

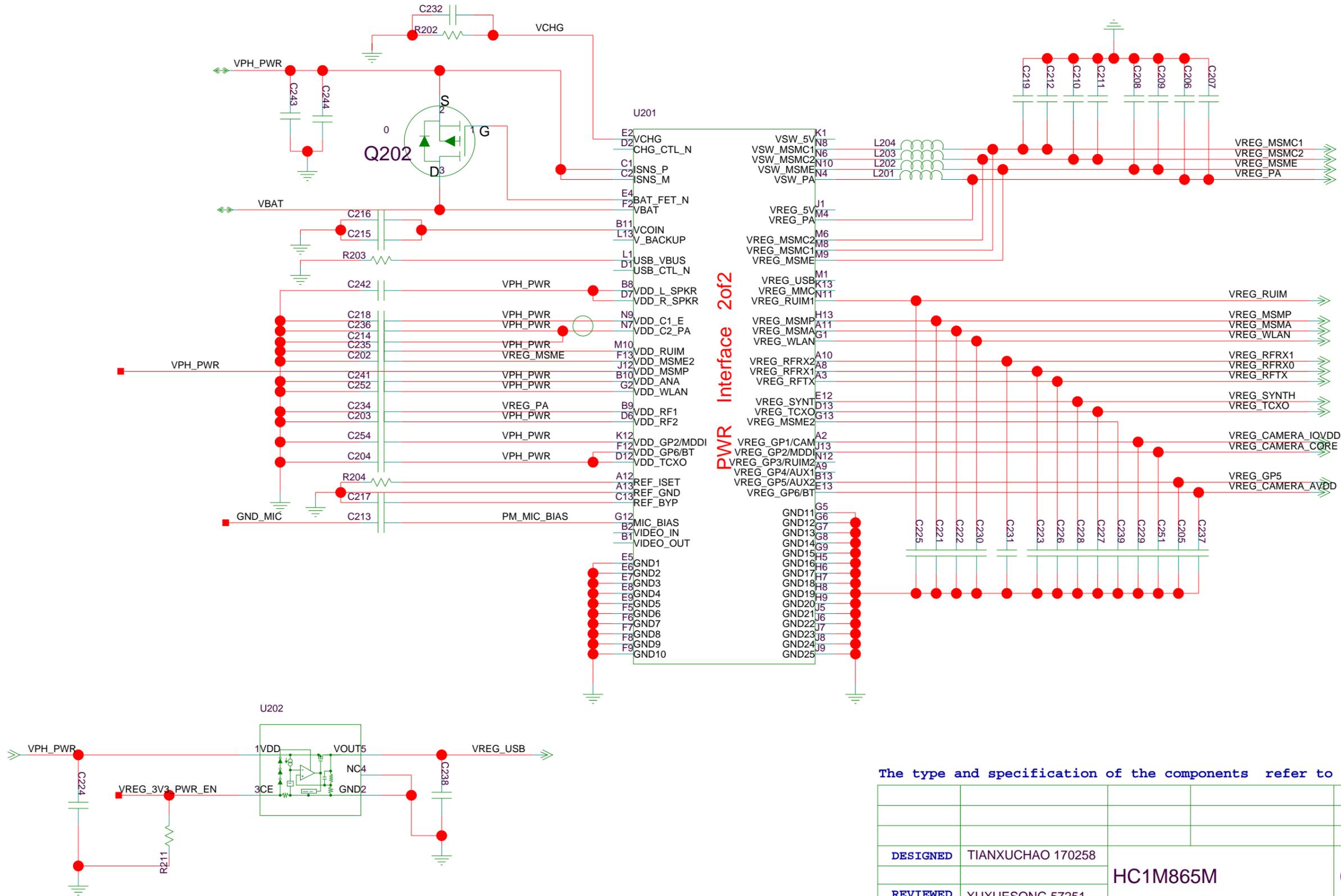
BB SCHEMETIC

1. Contents
2. PM7540 POWER Circuit
3. PM7540 Analog/CFG/CLOCK and RF Interface
4. MSM7627-0 Power Filter
5. MSM7627-0 Analog Circuit and RF interface
6. MCP Circuit
7. MSM7627-0 MCP interface & GND
8. MSM7627-0 GPIO Data UI and Other Interface
9. Audio Part Include MIC/Speaker/Receiver
10. Main Camera and Slave Camera
11. Micro USB I/O,Charging and headphone port.
12. LCD interface On Main Board/LCD backlight driver
13. Keypad
14. Sensors
15. Battery Connector and TF Card Connector
16. SIM/TF card/JTAG and Vabrator
17. FM Circuit
18. Test Points/Grounding/Shields

The type and specification of the components refer to the BOM

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				ECA NO	DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501	
REVIEWED	XUXUESONG 57251				
		VER	PART_NUMBER	SHEET 1 OF 36	
			03021AVC	HUAWEI TECH CO.,LTD.	

2. PM7540 POWER Circuit

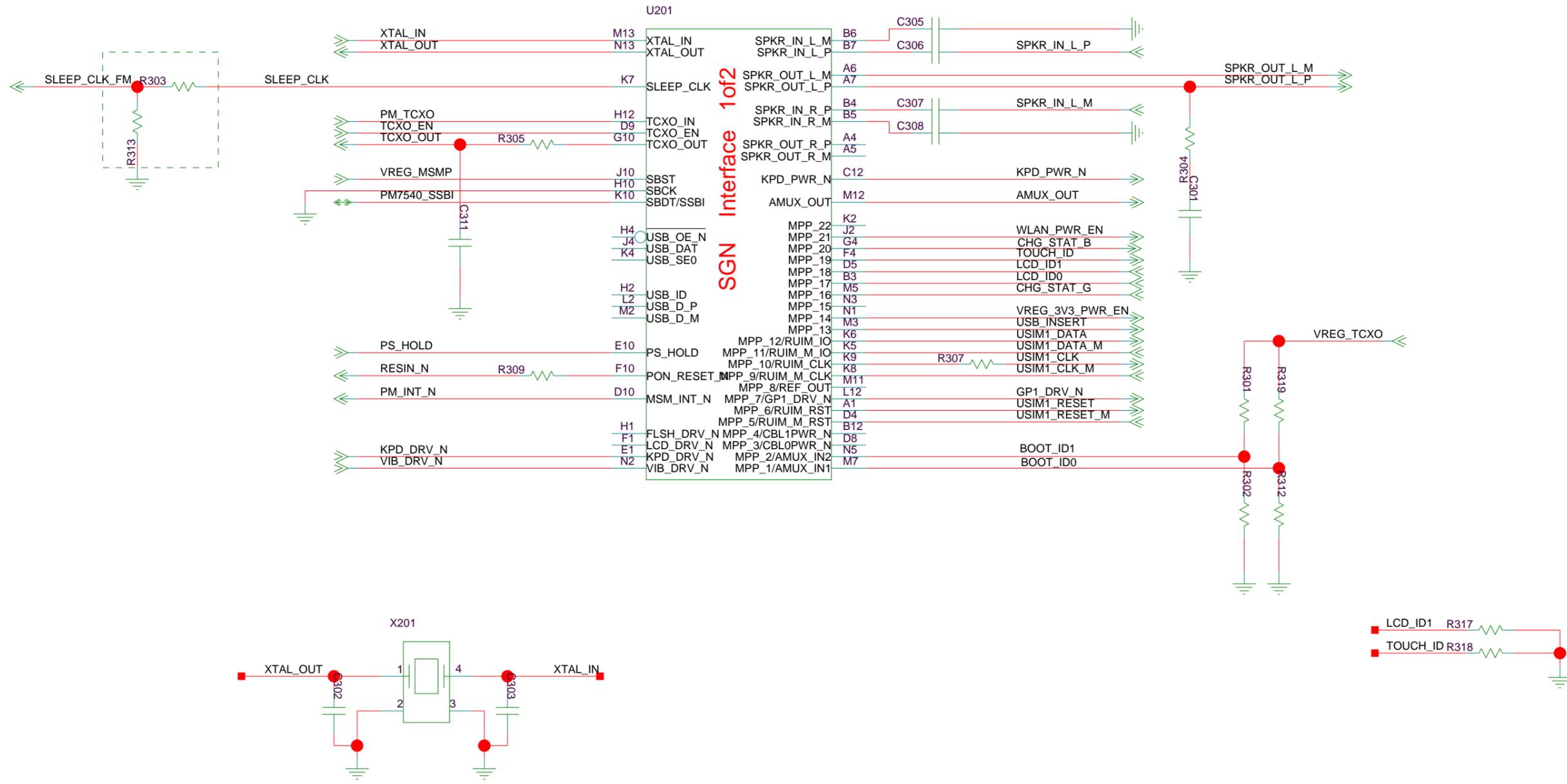


PWR Interface 2of2

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			03021AVC	HUAWEI TECH CO.,LTD.

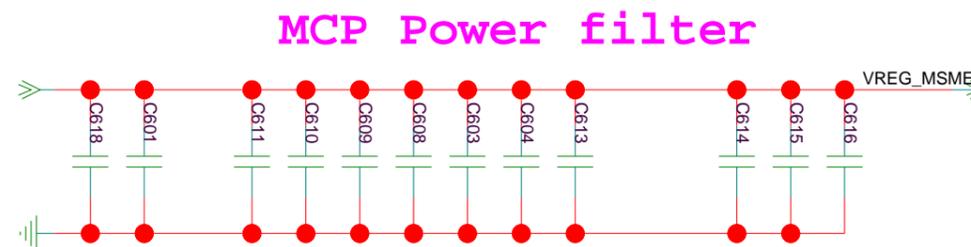
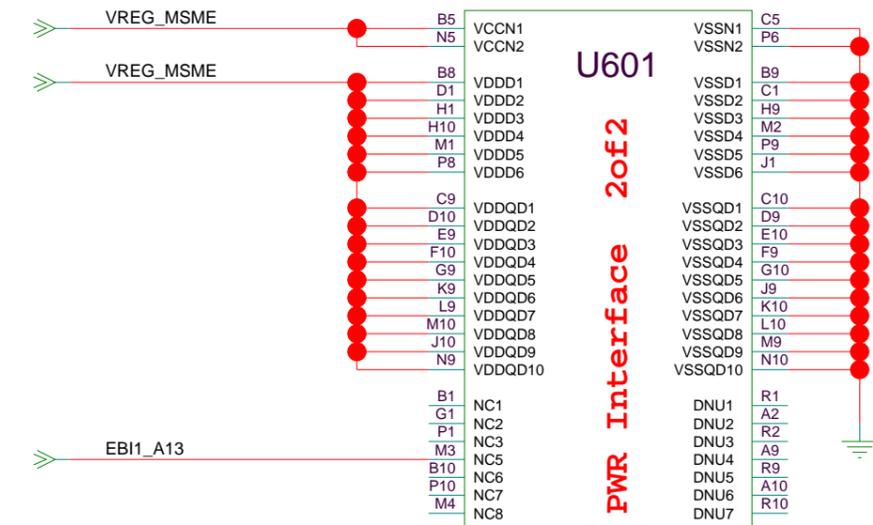
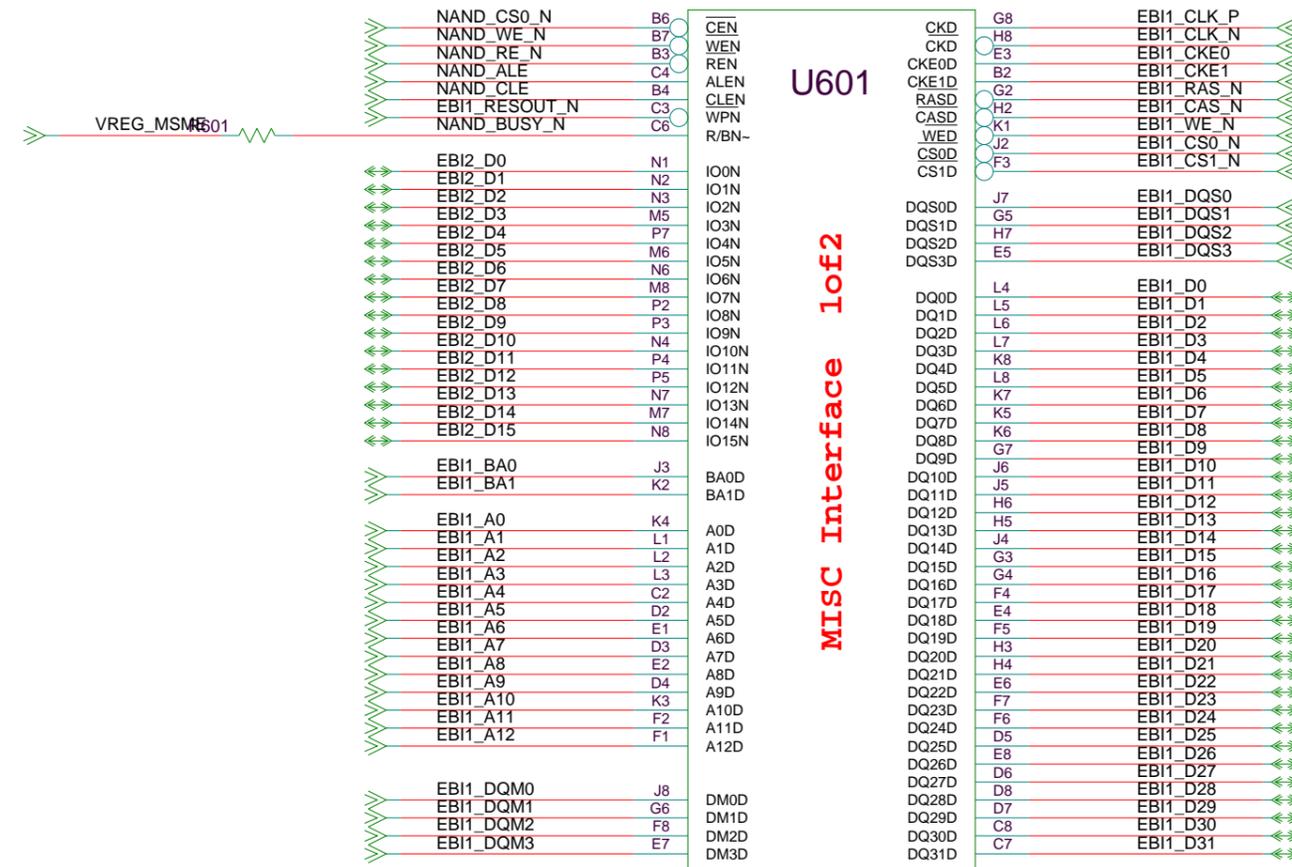
3. PM7540 Analog/CFG/CLOCK and RF Interface



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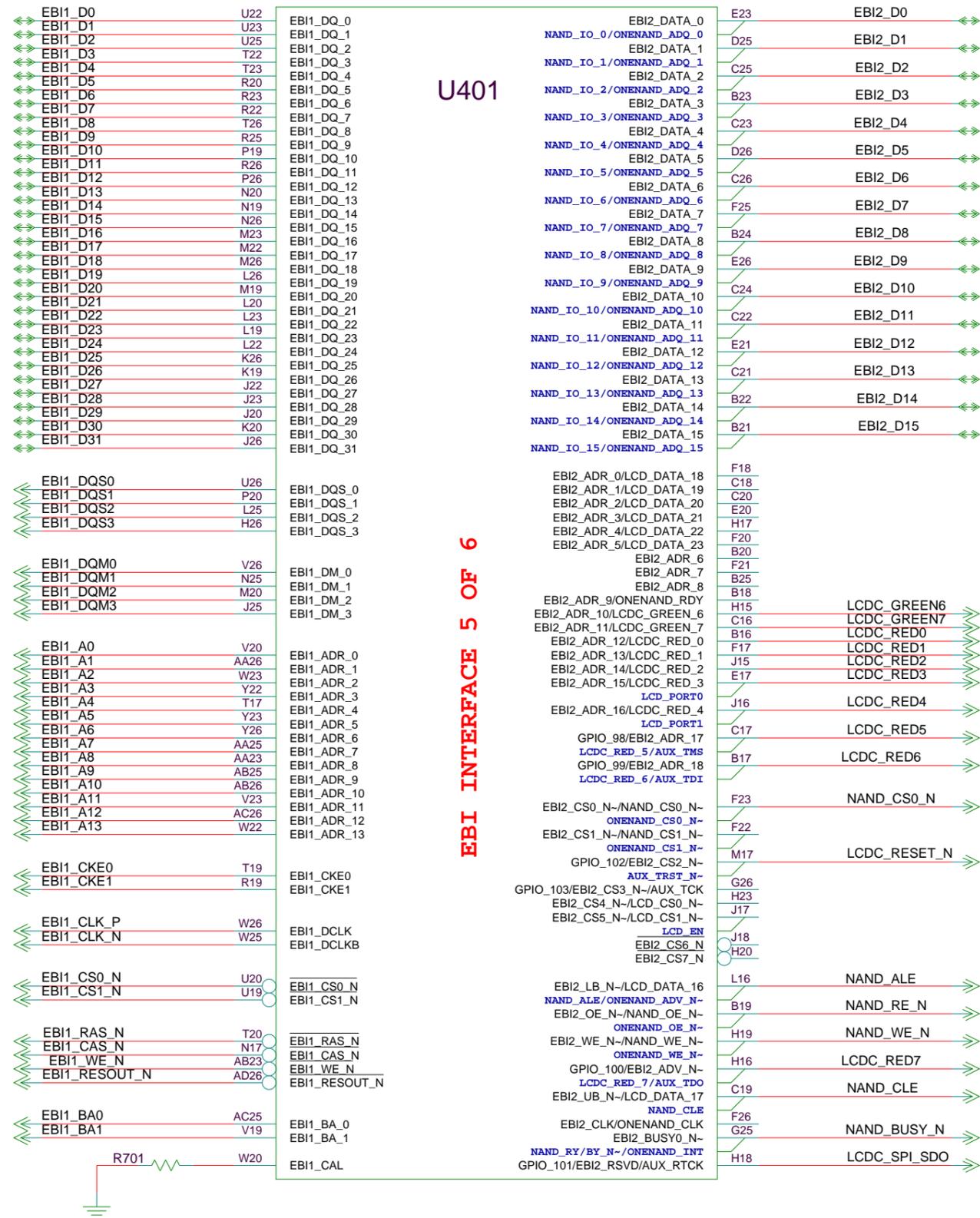
6. MCP Circuit



