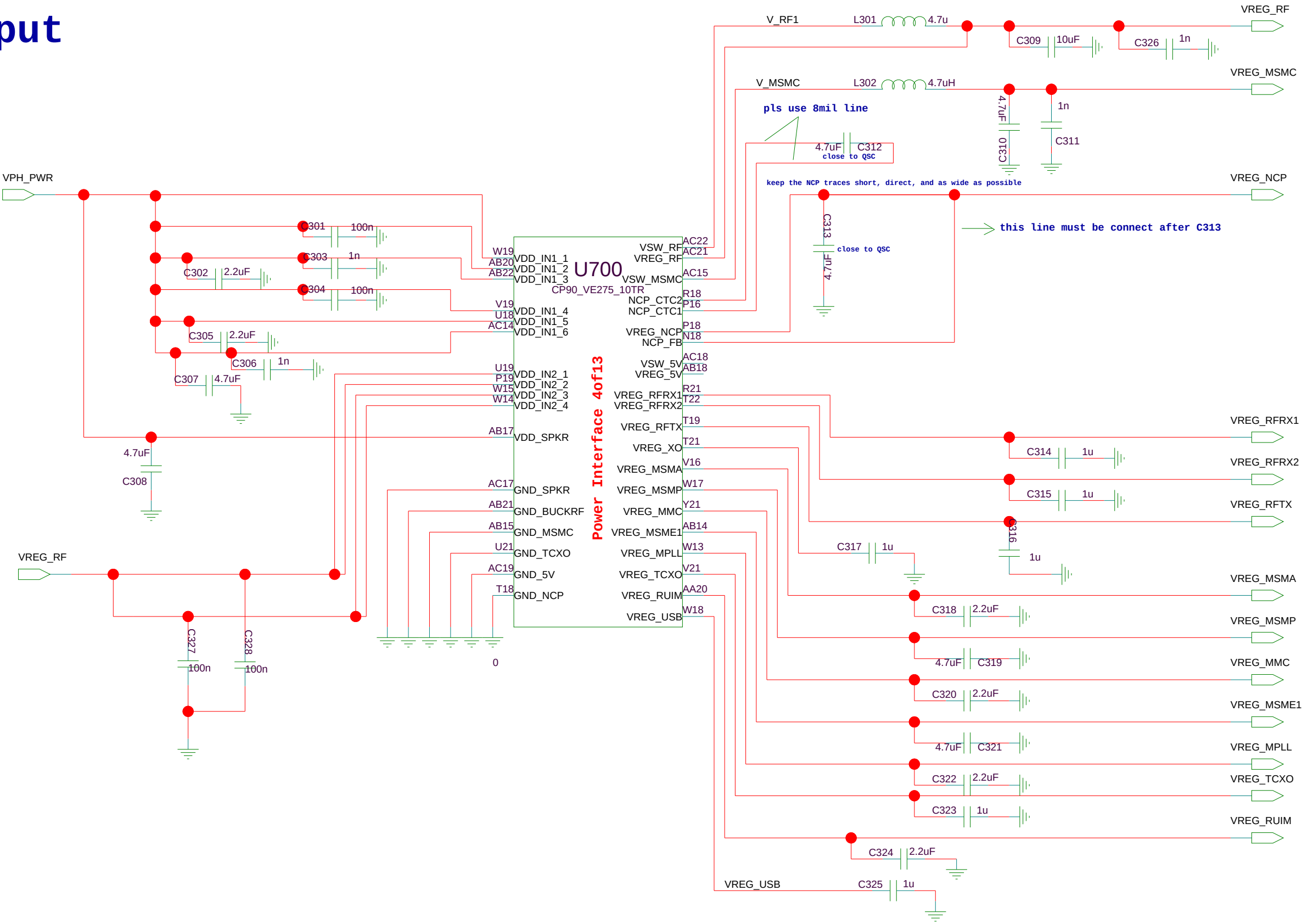


	1	2	3	4	5	6
A	2.GPIO0 and MPP Mapping					
B	DEFAULT		DEFAULT			
	GPI00	GPI00_TF_DETECT_N	P1PD	GPI031	GPI031_LCDBL_CTL	P6PD
	GPI01	PA_ON1	P7PD	GPI032	CAMIF_PCLK	P6PD
	GPI02	SDCC_CMD	P7PD	GPI033	CAMIF_HSYNC_IN	P6PD
	GPI03	SDCC_DATA0	P7PD	GPI034	CAMIF_VSYNC_IN	P6PD
	GPI04	SDCC_DATA1	P7PD	GPI035	CAM_PD	P6PD
	GPI05	SDCC_DATA2	P7PD	GPI036	CAM_ID	P6PD
	GPI06	SDCC_DATA3	P7PD	GPI037		P6PD
	GPI07	SDCC_CLK	P7PD	GPI038	CAMIF_DATA2	P6PD
	GPI08	UART1_CTS_N	P5PD	GPI039	CAMIF_DATA3	P6PD
	GPI09	UART1_RFR_N	P5PU	GPI040	CAMIF_DATA4	P6PD
	GPI010	CAN NOT BE USED	P3PU	GPI041	CAMIF_DATA5	P6PD
	GPI011	GPI011_LCD_ID1	P2PD	GPI042	CAMIF_DATA6	P6PD
	GPI012		P2NP	GPI043	CAMIF_DATA7	P6PD
	GPI013	MDP_VSYNC_PRI	P2PD	GPI044	CAMIF_DATA8	P6PD
	GPI014	GPI014_LCD_ID0	P2PD	GPI045	CAMIF_DATA9	P6PD
	GPI015	KPD_N3	P6PU	GPI046	CAMIF_CLK	P6PD
	GPI016	KPD_N2	P6PU	GPI047	I2C_SDA	P6PU
	GPI017	KPD_N1	P6PU	GPI048	I2C_SCL	P6PU
	GPI018	KPD_N0	P6PU	GPI049	GPI049_EARSNS_N	P6PU
	GPI019	KPD_N4	P6PU	GPI050	GP_CLK	P6PD
	GPI020	KEYSNS_N4	P6PU	GPI051	GPI051_BT_RST_N	P1NP
	GPI021	KEYSNS_N3	P6PU	GPI052		P1NP
	GPI022	KEYSNS_N2	P6PU	GPI053	UIM_RESET	P3PD
	GPI023	KEYSNS_N1	P6PU	GPI054	UIM_CLK	P3PD
	GPI024	KEYSNS_N0	P6PU	GPI055	UIM_DATA	P3PD
	GPI025	GPS_PWR_EN	P7PU	GPI056	TRK_LO_ADJ	P7PD
	GPI026	PA_RANGE	P7PD	GPI057	SECURE_BOOT	P6PD
	GPI027	AUX_PCM_SYNC	P5PD			
	GPI028	AUX_PCM_DIN	P5PD			
	GPI029	AUX_PCM_DOUT	P5PD			
	GPI030	AUX_PCM_CLK	P5PD			
C						
D	The type and specification of the components refer to the BOM					
					NA	2012-4-8
					ECA NO	DATE
	DESIGNED	ZHANGXINGUO 00182765			HC1M570M	
	REVIEWED	LIMIN 00128692			03021MGC_SCH1ZH	
				VER	PART_NUMBER	SHEET 2 OF 27
				VB	03021MGC	HUAWEI TECH CO.,LTD.
	1	2	3	4	5	6

