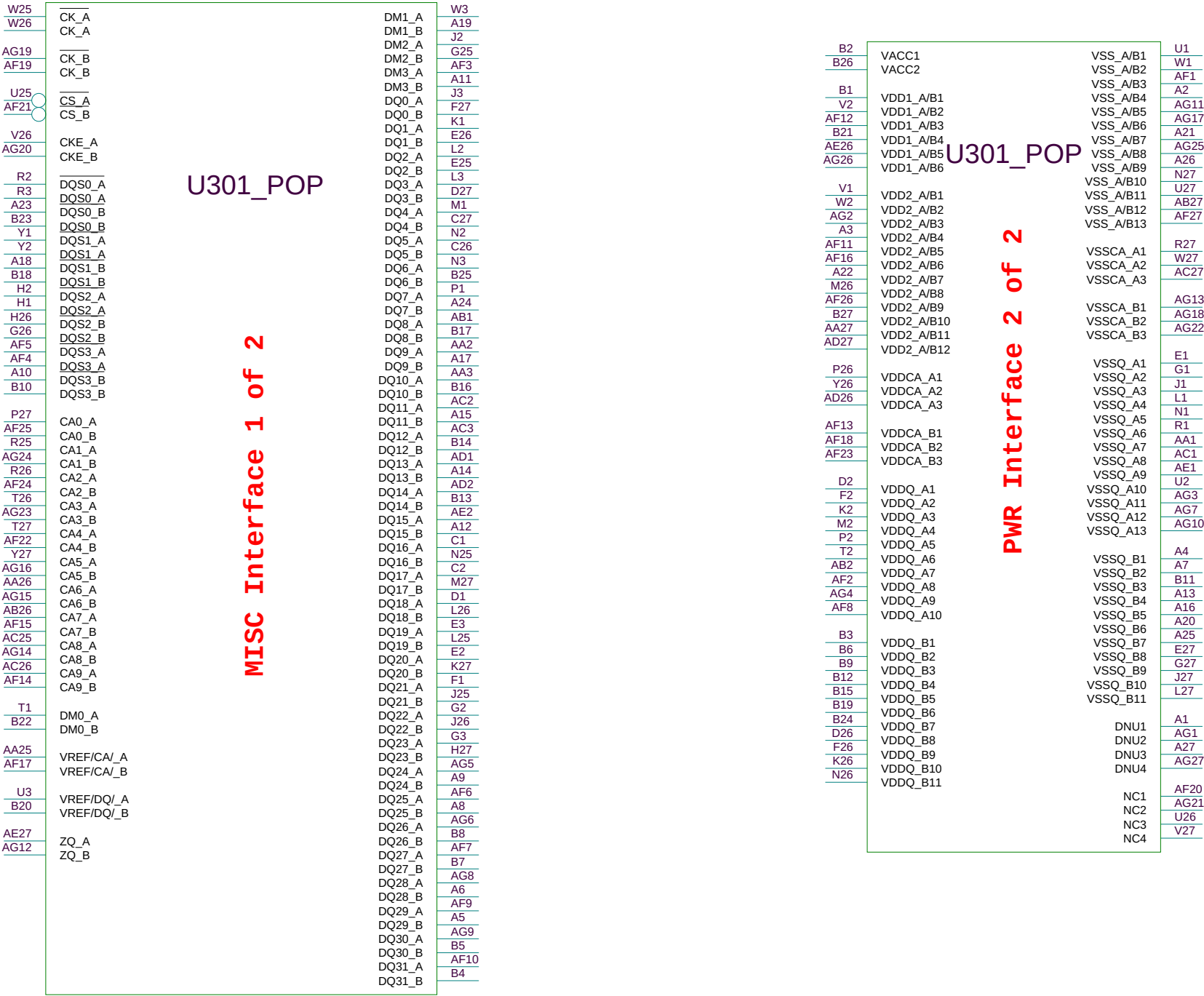
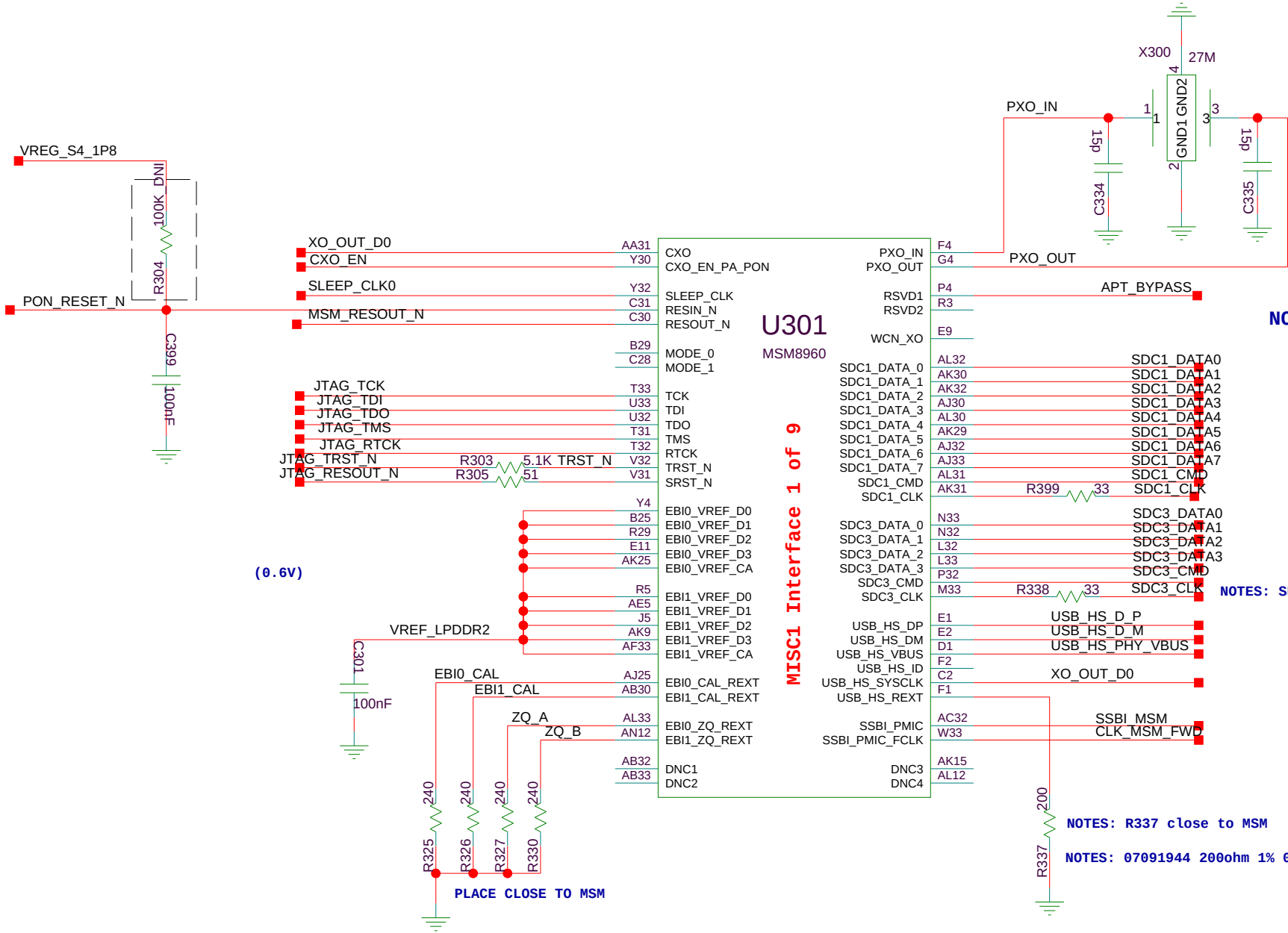


	1	2	3	4	5	6
A	BB SCHEMETIC			RF SCHEMETIC		
	1. CONTENTS		26. USB INTERFACE SWITCH	30. RF/BB		
	2.LPDDR2		27. Battery & MicroUSB	31.		
	3. MSM8960 CONTROL		28. MHL	32. PRIMARY ATTENA SWTICH		
	4. MSM8960 GPIO(0-74)		29. Felica BB	33. PA_PMU		
	5. MSM8960 GPIO(75-149)		49. ISDB-T/Tmm BB	34. Multi Mode Multi Band PA		
	6. MSM8960 POWER1		52. BCM4330 BB	35. B9 TX & DUPLEXER		
	7. MSM8960 POWER2			36. B21 TX & DUPLEXER		
	8. MSM8960 MIPI & HDMI			37. B6&B19 TX & DUPLEXER		
	9. MSM8960 GND			38. B8 TX & DUPLEXER		
B	10. JTAG & TESTPOINT			39. B17 TX & DUPLEXER		
	11. PM8921 CHARGING			40. GSM		
	12. PM8921 VREG1			41. RTR8601		
	13. PM8921 VREG2			42. RTR2		
	14. PM8921 MPP_AMUX_CLKS			43. DRX1		
	15. PM8921 GPIO & GND			44. DRX2		
	16. eMMC			45. BT/WLAN		
	17. codec WCD9310			46. GLONASS FRONT END		
	18. Audio Circuits			47. Felica RF		
	19. HEADPHONE			48. VCTCXO		
C	20. CONNECTOR for TP & P/K			50.ISDB-T/Tmm RF PART		
	21. LCD interface			51.		
	22. CAMERA					
	23. SENSOR					
	24. SIM & TF CARD & CPRM					
	25. Flash Driver & BOOST					
D	The type and specification of the components refer to the BOM					
					1386390	2012-08-24
					ECA NO	DATE
	DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
	REVIEWED	JISHIFU 56304				
			VER	PART_NUMBER	SHEET 1 OF 52	
			B	03021RNJ	HUAWEI TECH CO.,LTD.	
	1	2	3	4	5	6

2. LPDDR2



3.MSM8960 control



NOTE: GPIO_150/151 used as on-board HSIC circuits for ES2

NOTES: SDC3_CLK 100MHz, R338 close to MSM within 5mm

NOTES: R337 close to MSM

NOTES: 07091944 200ohm 1% 0402

The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 3 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

4.MSM8960 GPIO(0-74)



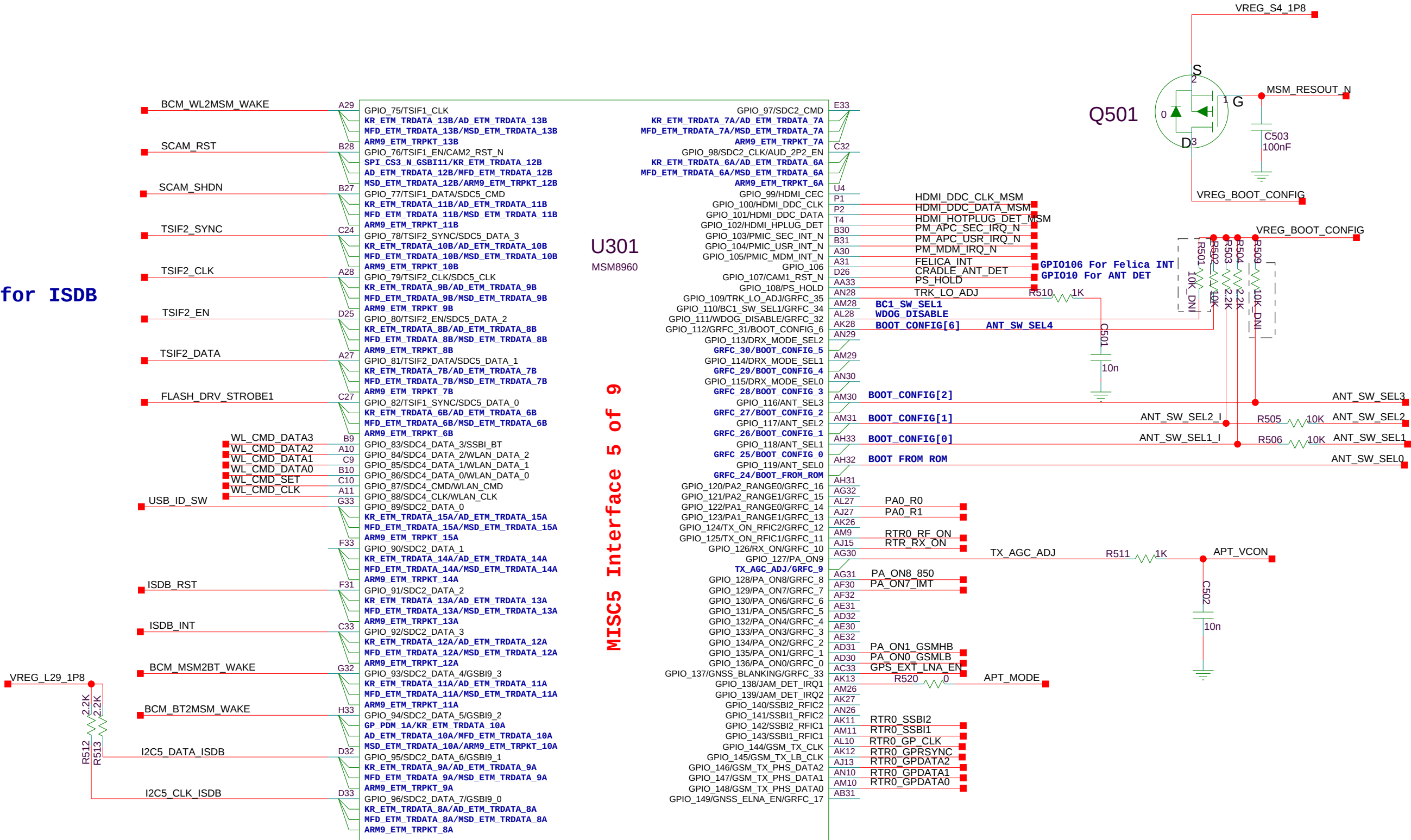
MISC4 Interface 4 of 9

The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 4 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

5.MSM8960 GPIO(75-149)

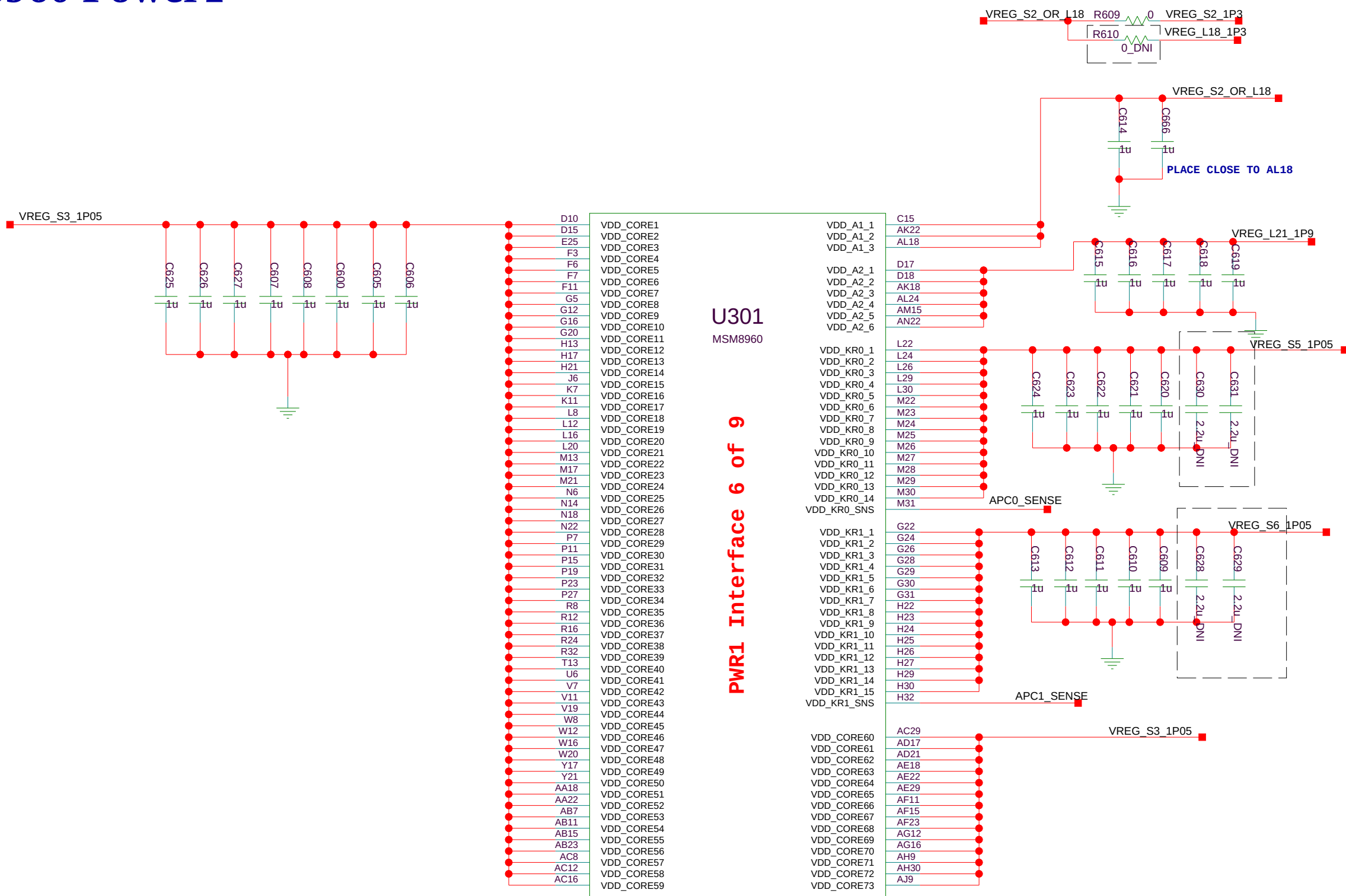
TSIF for ISDB



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 5 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

6. MSM8960 Power1

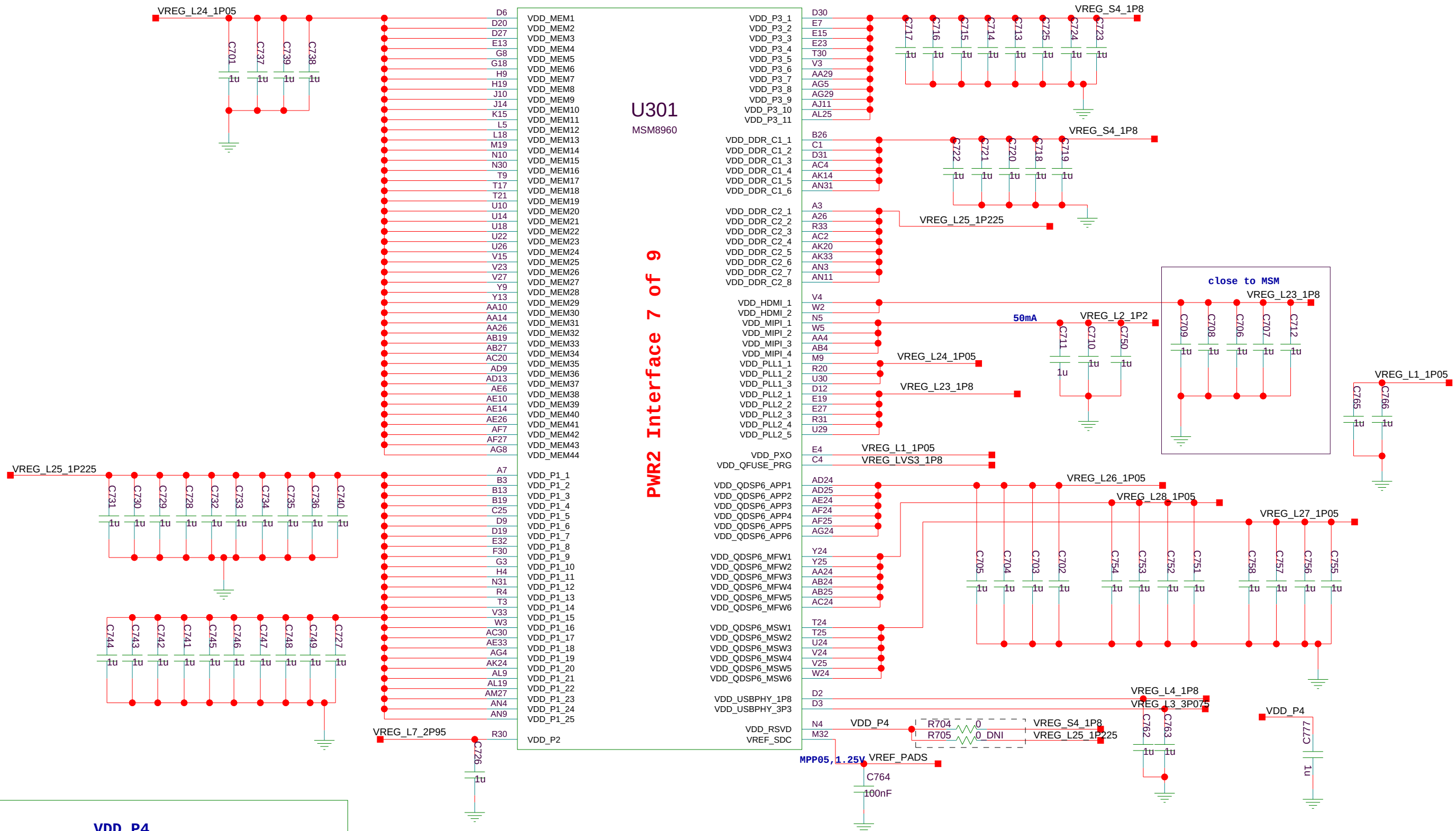


PWR1 Interface 6 of 9

The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 6 OF 52	
		B	03021RNJ	HUAWAI TECH CO.,LTD.	