The type and specification of the components refer to the BOM

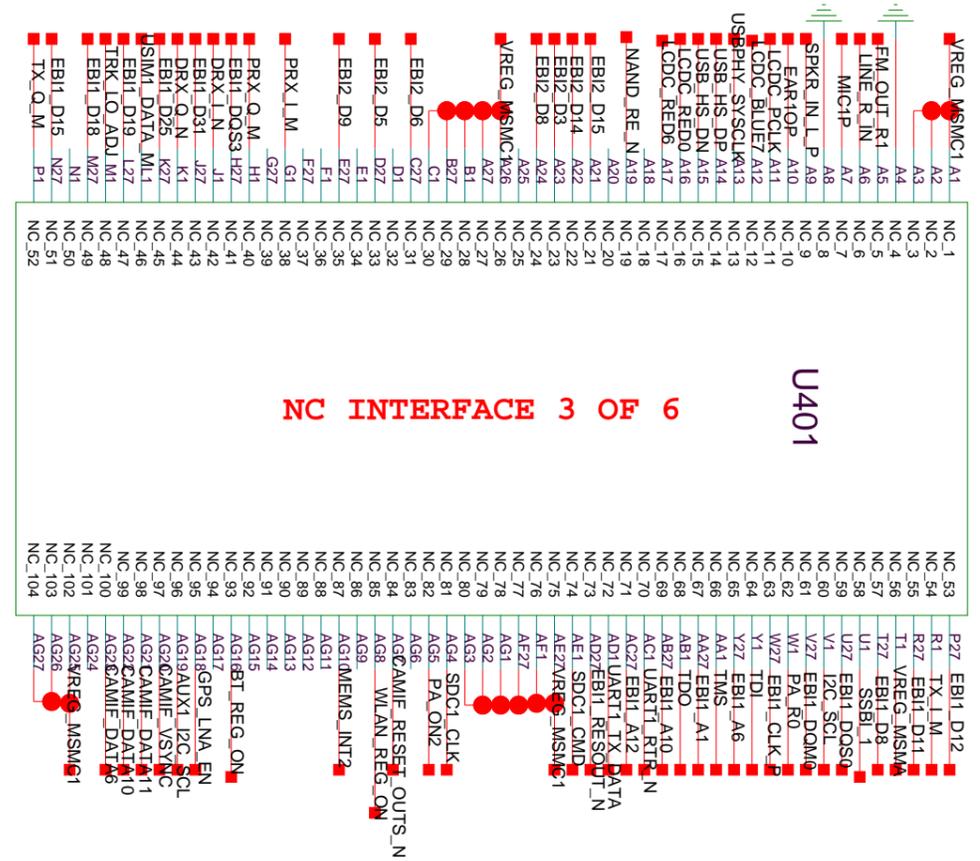
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7. MSM7627-0 MCP interface & GND



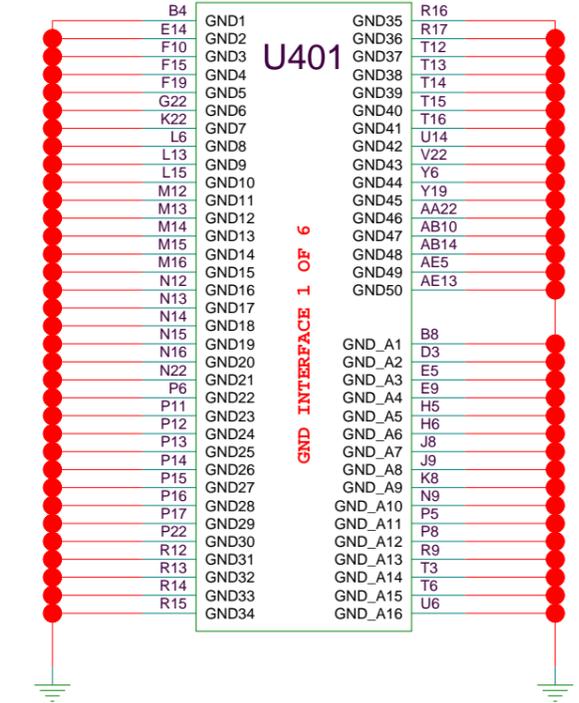
U401

EBI INTERFACE 5 OF 6



NC INTERFACE 3 OF 6

U401



U401

GND INTERFACE 1 OF 6

The type and specification of the components refer to the BOM

DESIGNED	TIANXUCHAO 170258	HC1M865M	00640501	5-9-2011_17:26
REVIEWED	XUXUESONG 57251	VER	PART_NUMBER	DATE
		03021AVC	SHEET 7 OF 36	
			HUAWEI TECH CO.,LTD.	

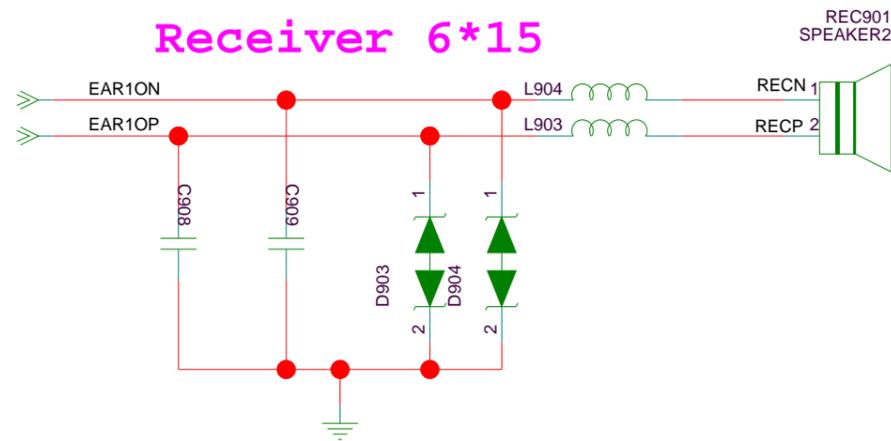
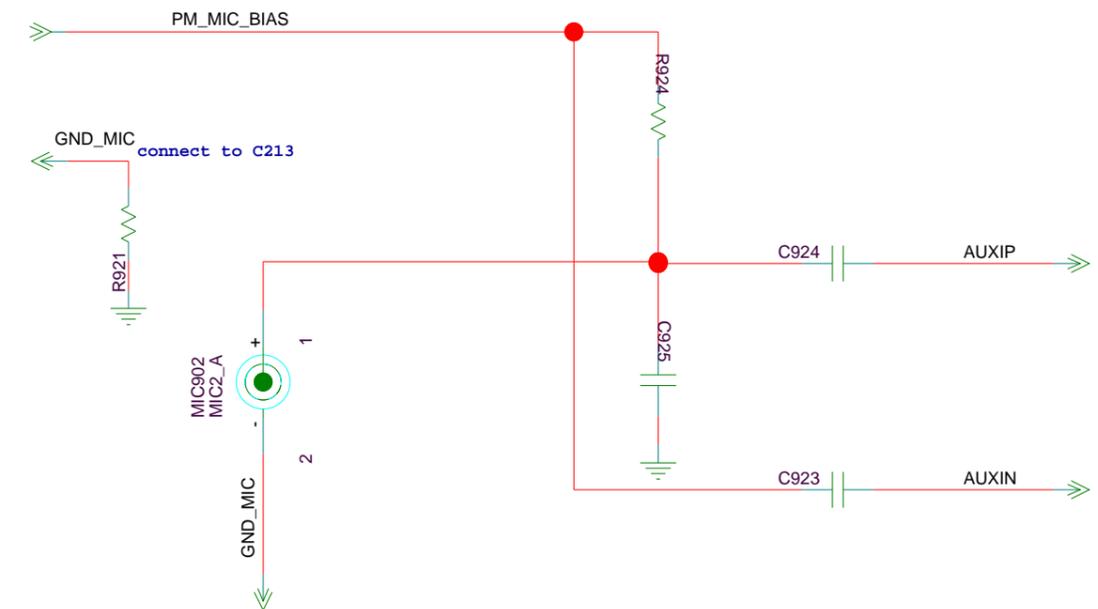
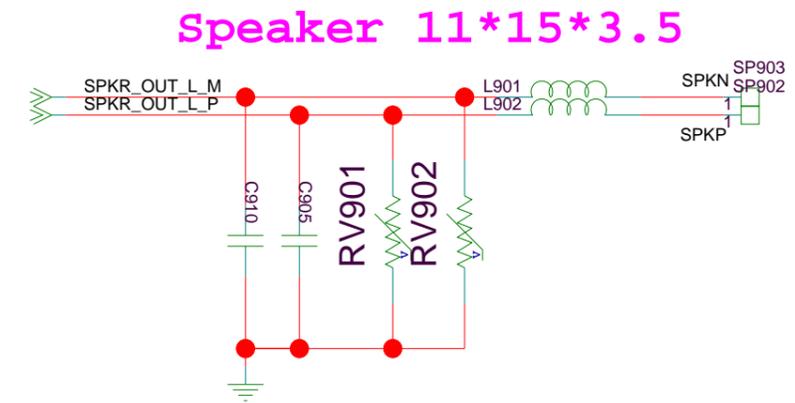
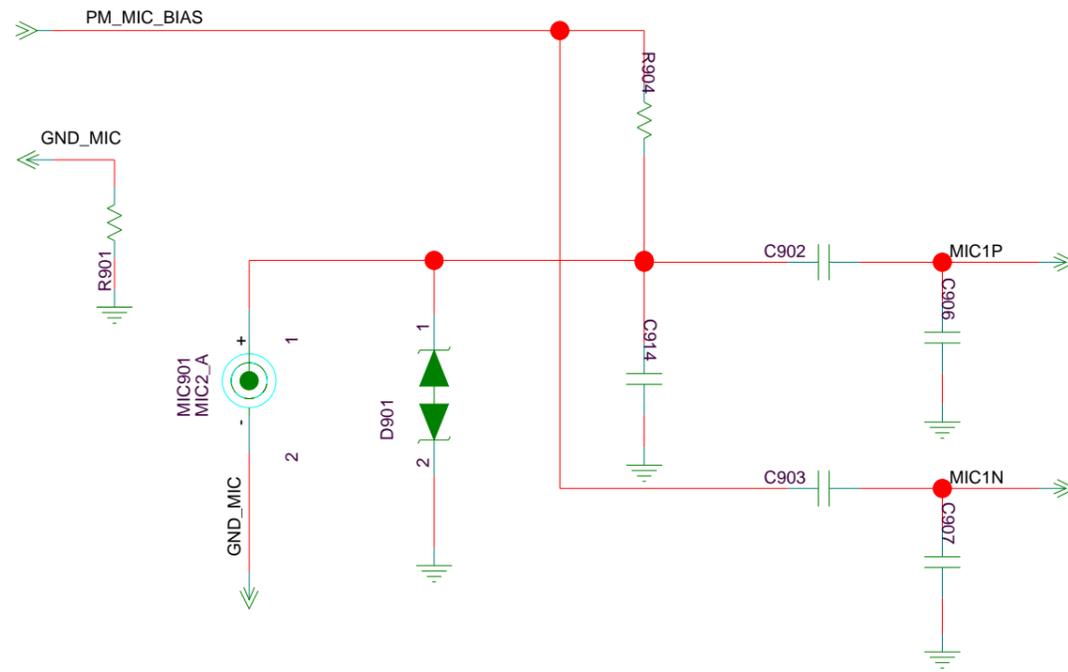
8. MSM7627-0 GPIO Data UI and Other Interface



The type and specification of the components refer to the BOM

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			03021AVC	HUAWEI TECH CO.,LTD.

9. Audio Part Include MIC/Speaker/Receiver

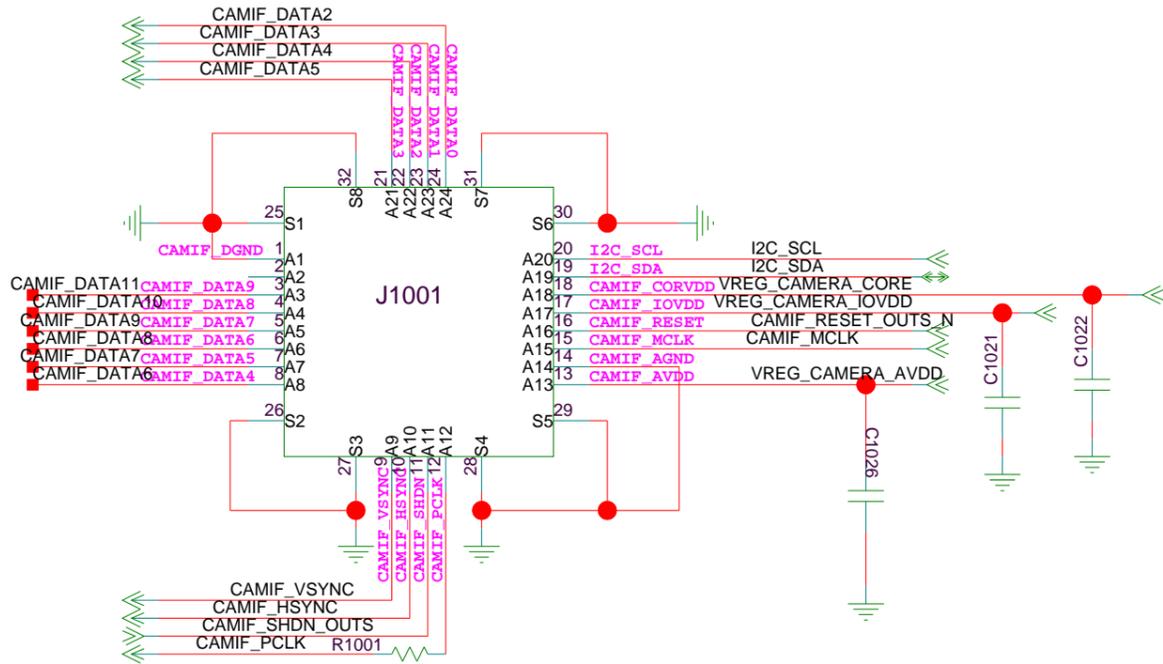


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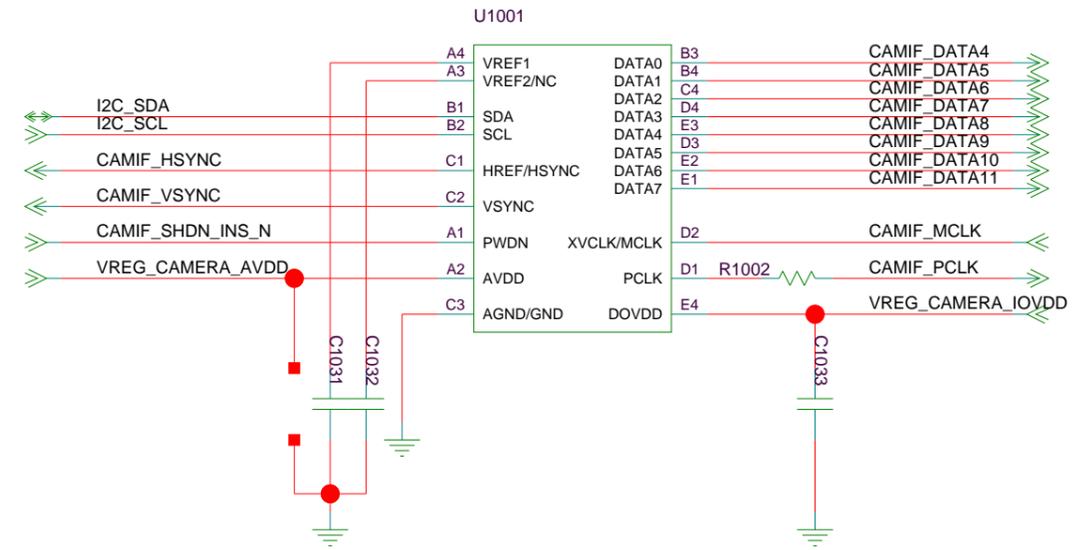
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10. Main Camera

