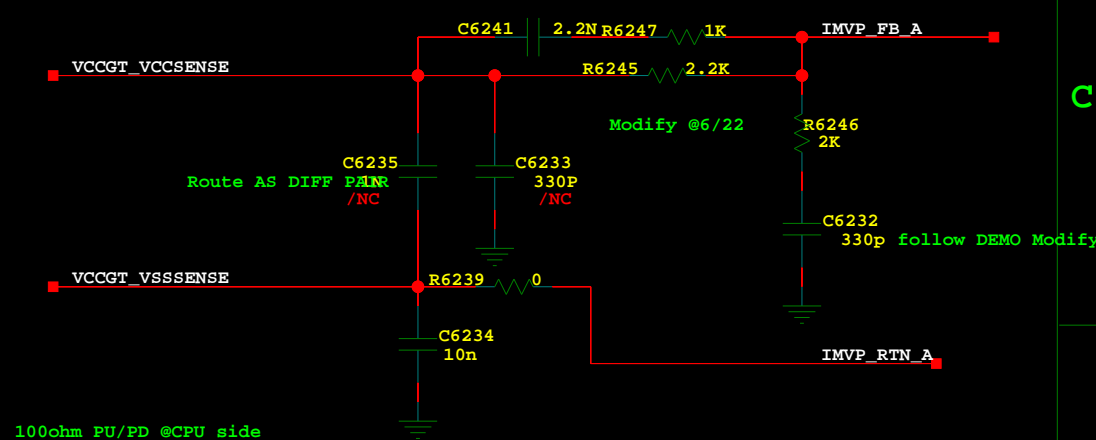
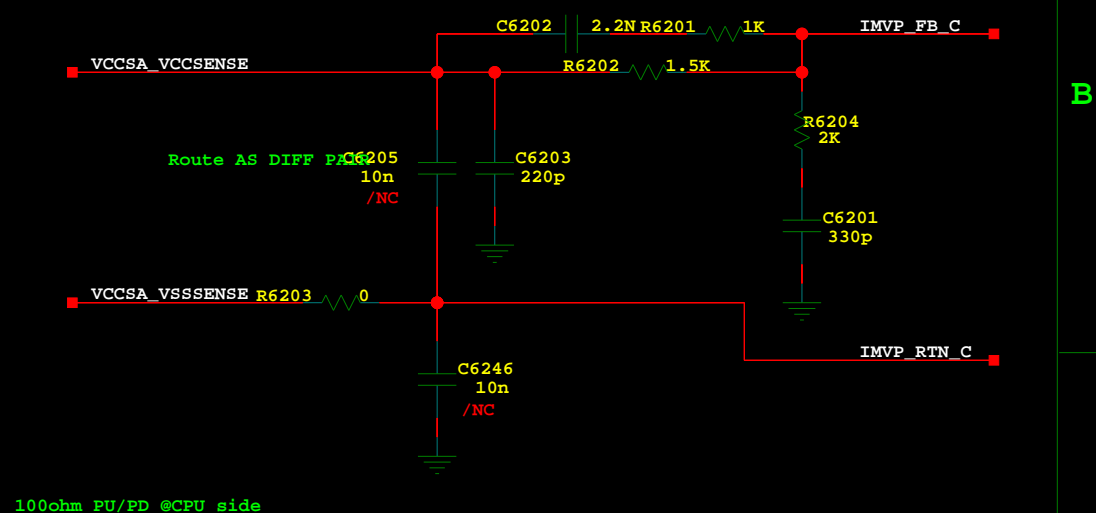
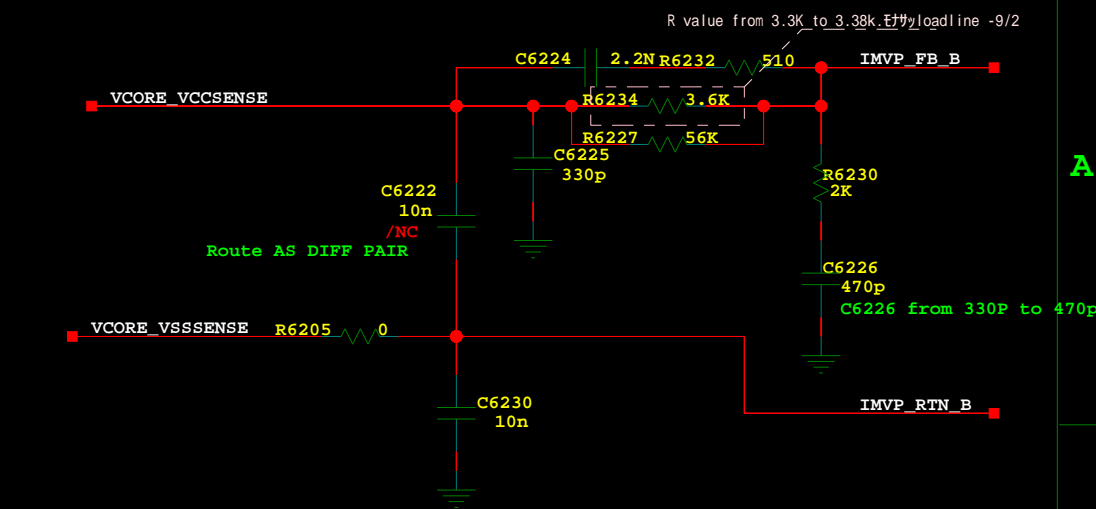
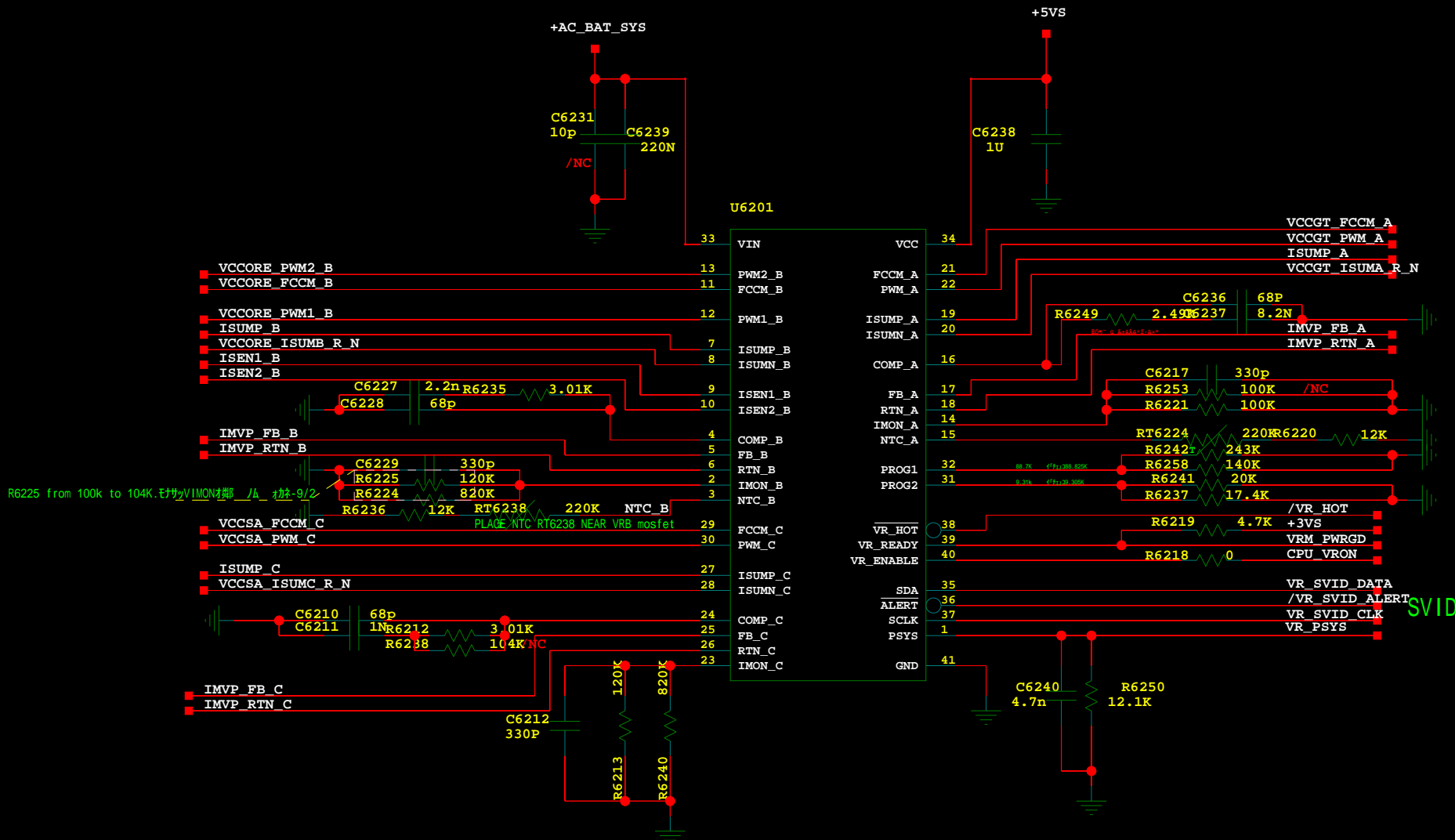
Battery Connector