3.PM Output

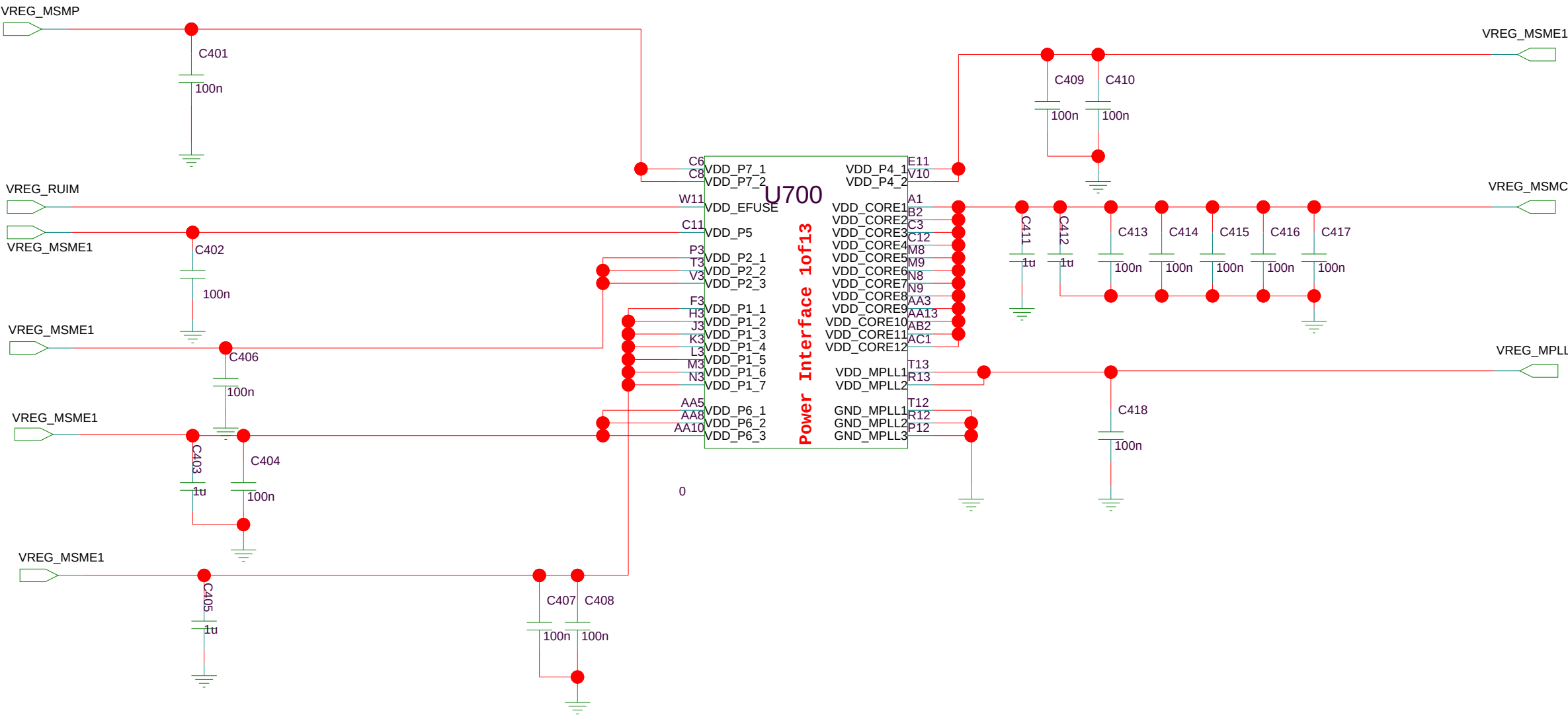


VREG_MSMC	1.3V	500mA
VREG_RF	2.1V	600mA
VREG_MSMA	2.1V	300mA
VREG_MSME1	1.8V	300mA
VREG_MSMP	2.6V	300mA
VREG_MPLL	1.3V	150mA
VREG_RFRX1	2.1V	150mA
VREG_RFRX2	2.1V	150mA
VREG_RFTX	2.1V	150mA
VREG_MMC	2.85V	150mA
VREG_5V	5.0V	600mA
VREG_TCXO	2.85V	50mA
VREG_USB	3.3V	50mA
VREG_XO	2.1V	50mA
VREG_RUIM	2.85V	150mA

The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 3	OF 27
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