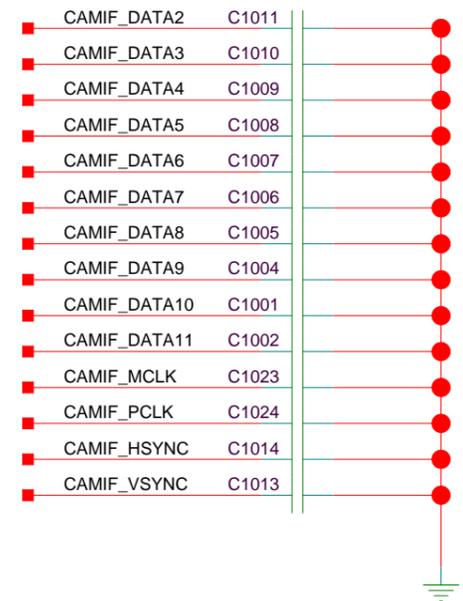
MAIN CAMERA 3MFF



SLAVE CAMERA



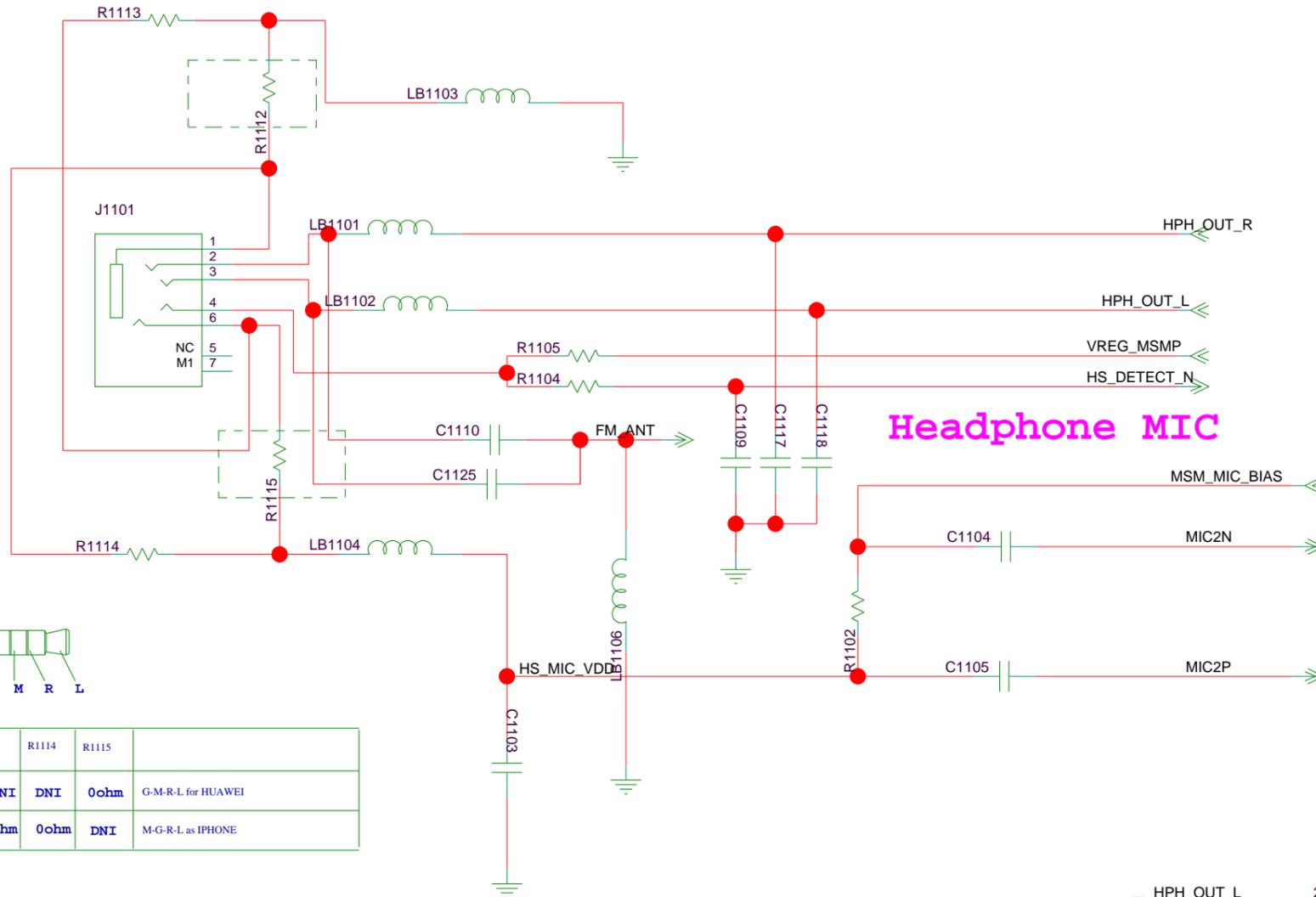
CAMERA EMI filter



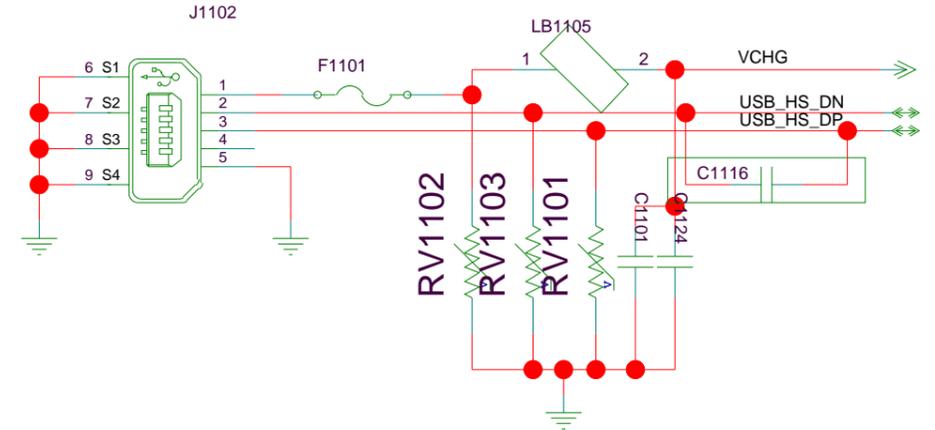
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			03021AVC	HUAWEI TECH CO.,LTD.

11. Micro USB, Charging and 3.5 Headphone port.

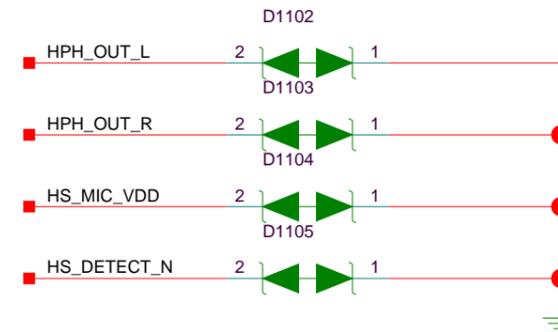


Micro USB Connector

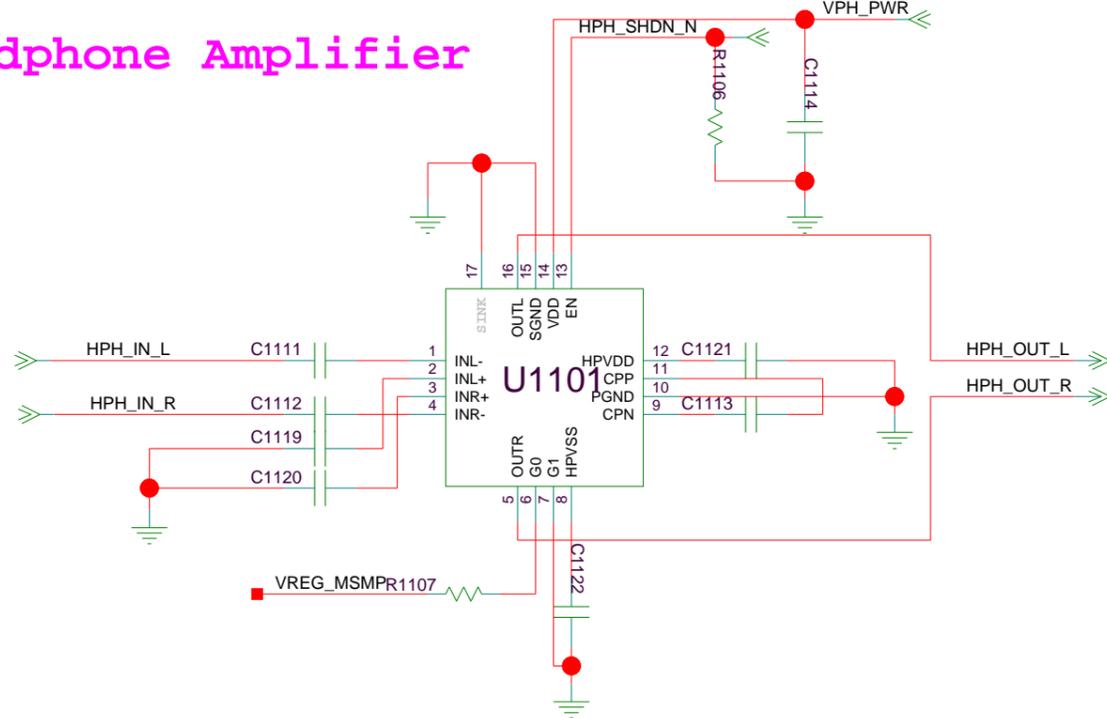


Headphone MIC

HPH ESD Protect



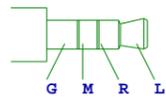
Stereo Headphone Amplifier



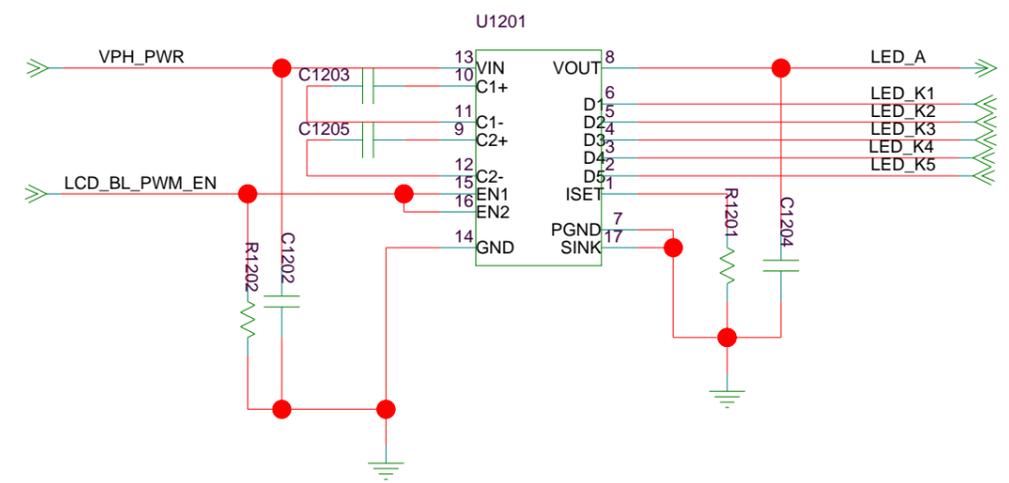
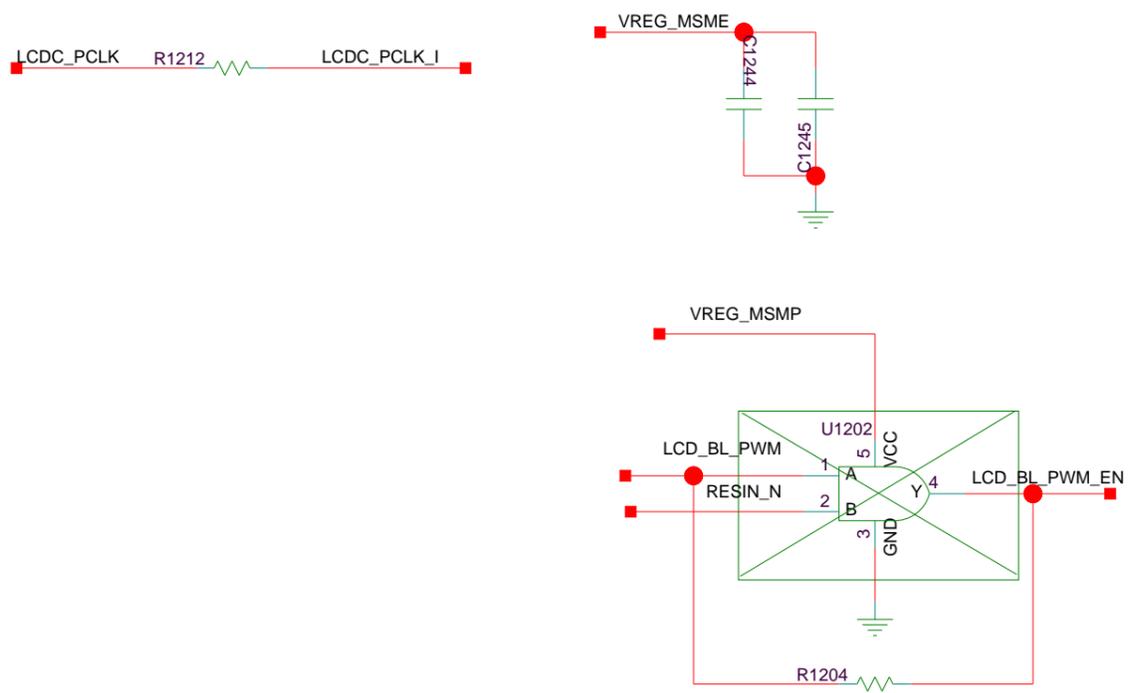
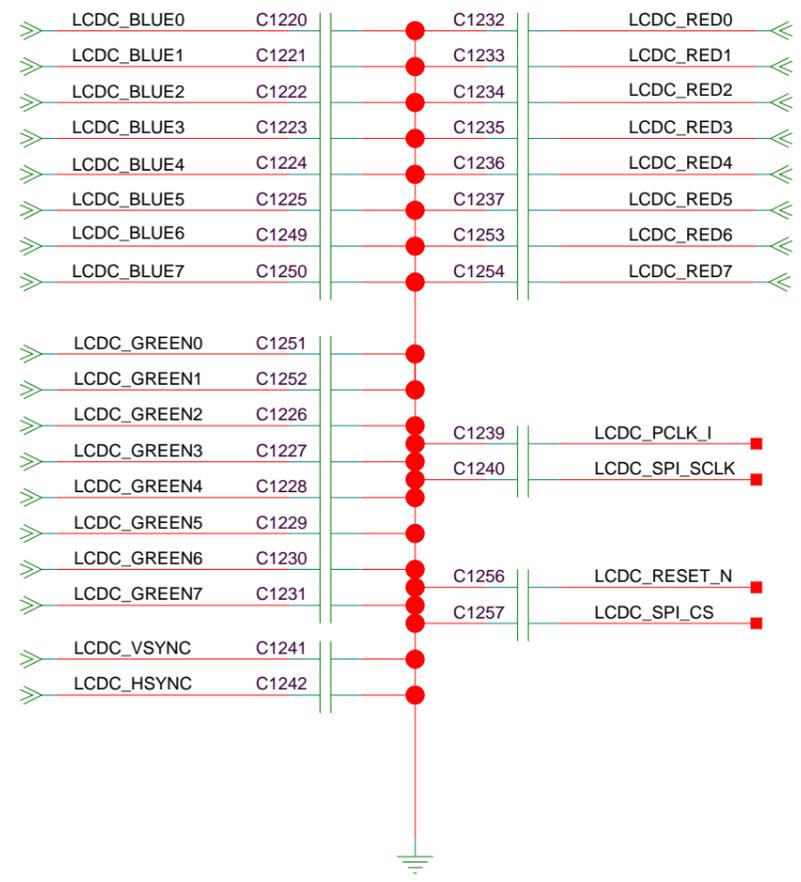
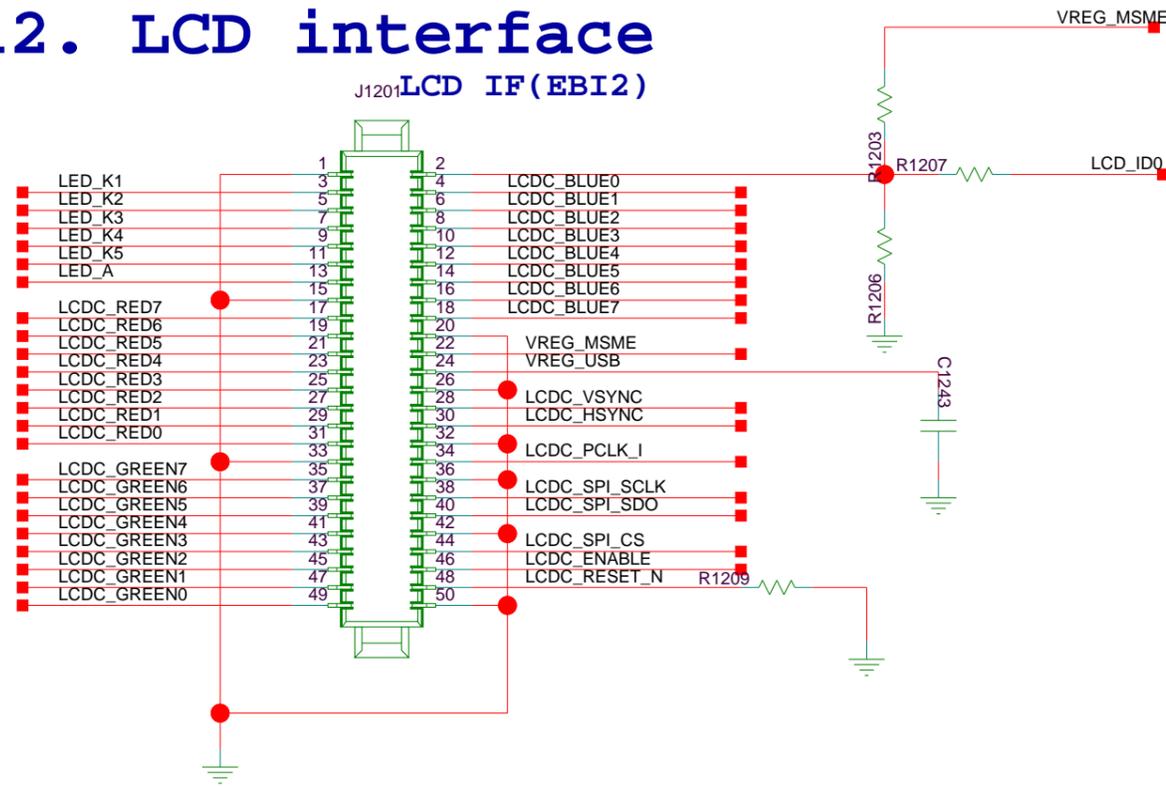
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REVIEWED	XUXUESONG 57251			
		VER	PART_NUMBER	SHEET 11 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