7. MSM8960 Power2



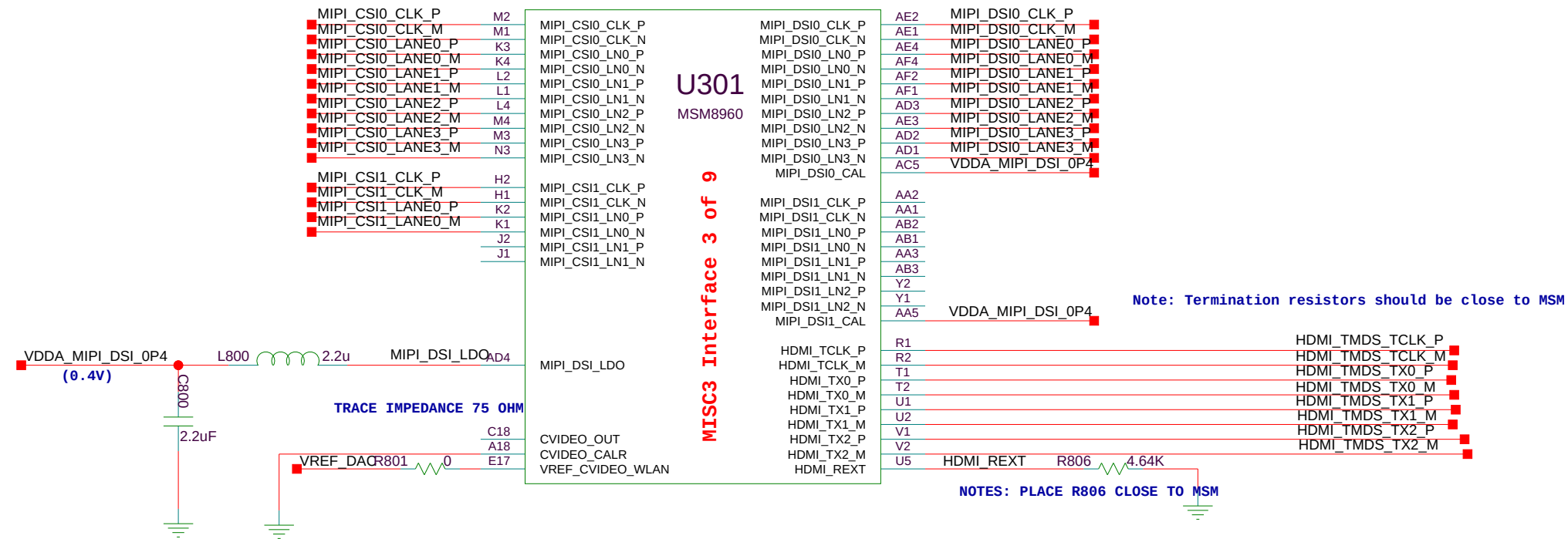
The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	7 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

VDD_P4	
ES1	TIE TO VREG_L1_1P05
ES2 OR LATER	TIE TO VREG_S4_1P8 IF P4 PINS ARE USE AS GPIO
ES2 OR LATER	TIE TO VREG_L25_1P225 IF P4 PINS ARE USE AS HSIC INTERFACE

8. MSM8960 MIPI & HDMI

MIPI Traces are 100-Ohm diff pair; 50-Ohm single-ended; for CSI and DSI



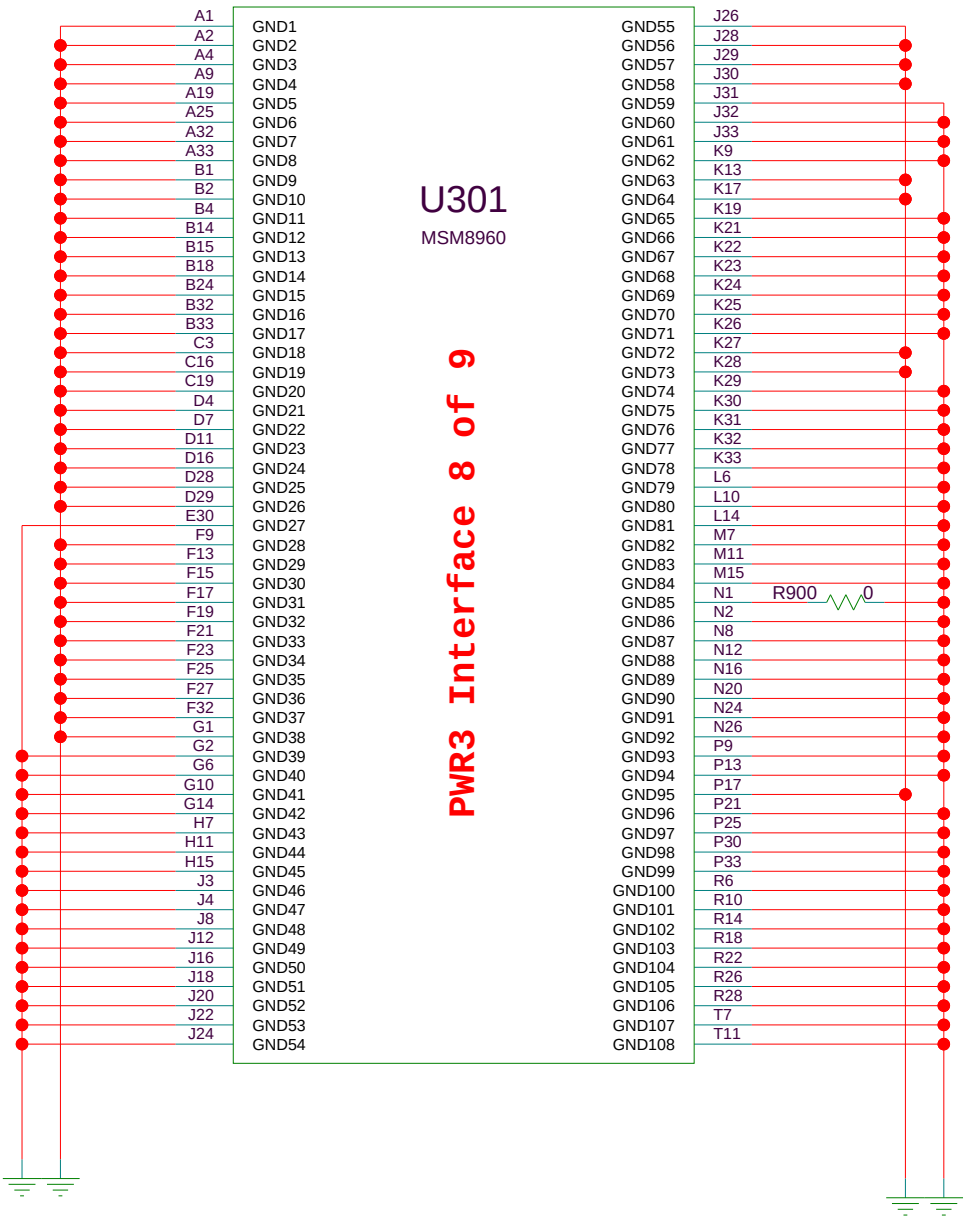
NOTE: If TV_OUT not implemented:

- 1) CVIDEO_OUT (C18): NC
- 2) CVIDEO_CALR (A18): GND
- 3) VREF_CVIDEO_WLAN (E17): VREF_DAC

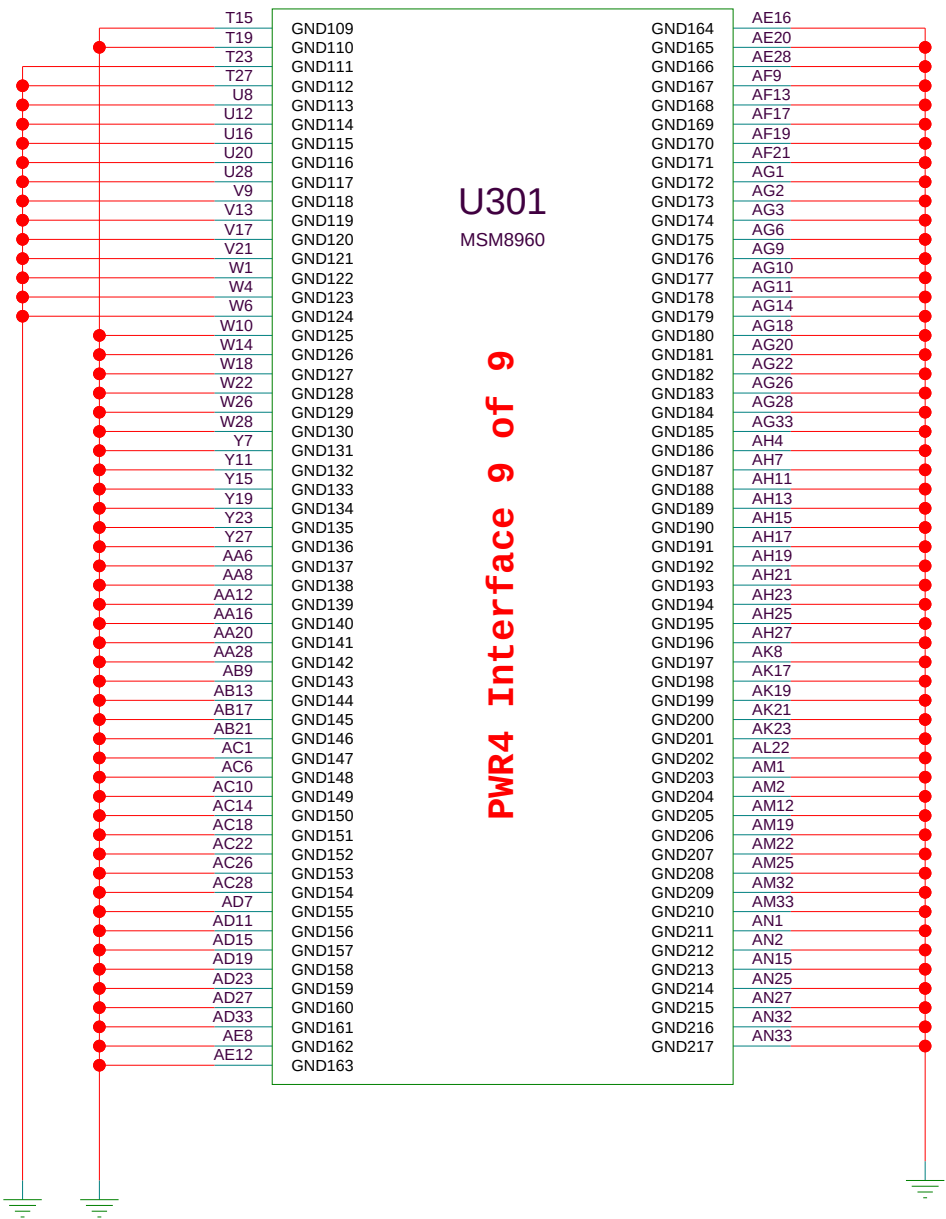
The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	8 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

9. MSM8960 GND



NOTE: pin N1 name to HSIC_CAL
NOTE:HSIC_CAL PIN FOR ES2 AND LATER
INSTALL 240 OHM 1% RESISTOR FOR HSIC
SHORT TO GND OTHERWISE

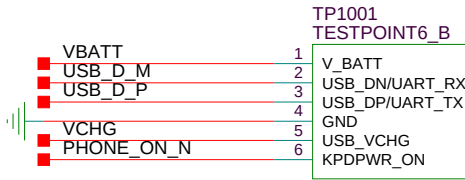


The type and specification of the components refer to the BOM

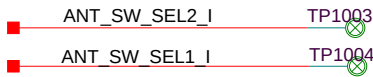
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				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 9 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

10.JTAG & TESTPOINT

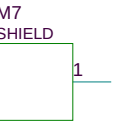
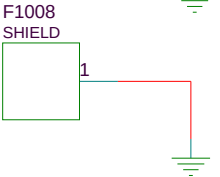
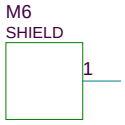
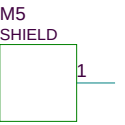
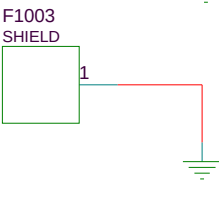
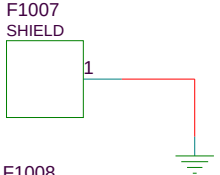
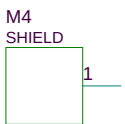
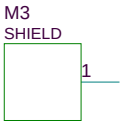
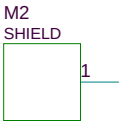
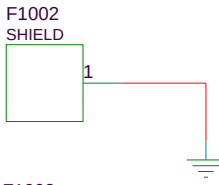
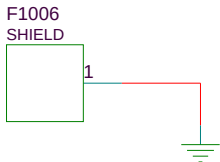
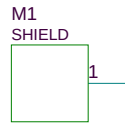
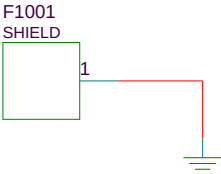
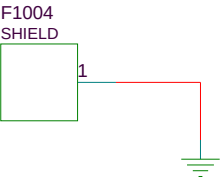
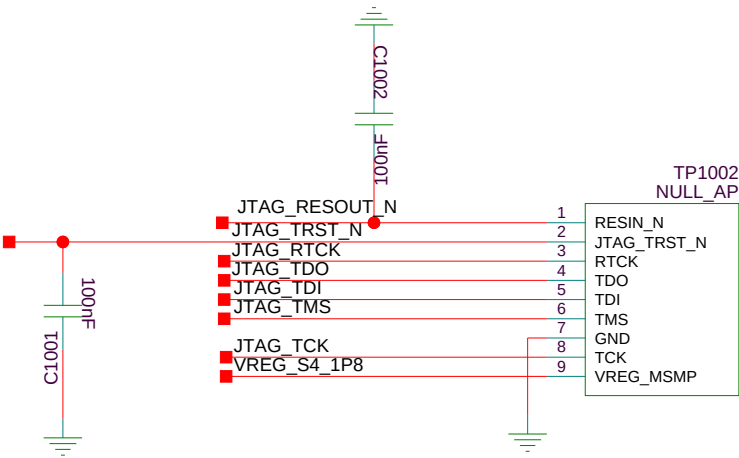
TEST POINT for CT and BT



Emergency Download



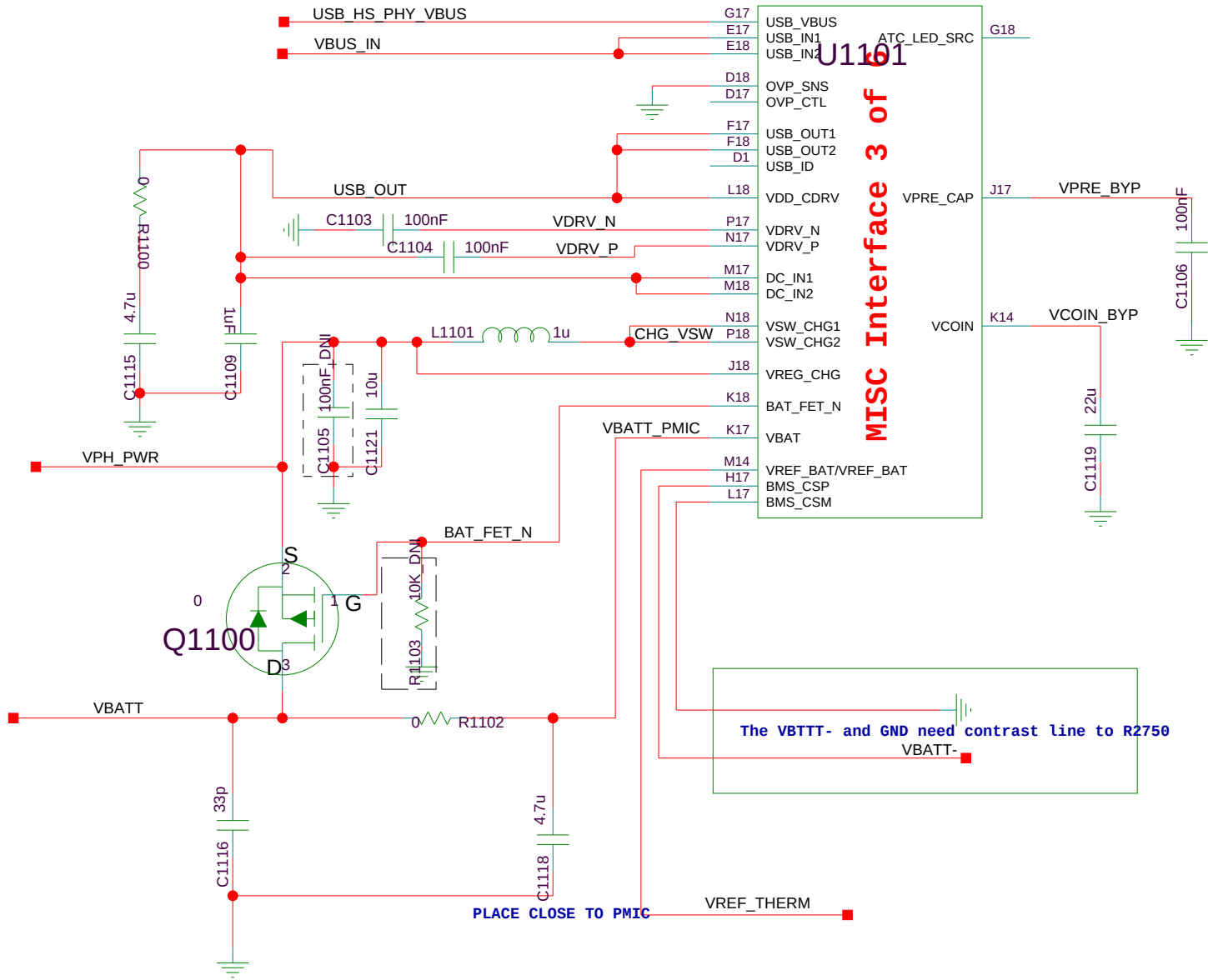
TEST POINT For JTAG



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 10 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

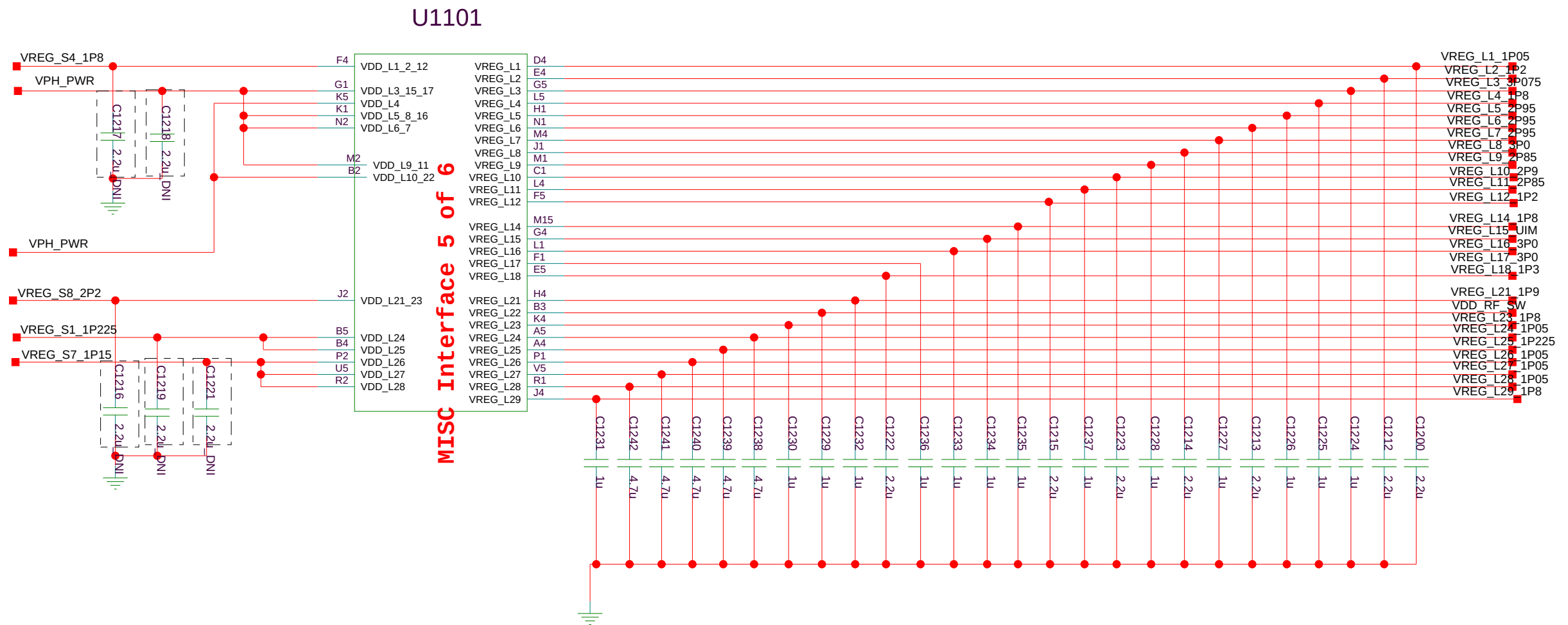
11. PM8921 CHARGING



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 11 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