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	LiuQinKai 100365571	Mach		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 105 OF 68	
		A	03030001	HUAWEI TECH CO.,LTD.	

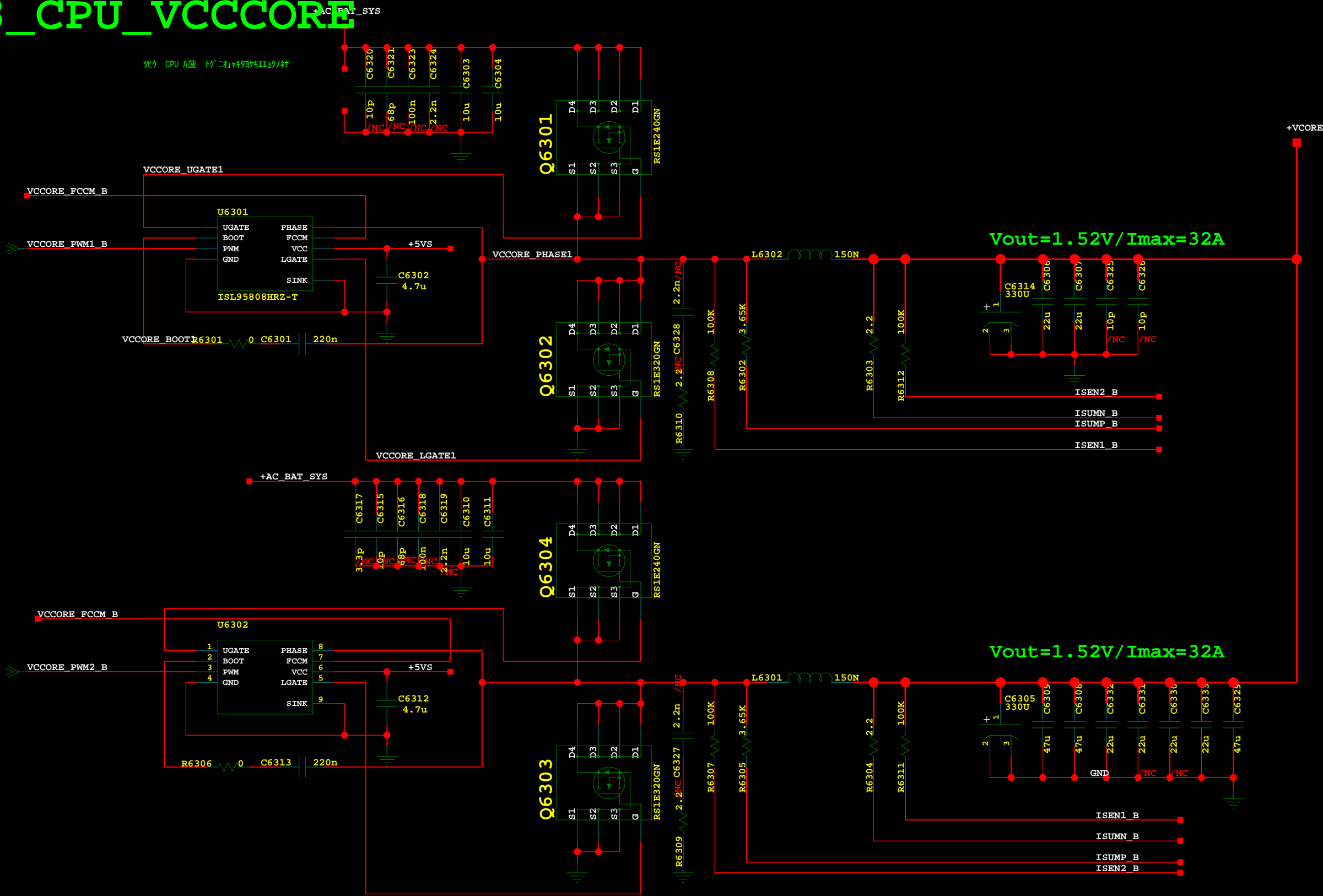
62_IMVP8_CONTROLER



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	LiuQinKai 100365571	A3TITLEBLOCK		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET	66_IMVP8_CONTROLLER
		A	03030001	HUAWEI TECH CO.,LTD.	