R1112	R1113	R1114	R1115	
0ohm	DNI	DNI	0ohm	G-M-R-L for HUAWEI
DNI	0ohm	0ohm	DNI	M-G-R-L as IPHONE



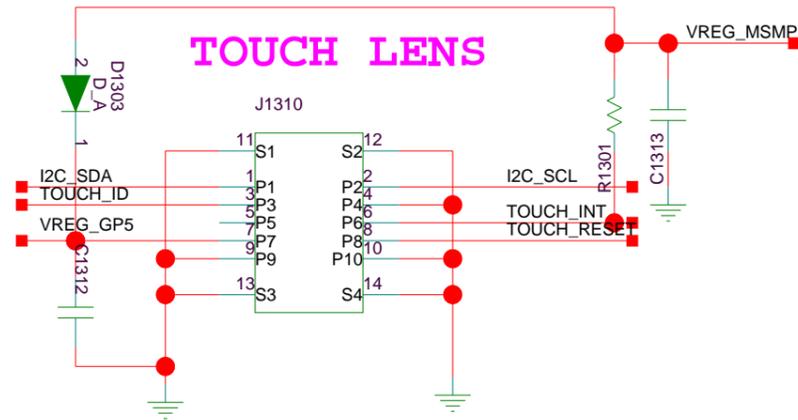
12. LCD interface



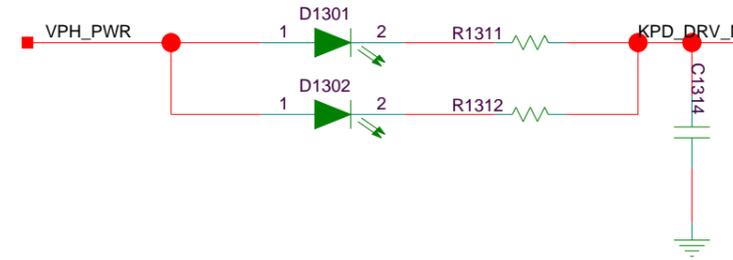
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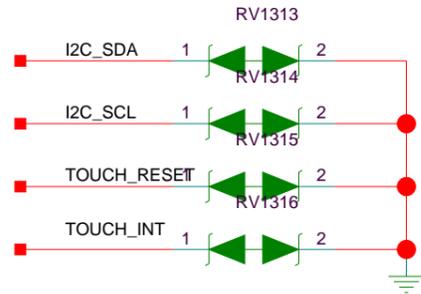
13. Keypad & Touch Lens Interface



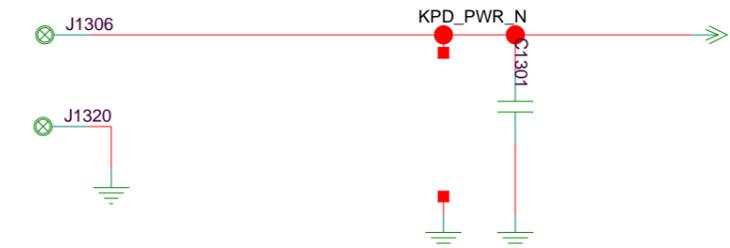
TOUCH KEY



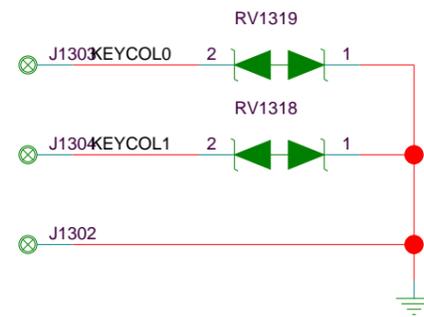
TP ESD Protect near BTB



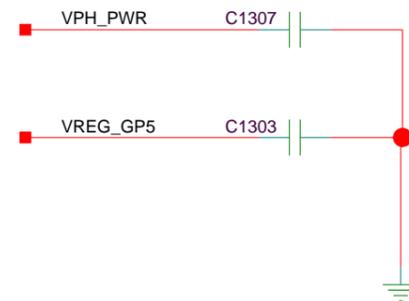
Power ON key



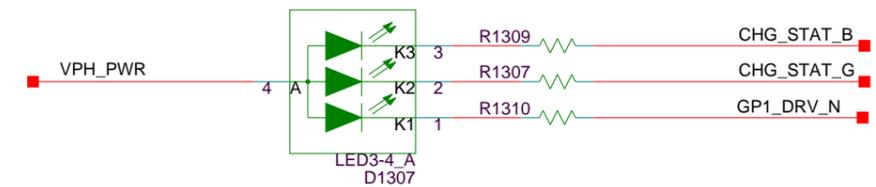
Vol+/Vol- key



EMI filter



CHARGE INDICATE



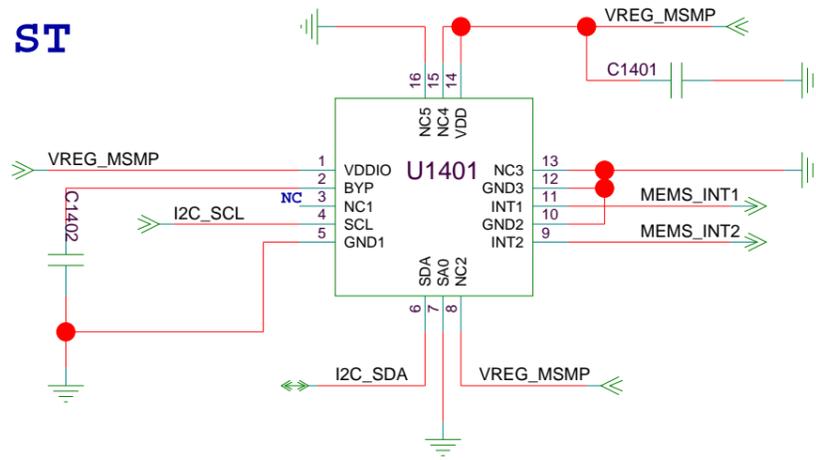
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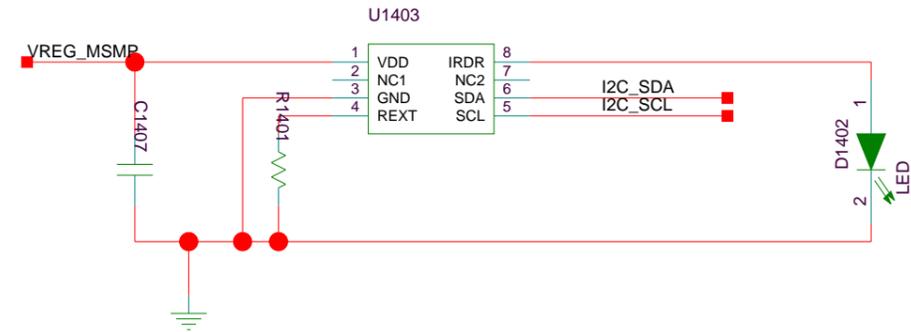
14. Accelerometer&Compass

Accelerometer

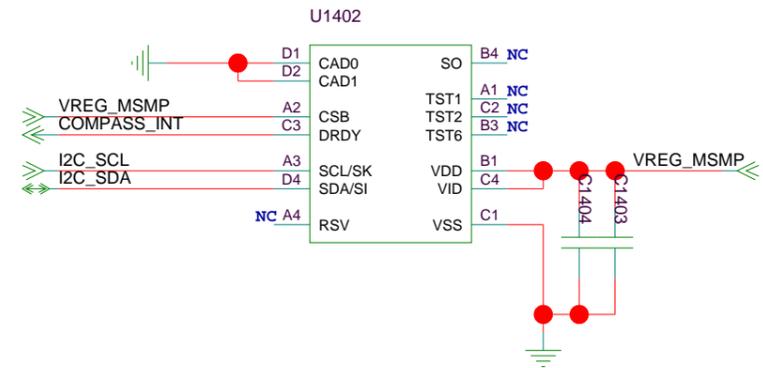
ST



Proximity



Compass

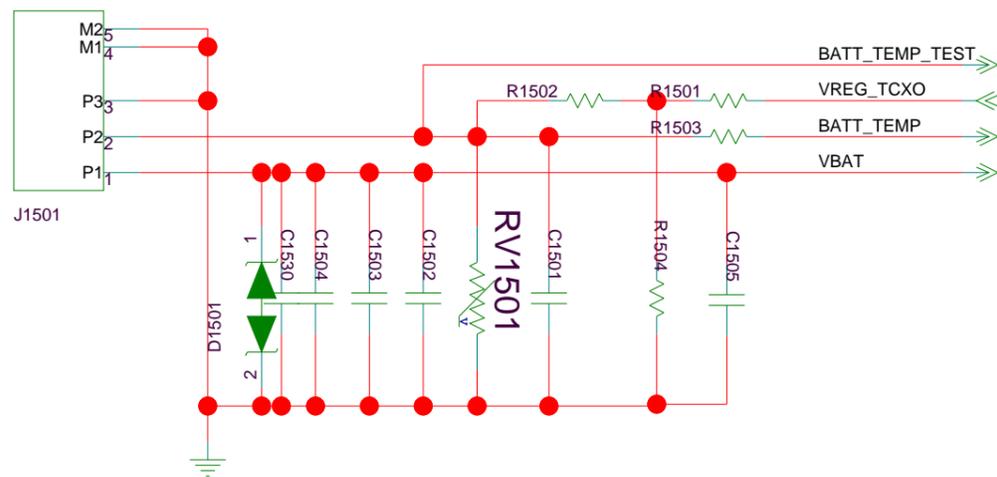


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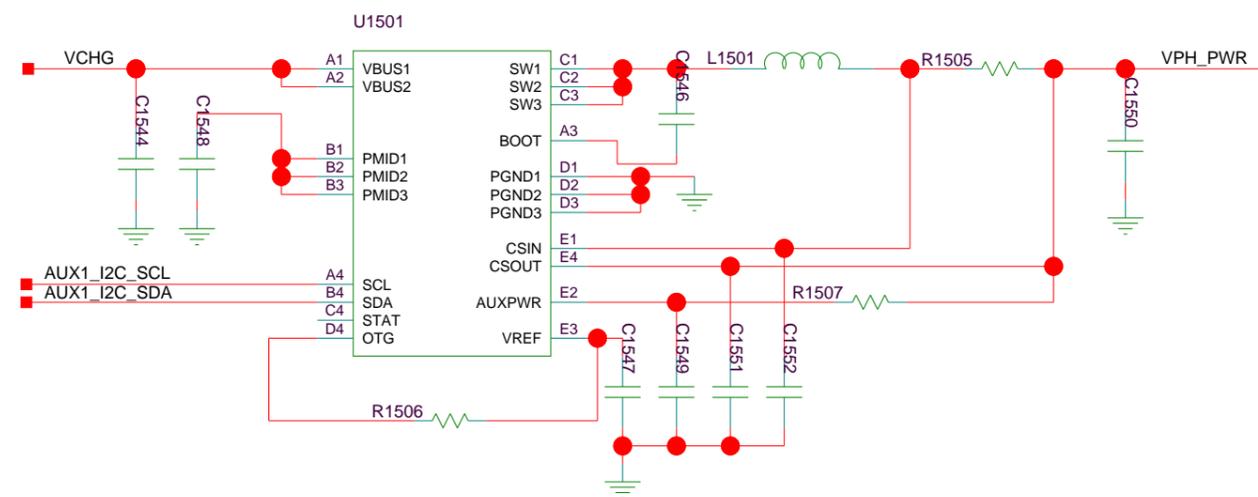
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			03030001	HUAWEI TECH CO.,LTD.

15. Battery Connector

Battery Connector



CHG

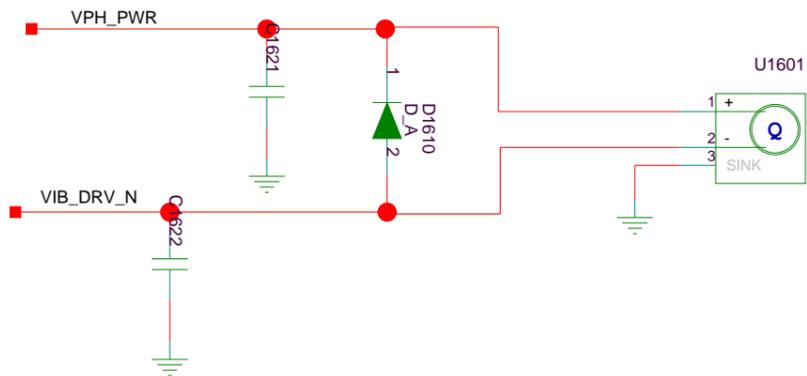
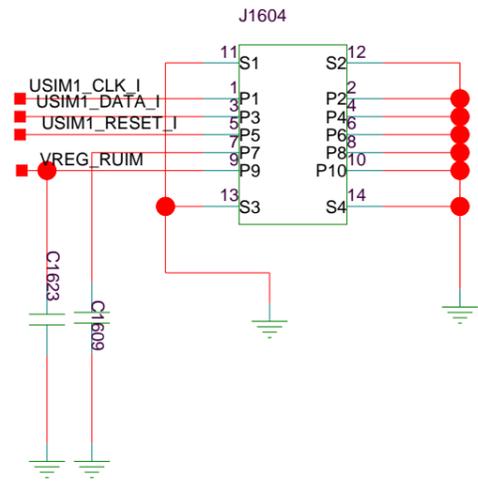
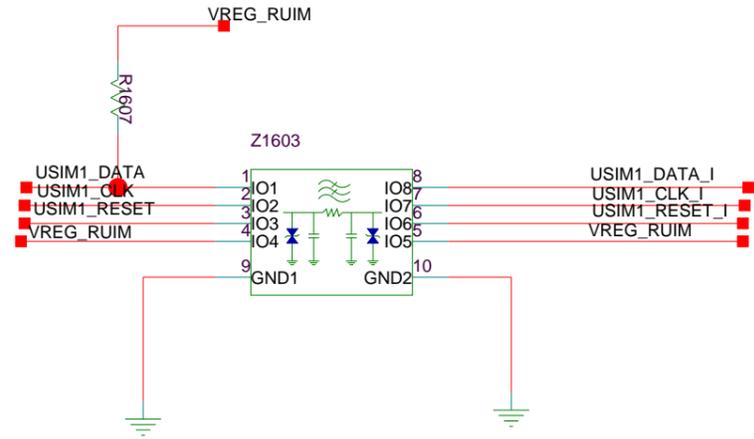