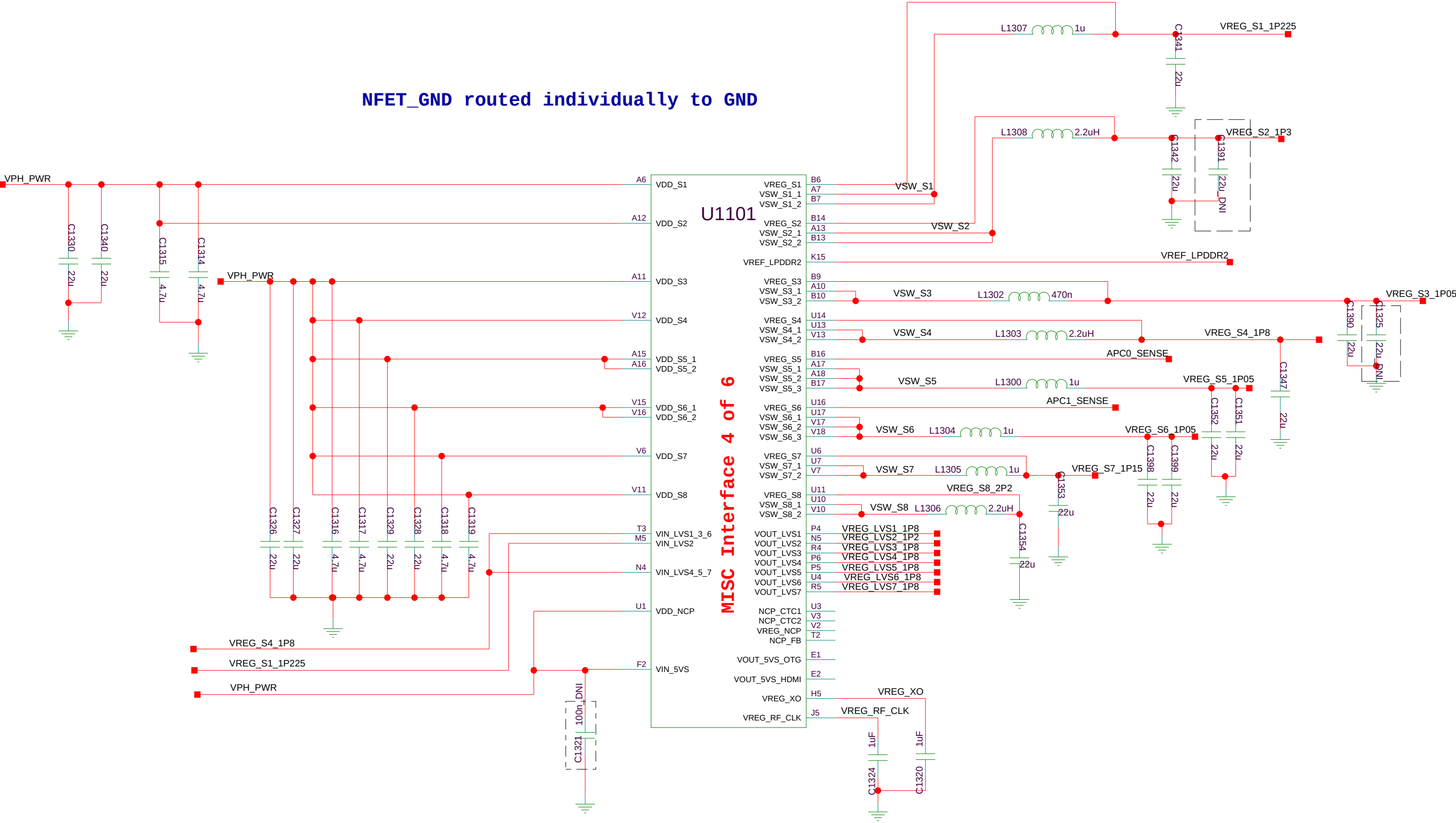
12. PM8921 VREG1



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	12 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

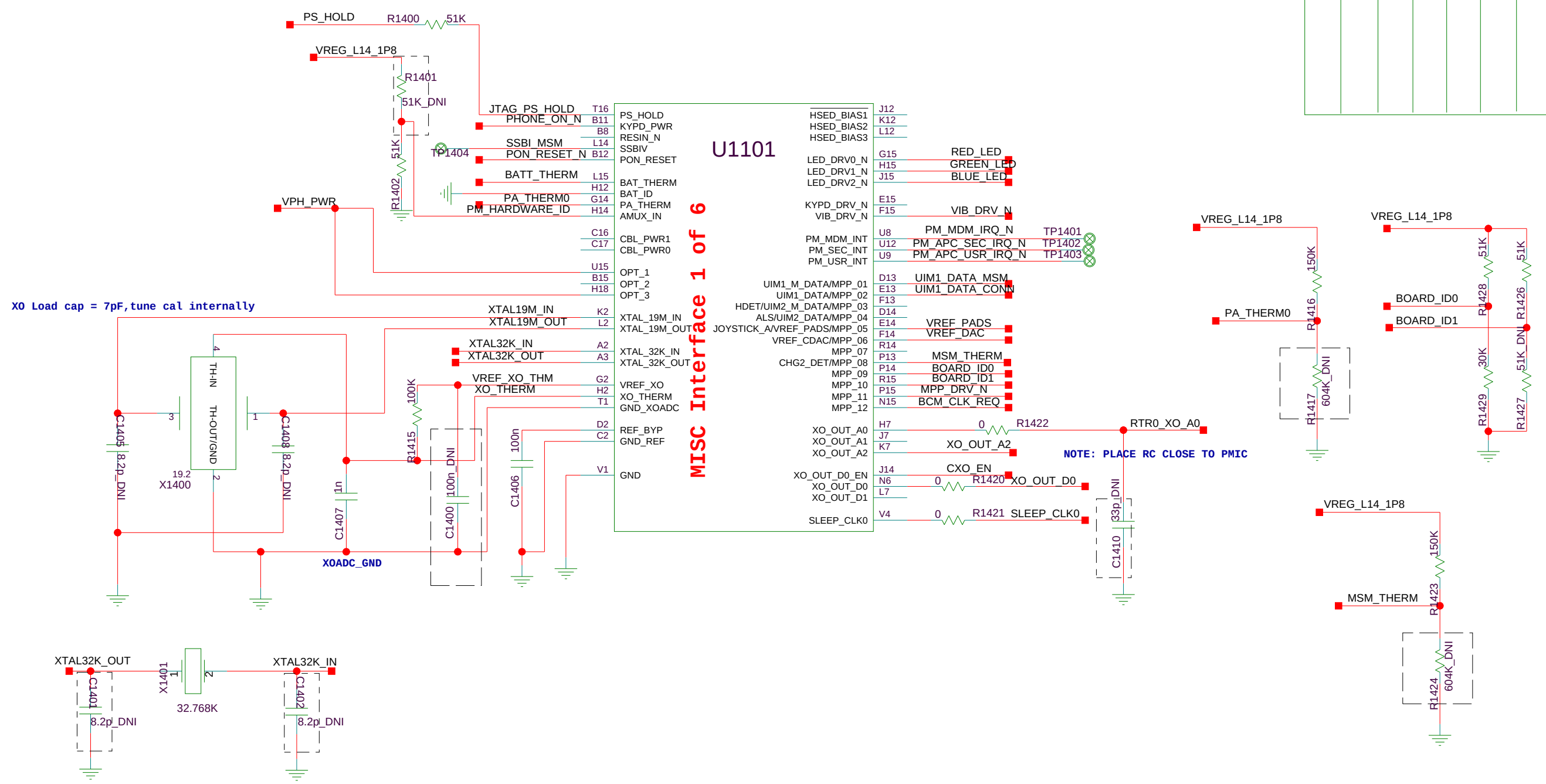
13. PM8921 VREG2



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 13 OF 52	
		B	03021RNJ	HUAWAI TECH CO.,LTD.	

14. PM8921 MPP_AMUX_CLKS

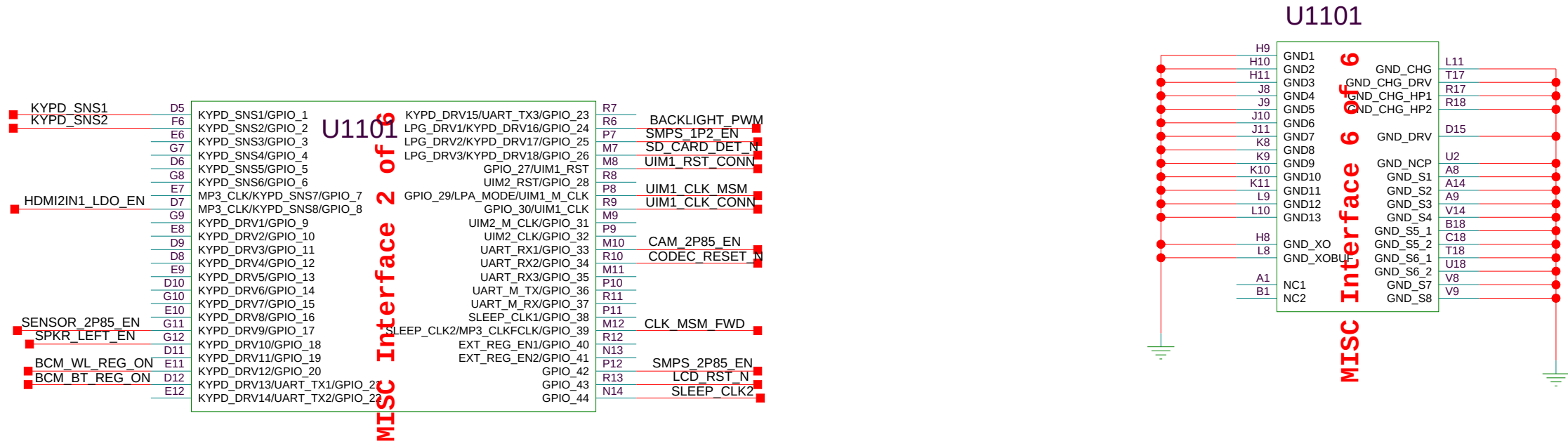


REV	ID1	ID0	R1426	R1427	R1428	R1429
T0	8	0	51K	DNI	DNI	51K
M2T						

The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	14 OF 52
		B	03021RNJ	HUAWAI TECH CO.,LTD.	

15. PM8921 GPIO & GND



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 15 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

D

17.codec WCD9310

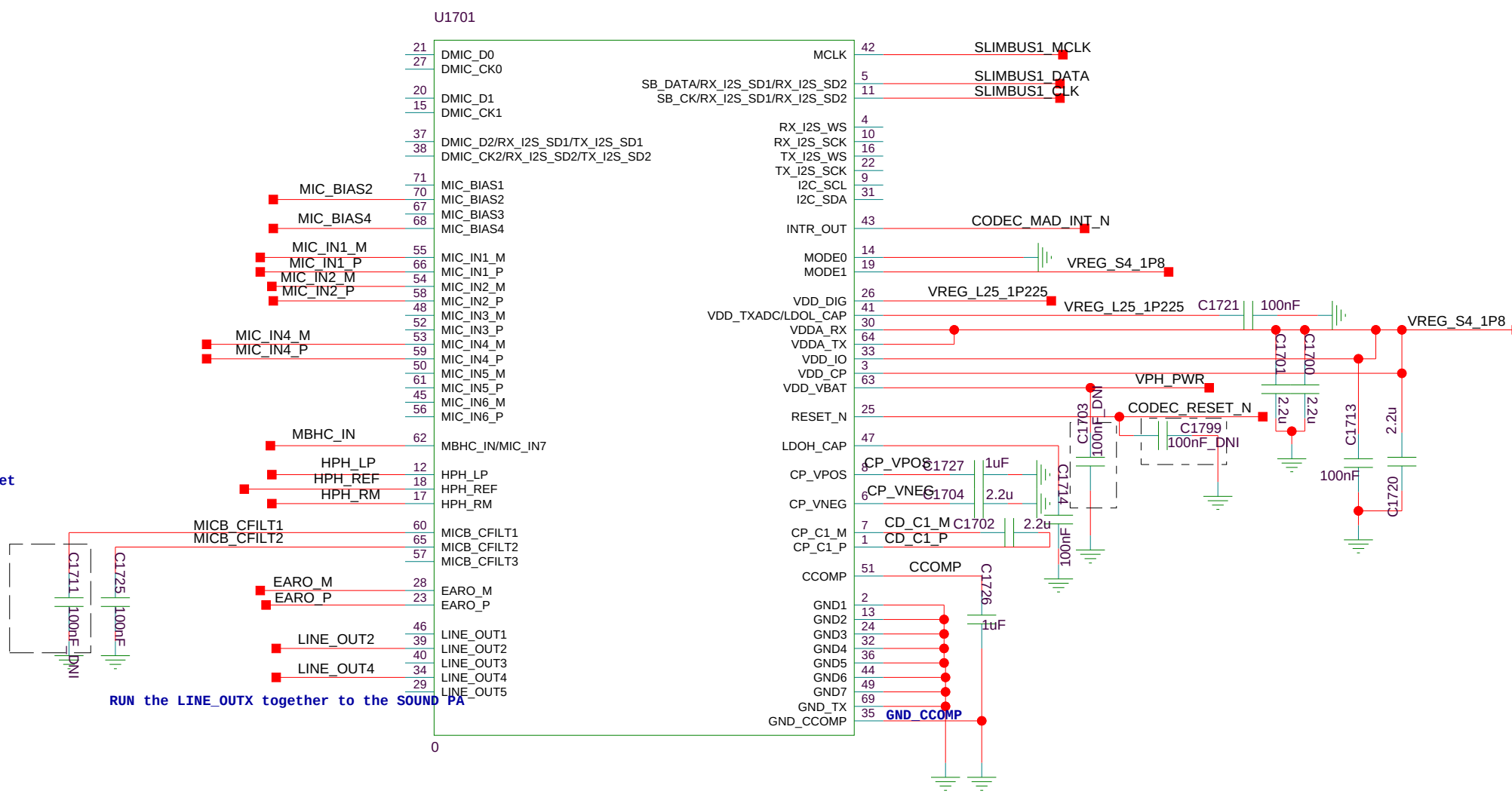
A

A

B

B

RUN the HPH_LP HPH_REF HPH_RM together to the headset connect to GND of headset

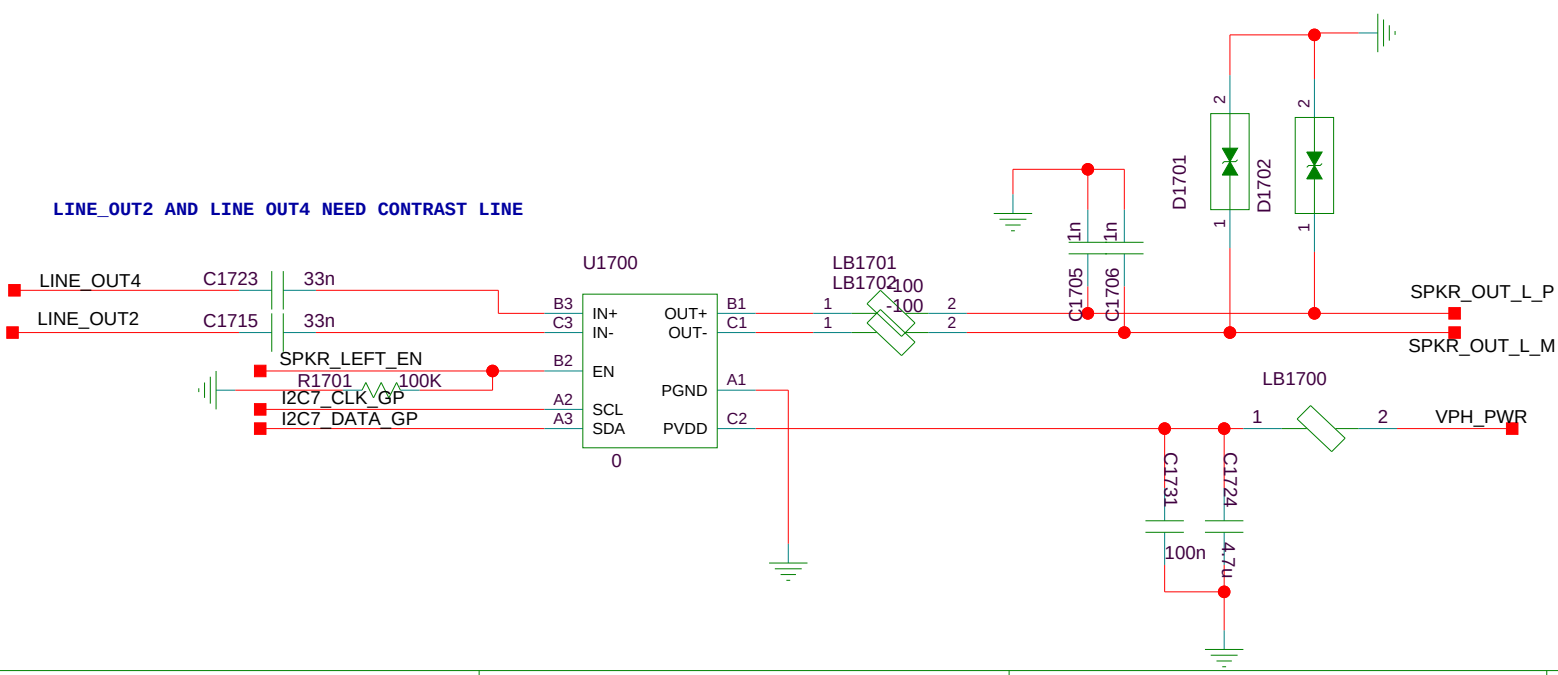


RUN the LINE_OUTX together to the SOUND PA

C

C

LINE_OUT2 AND LINE OUT4 NEED CONTRAST LINE



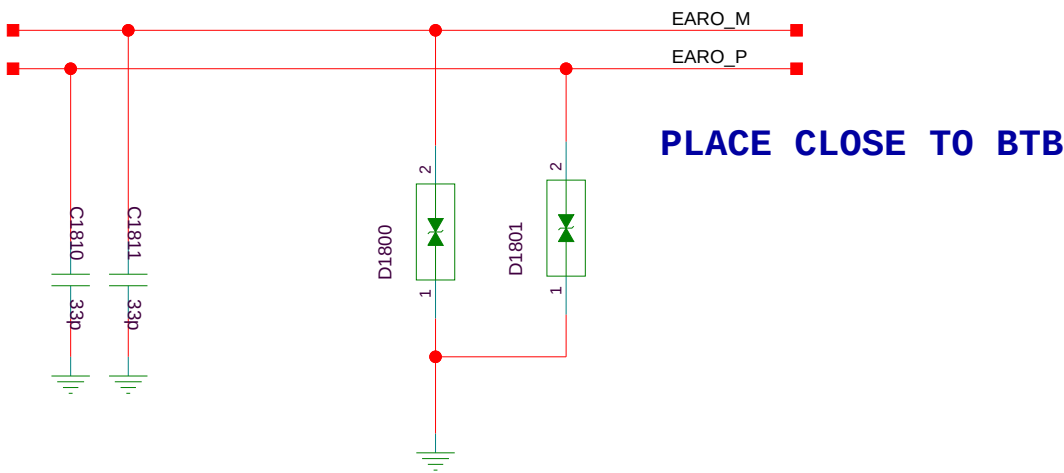
The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304			17	
		VER	PART_NUMBER	SHEET 17 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

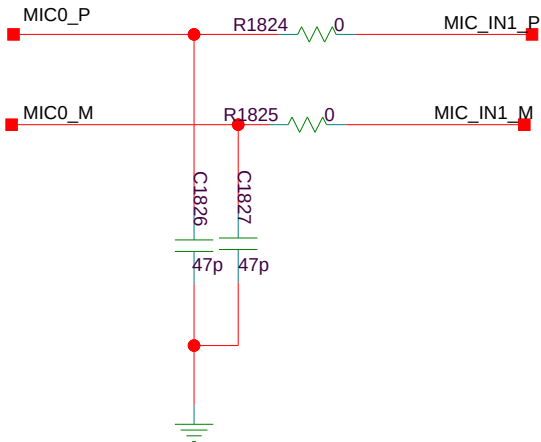
D

18.Audio Circuits

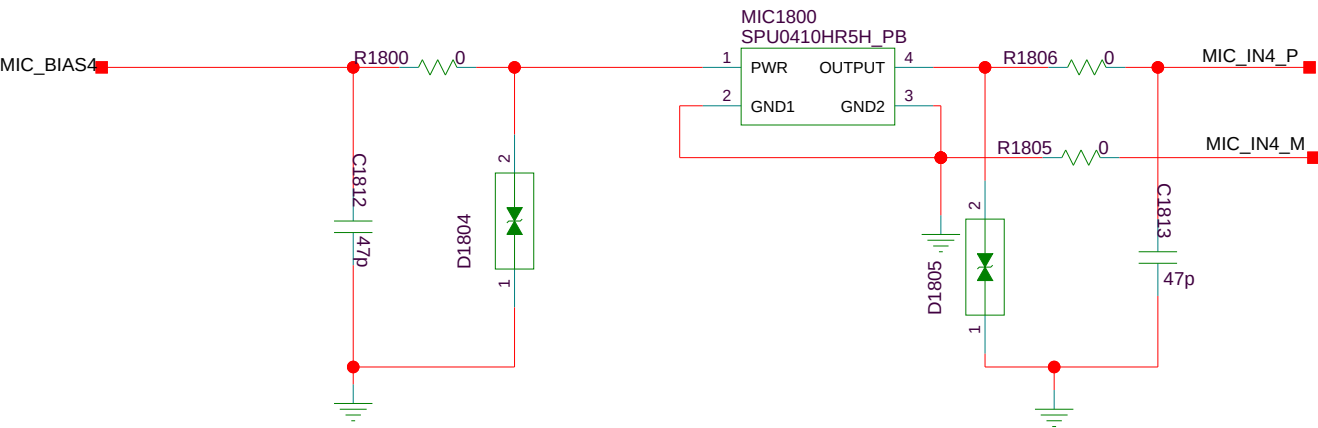
RECEIVER



Primarily Handset MEMS MICROPHONE



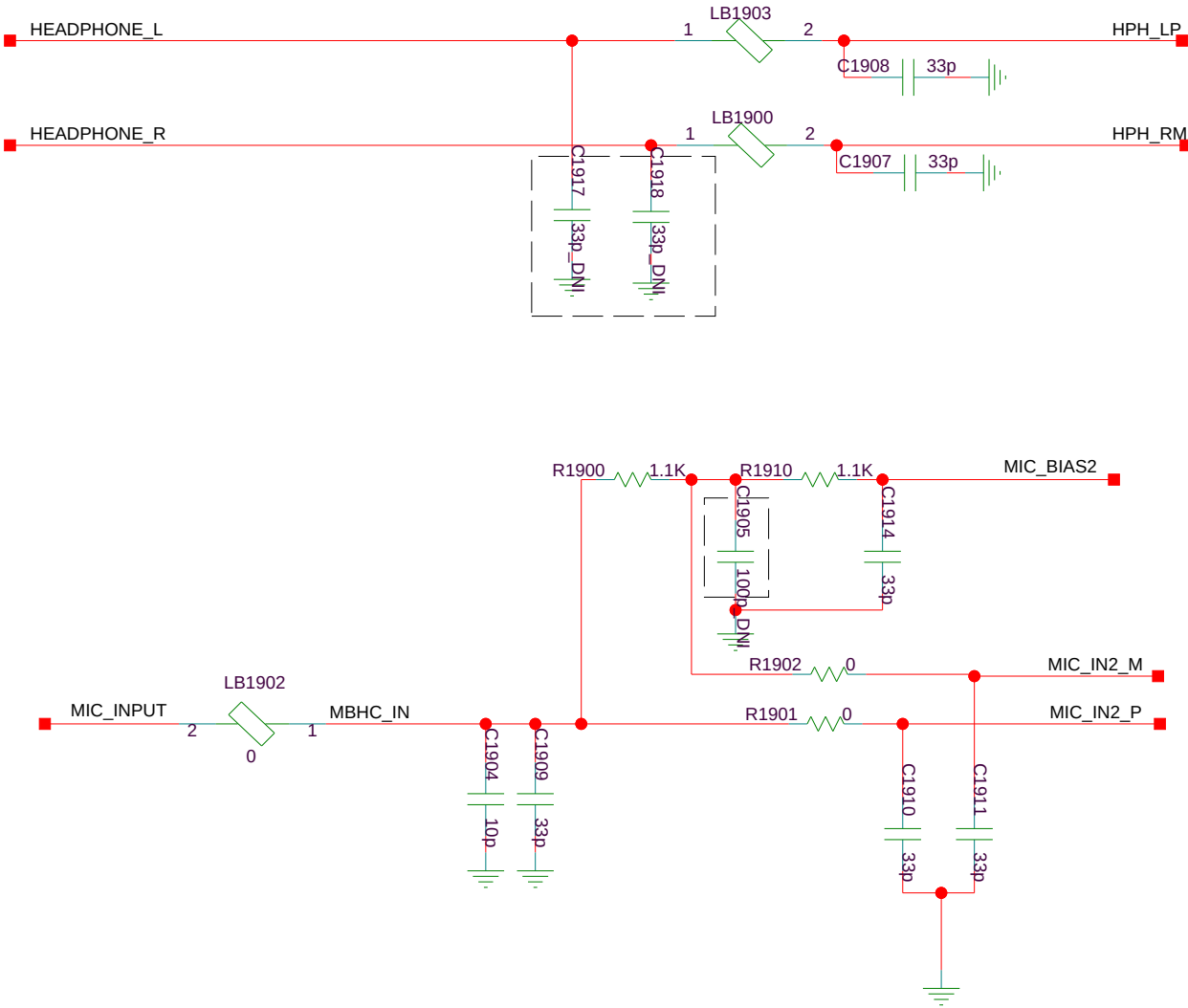
Second Handset MIC for noise suppression