4.Core & IO & Mpll Power

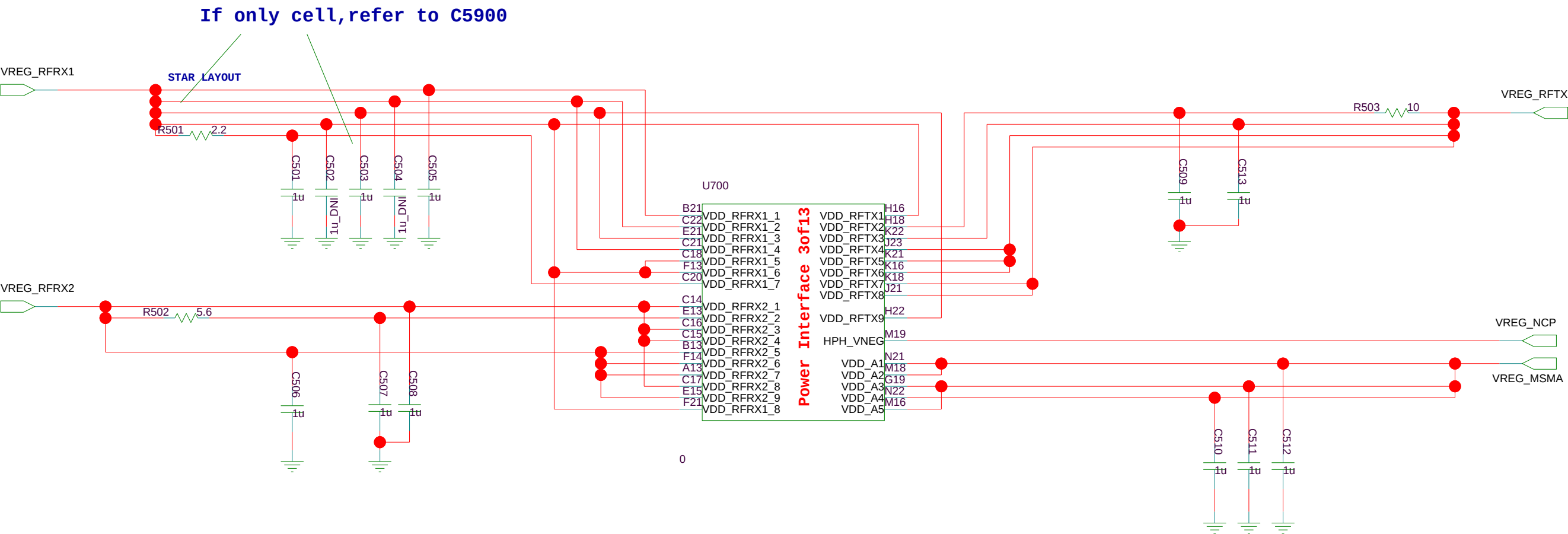


pad group	description
P1	EBI1
P2	EBI2
P3	internal connect
P4	MODE select
P5	UART1 & PCM IF
P6	CAM IF & KPD
P7	SD IF & JTAG

The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 4 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