The type and specification of the components refer to the BOM

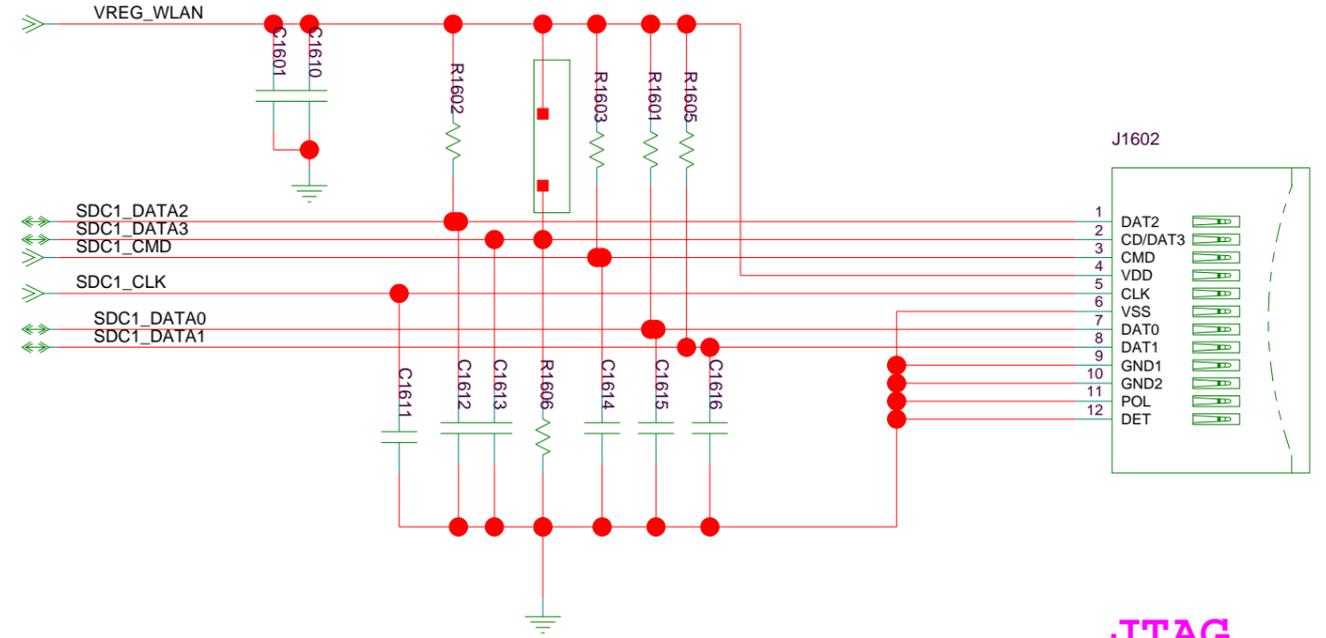
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16. SIM/TF card/JTAG

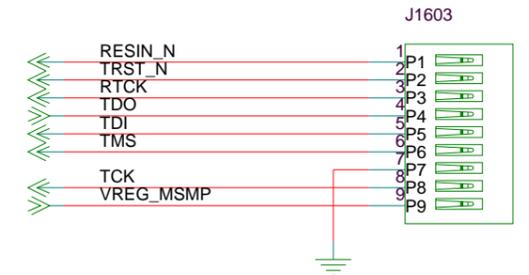
SIM Card



TF Card



JTAG



The type and specification of the components refer to the BOM

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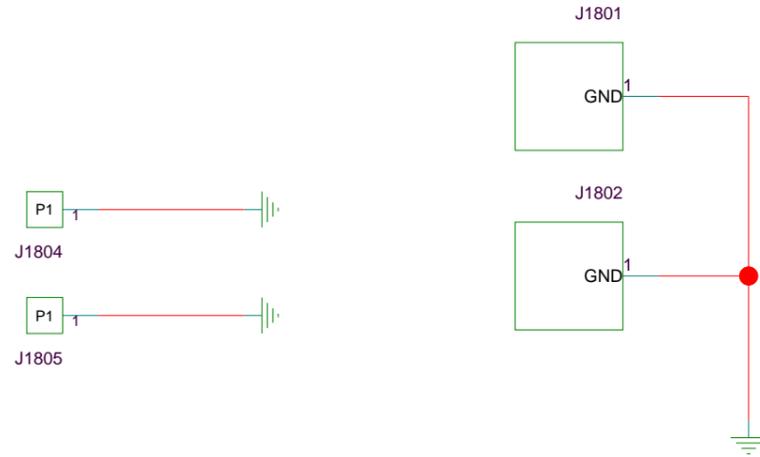
17. FM Circuit

The type and specification of the components refer to the BOM

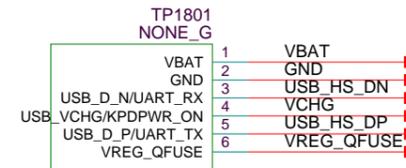
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18. Test Points/Grounding/Shields

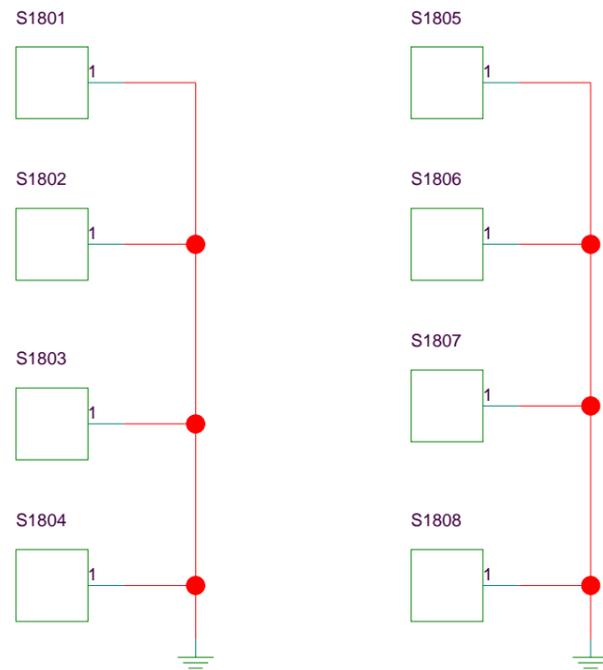
GND Connection



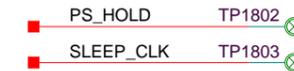
TEST POINT for CT and BT



SHIELD BOX



TEST POINT for debug



The type and specification of the components refer to the BOM

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A

A

B

B

C

C

D

D

The type and specification of the components refer to the BOM

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2

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5

6

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2

3

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NC

A

A

B

B

C

C

D

D

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RF INPUT OUTPUT PORTS

1 RF INPUT OUTPUT PORTS

2 19.2MHz VCTCXO

3 PRX AND DRX CIRCUIT

4 TX CELL DUPLEXER & PA

5 TX PCS DUPLEXER & PA

6 TX AWS DUPLEXER & PA

7 GPS FRONT-END

8 RTR6500

9 RTR6500 POWER DISTRIBUTION

10 RX HX INTERSTAGE SAW FILTER

11 RX INTERSTAGE SAW FILTER

12 WIFI BCM4319

13 WIFI & BT ANT AND CONTROL

14 BT

15 CDMA RX DIVERSITY

16 CDMA RX DIVERSITY

For CDMA PA Control



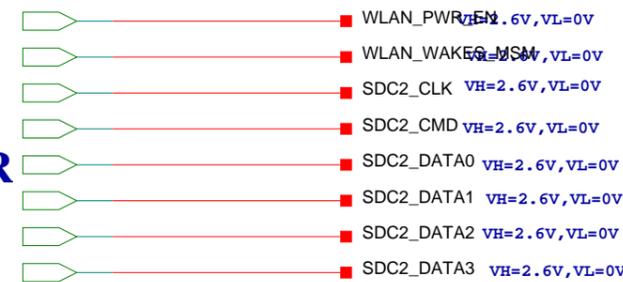
For RTR6500 Control



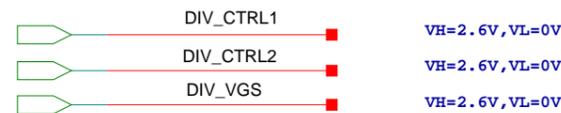
TX IQ Input



For WLAN Control



For Antenna Switch Control



SBI Control Line



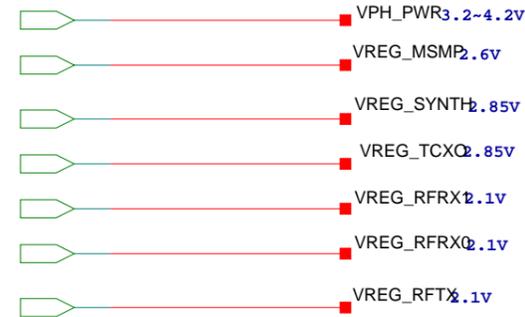
For GPS Control



For VCTCXO Control



Power Supply For RF



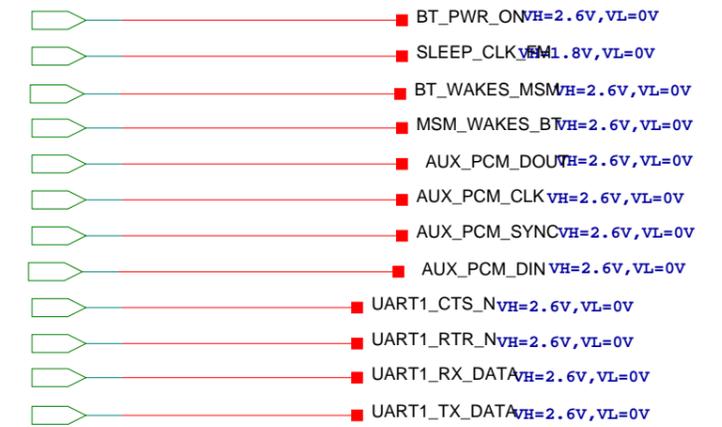
RX IQ Output



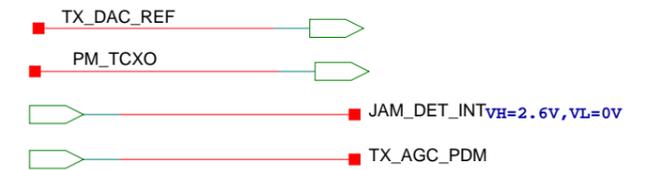
GPS RX IQ Output



For BT



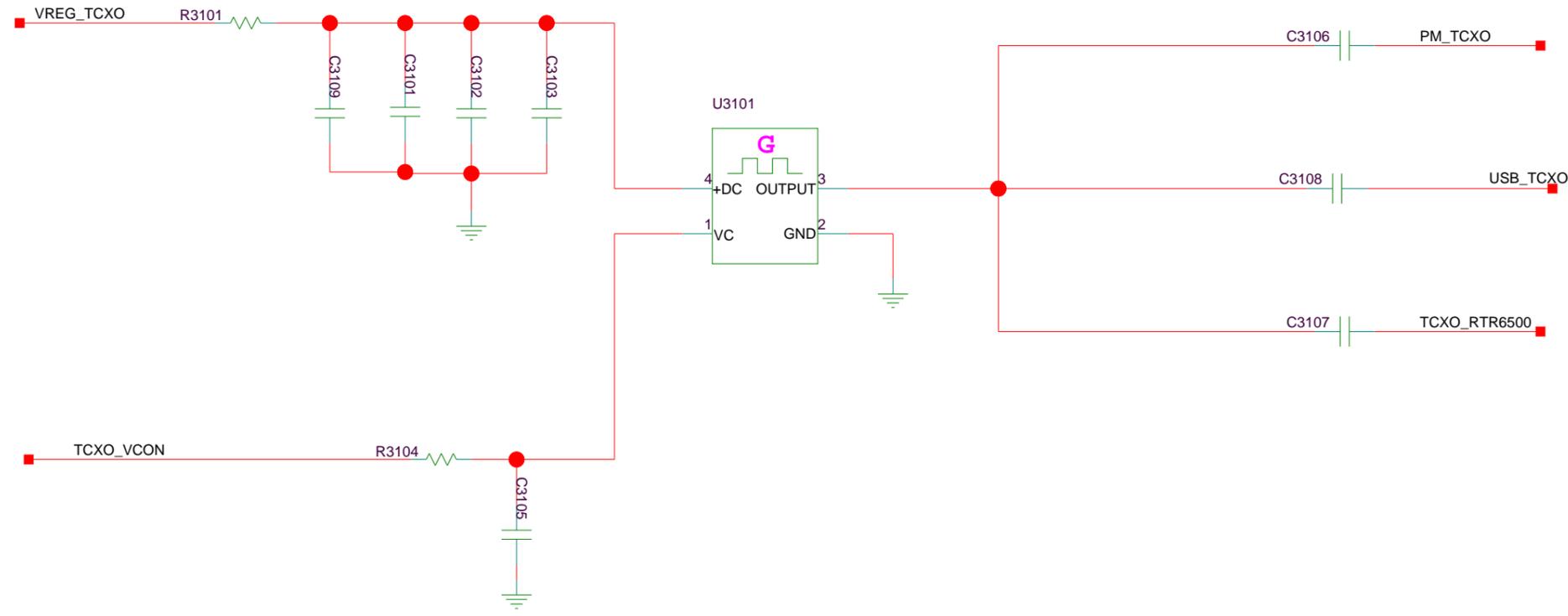
Other Control Line



The type and specification of the components refer to the BOM

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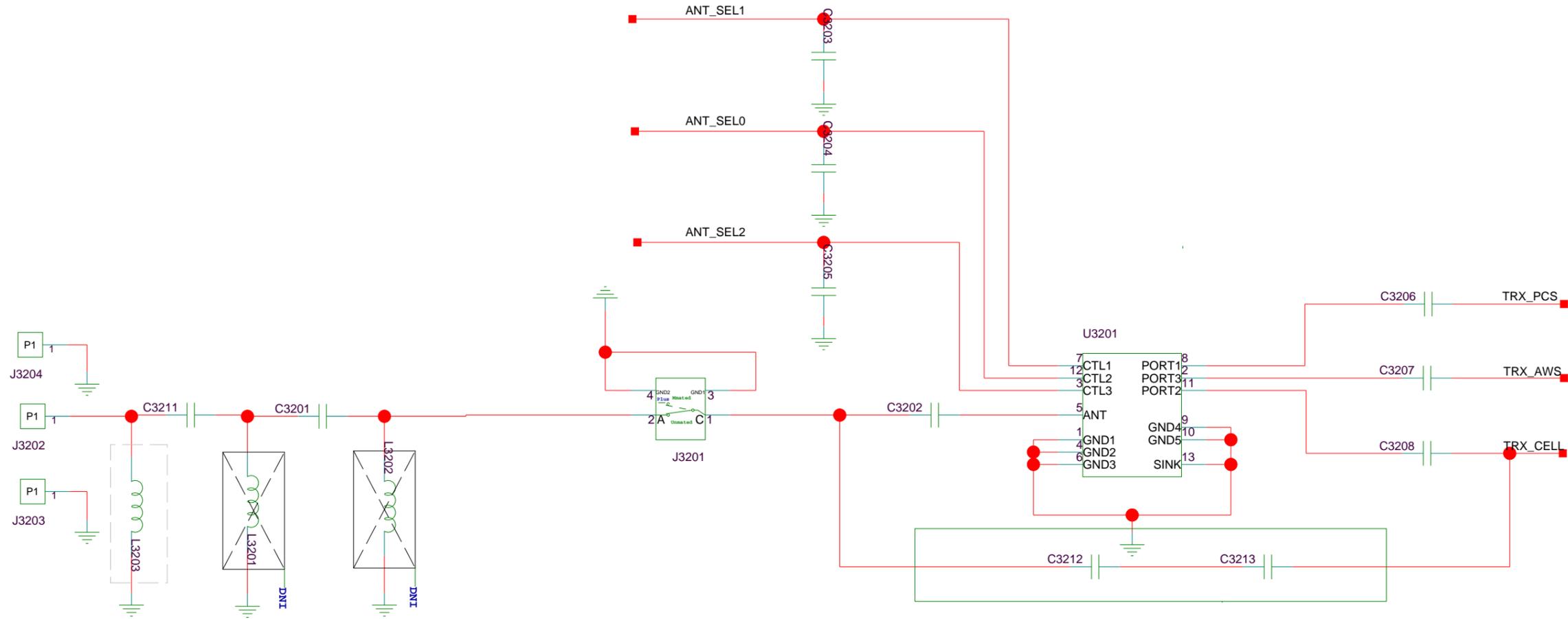
22.19.2MHz VCTCXO