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 18 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

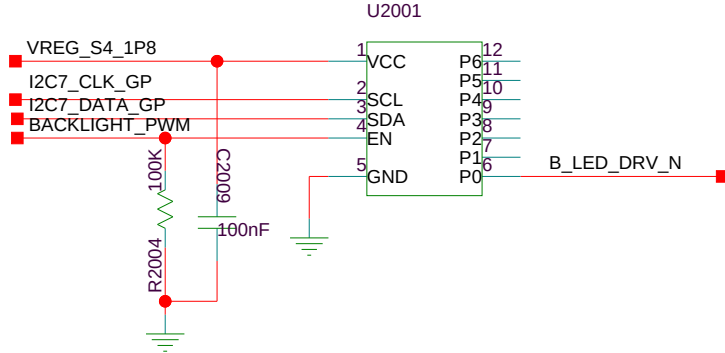
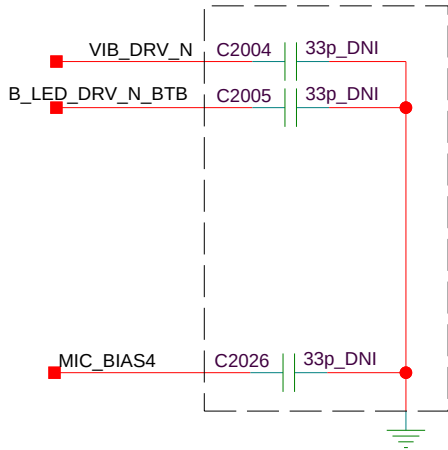
19.HEADPHONE



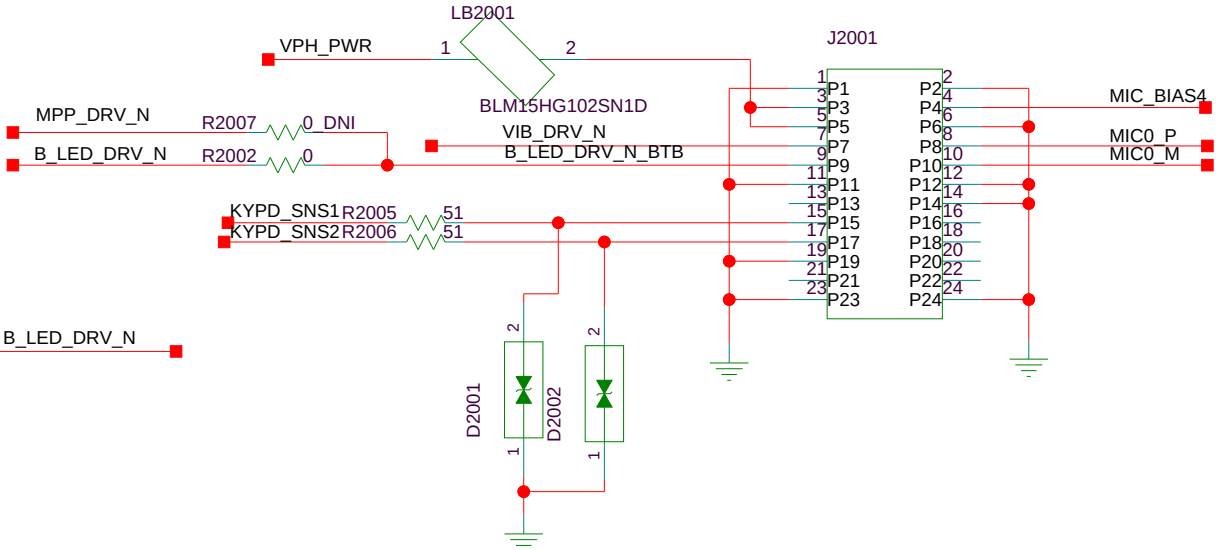
The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	19 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

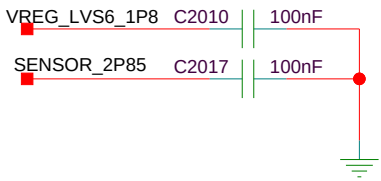
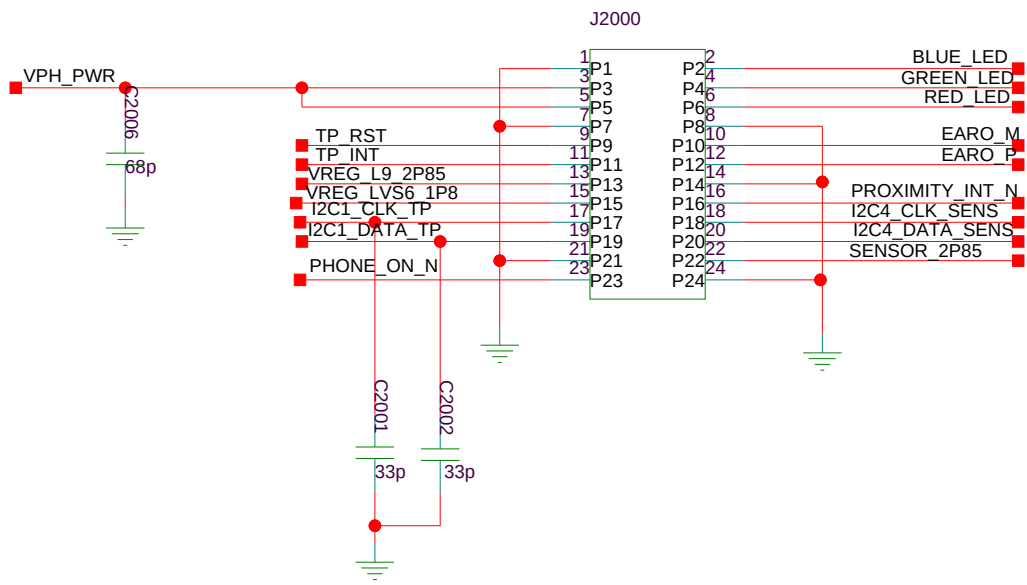
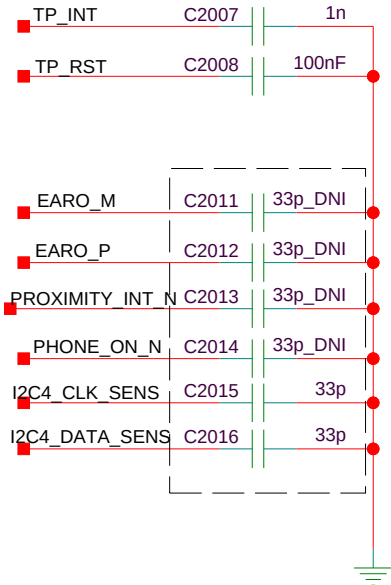
20.CONNECTOR for TP P/K



U9501LK 24 PIN BTB TO MIC/MOTOR/SIDE KEYPAD



U9501LP BTB TO POWER/RCV/ALS/TP/THREE-COLOR LIGHT

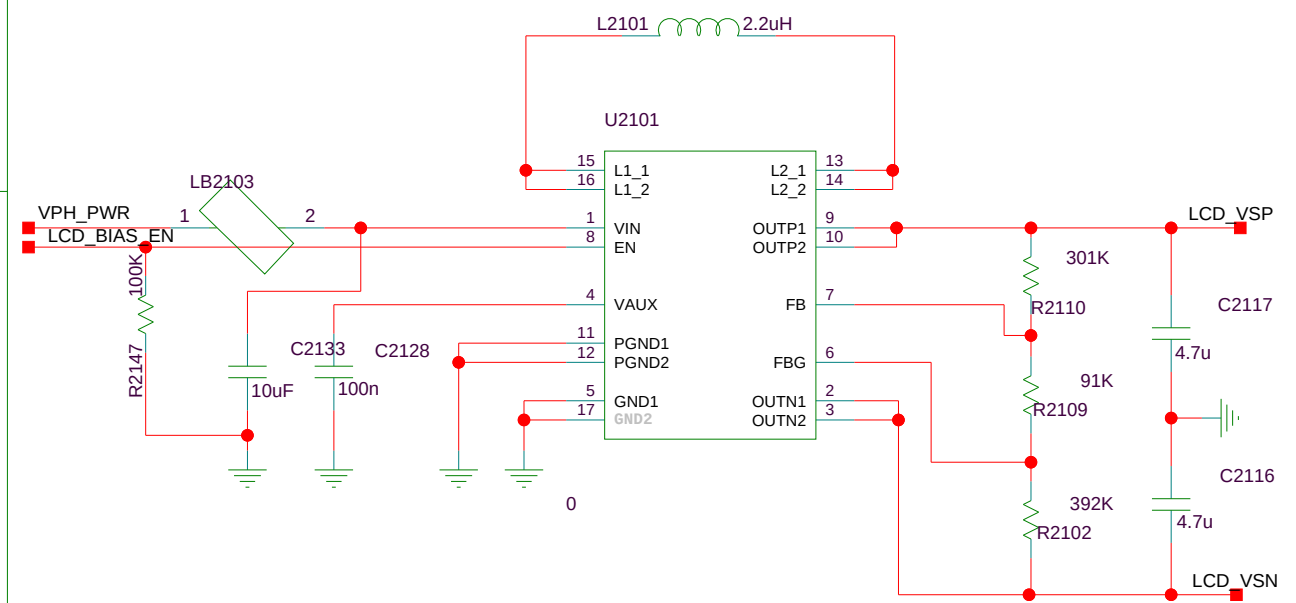


The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 20 OF 52	
		B	03021RNJ	HUAWAI TECH CO.,LTD.	

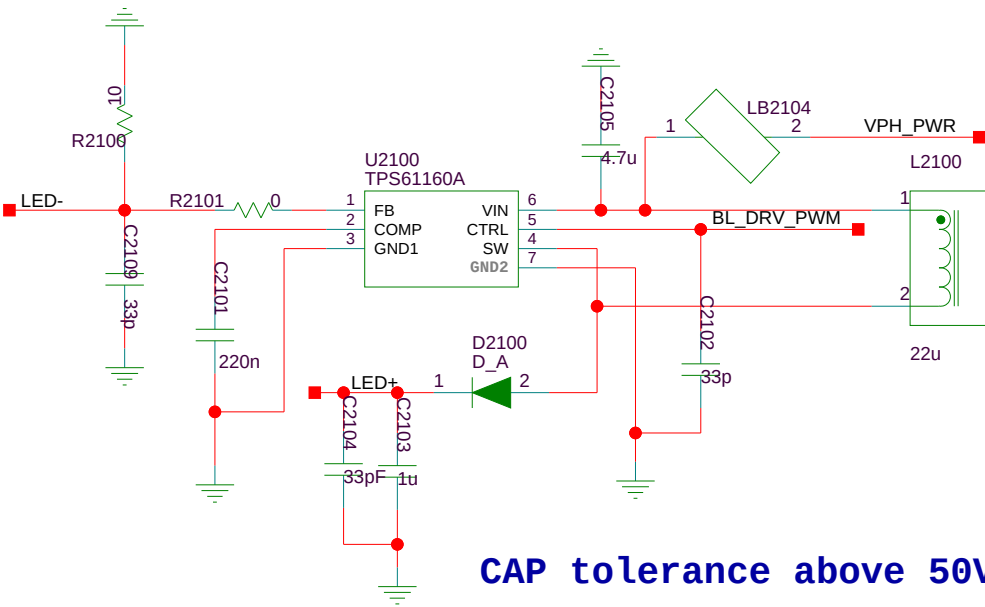
21. LCD interface

LCD POS/NEG Voltage Driver



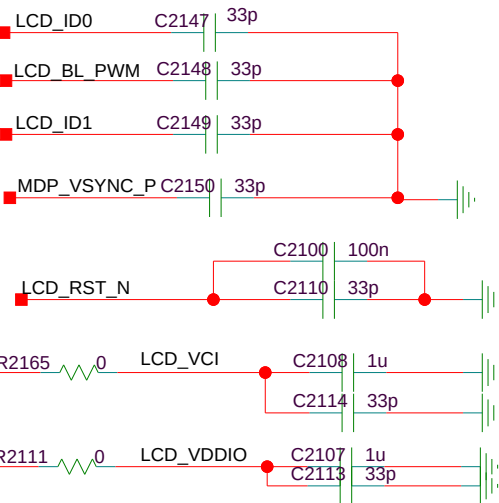
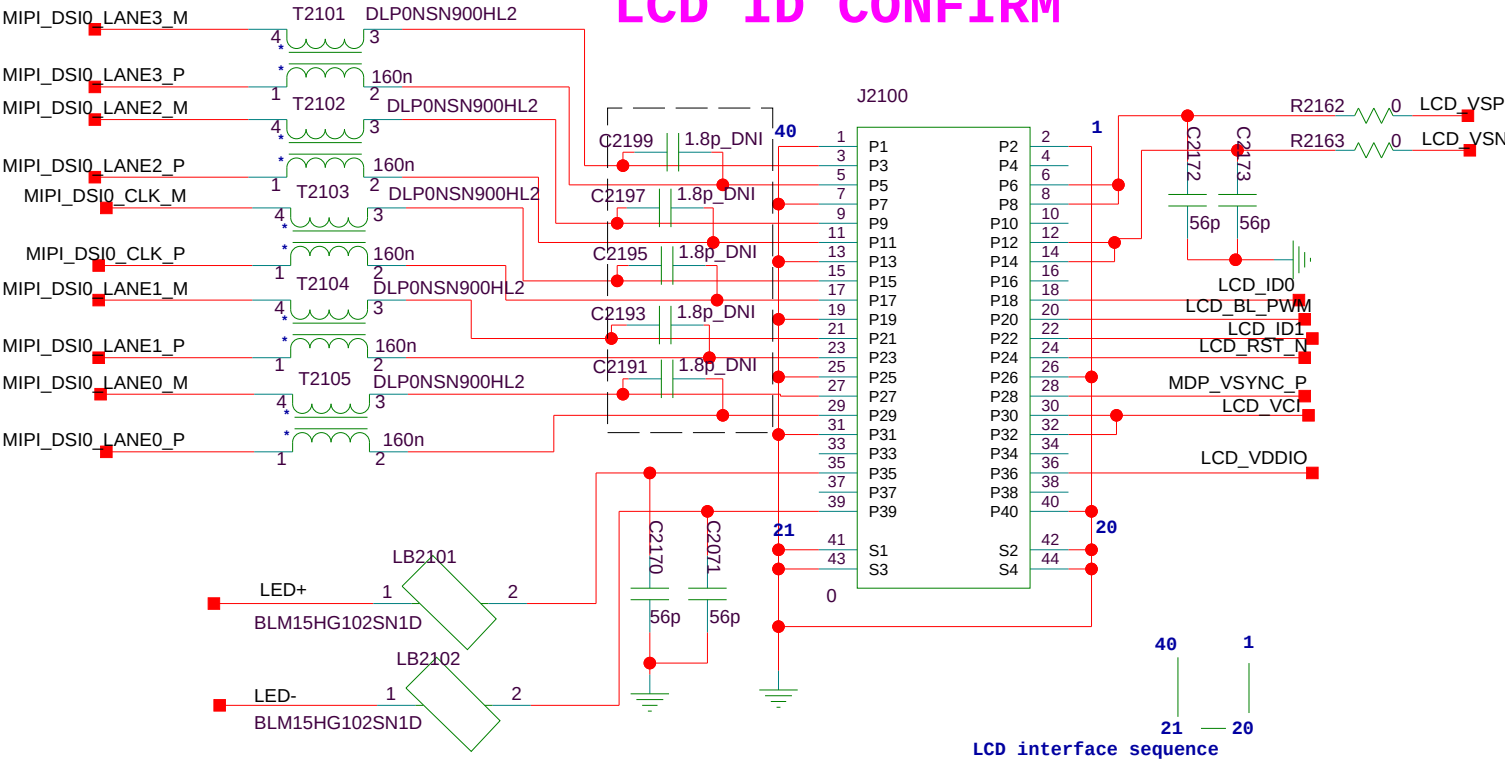
TYP: Vpos=5.39V Vneg=5.37V

LCD BL DRIVER



CAP tolerance above 50V!!!

4.5' LCD
LCD ID CONFIRM

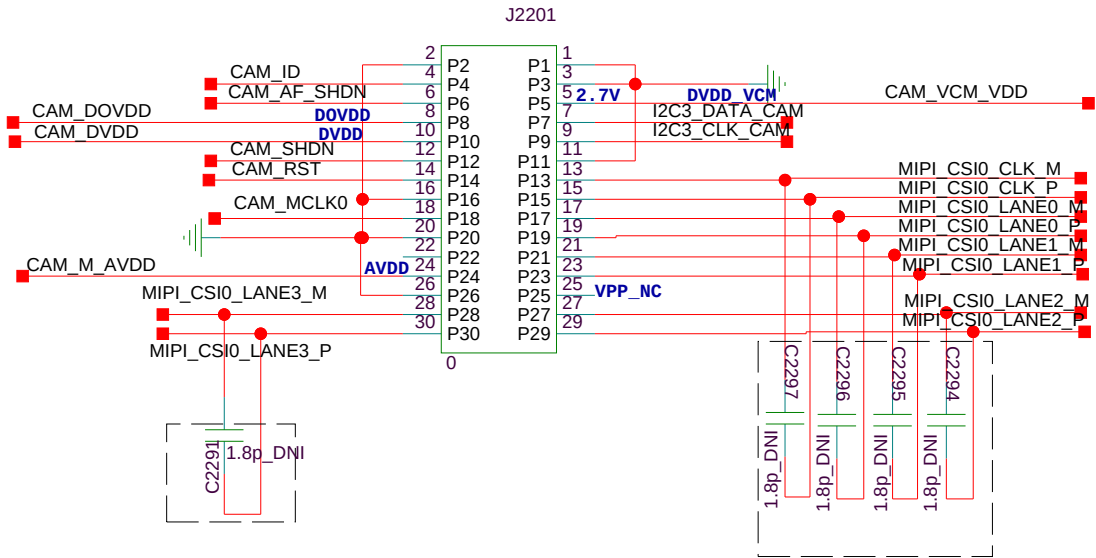


The type and specification of the components refer to the BOM

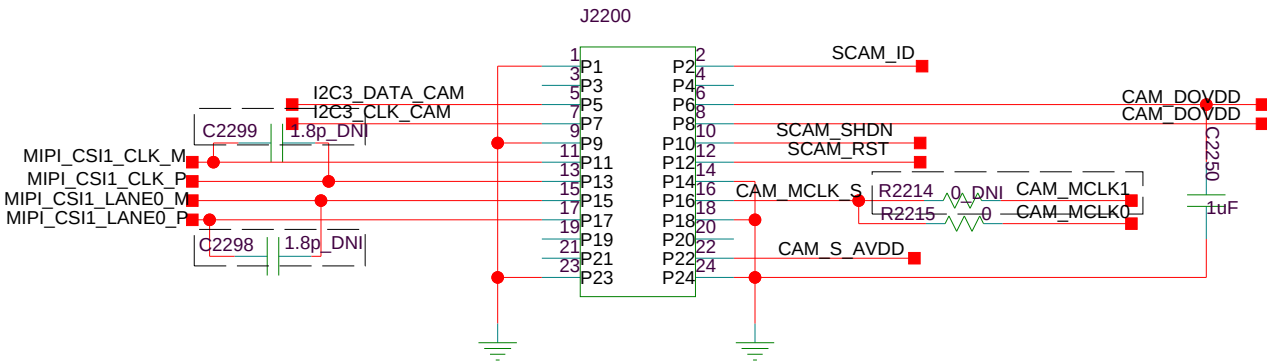
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				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 21 OF 52	
		B	03021RNJ	HUAWAI TECH CO.,LTD.	