63_IMVP8_CPU_VCCCORE



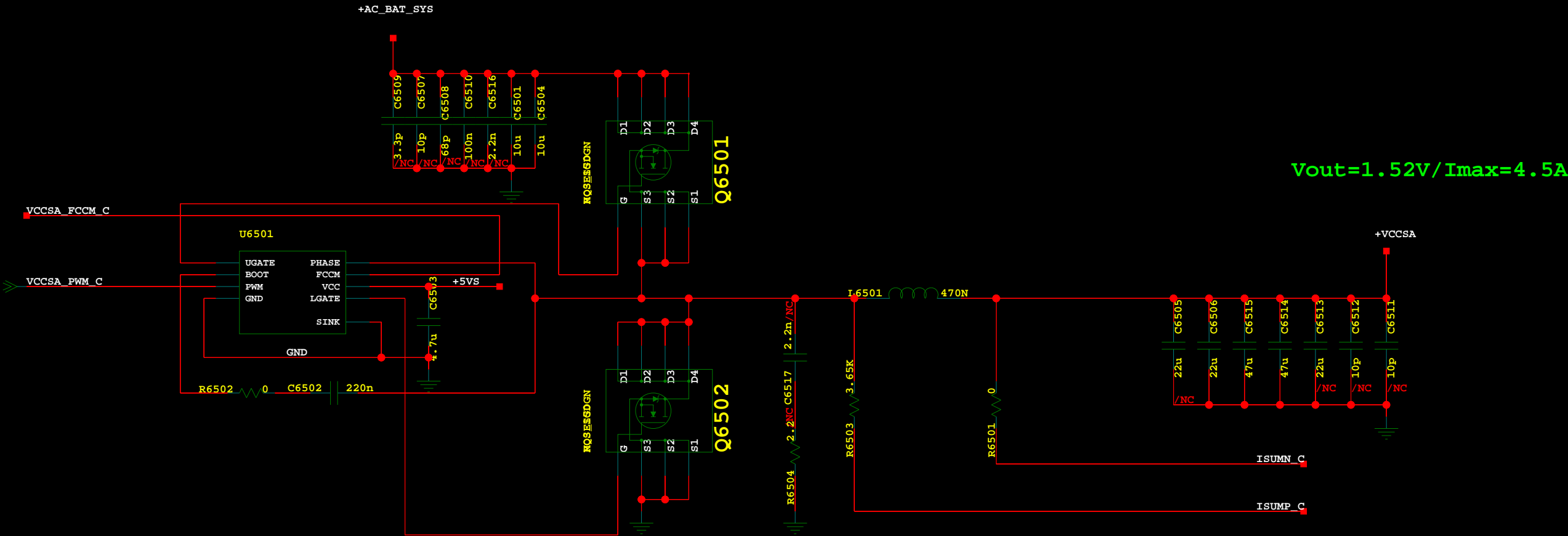
The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	LiuQinKai 100365571	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 67 OF 67	
		A	03030001	HUAWEI TECH CO.,LTD.	



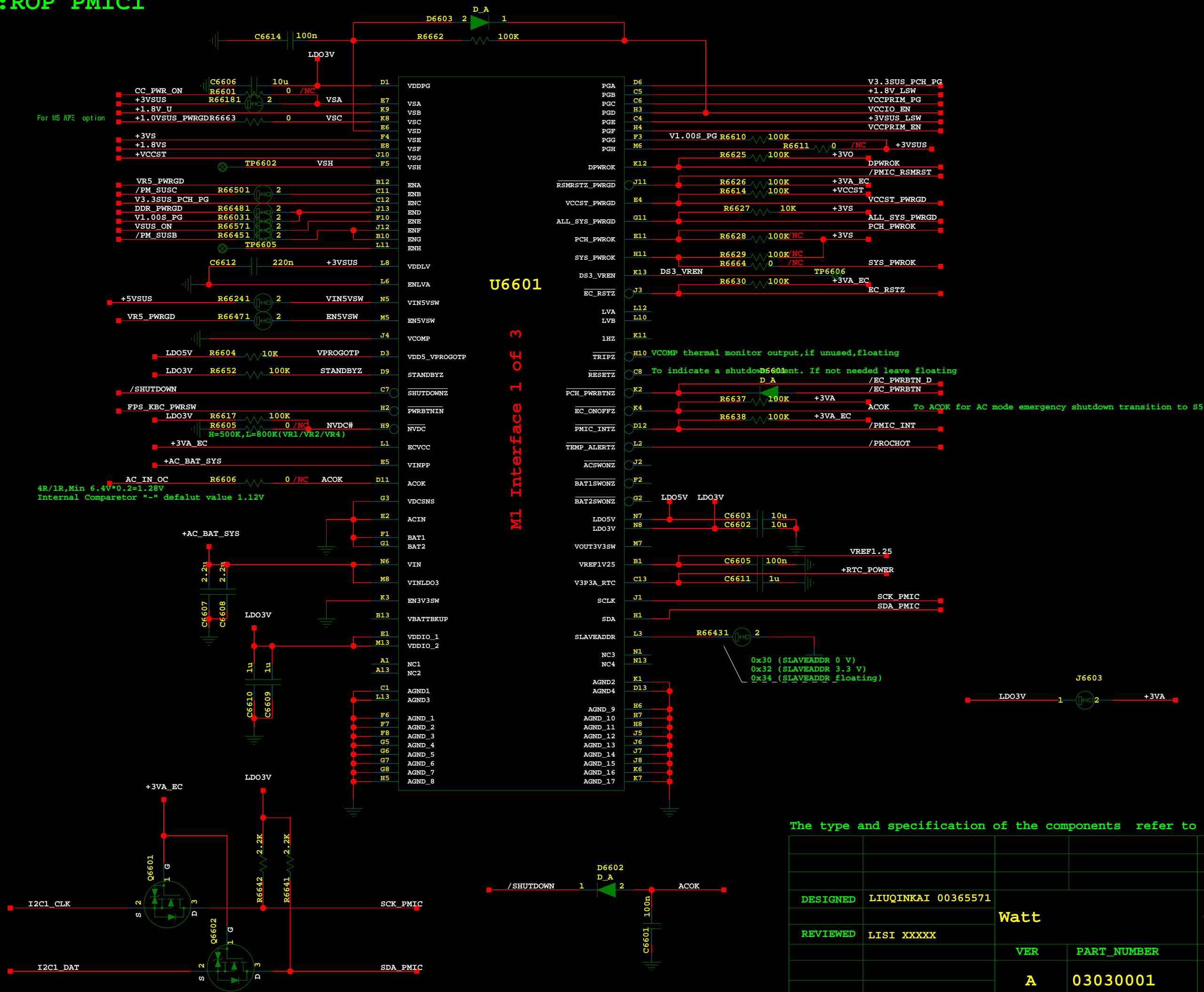
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				ECA NO	DATE
DESIGNED	LiuQinKai 100365571	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET	68 OF 68
		A	03030001	HUAWEI TECH CO.,LTD	

65:IMVP8_CPU_VCCSA



The type and specification of the components refer to the BOM					
				NA	
				ECA NO	DATE
DESIGNED	LiuQinKai 100365571	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 69 OF 69	
		A	03030001	HUAWEI TECH CO.,LTD.	