5.RF POWER

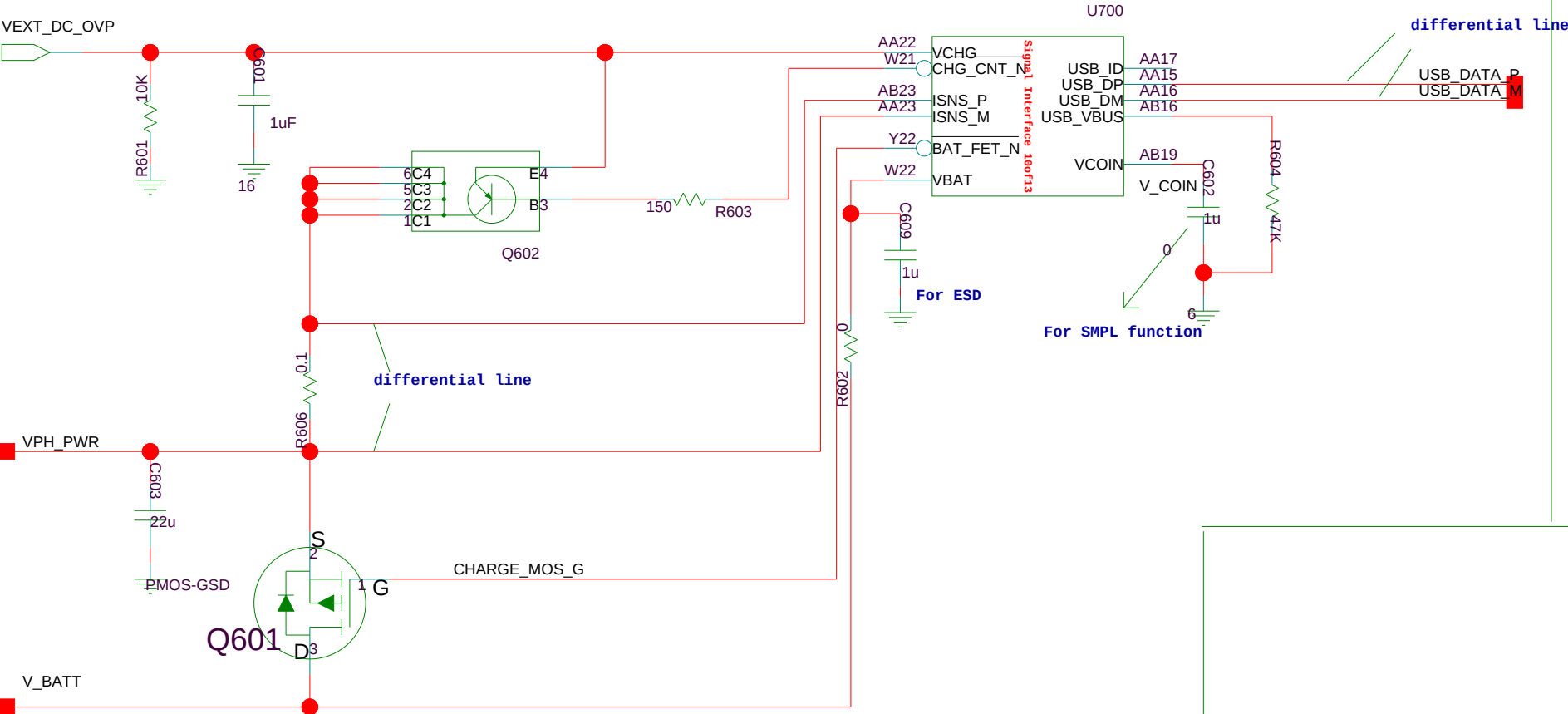


The type and specification of the components refer to the BOM

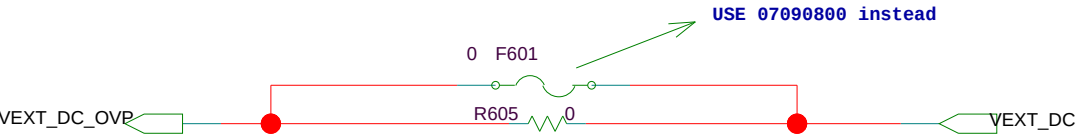
				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 5 OF 27	
		VB	03021MGC	HUAWEI TECH CO.,LTD.	