22. CAMERA

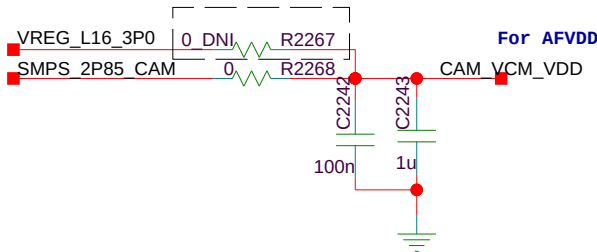
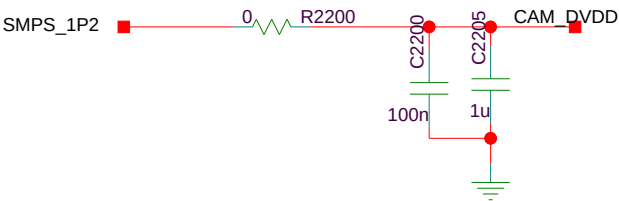
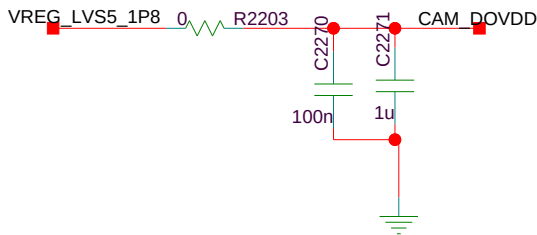
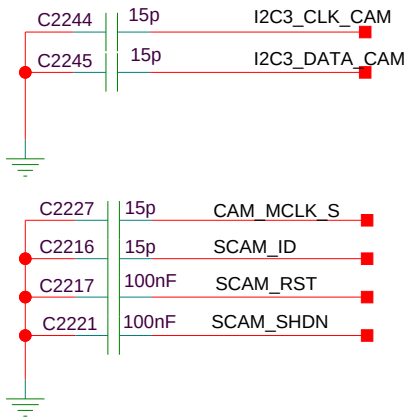
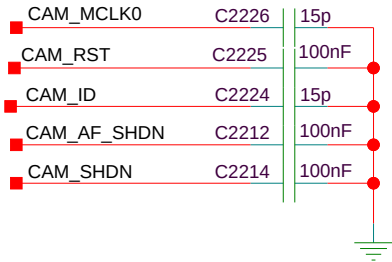
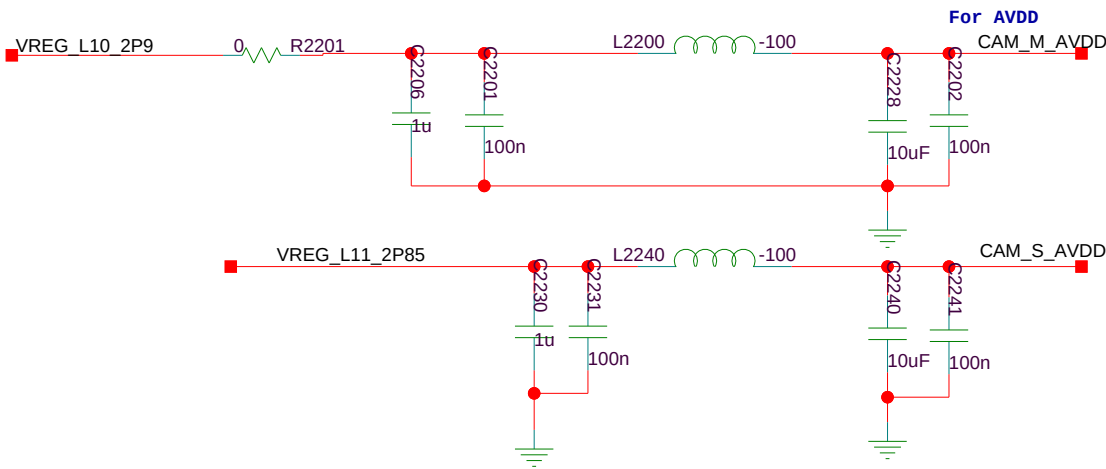
MAIN CAMERA 12M
8M CAMERA use 14240181



Slave CAMERA 1.3M



POWER CLOSE TO MAIN CAMERA



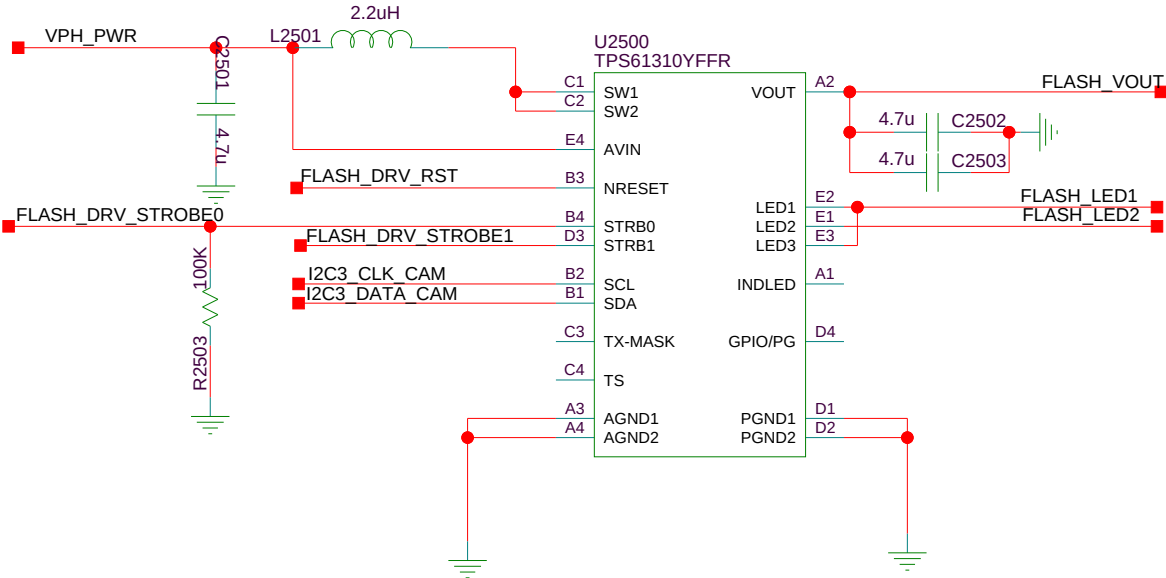
The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 22 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

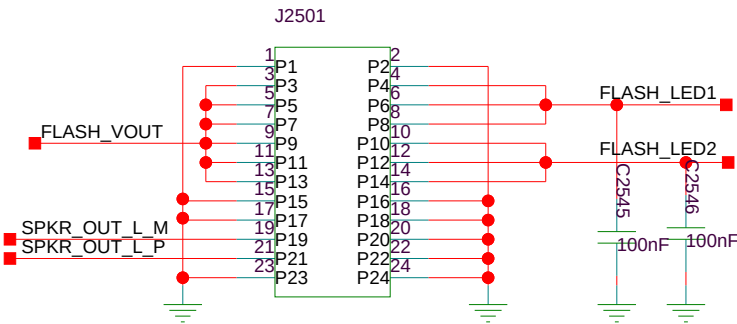
				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	24 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD	

25. Flash Driver & BOOST

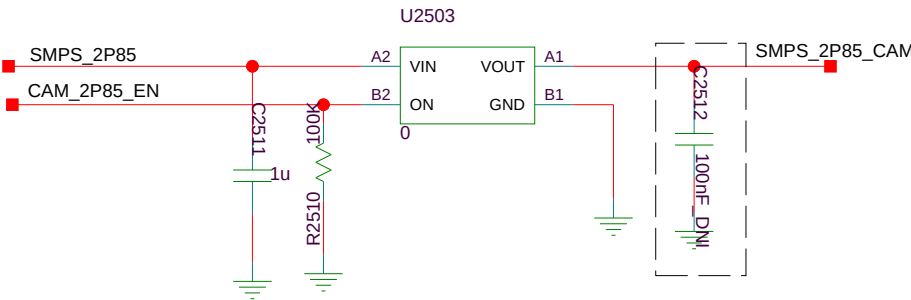
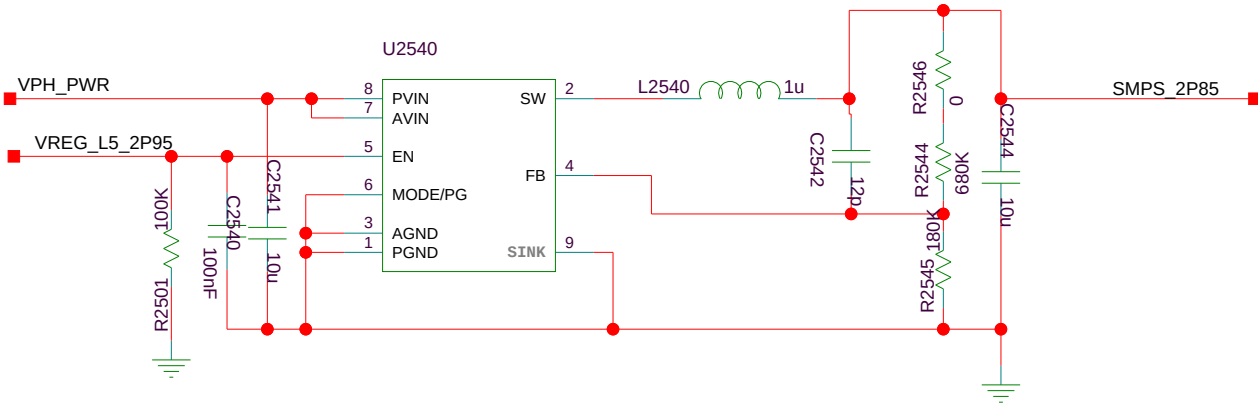
FLASH LED DRIVER



U9501LL FLASH/SPK FPC



2.85V DCDC



The type and specification of the components refer to the BOM

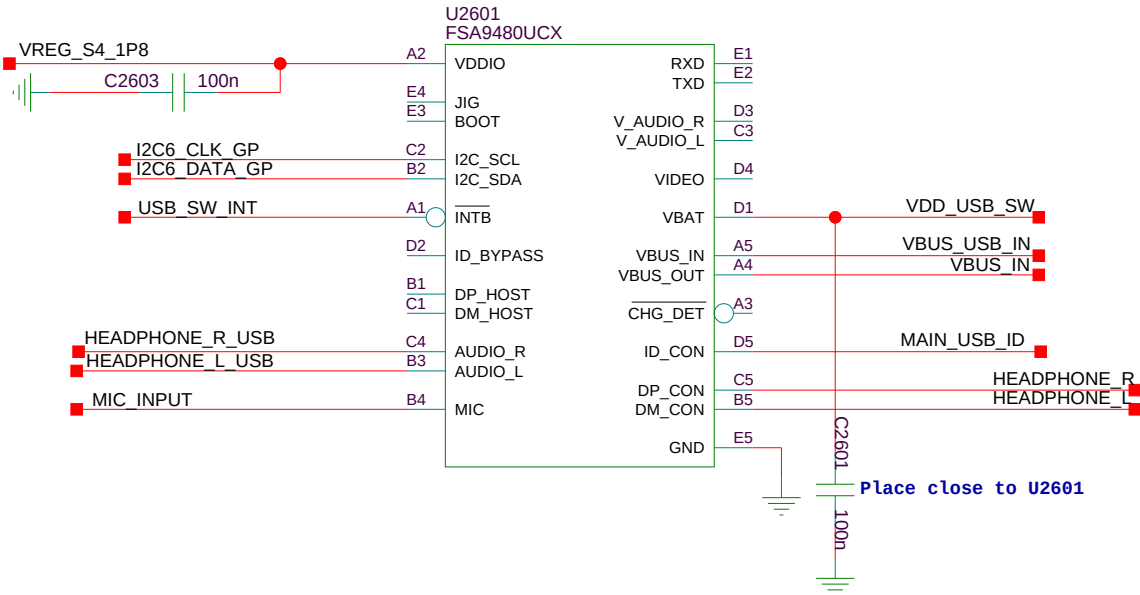
				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 25 OF 52	
		B	03021RNJ	HUAWAI TECH CO.,LTD.	

26.USB INTERFACE SWITCH

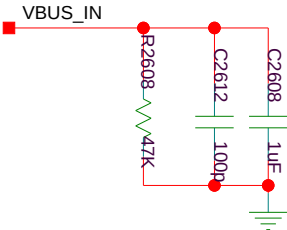
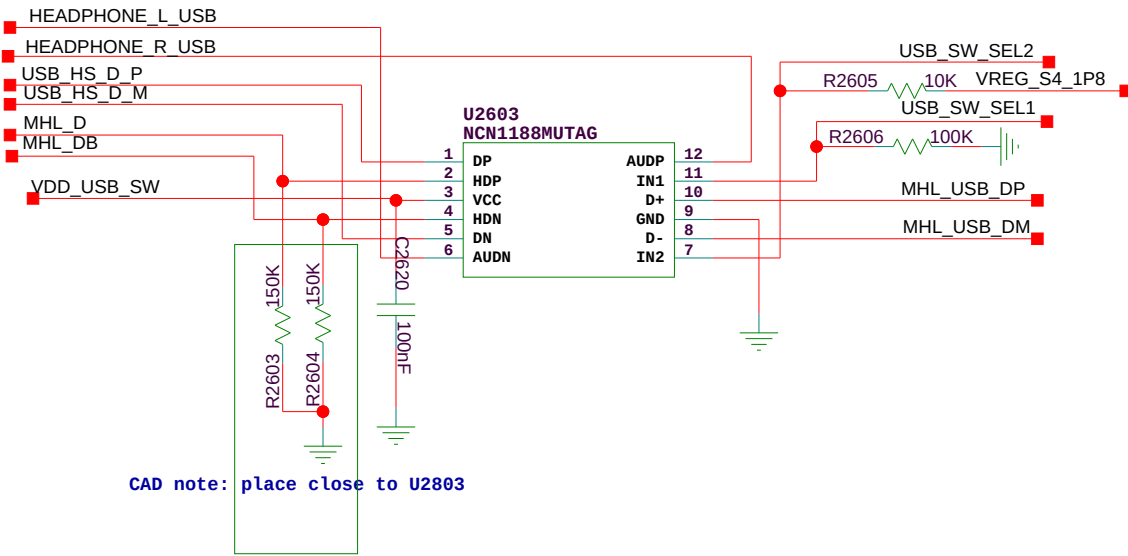
SWITCH TABLE

USB_SW_SEL1	USB_SW_SEL2	U2603 STATUS
0	1	USB
1	1	MHL
1	0	AUDIO
0	0	

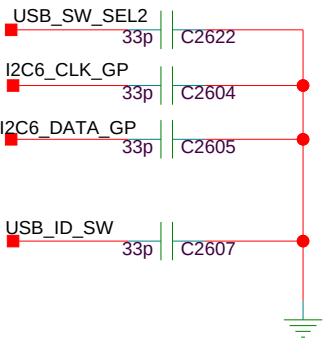
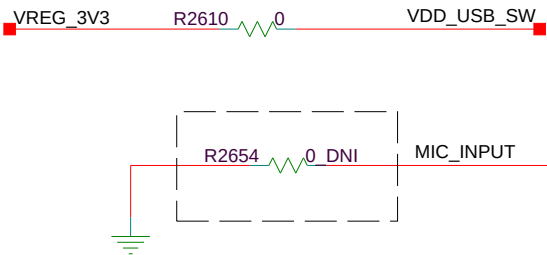
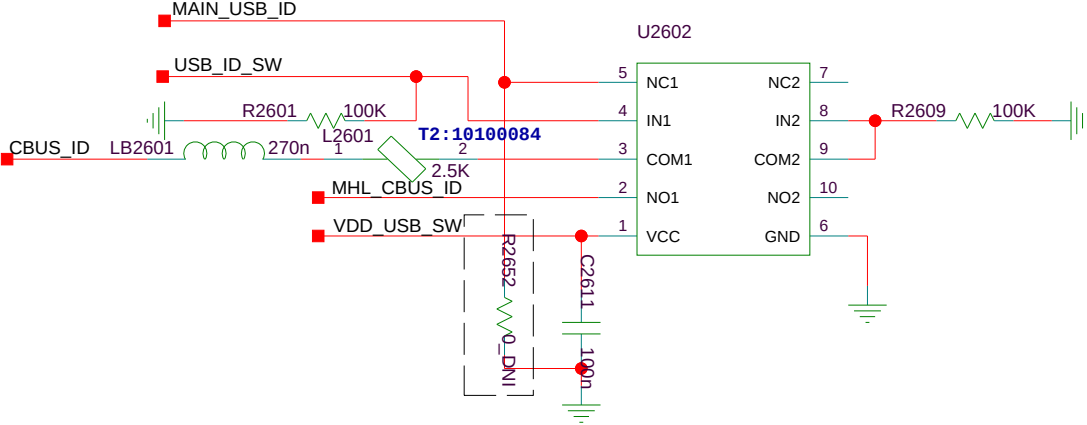
CHARGER/AUDIO/MIC SWITCH & ID IDENTIFY



MHL/USB/AUDIO USB SWITCH



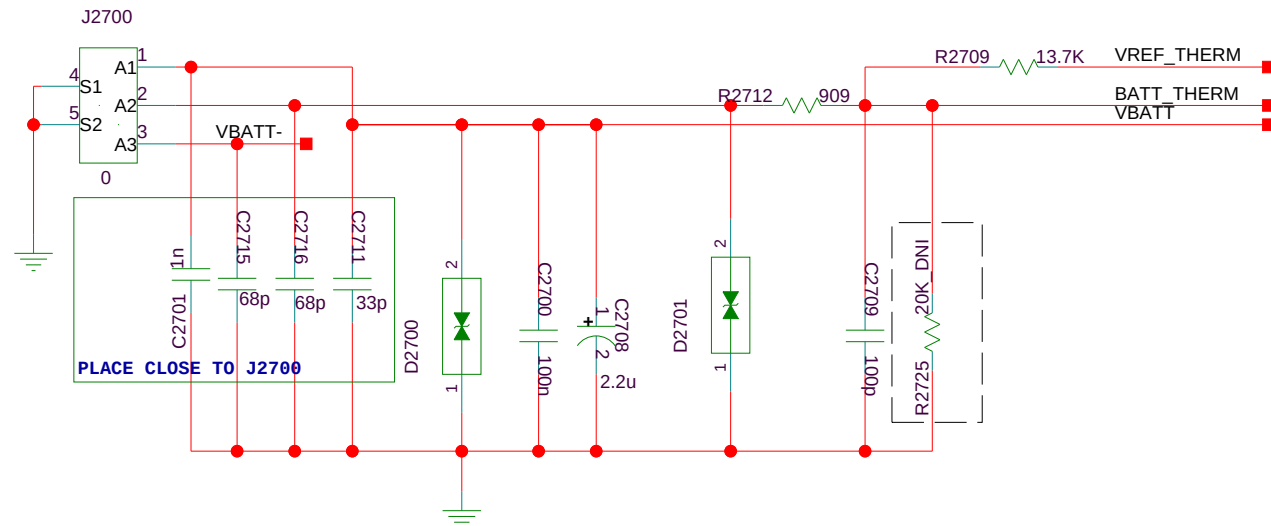
ID/MIC SWITCH



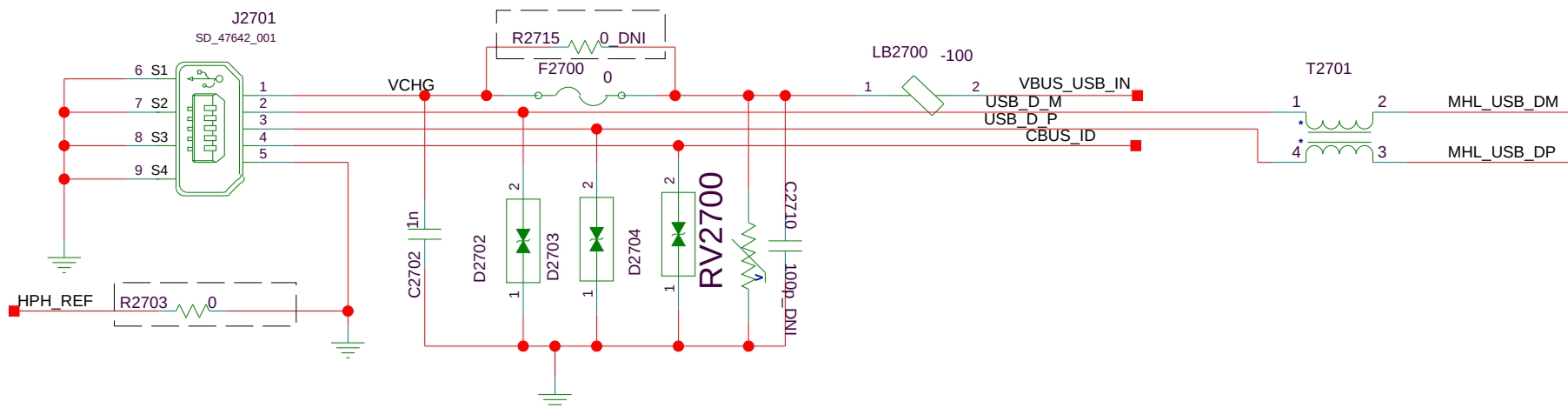
The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 26 OF 52	
		B	03021RNJ	HUAWAI TECH CO.,LTD.	