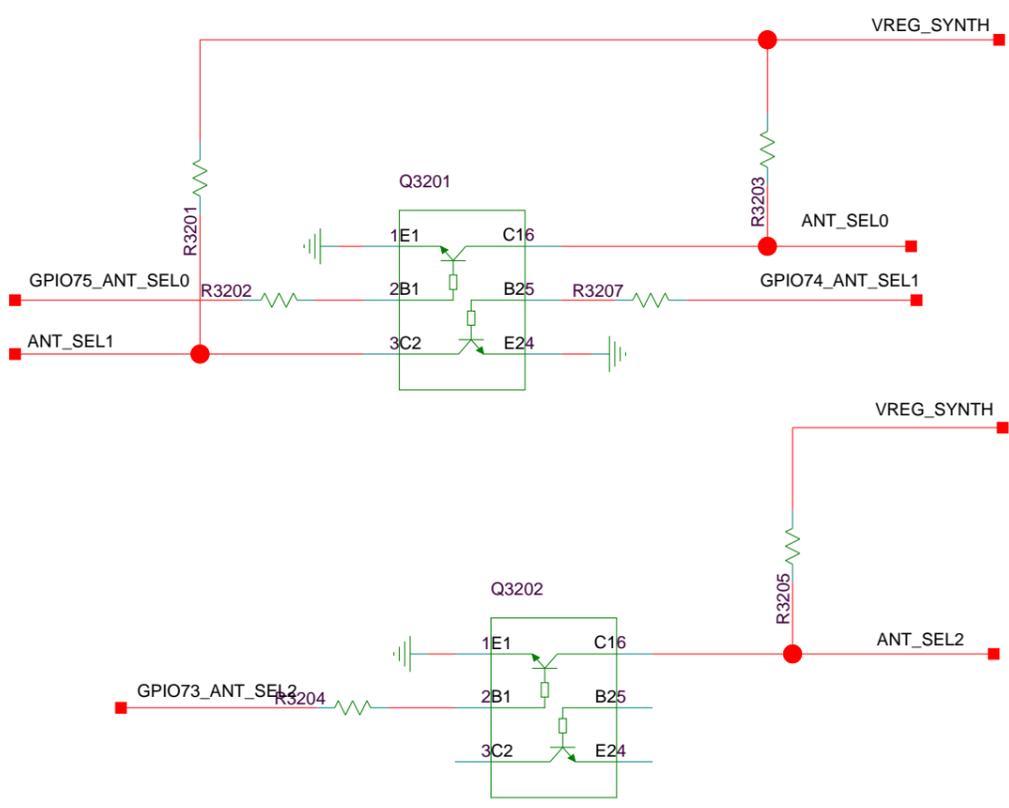
The type and specification of the components refer to the BOM

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REVIEWED	XUXUESONG 57251			
		VER	PART_NUMBER	SHEET 22 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

23.PRX CIRCUIT



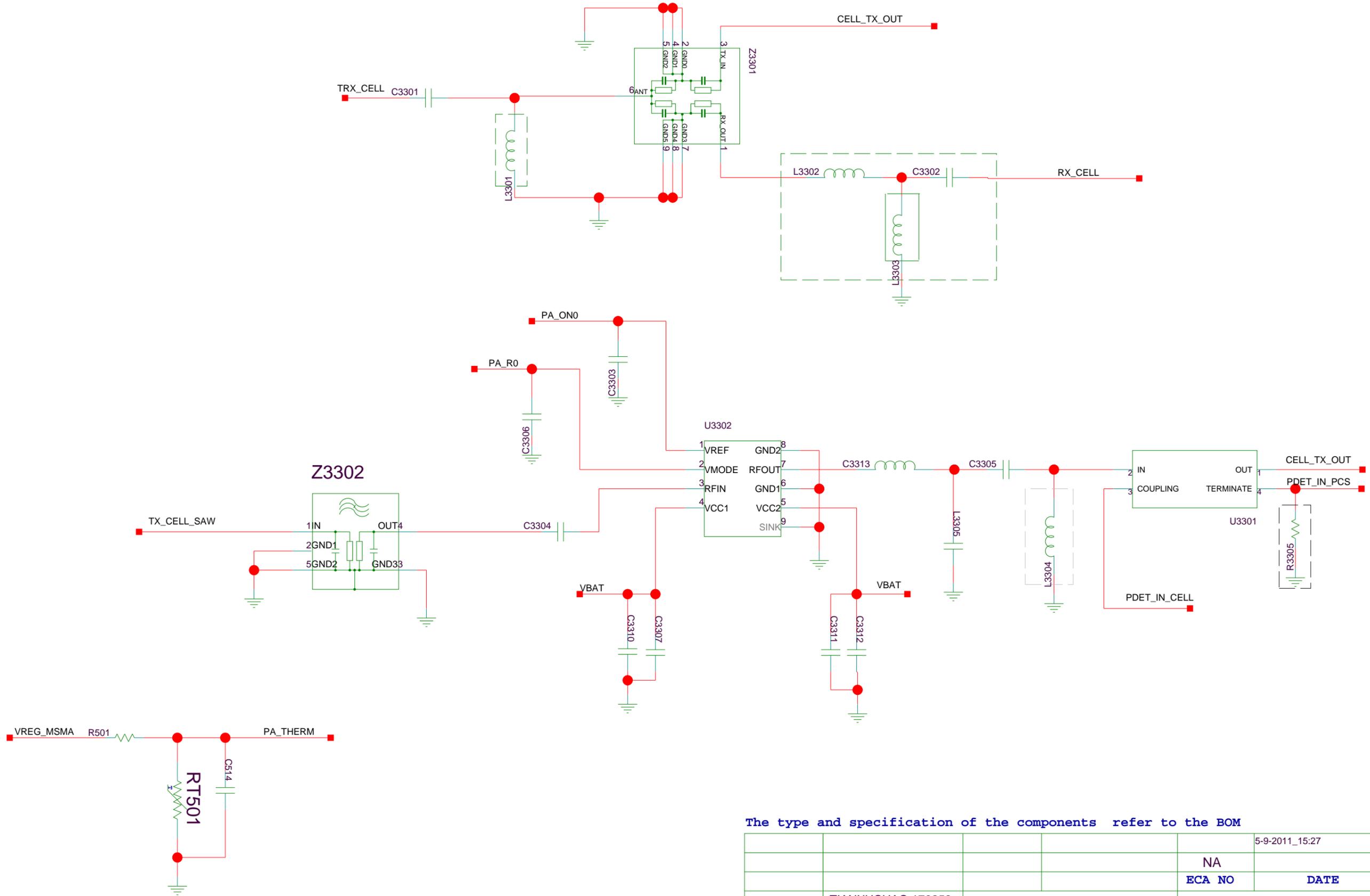
PATH	MODE	ANT_SEL2	ANT_SEL1	ANT_SEL0
ANT-PORT2	CELL TRX	L	L	H
ANT-PORT1	PCS TRX	L	H	L
ANT-PORT3	AWS TRX	H	L	L



The type and specification of the components refer to the BOM

				5-9-2011_15:26
			NA	
			ECA NO	DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501
REVIEWED	XUXUESONG 57251			
		VER	PART_NUMBER	SHEET 23 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

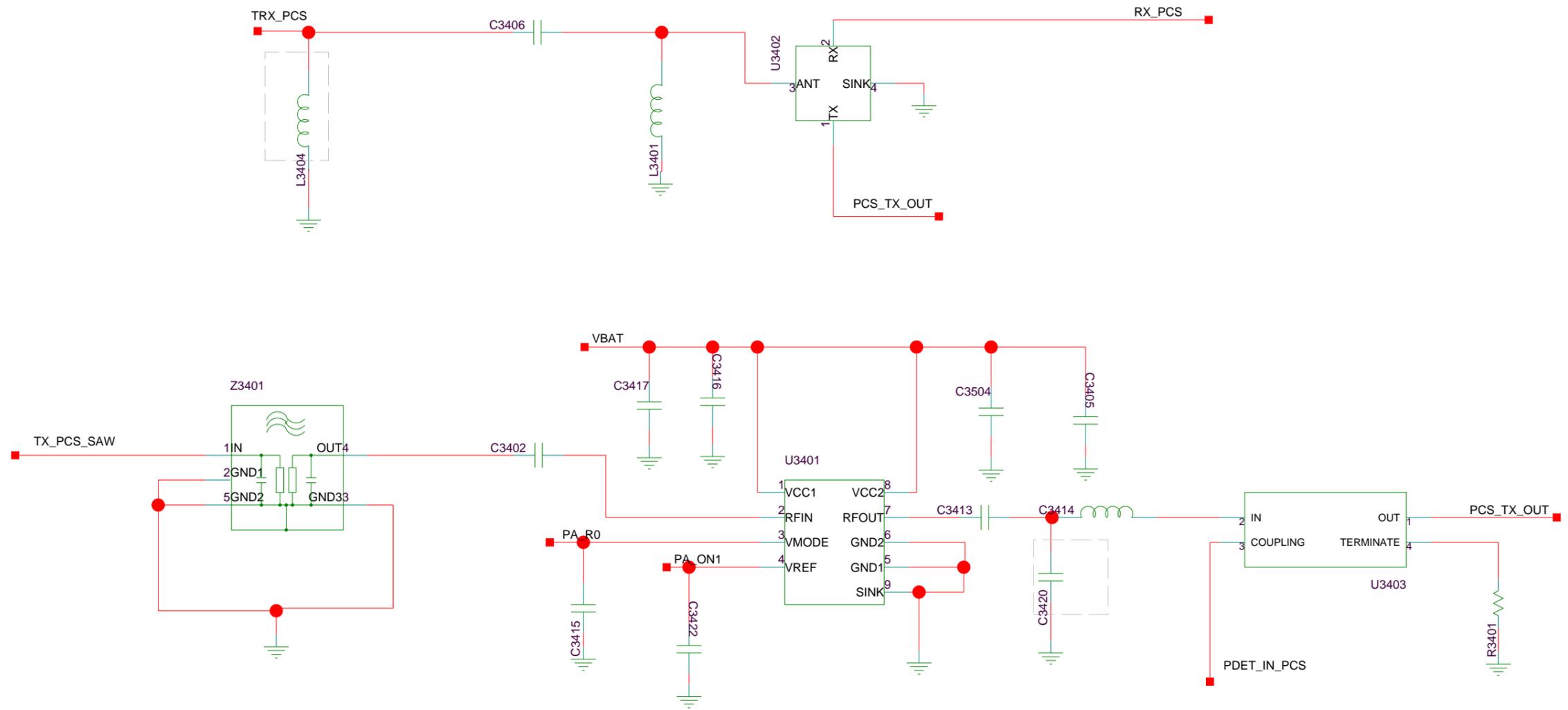
24.TX CELL DUPLEXER & PA



The type and specification of the components refer to the BOM

				5-9-2011_15:27
			NA	
			ECA NO	DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501
REVIEWED	XUXUESONG 57251	VER	PART_NUMBER	SHEET 24 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

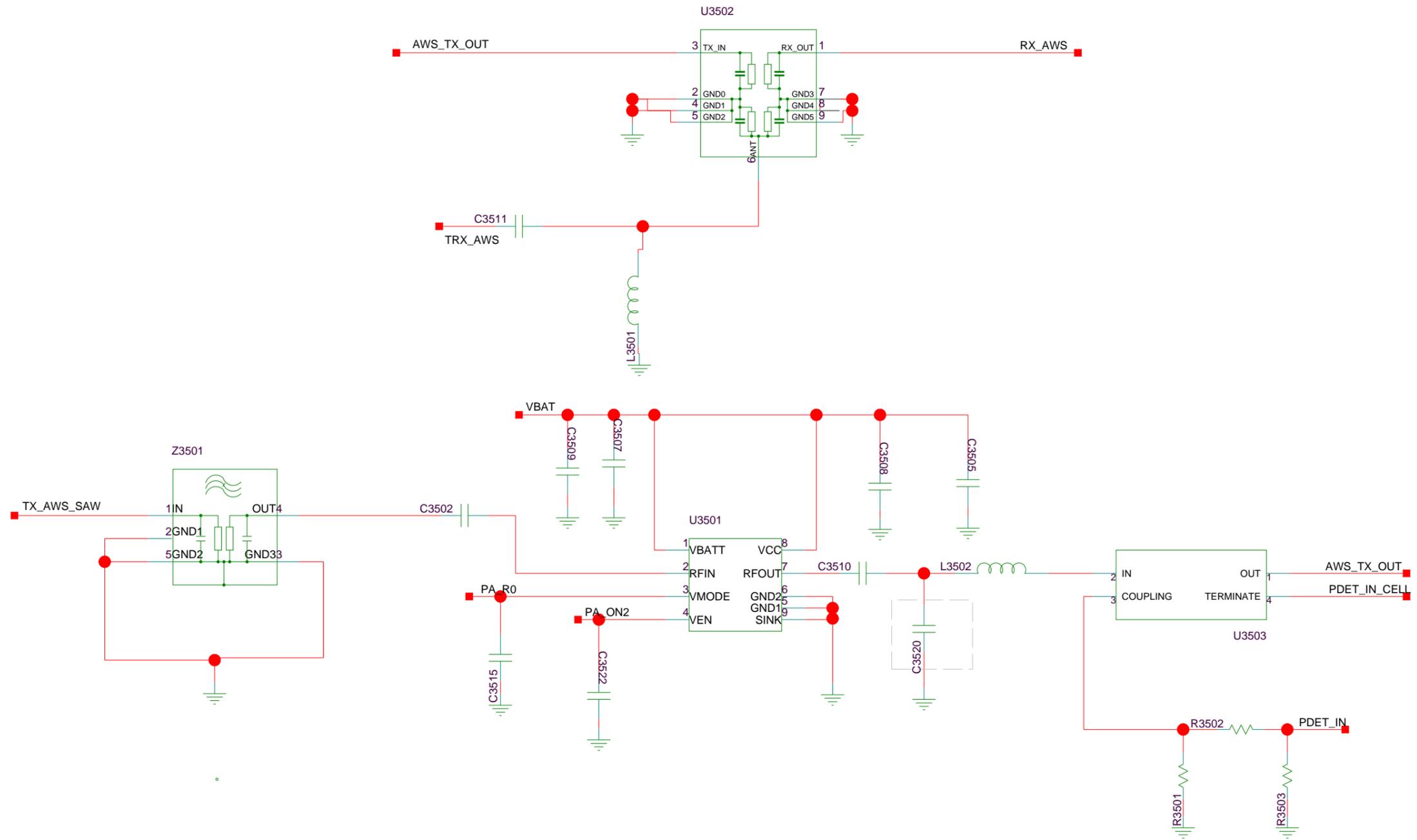
25.TX PCS DUPLEXER & PA



The type and specification of the components refer to the BOM

				5-4-2011_15:32
				NA
				ECA NO
				DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501
REVIEWED	XUXUESONG 57251	HC1M865M		00640501
		VER	PART_NUMBER	SHEET 25 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

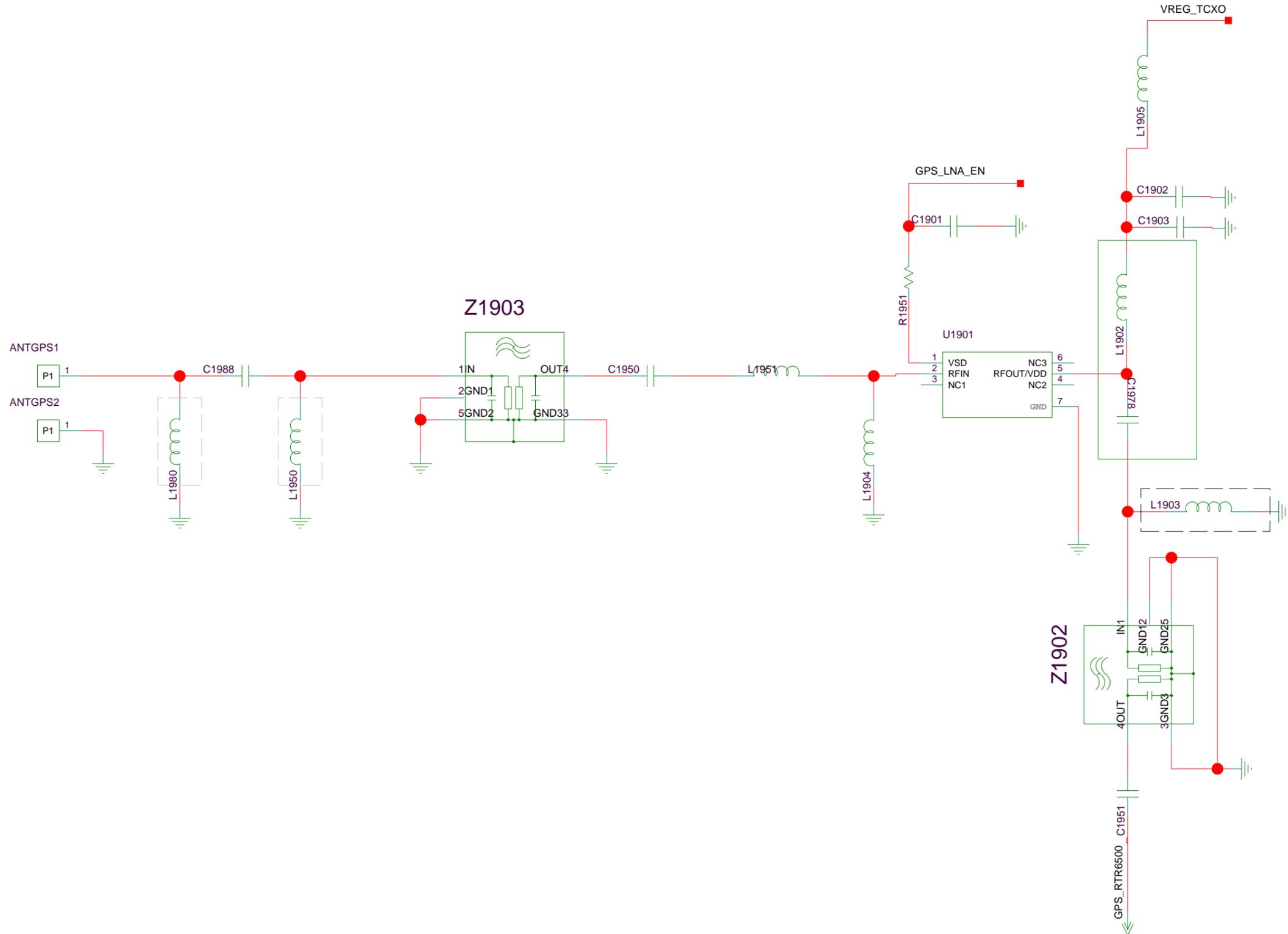
26.TX AWS DUPLEXER & PA



The type and specification of the components refer to the BOM

				5-9-2011_15:28
			NA	
			ECA NO	DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501
REVIEWED	XUXUESONG 57251			
		VER	PART_NUMBER	SHEET 26 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