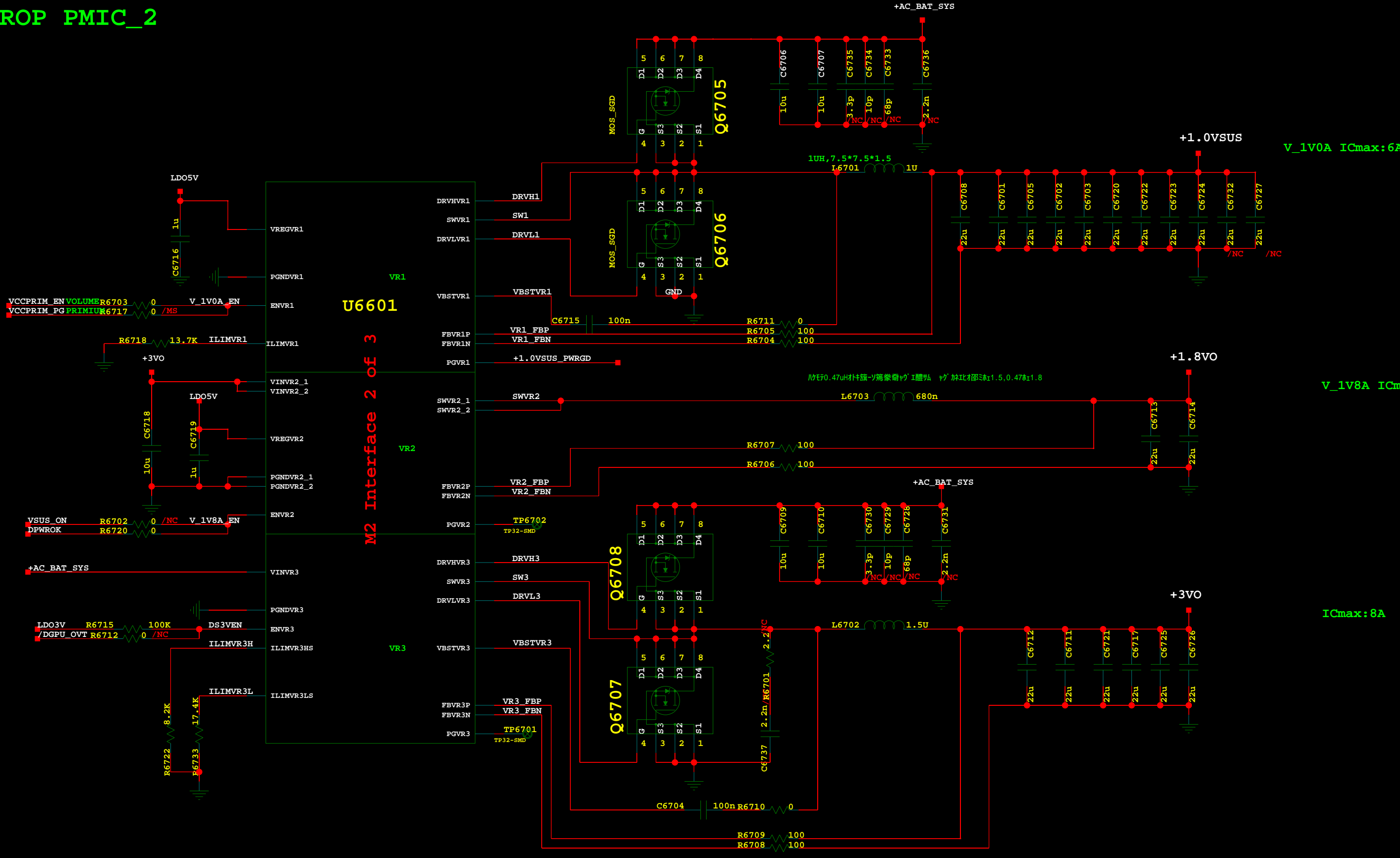
66:ROP PMIC1



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	LIUQINKAI 00365571	Watt		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET	71-ROF_PMTG_1
		A	03030001	HUAWEI TECH CO.,LTD.	

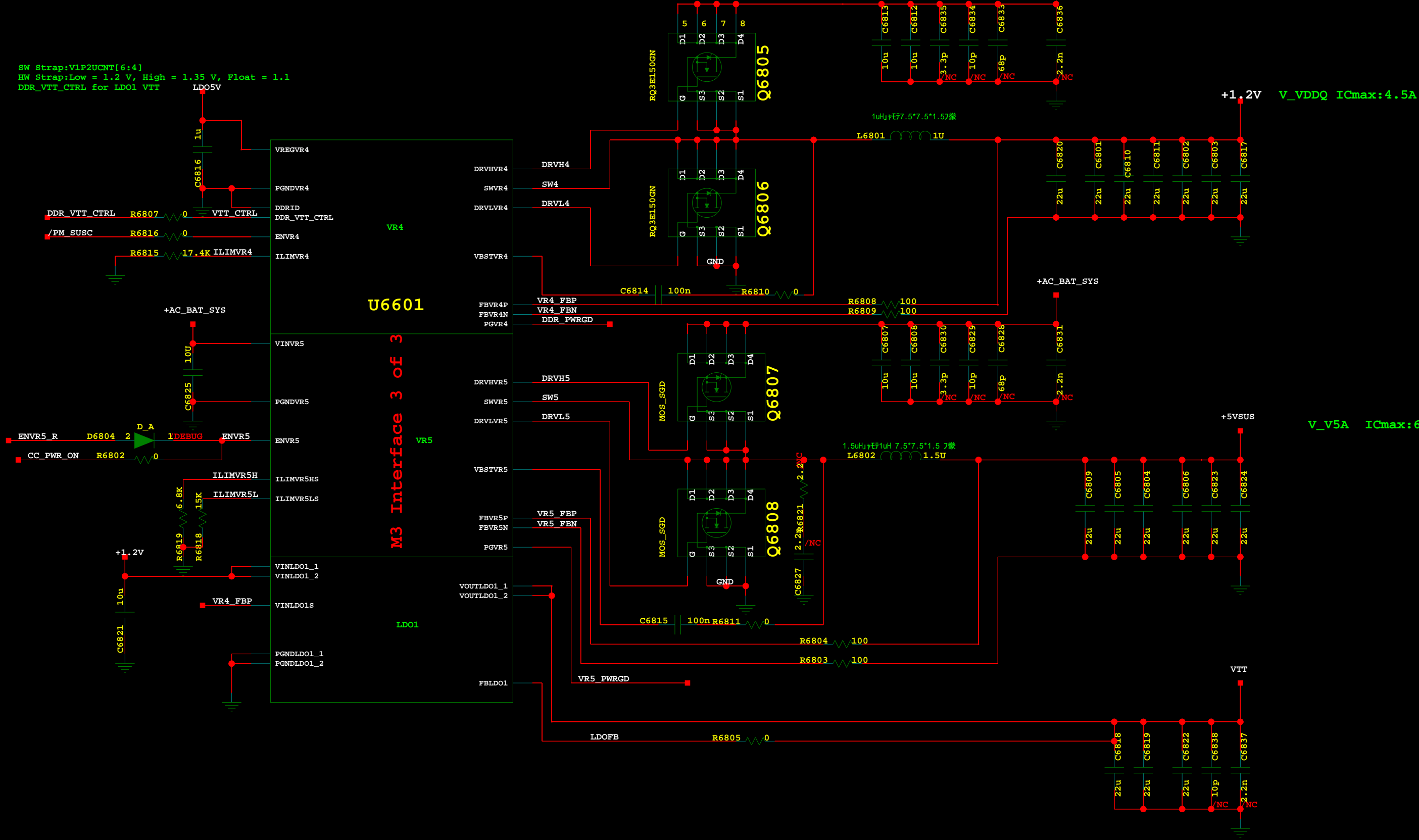
67_ROP PMIC_2



The type and specification of the components refer to the BOM					
				NA	
				ECA NO	DATE
DESIGNED	LIUQINKAI 00365571	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 72 OF 72	
		A	03030001	HUAWEI TECH CO.,LTD.	