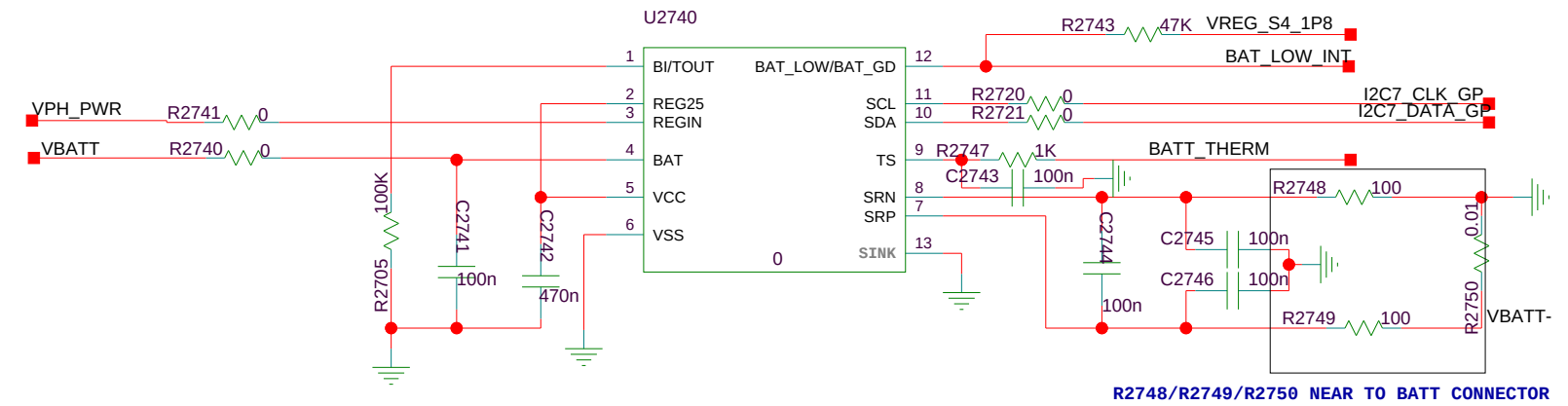
27. Battery Connector & Micro USB



Micro USB Connector 1



BATTERY MANAGEMENT

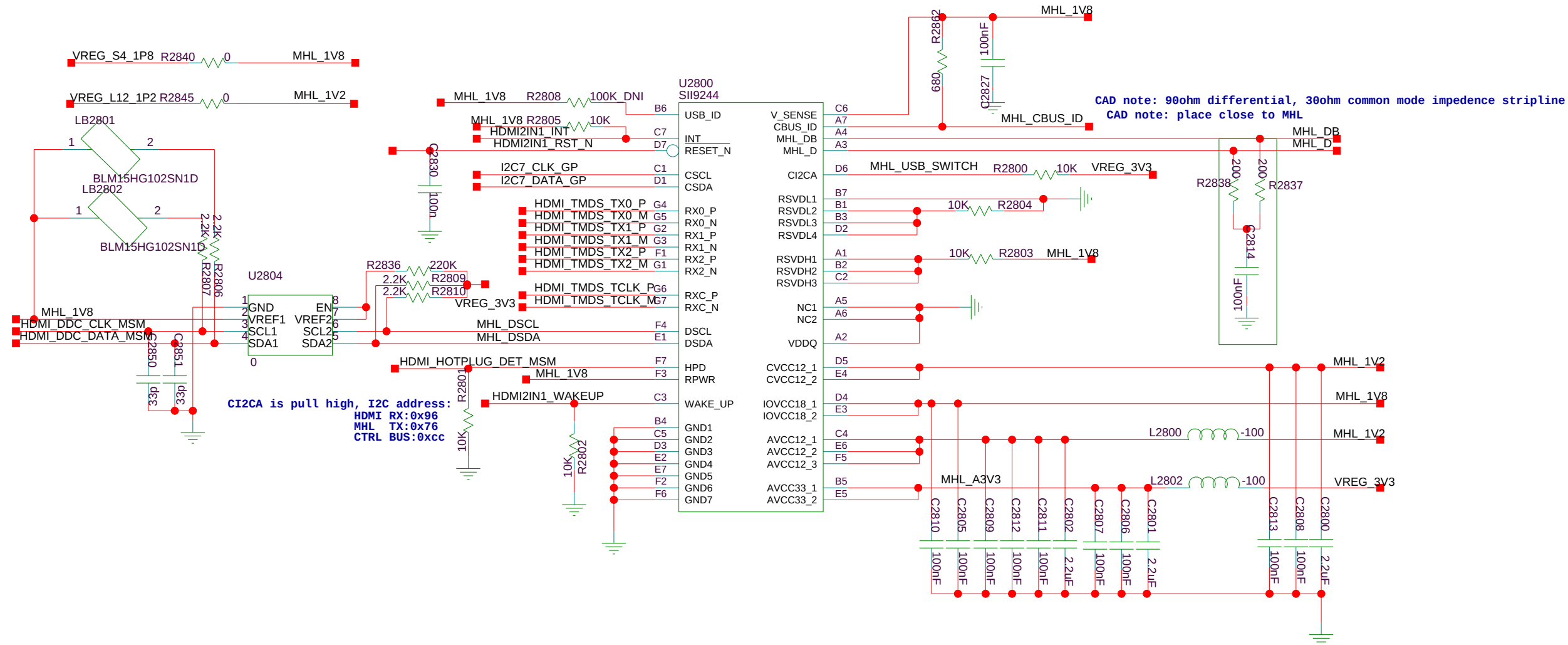


The type and specification of the components refer to the BOM

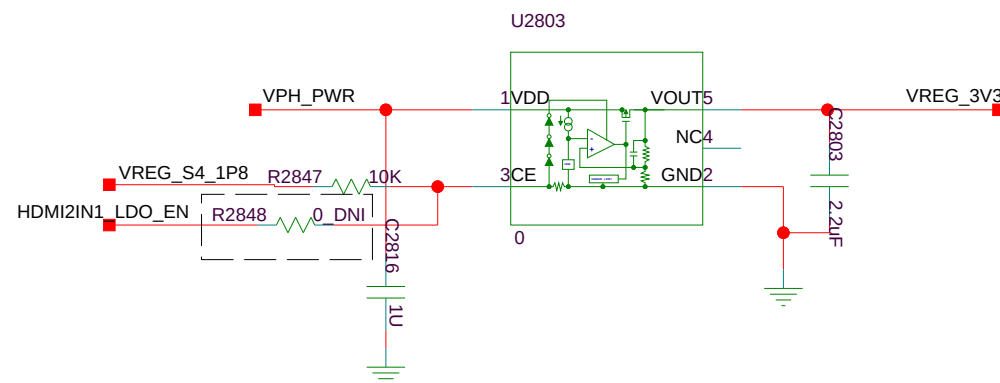
				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	27 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

28. MHL

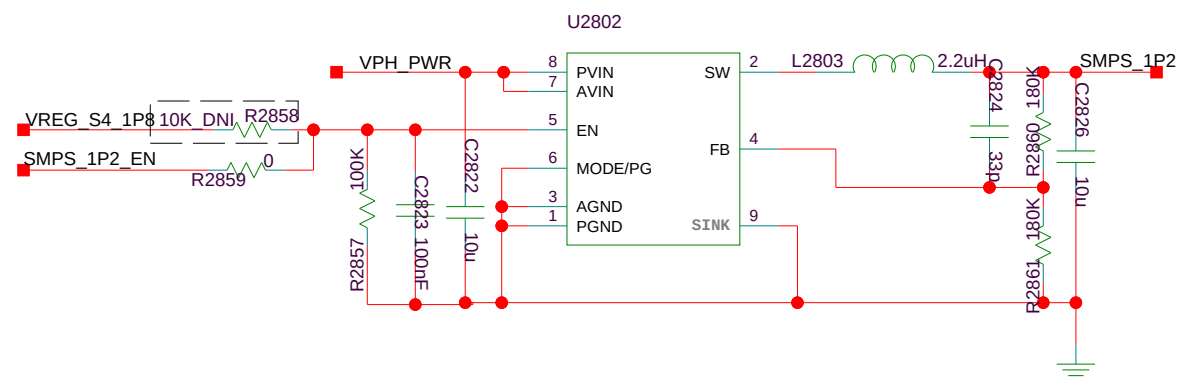
Micro USB Connector 2 for MHL



3.3V LDO



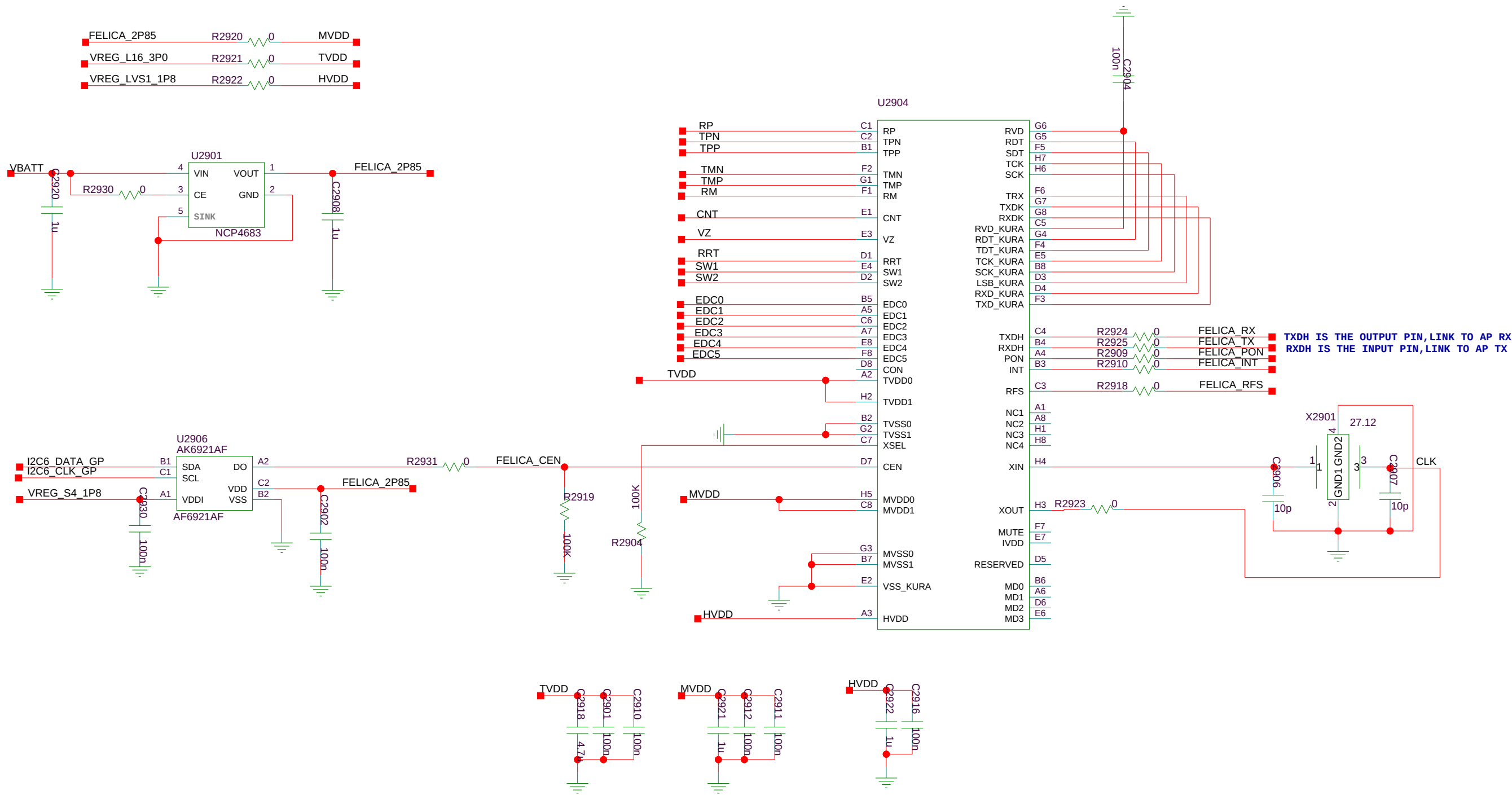
1.2V DCDC for CAMERA



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	28 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

29.Felica BB



The type and specification of the components refer to the BOM

				1386390	8-29-2012_10:50
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465				
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 29 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

30 . RF/BB

BB RF



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 30	OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

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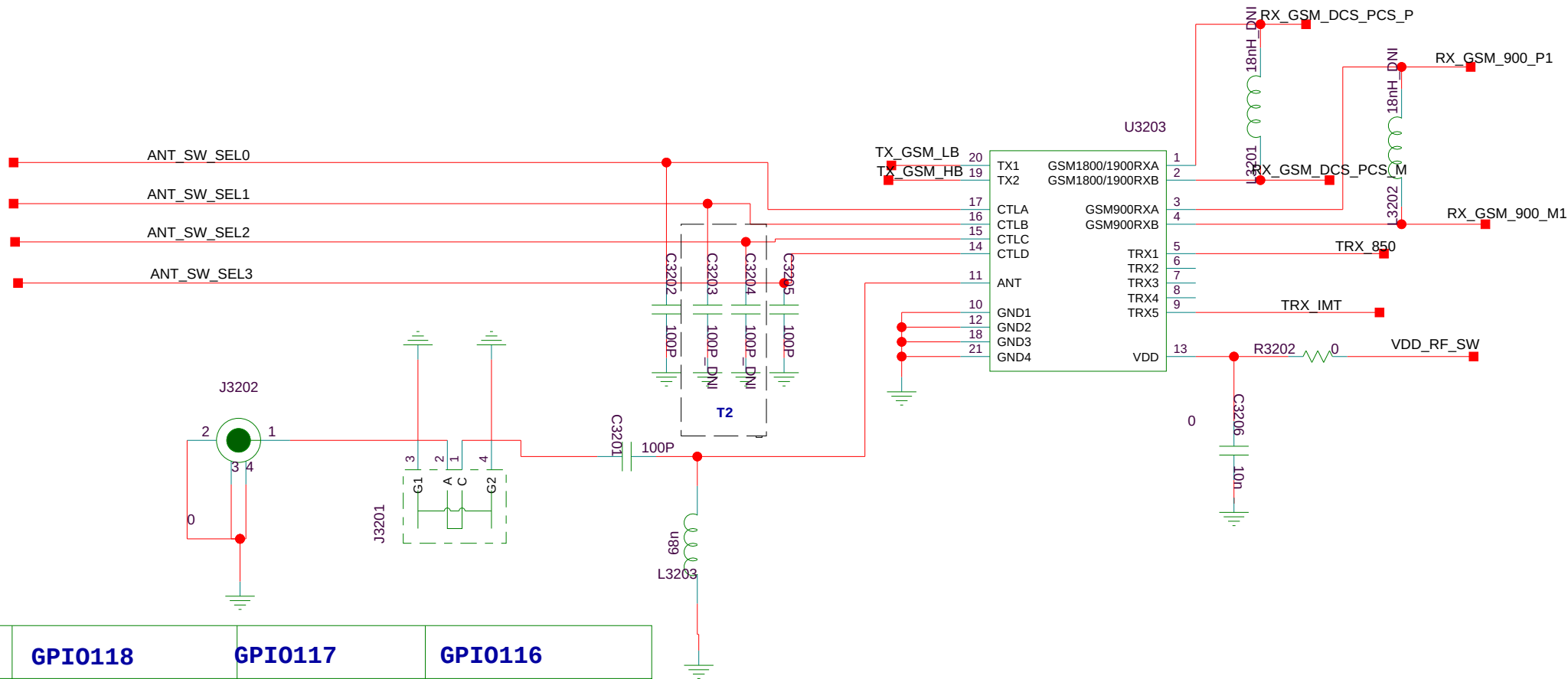
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6

The type and specification of the components refer to the BOM

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				ECA NO	DATE
DESIGNED		HL2U8960TMM		03021RNJ_SCHZH	
	YEJIANBO 00145465				
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	31 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

32.PRIMARY ATTENA SWTICH

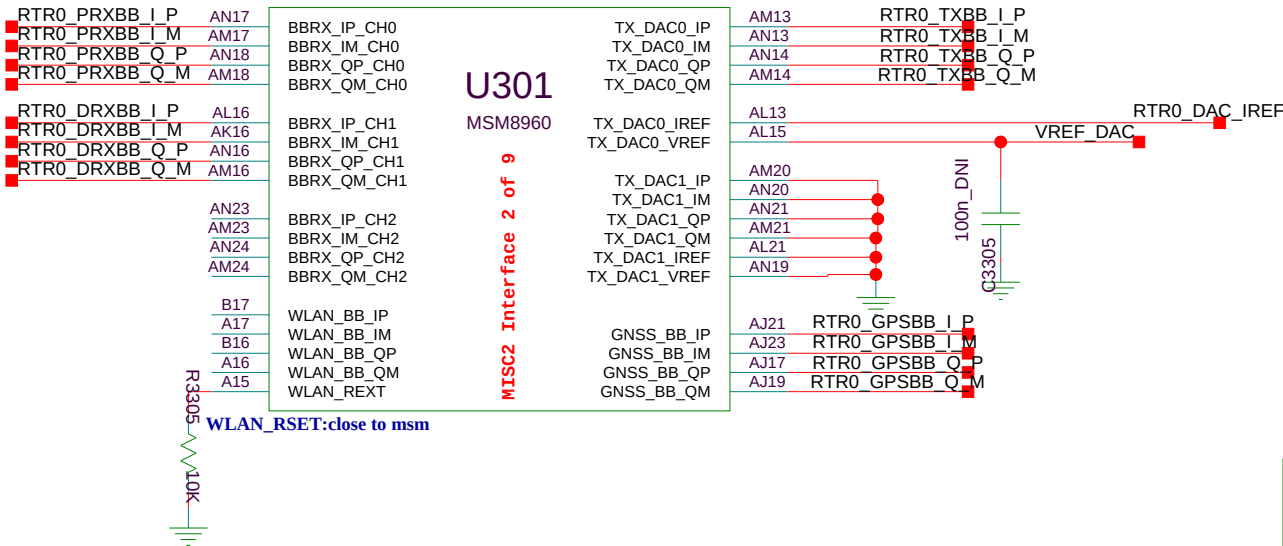
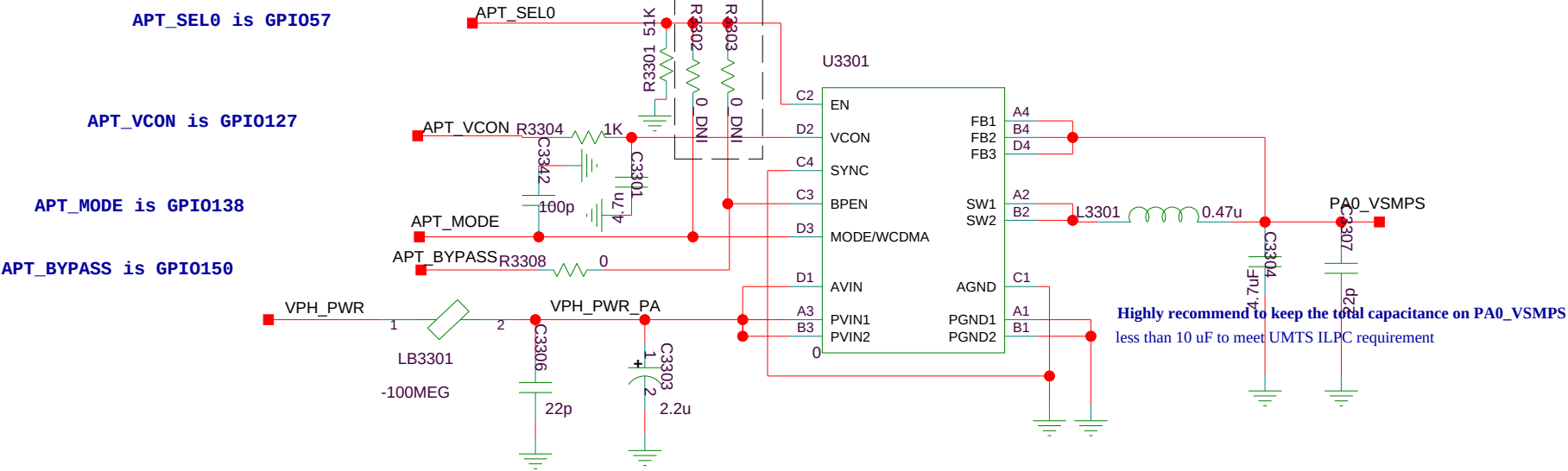


		GPI0119	GPI0118	GPI0117	GPI0116
SWITCHPATH	Mode	ANT_SW_SEL0	ANT_SW_SEL1	ANT_SW_SEL2	ANT_SW_SEL3
TX1	GSM_LB_TX	H	H	H	H
TX2	GSM_HB_TX	H	L	H	H
TRX1	GSM_850_RX	L	H	L	L
GSMRXA/B	GSM_900_RX	H	L	L	L
GSM1800/1900RXA/B	GSM_DCS_RX	L	L	H	L
	RX3	L	H	H	L
TRX3	TRX_IMT/LTE	H	H	H	L
TRX1	TRX_B6/19	L	H	L	L
TRX5	TRX_B9	H	L	L	H

The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 32 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