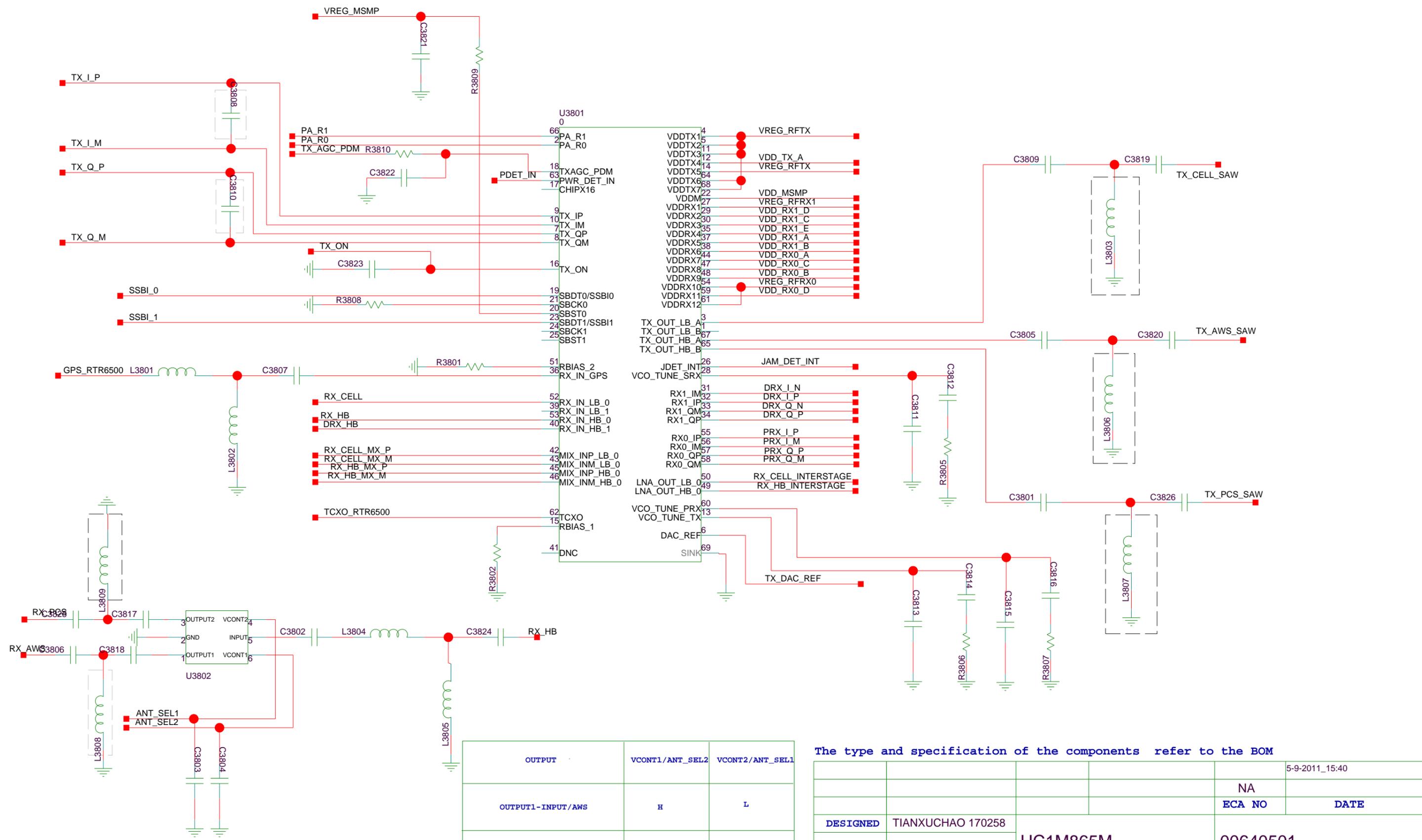
27.GPS Front



The type and specification of the components refer to the BOM

				5-9-2011_15:44
			NA	
			ECA NO	DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501
REVIEWED	XUXUESONG 57251			
		VER	PART_NUMBER	SHEET 27 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

28.RTR 6500

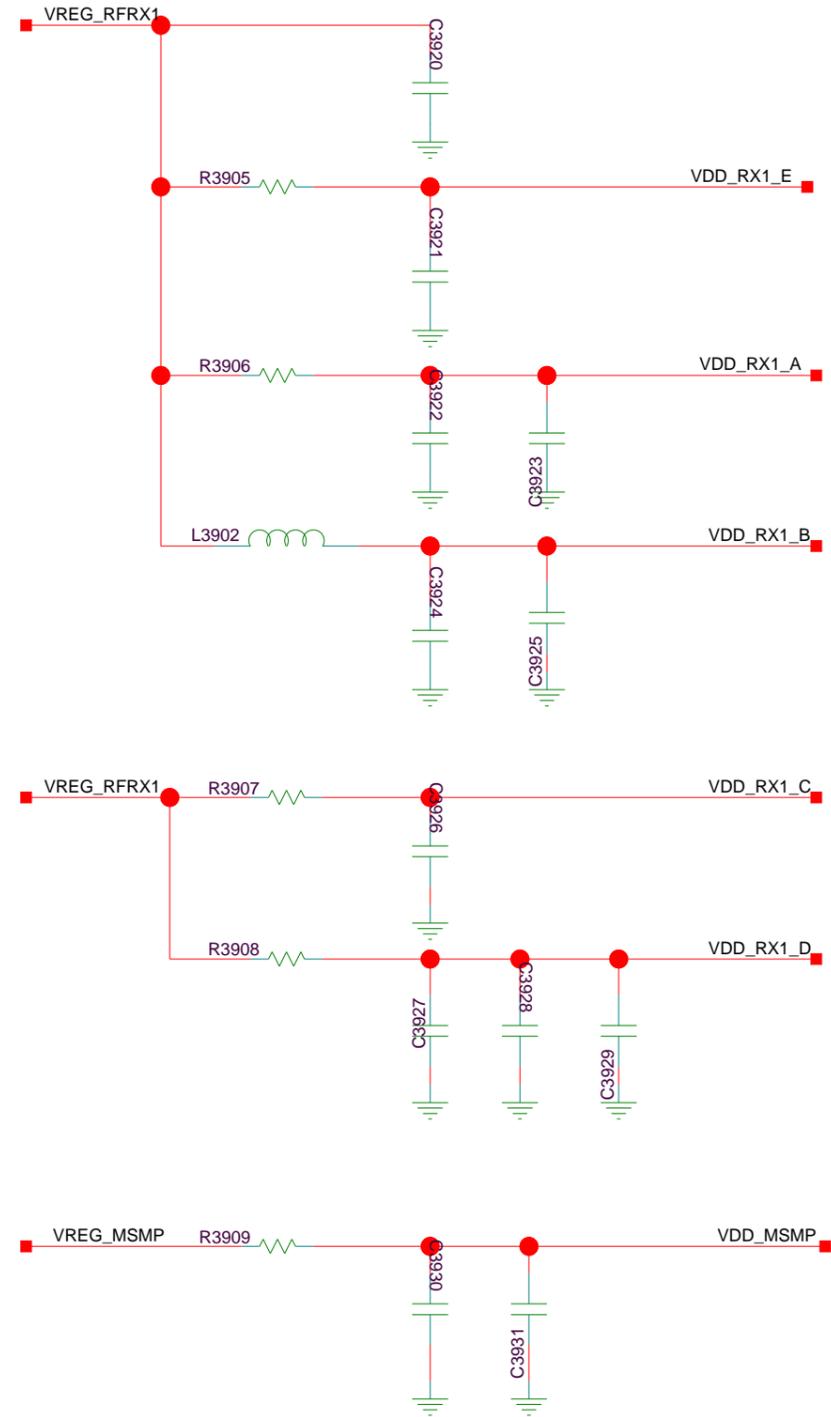
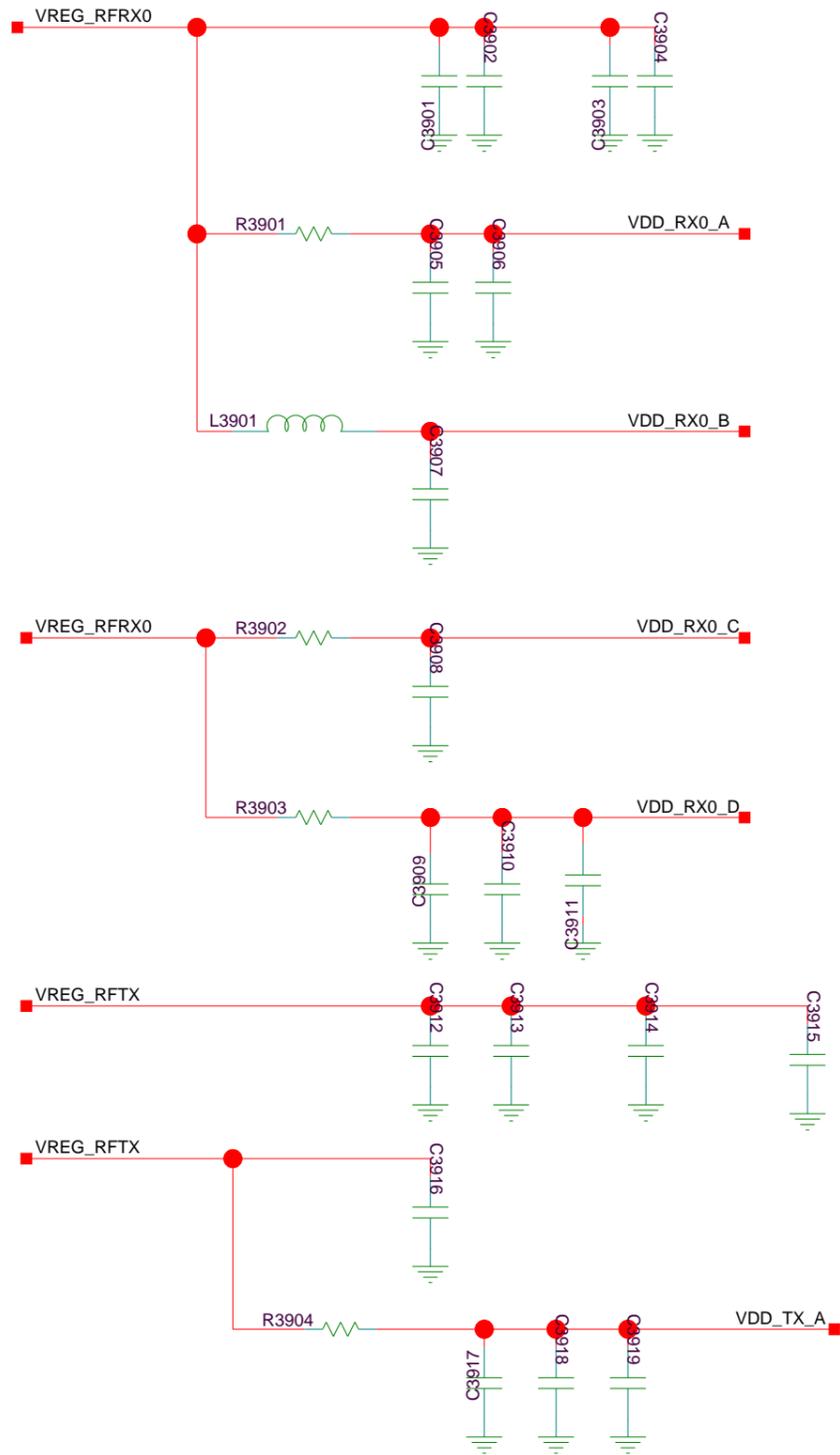


OUTPUT	VCONT1/ANT_SEL2	VCONT2/ANT_SEL1
OUTPUT1-INPUT/AWS	H	L
OUTPUT2-INPUT/PCS	L	H

The type and specification of the components refer to the BOM

DESIGNED	TIANXUCHAO 170258	HC1M865M	5-9-2011_15:40
REVIEWED	XUXUESONG 57251		NA
		00640501	ECA NO DATE
		VER	PART_NUMBER
		03021AVC	SHEET 28 OF 36
			HUAWEI TECH CO.,LTD.

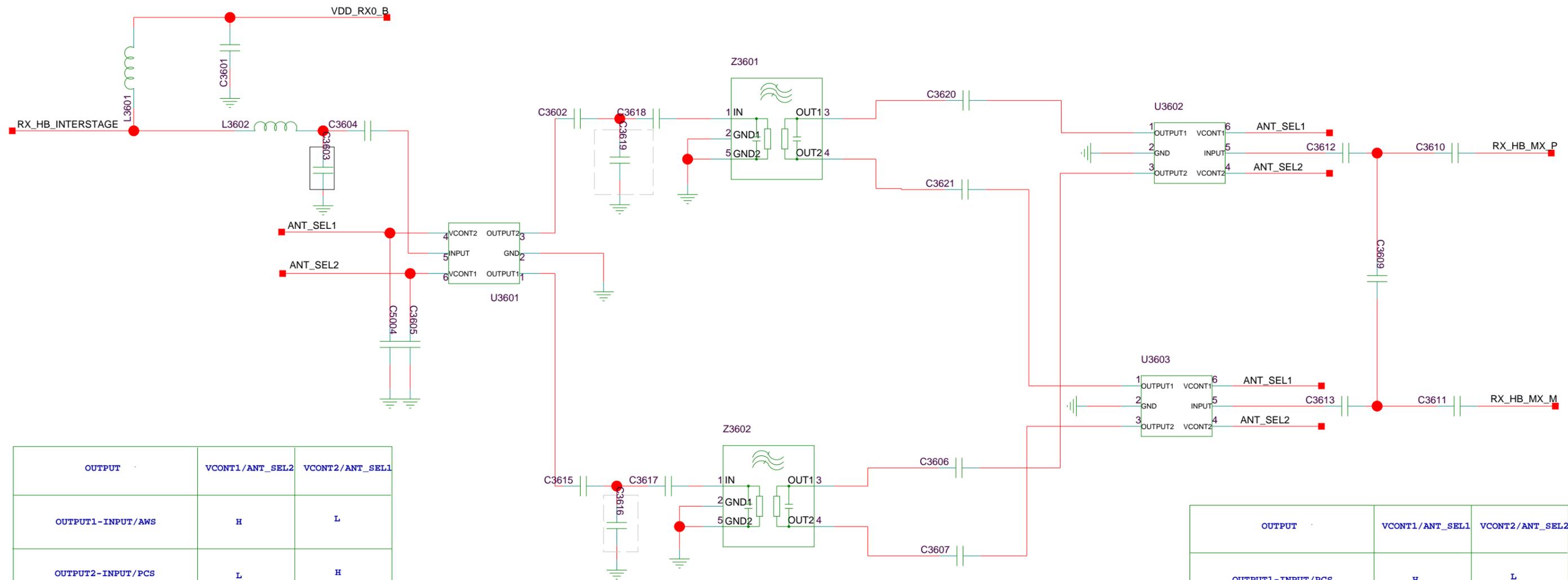
29.RTR6500 POWER DISTRIBUTION



The type and specification of the components refer to the BOM

				5-9-2011_15:40
			NA	
			ECA NO	DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501
REVIEWED	XUXUESONG 57251	VER	PART_NUMBER	SHEET 29 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

30.RX HB INTERSTAGE SAW FILTER



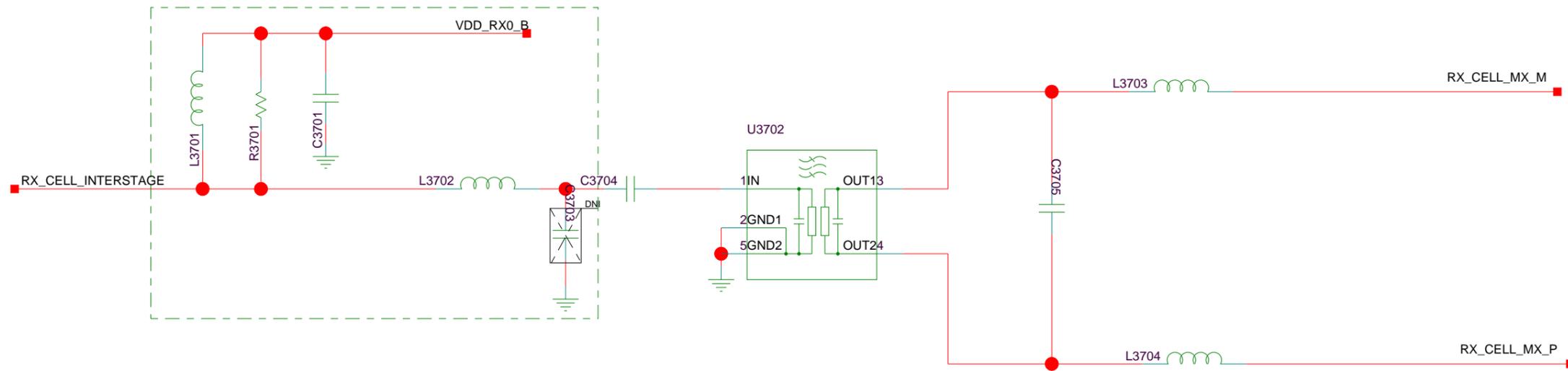
OUTPUT	VCONT1/ANT_SEL2	VCONT2/ANT_SEL1
OUTPUT1-INPUT/AWS	H	L
OUTPUT2-INPUT/PCS	L	H