68:ROP PMIC3

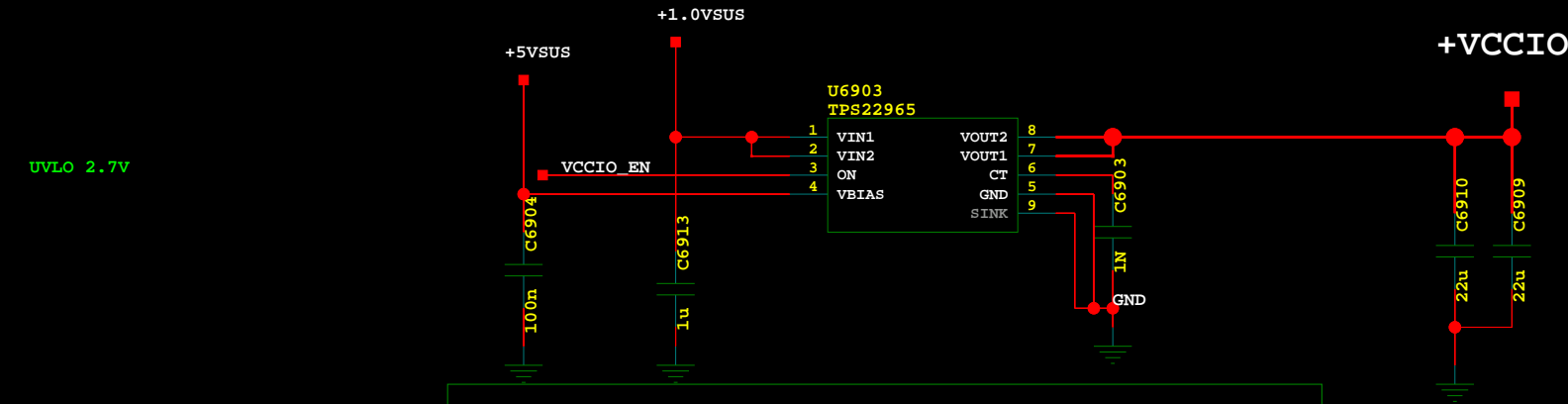
SW Strap:VIP2UCNT[6:4]
HW Strap:Low = 1.2 V, High = 1.35 V, Float = 1.1
DDR_VTT_CTRL for LDO1 VTT



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Mach		00001234	
REVIEWED	LISI XXXXX			68-ROP_PMIC_3	
		VER	PART_NUMBER	SHEET	OF 75
		A	03030001	HUAWEI TECH CO.,LTD.	

69_ROP PMIC_4

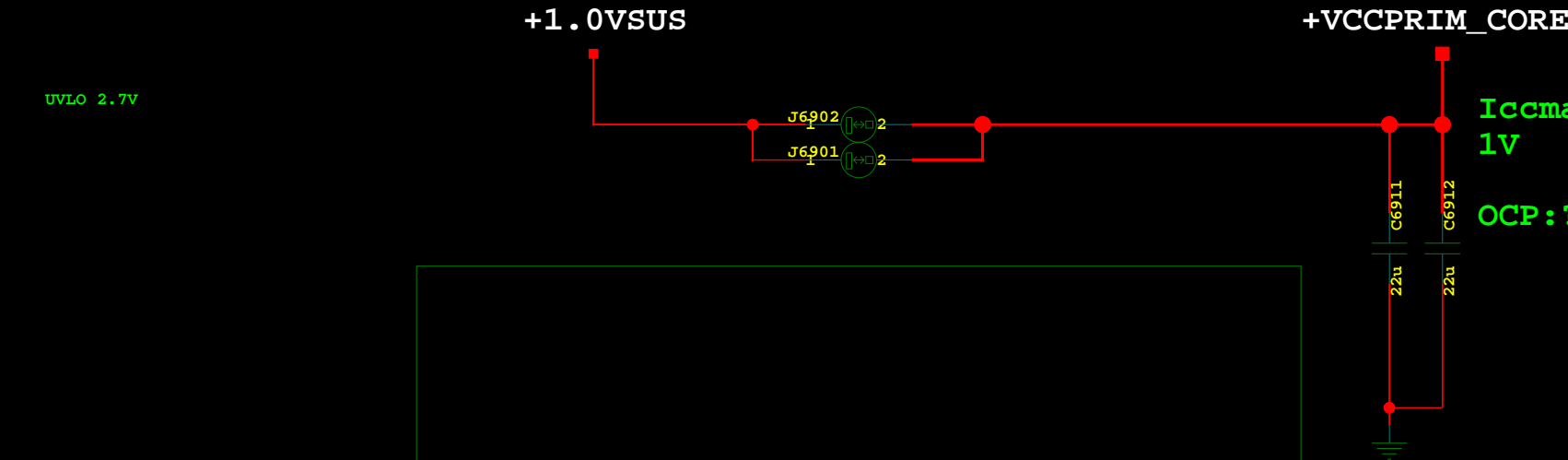


DEL VCCIO PMIC @8/24

0.95V
Iccmax:3.1A
OCP:3.1A*2?

VCCIO 0.975 defalut on KBL-U
VID(0,1)=1 ,1
VCCIO can 0.95 on KBL-U
VPRIM VID by control PCH

DEL PRIM VID @8/17



Iccmax:2.57A
1V
OCP:?

DEL VCCPRIM PMIC @8/24

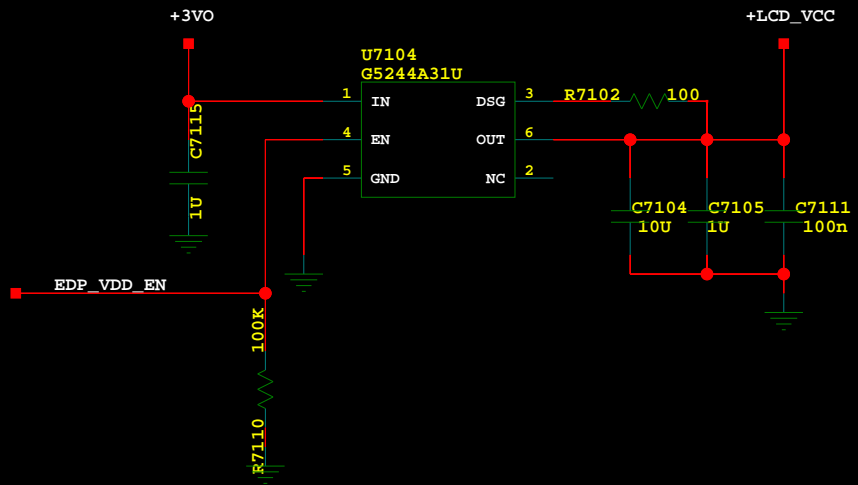
PART NUMBER	LPM LOGIC	VID1	LOGICVID0	LOGICOUTPUT VOLTAGE (V)
TPS62134A	0	X	X	0(LPM)
	1	0	0	0.85
	1	0	1	0.875
	1	1	0	0.950
	1	1	1	0.975
TPS62134D	0	X	X	0.7(LPM)
	1	0	0	0.85
	1	0	1	0.90
	1	1	0	0.95
	1	1	1	1

0.85V VCCIO & 2GT/s OPI setting has been fully validated on KBL-Y RVP.
And 0.95V VCCIO & 2GT/s OPI can will also work but consume a little more power (up to 250mW)

The type and specification of the components refer to the BOM

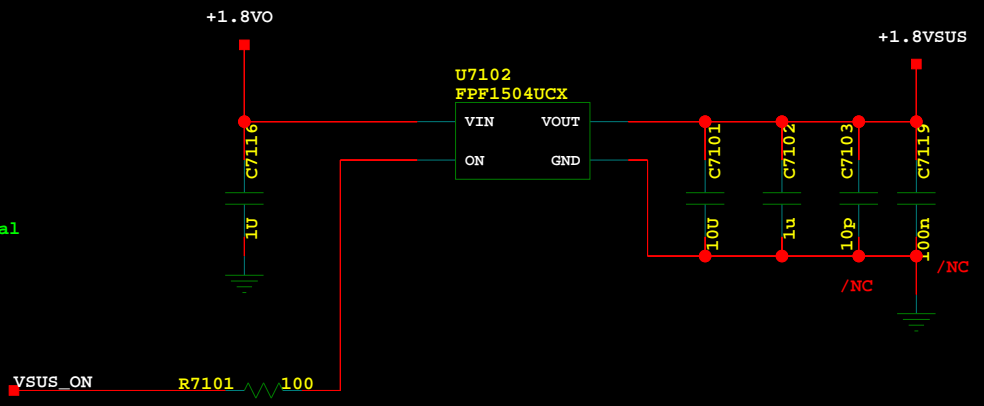
				NA	
				ECA NO	DATE
DESIGNED	LIUQINKAI 00365571	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 74 OF 74	
		A	03030001	HUAWEI TECH CO.,LTD.	