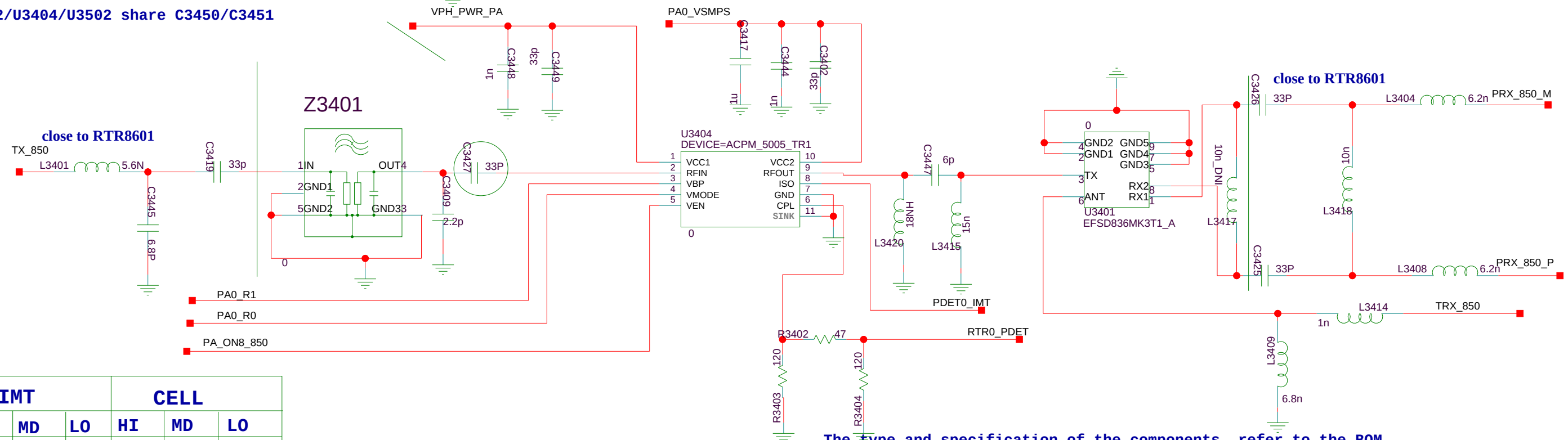
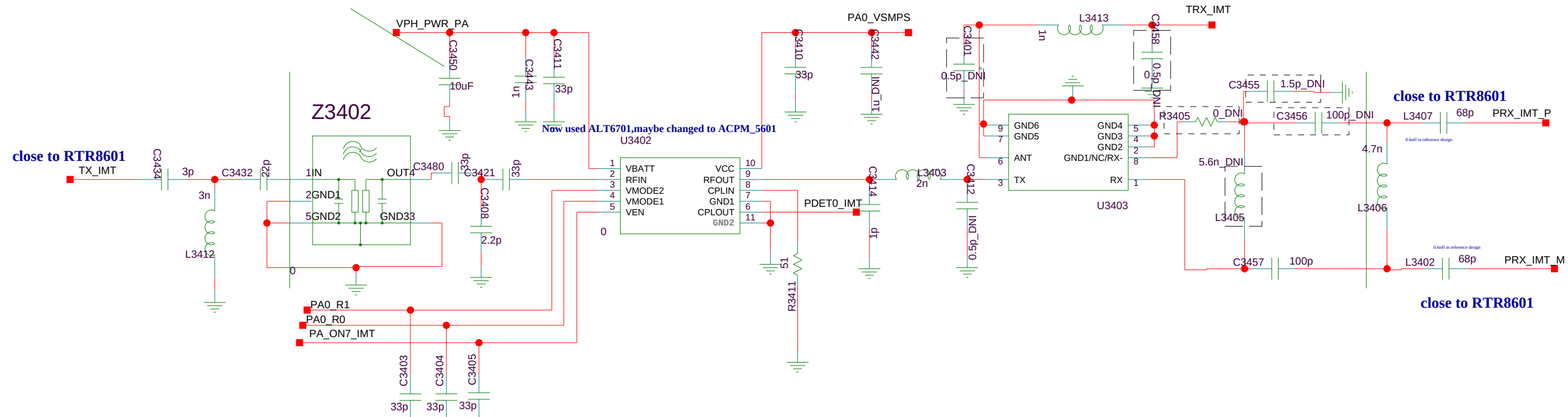
33.PA_PMU



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 33 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

34.B1 and B6&B19 PA and Duplexer



	IMT			CELL		
MODE	HI	MD	LO	HI	MD	LO
R0	L	H	H	L	H	H
R1	L	L	H	L	L	H

PA_ON7_IMT IS GPIO 129

PA_ON8_850 IS GPIO 128

The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	34 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD	

36.B21 TX & DUPLEXER

The type and specification of the components refer to the BOM

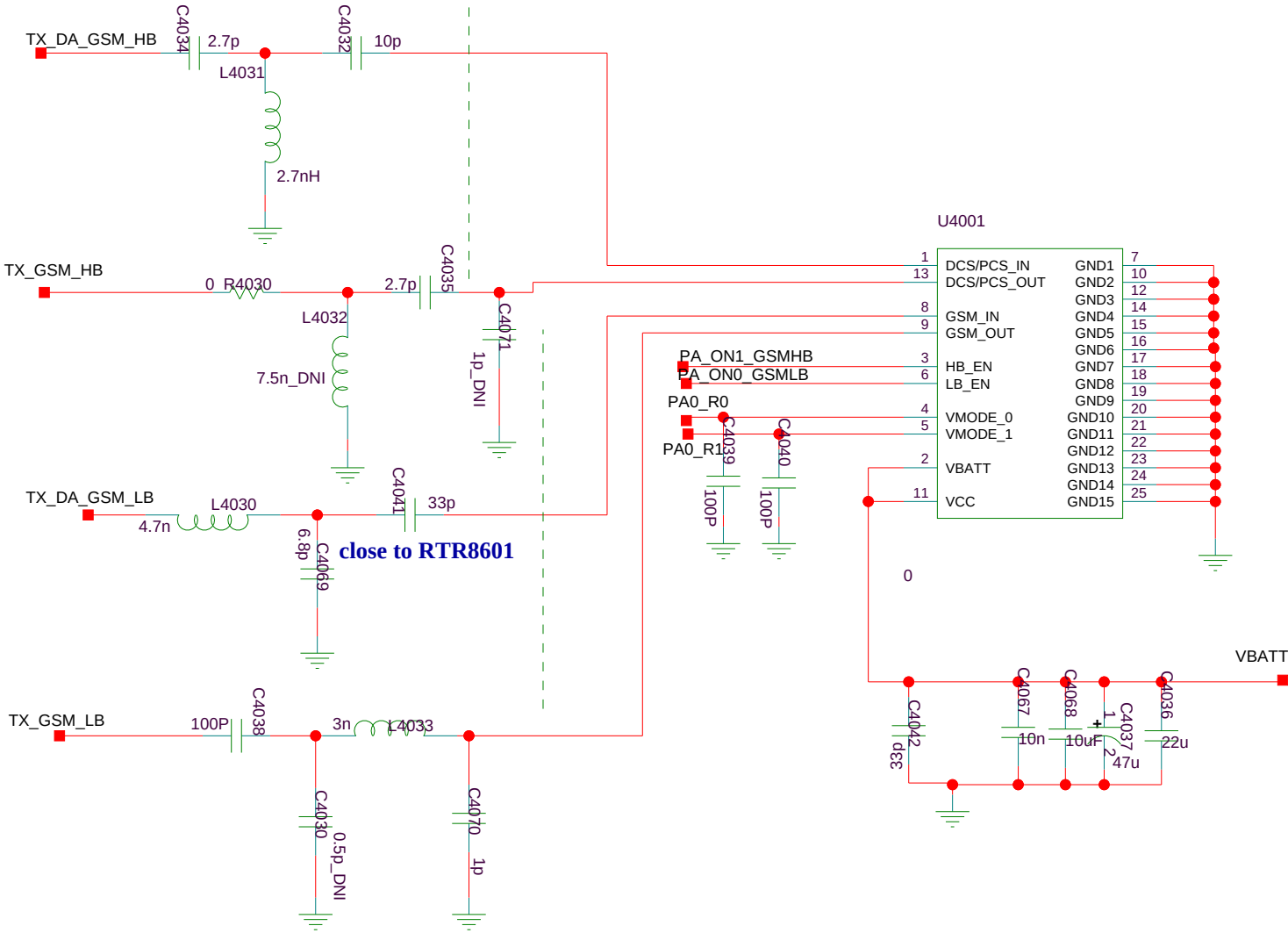
				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 36 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

	1	2	3	4	5	6
A	37.B5 TX & DUPLEXER					
B						
C						
D						
	The type and specification of the components refer to the BOM					
					1386390	2012-08-24
					ECA NO	DATE
	DESIGNED	YEJIANBO 00145465		HL2U8960TMM		03021RNJ_SCHZH
	REVIEWED	JISHIFU 56304				
				VER	PART_NUMBER	SHEET 37 OF 52
				B	03021RNJ	HUAWEI TECH CO.,LTD.
	1	2	3	4	5	6

1	2	3	4	5	6	
38.B8 TX & DUPLEXER						
A						A
B						B
C						C
D						D
The type and specification of the components refer to the BOM						
				1386390	2012-08-24	
				ECA NO	DATE	
DESIGNED	YEJIANBO 00145465		HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304					
			VER	PART_NUMBER	SHEET 38 OF 52	
			B	03021RNJ	HUAWEI TECH CO.,LTD.	
1	2	3	4	5	6	

40.GSM

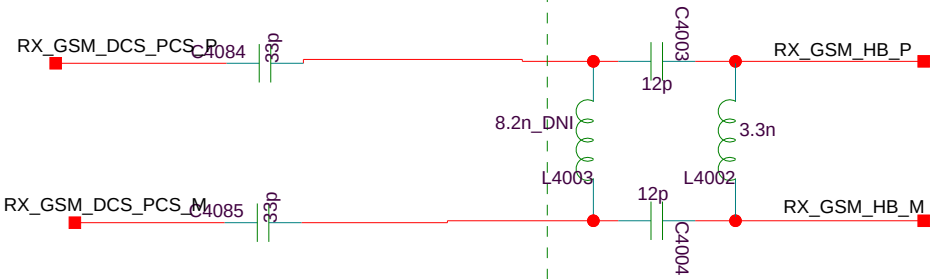
close to RTR8601



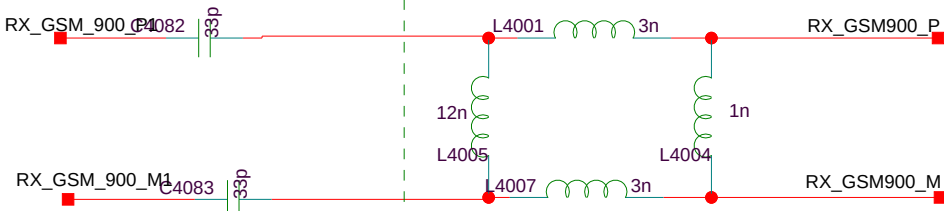
	GSM LB		
MODE	HI	MD	LO
R0	L	H	H
R1	L	L	H
PA_ON1_GSMHB	H		
PA_ON0_GSMLB	L		

	GSM HB		
MODE	HI	MD	LO
R0	L	H	H
R1	L	L	H
PA_ON1_GSMHB	L		
PA_ON0_GSMLB	H		

CLOSED TO RTR8601



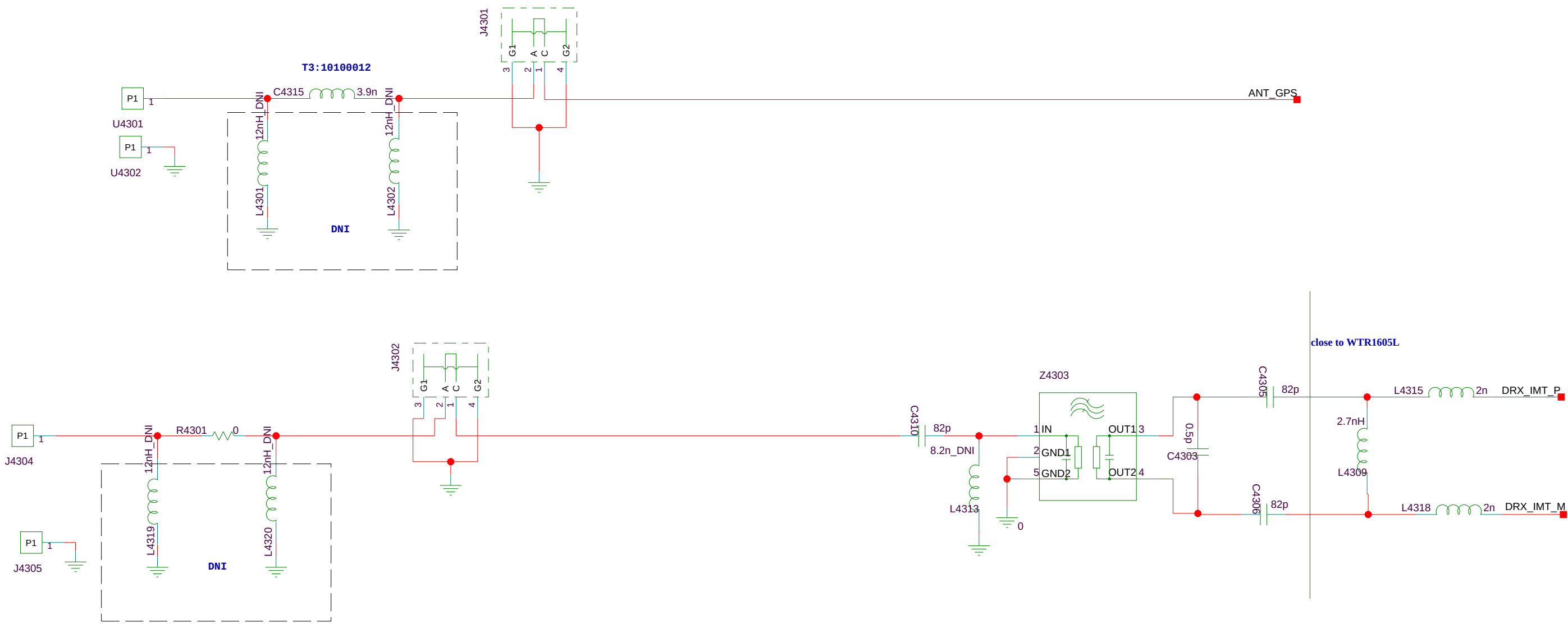
CLOSED TO RTR8601



The type and specification of the components refer to the BOM

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				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	40 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

43.DRX1



The type and specification of the components refer to the BOM					
				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	43 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

1	2	3	4	5	6
A	44.DRX2				
B					
C					
D	The type and specification of the components refer to the BOM				
				1386390	2012-08-24
				ECA NO	DATE
	DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH
	REVIEWED	JISHIFU 56304			
			VER	PART_NUMBER	SHEET 44 OF 52
			B	03021RNJ	HUAWEI TECH CO.,LTD.
1	2	3	4	5	6

45.BT/WLAN

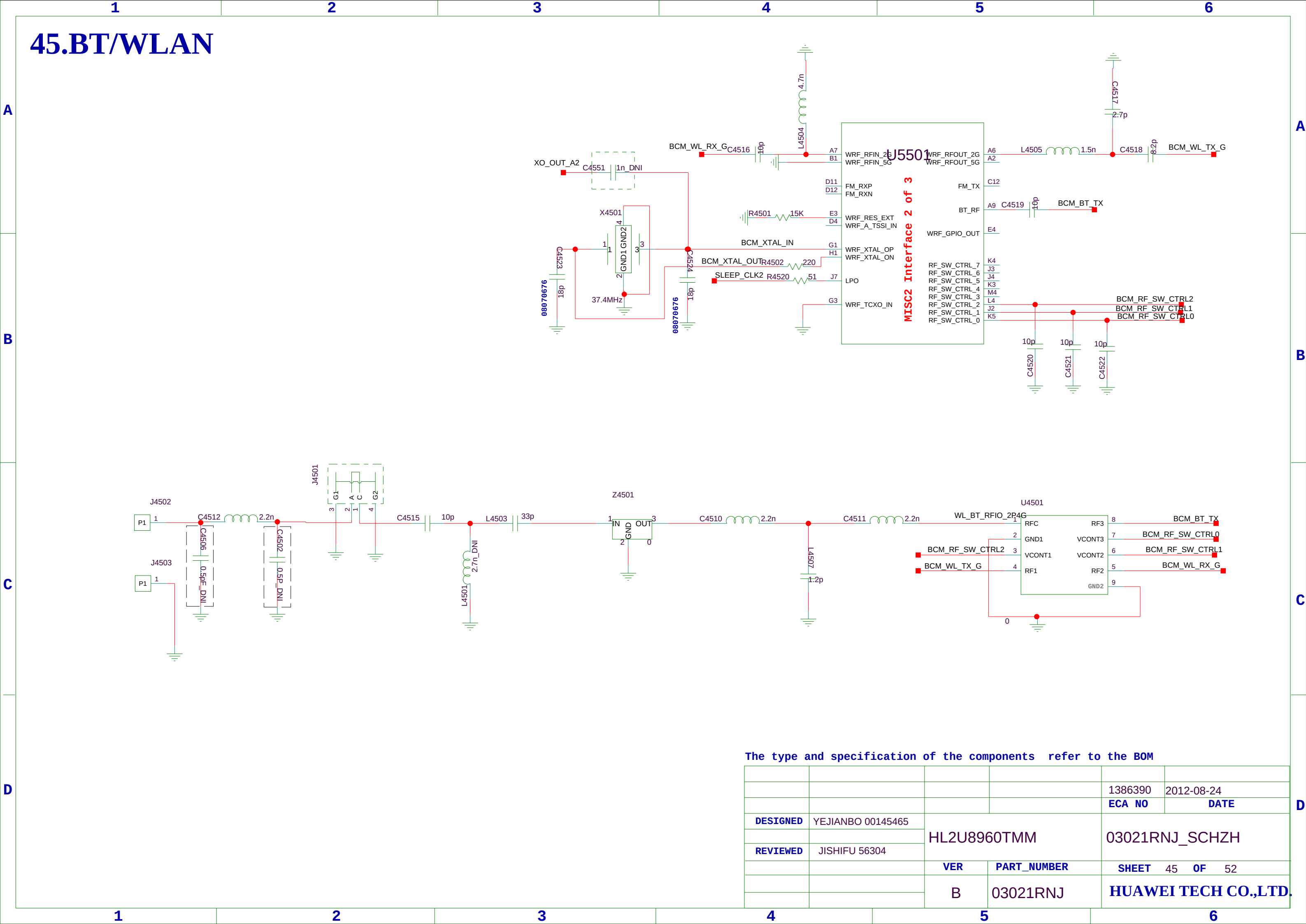
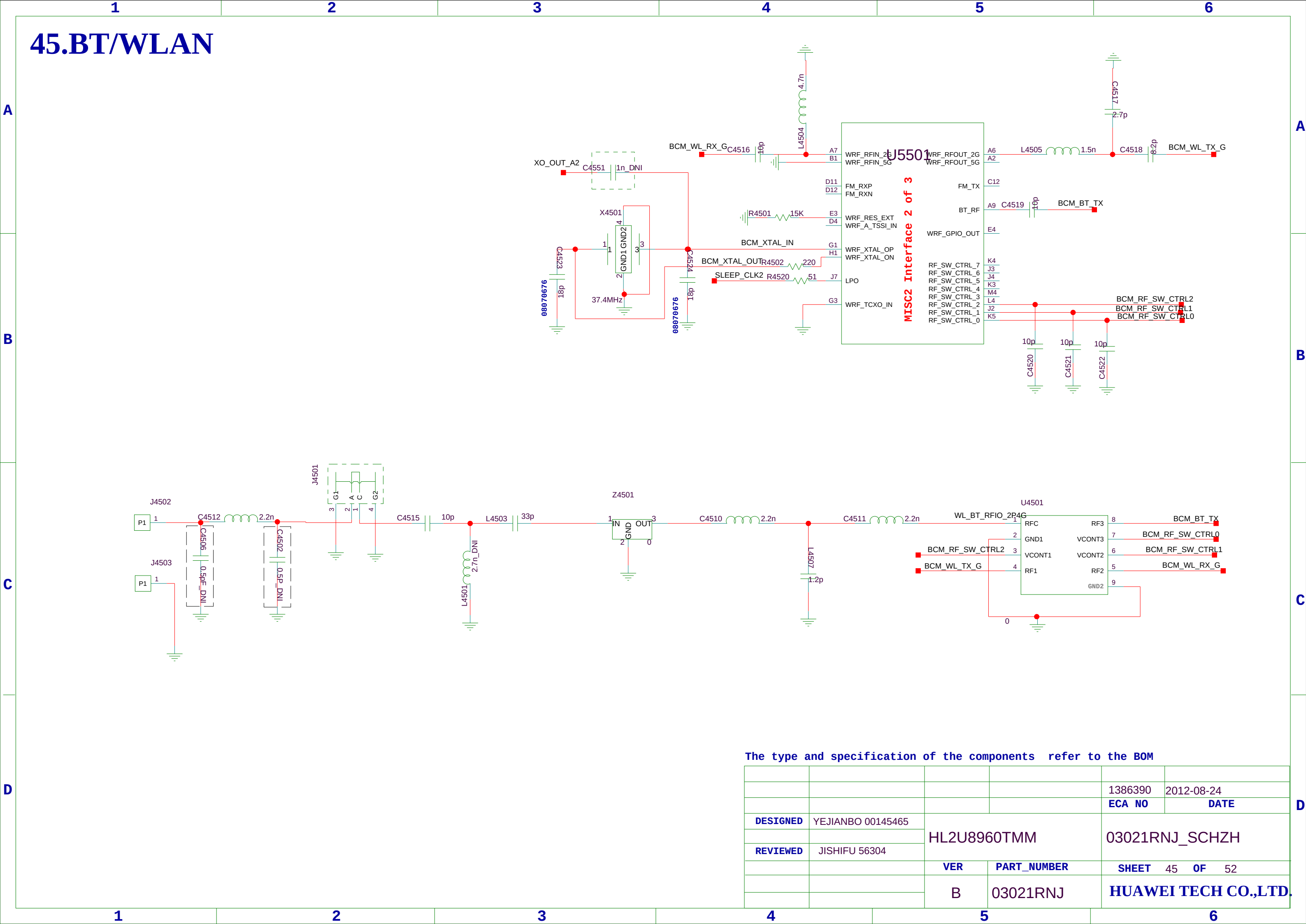
The diagram illustrates the PCB layout for the BT/WLAN interface. It features a central component U5501 with multiple pins connected to various components and traces. Key components include:

- U5501**: A central IC with pins for WRF_RFIN_2G, WRF_RFIN_5G, WRF_RFOUT_2G, WRF_RFOUT_5G, FM_RXP, FM_RXN, WRF_RES_EXT, WRF_A_TSSI_IN, WRF_XTAL_OP, WRF_XTAL_ON, LPO, WRF_TCXO_IN, WRF_GPIO_OUT, FM_TX, BT_RF, and RF_SW_CTRL_7 through RF_SW_CTRL_0.
- J4501**: A connector with pins G1, A, C, and G2.
- Z4501**: A component with pins IN, GND, and OUT.
- U4501**: A component with pins RFC, RF3, VCONT3, VCONT2, RF2, GND2, RF1, and GND1.