OUTPUT	VCONT1/ANT_SEL1	VCONT2/ANT_SEL2
OUTPUT1-INPUT/PCS	H	L
OUTPUT2-INPUT/AWS	L	H

The type and specification of the components refer to the BOM

				5-9-2011_15:41
				NA
				ECA NO
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501
REVIEWED	XUXUESONG 57251			
		VER	PART_NUMBER	SHEET 30 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

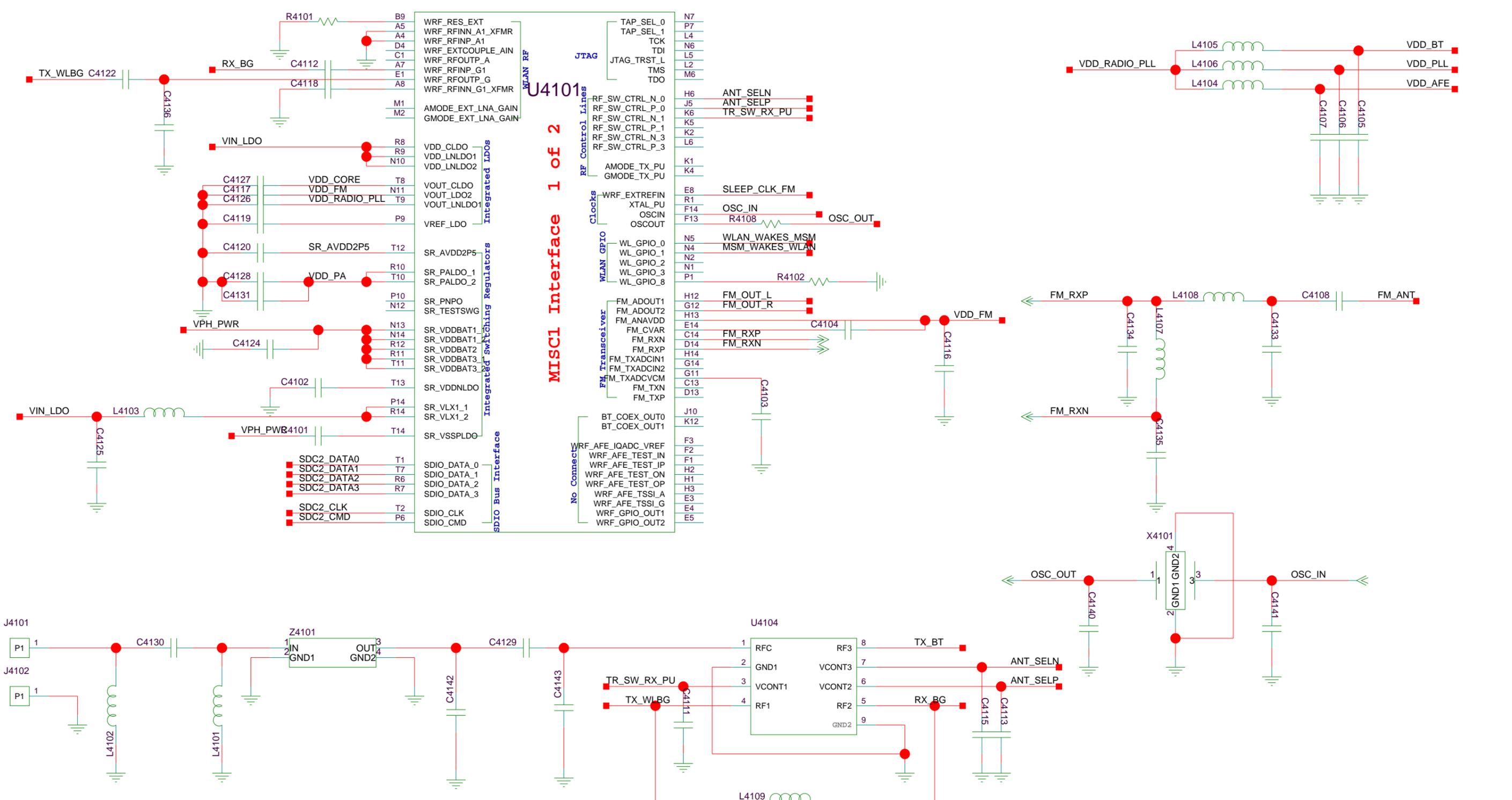
31.RX INTERSTAGE SAW FILTER



The type and specification of the components refer to the BOM

				5-9-2011_15:41
				NA
			ECA NO	DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501
REVIEWED	XUXUESONG 57251			
		VER	PART_NUMBER	SHEET 31 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

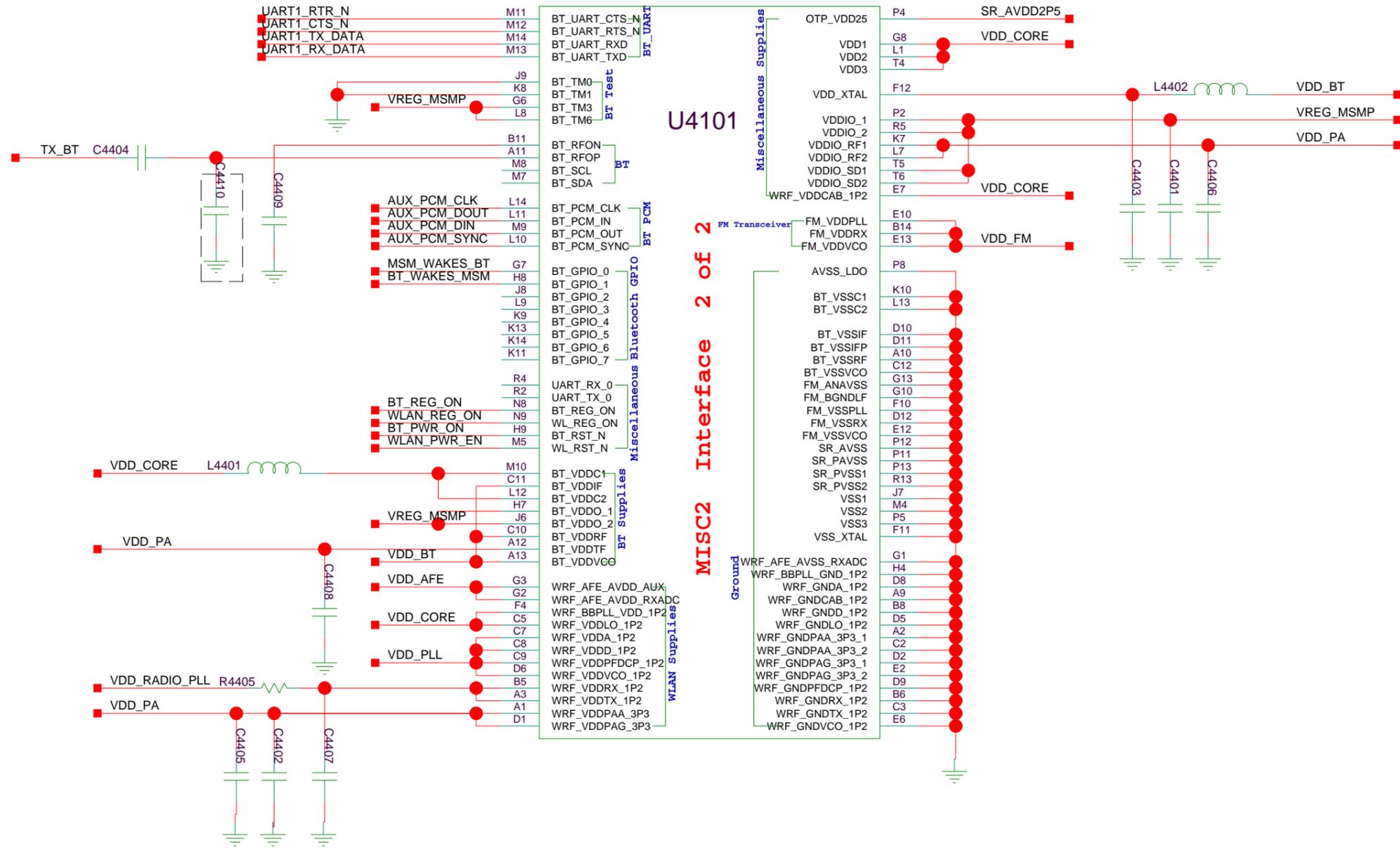
32.WLAN & BT & FM interface



The type and specification of the components refer to the BOM

DESIGNED	TIANXUCHAO 170258	HC1M865M	5-9-2011_15:41
REVIEWED	XUXUESONG 57251		NA
		VER	DATE
		PART_NUMBER	ECA NO
		03021AVC	00640501
		SHEET	32 OF 36
		HUAWEI TECH CO.,LTD.	

33.WLAN & BT & FM POWER and GND



U4101

MISC2 Interface 2 of 2

The type and specification of the components refer to the BOM

				5-9-2011_15:42
				NA
			ECA NO	DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501
REVIEWED	XUXUESONG 57251			
		VER	PART_NUMBER	SHEET 33 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

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A

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B

C

C

D

D

The type and specification of the components refer to the BOM

					5-4-2011_15:32
				NA	
				ECA NO	DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501	
REVIEWED	XUXUESONG 57251				
		VER	PART_NUMBER	SHEET 34 OF 36	
			03021AVC	HUAWEI TECH CO.,LTD.	

1

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3

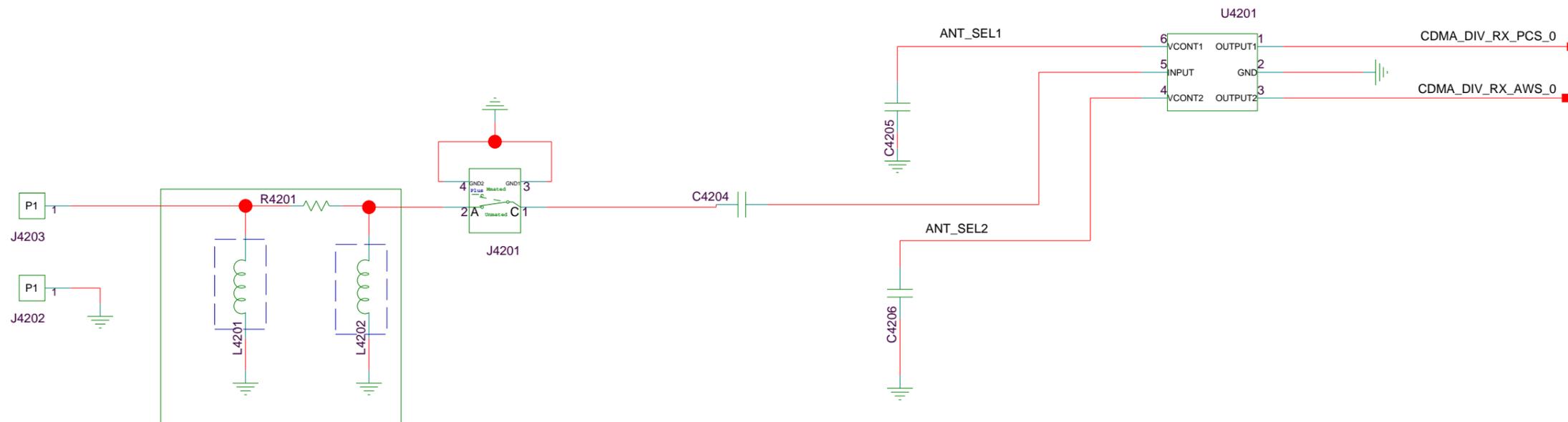
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35.CDMA RX DIVERSITY

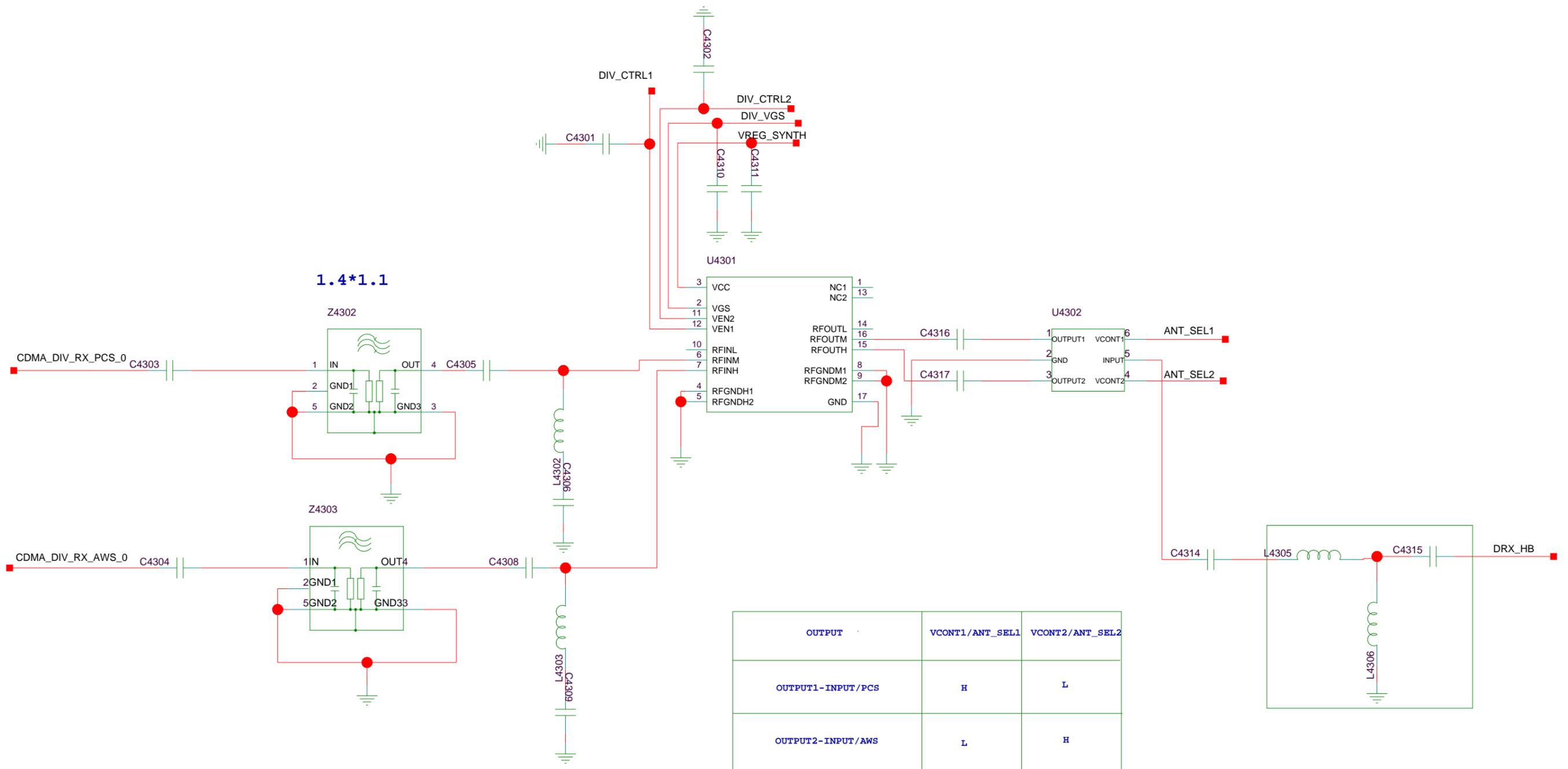
OUTPUT	VCONT1/ANT_SEL1	VCONT2/ANT_SEL2
OUTPUT1-INPUT/PCS	H	L
OUTPUT2-INPUT/AWS	L	H



The type and specification of the components refer to the BOM

				5-9-2011_15:43
				NA
				ECA NO
				DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501
REVIEWED	XUXUESONG 57251			
		VER	PART_NUMBER	SHEET 35 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.

36.CDMA RX DIVERSITY



	DIV_CTRL1	DIV_CTRL2
RFOUTM/PCS	H	L
RFOUTH/AWS	H	H

The type and specification of the components refer to the BOM

				5-9-2011_15:43
			NA	
			ECA NO	DATE
DESIGNED	TIANXUCHAO 170258	HC1M865M		00640501
REVIEWED	XUXUESONG 57251			
		VER	PART_NUMBER	SHEET 36 OF 36
			03021AVC	HUAWEI TECH CO.,LTD.