71_LOAD SWITCH_2

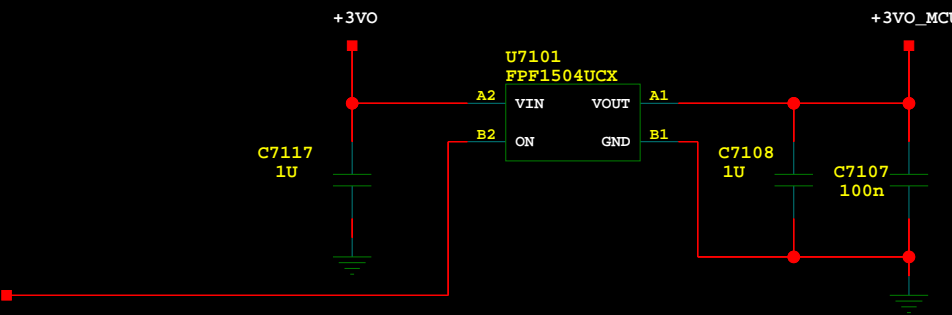


Imax:1A

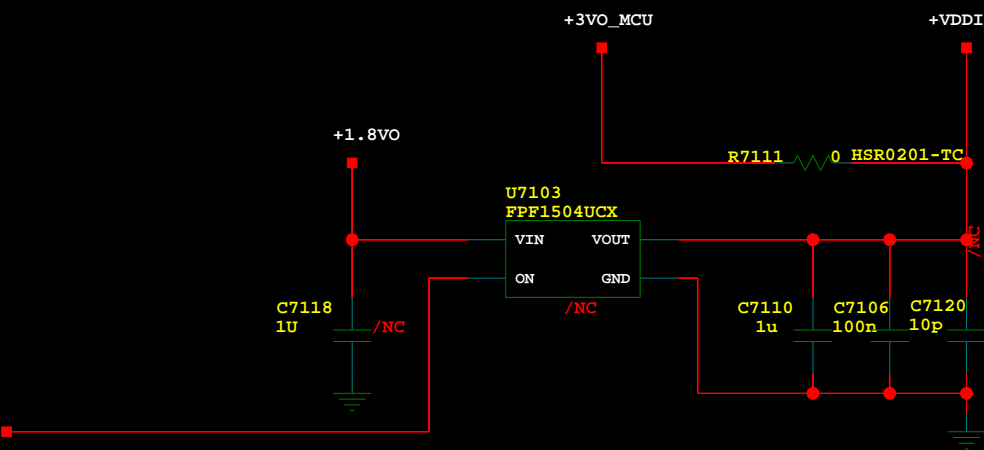
TCON
3840x2160 8bit 800mW max value by pascal



Imax:0.3A



Imax:0.2A



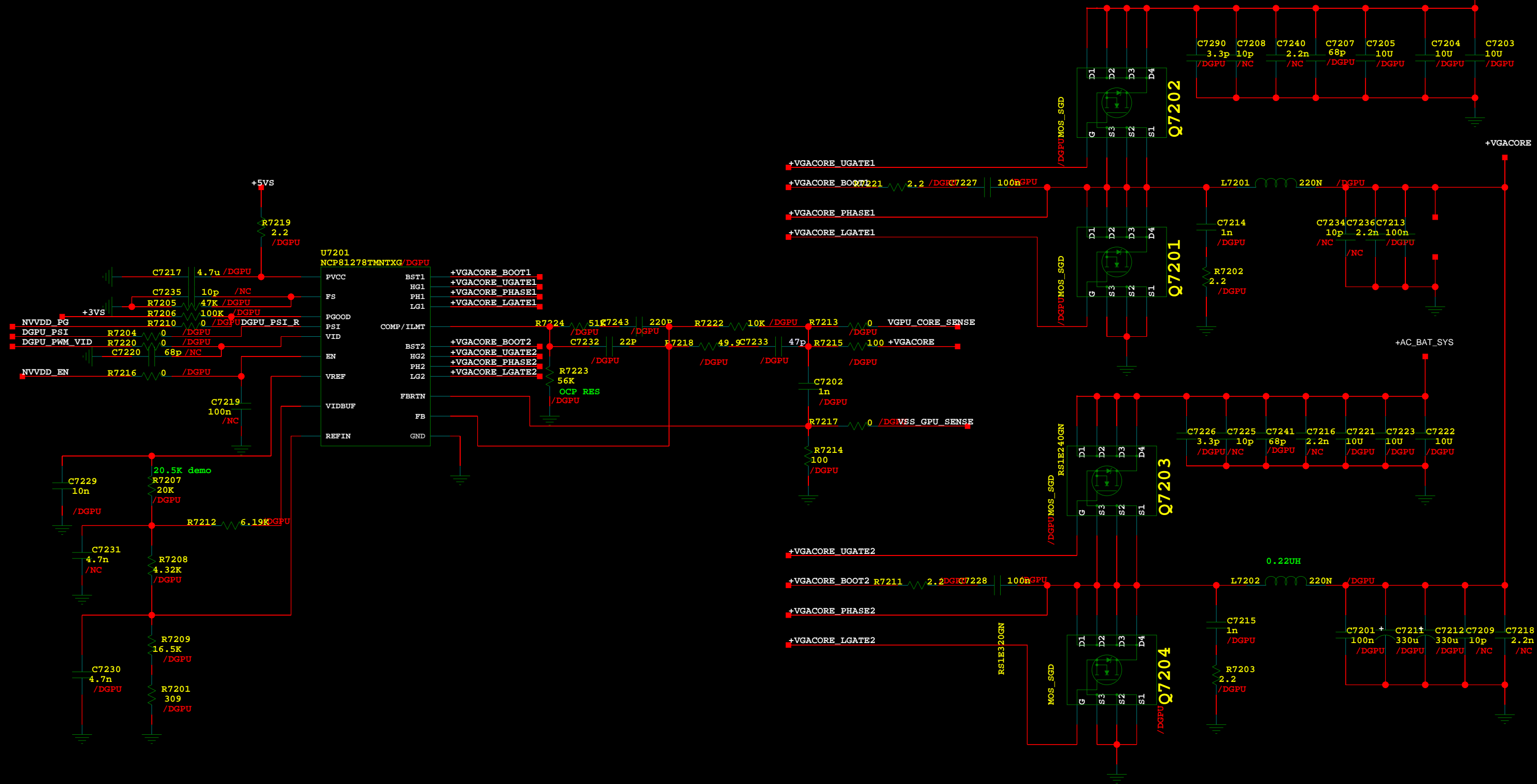
Imax:0.2A

The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	LIUQINKAI 00365571	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 76 OF 76	
		A	03030001	HUAWEI TECH CO.,LTD.	