6.Charge & BATT & USB & OVP

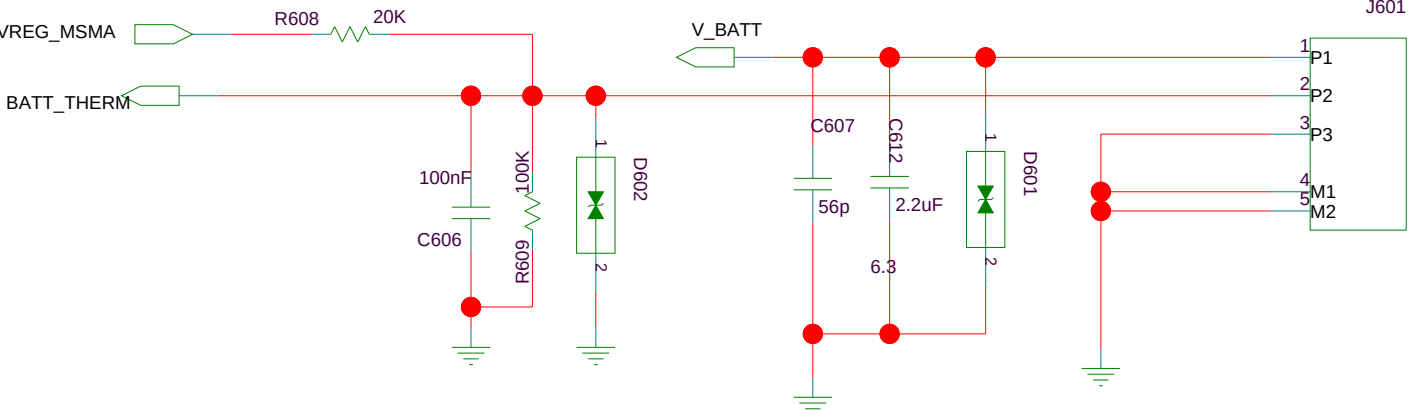
PM Input & USB



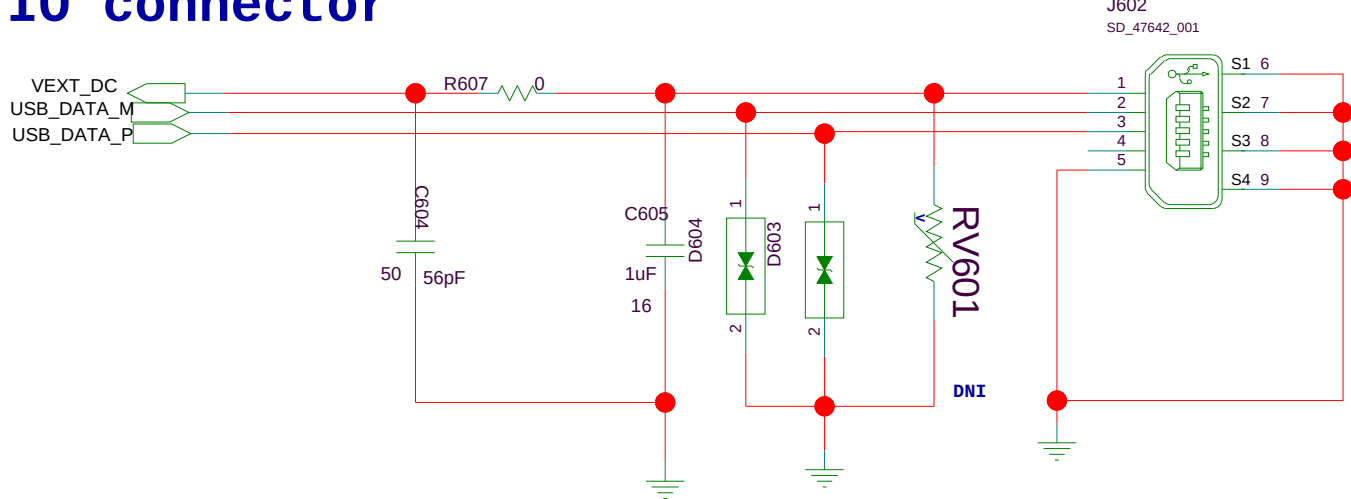
CHARGER OVP



BATT Connector



I0 connector

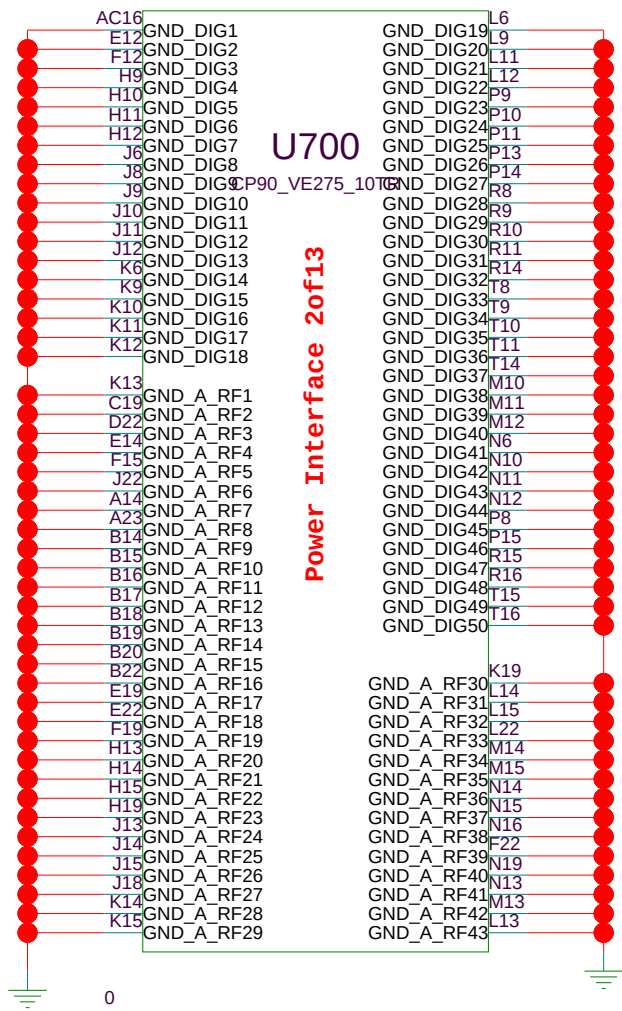