The layout includes various passive components such as capacitors (C4512, C4515, C4516, C4517, C4518, C4519, C4520, C4521, C4522, C4523, C4524, C4506), inductors (L4501, L4503, L4504, L4505, L4507), and resistors (R4501, R4502, R4520). It also shows signal traces for BCM_WL_RX_G, BCM_WL_TX_G, BCM_BT_TX, BCM_BT_RX, BCM_RF_SW_CTRL0, BCM_RF_SW_CTRL1, BCM_RF_SW_CTRL2, BCM_XTAL_IN, BCM_XTAL_OUT, SLEEP_CLK2, and XO_OUT_A2.

The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 45 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	



45.BT/WLAN

The diagram illustrates the PCB layout for the BT/WLAN interface. It features a central component U5501 with multiple pins connected to various components and traces. Key components include:

- U5501**: A central IC with pins for WRF_RFIN_2G, WRF_RFIN_5G, WRF_RFOUT_2G, WRF_RFOUT_5G, FM_RXP, FM_RXN, WRF_RES_EXT, WRF_A_TSSI_IN, WRF_XTAL_OP, WRF_XTAL_ON, LPO, WRF_TCXO_IN, WRF_GPIO_OUT, FM_TX, BT_RF, and RF_SW_CTRL_7 through RF_SW_CTRL_0.
- J4501**: A connector with pins G1, A, C, and G2.
- Z4501**: A component with pins IN, GND, and OUT.
- U4501**: A component with pins RFC, RF3, VCONT3, VCONT2, RF2, GND2, RF1, and GND1.

The layout includes various passive components such as capacitors (C4512, C4515, C4516, C4517, C4518, C4519, C4520, C4521, C4522, C4523, C4524, C4506), inductors (L4501, L4503, L4504, L4505, L4507), and resistors (R4501, R4502, R4520). It also shows signal traces for BCM_WL_RX_G, BCM_WL_TX_G, BCM_BT_TX, BCM_BT_RX, BCM_RF_SW_CTRL0, BCM_RF_SW_CTRL1, BCM_RF_SW_CTRL2, BCM_XTAL_IN, BCM_XTAL_OUT, SLEEP_CLK2, and XO_OUT_A2.

The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 45 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

45.BT/WLAN

The diagram illustrates the PCB layout for the BT/WLAN interface. It features a central component U5501 with multiple pins connected to various components and traces. Key components include:

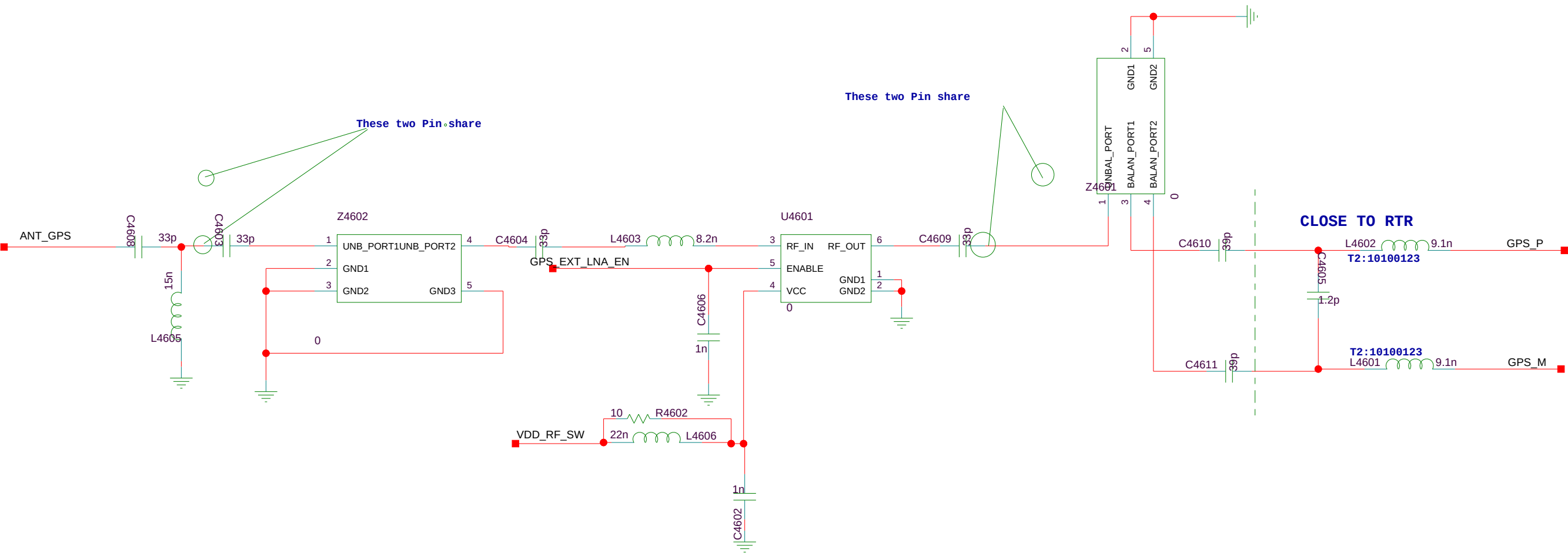
- U5501**: A central IC with pins for WRF_RFIN_2G, WRF_RFIN_5G, WRF_RFOUT_2G, WRF_RFOUT_5G, FM_RXP, FM_RXN, WRF_RES_EXT, WRF_A_TSSI_IN, WRF_XTAL_OP, WRF_XTAL_ON, LPO, WRF_TCXO_IN, WRF_GPIO_OUT, FM_TX, BT_RF, and RF_SW_CTRL_7 through RF_SW_CTRL_0.
- J4501**: A connector with pins G1, A, C, and G2.
- Z4501**: A component with pins IN, GND, and OUT.
- U4501**: A component with pins RFC, RF3, VCONT3, VCONT2, RF2, GND2, RF1, and GND1.

The layout includes various passive components such as capacitors (C4512, C4515, C4516, C4517, C4518, C4519, C4520, C4521, C4522, C4523, C4524, C4506), inductors (L4501, L4503, L4504, L4505, L4507), and resistors (R4501, R4502, R4520). It also shows signal traces for BCM_WL_RX_G, BCM_WL_TX_G, BCM_BT_TX, BCM_BT_RX, BCM_RF_SW_CTRL0, BCM_RF_SW_CTRL1, BCM_RF_SW_CTRL2, BCM_XTAL_IN, BCM_XTAL_OUT, SLEEP_CLK2, and XO_OUT_A2.

The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 45 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

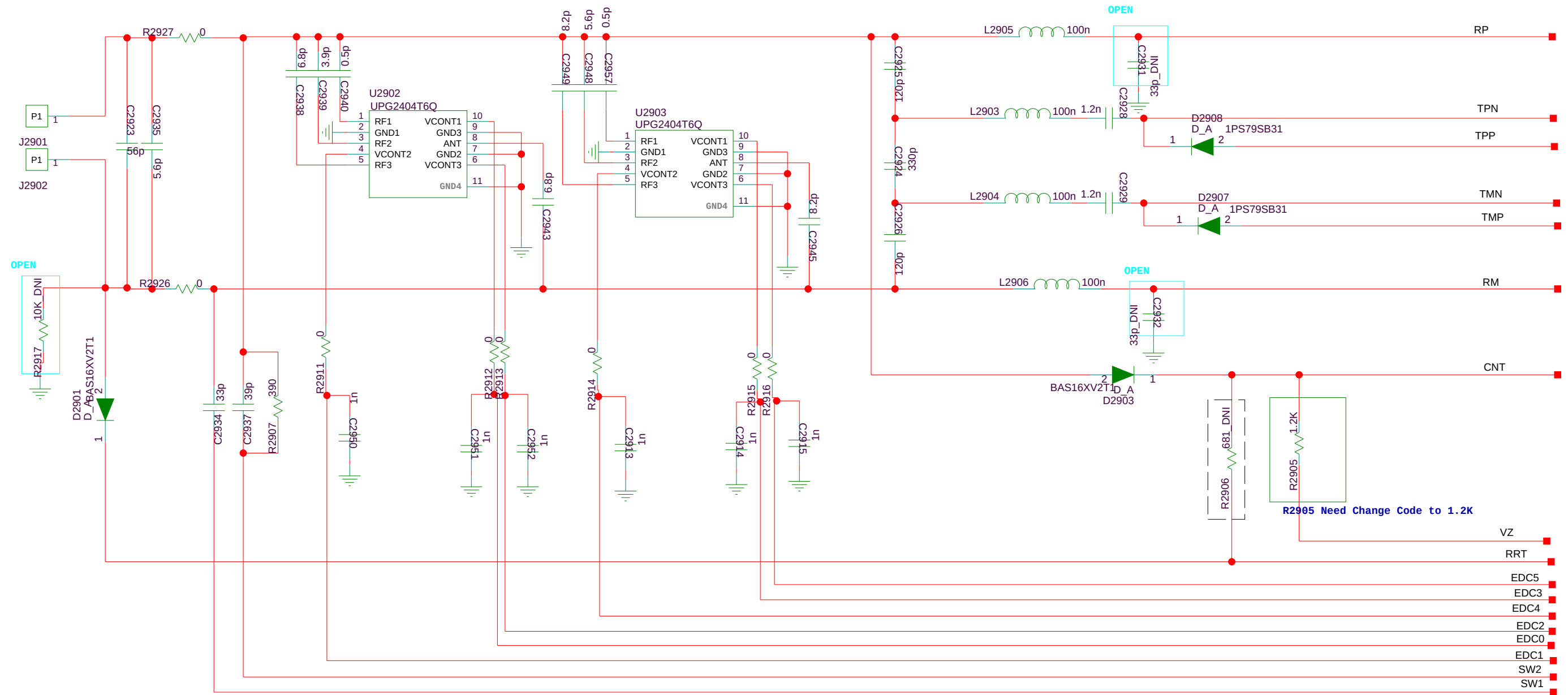
46. GLONASS FRONT END



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	46 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

47.Felica RF



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	47 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

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48.VCTCXO

A

A

B

B

C

C

D

D

The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET	48 OF 52
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

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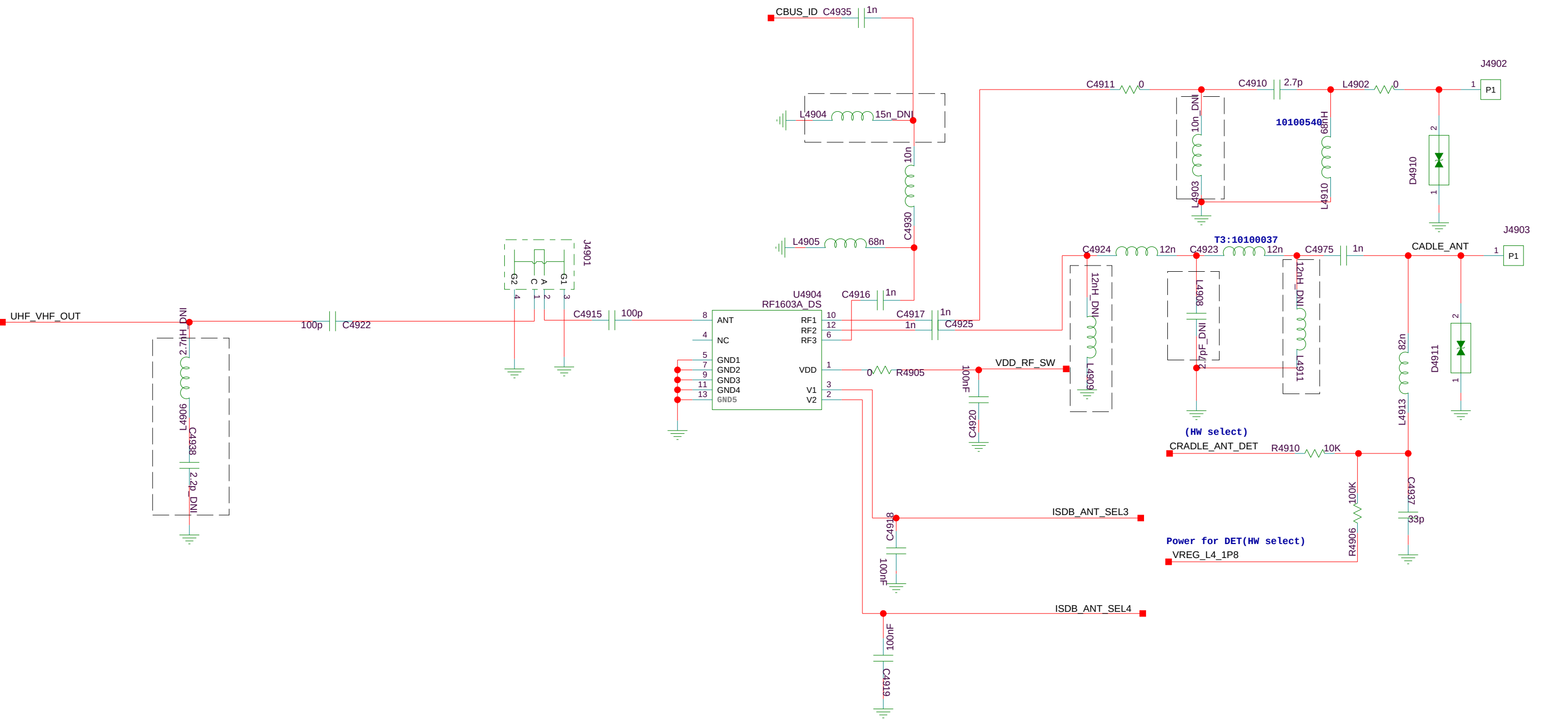
49. ISDB-T/Tmm BB



The type and specification of the components refer to the BOM

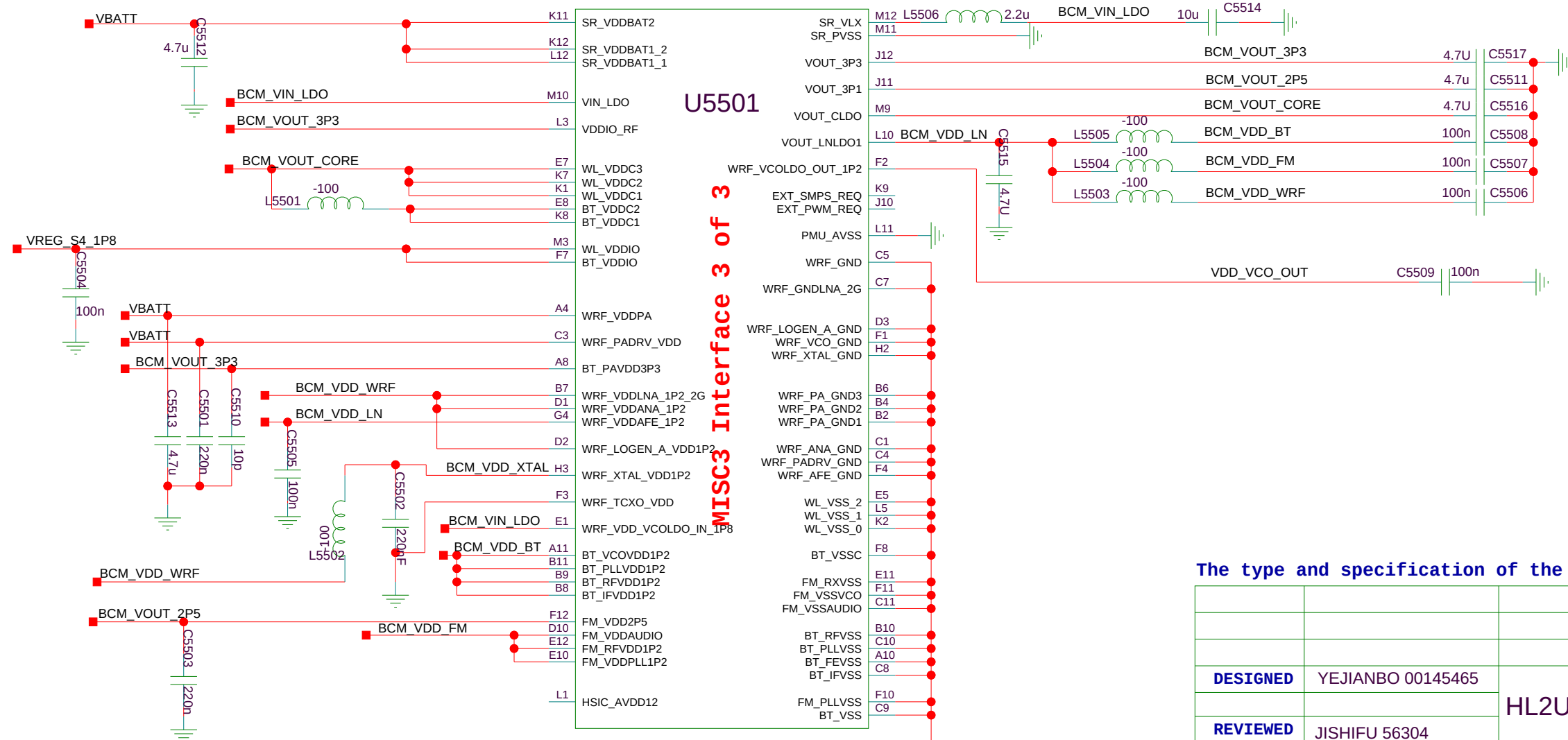
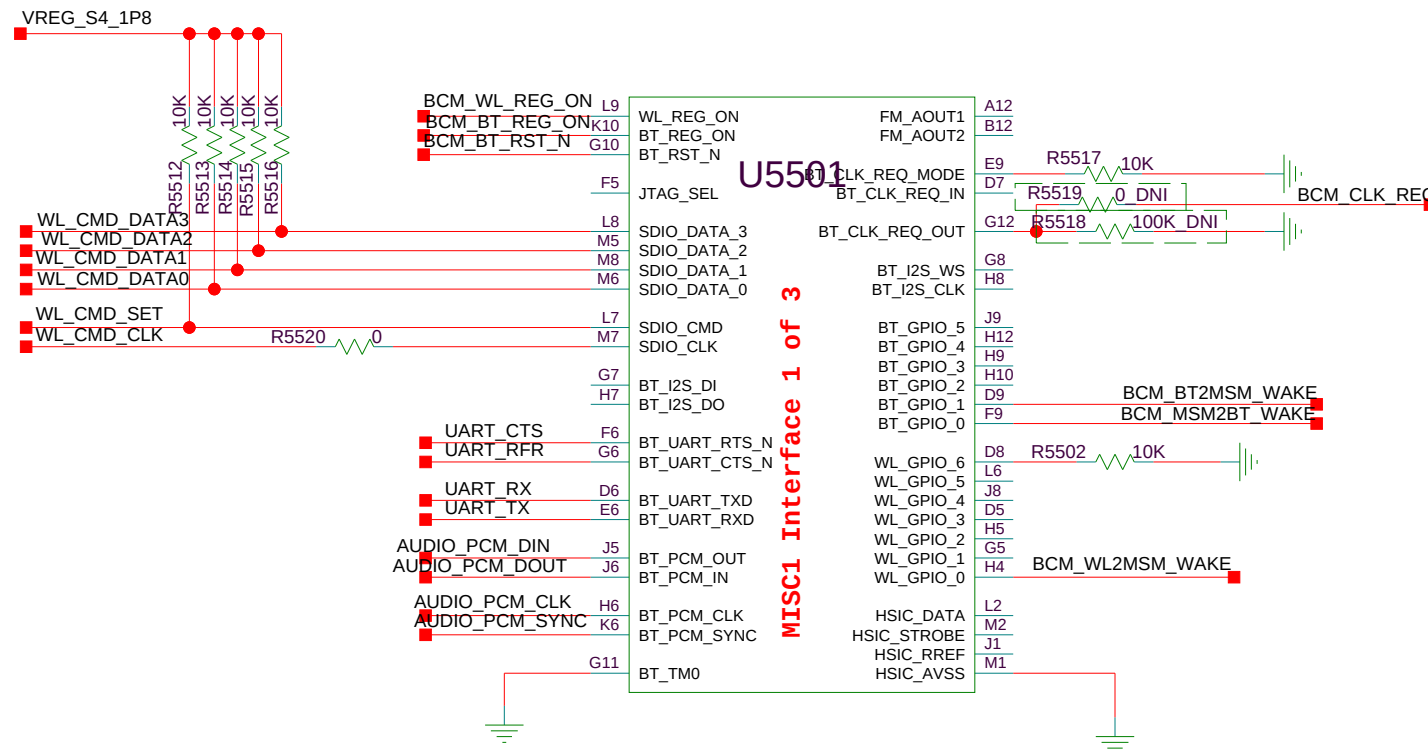
				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 49 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

50.ISDB-T/Tmm RF PART



The type and specification of the components refer to the BOM					
				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 50 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD.	

52. BCM4330 BB



The type and specification of the components refer to the BOM

				1386390	2012-08-24
				ECA NO	DATE
DESIGNED	YEJIANBO 00145465	HL2U8960TMM		03021RNJ_SCHZH	
REVIEWED	JISHIFU 56304				
		VER	PART_NUMBER	SHEET 52 OF 52	
		B	03021RNJ	HUAWEI TECH CO.,LTD	