72_GPU VGACORE

TDC : 15.4A
Peak : 48.3A
OCP : 79A
Fsw : 350KHz

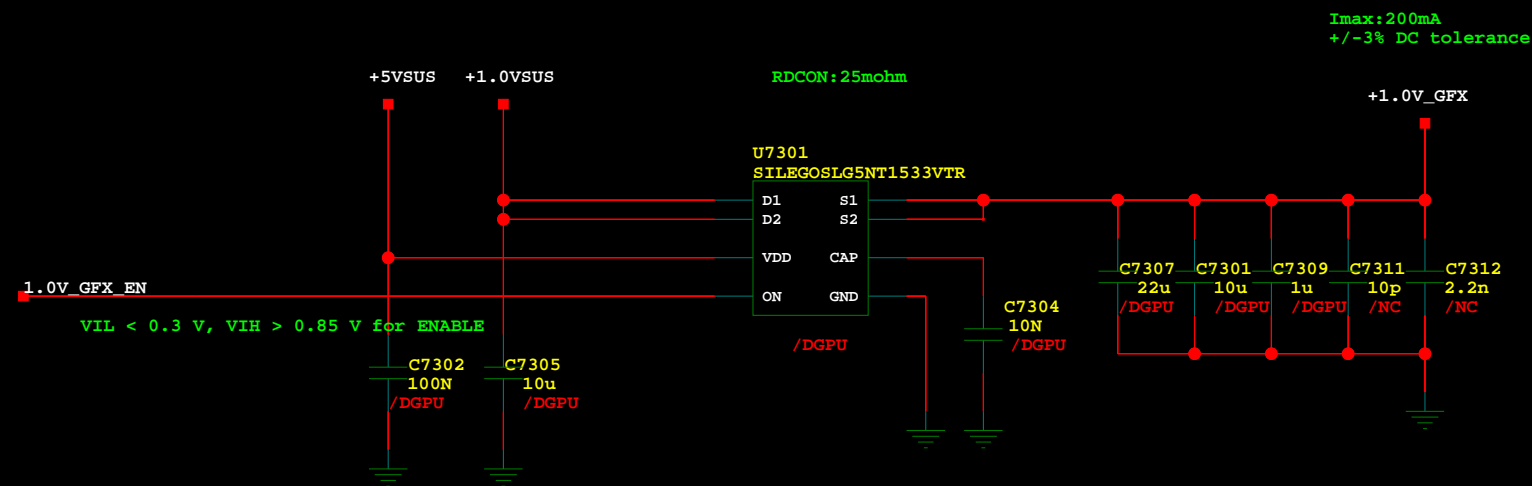


The type and specification of the components refer to the BOM

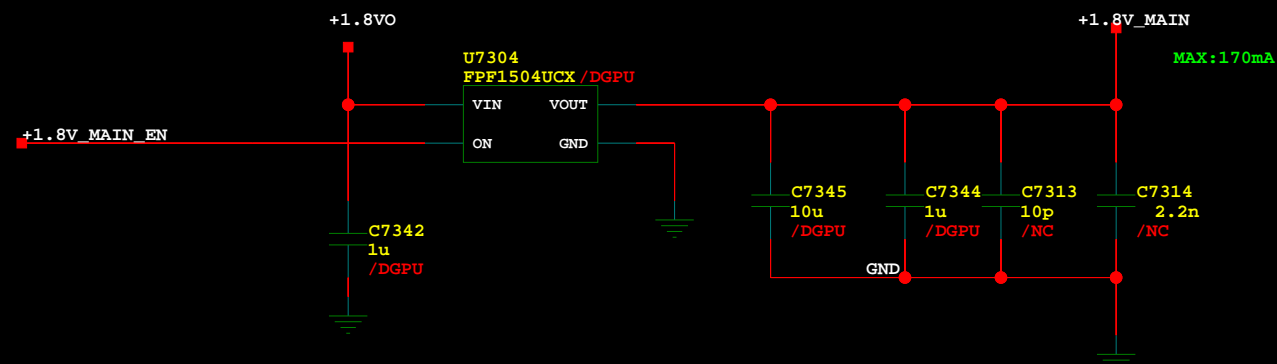
								REV	QTY	ECA NO	DATE
DESIGNED	LiuQinKai	100365571	MPC852T CBB					DKBA0303****DL			
REVIEWED	BISHUZHAN	20716									
			REV	PART NUMBER				SHEET 01 OF 07			
								HUAWEI TECH CO.,LTD			

73 GPU 1_05V/1_35V_GFX

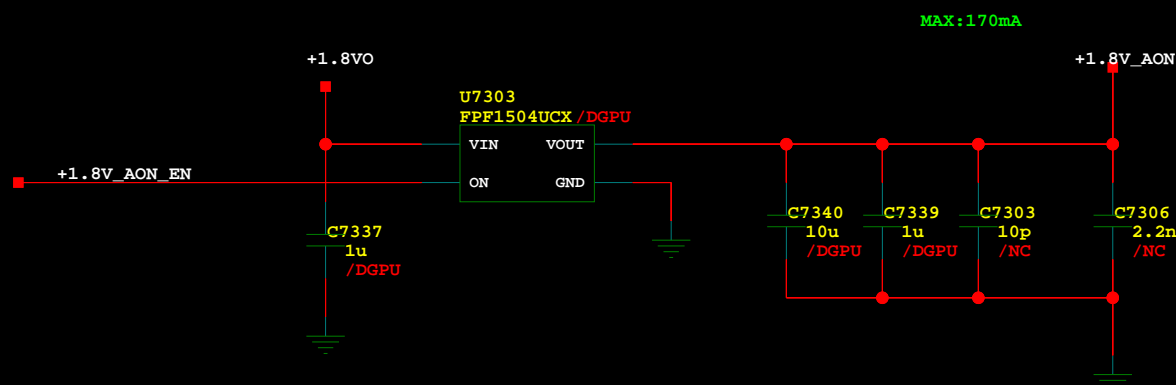
+1.0V_GFX



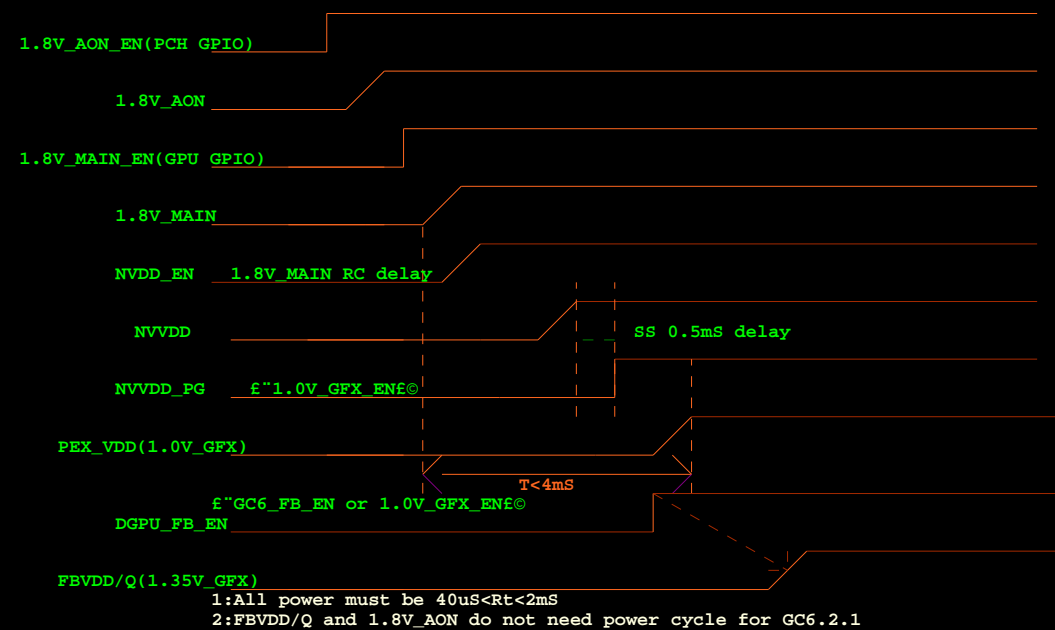
+1.8V_MAIN



+1.8V_AON



GPU Power On Sequence

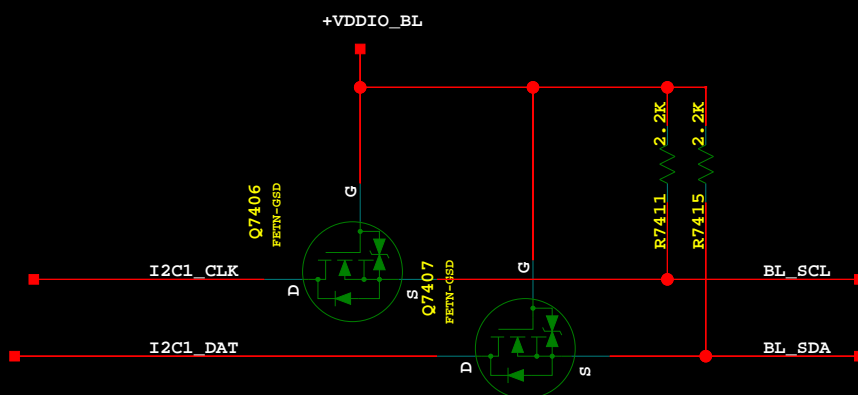


The type and specification of the components refer to the BOM

[illegible]

74.LCD_Backlight

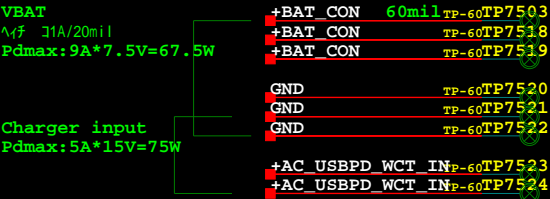
Level shift for I2C



The type and specification of the components refer to the BOM

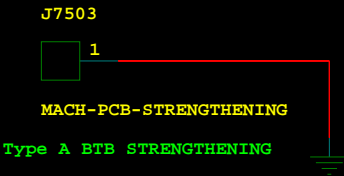
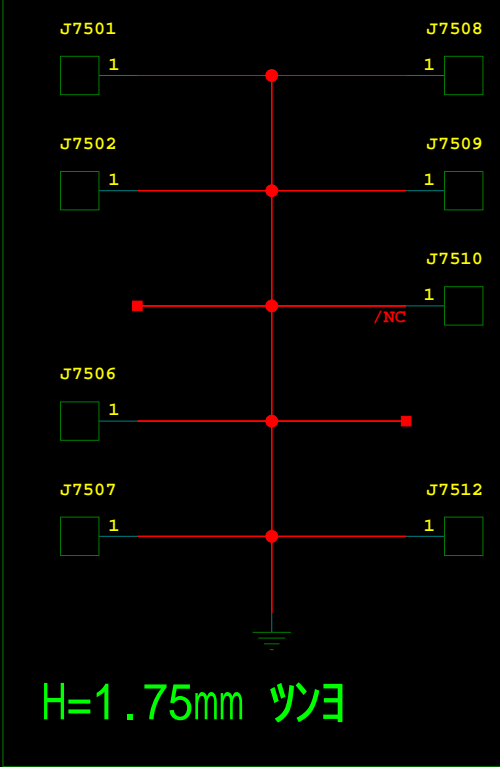
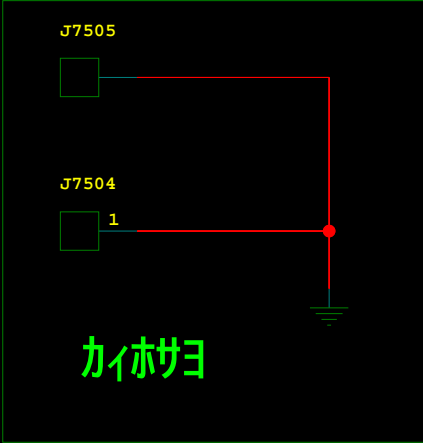
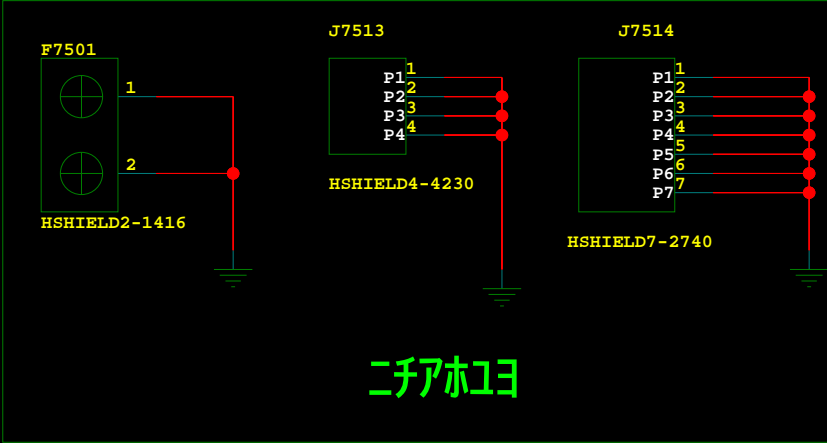
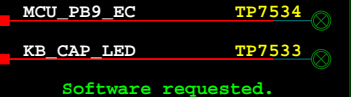
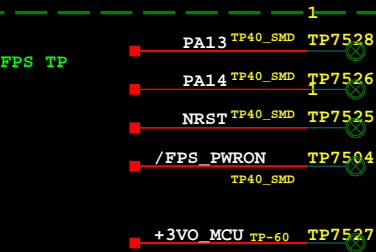
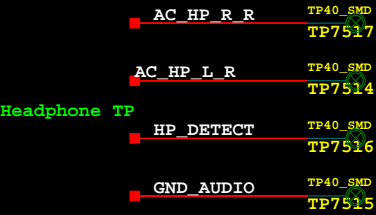
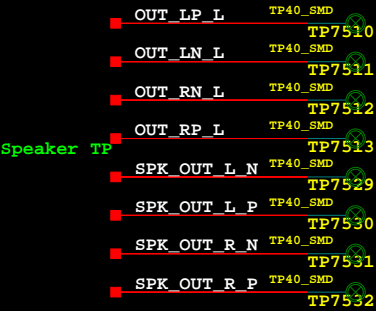
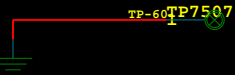
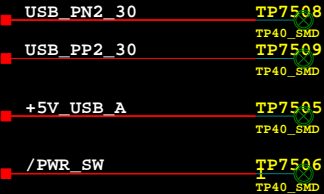
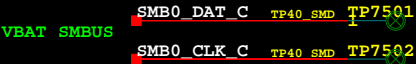
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				ECA NO	DATE
DESIGNED	LiuQinKai 100365571	SHOWATTM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET	49 OF 49
		A	03030001	HUAWEI TECH CO.,LTD.	

75_TEST_POINT_SHIELDING



ラ-阿克イ築ヤオ

1:Power type select 60mil Test poiont
2:Signal type use 40mil test poiont



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	Schematic1		00001234	
REVIEWED	LISI XXXXX			75_TEST_POINT_SHIELDING	
		VER	PART_NUMBER	SHEET	OF 75
		A	03030001	HUAWEI TECH CO.,LTD.	