The type and specification of the components refer to the BOM

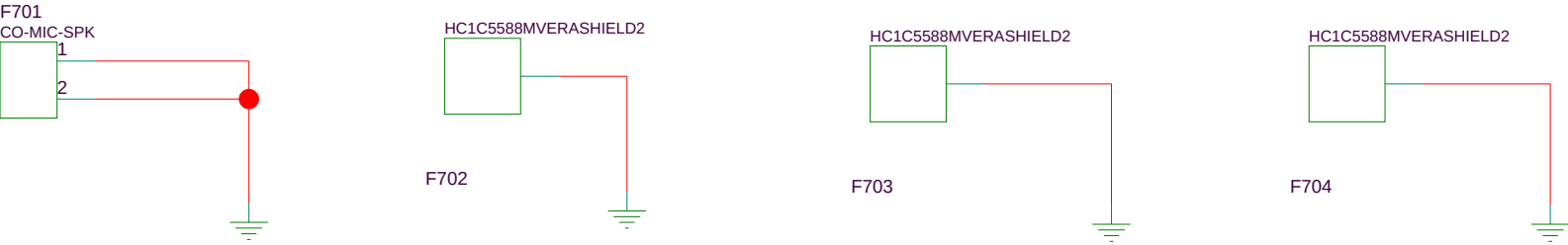
				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 6 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

7.GND & Shield

GND



Shield



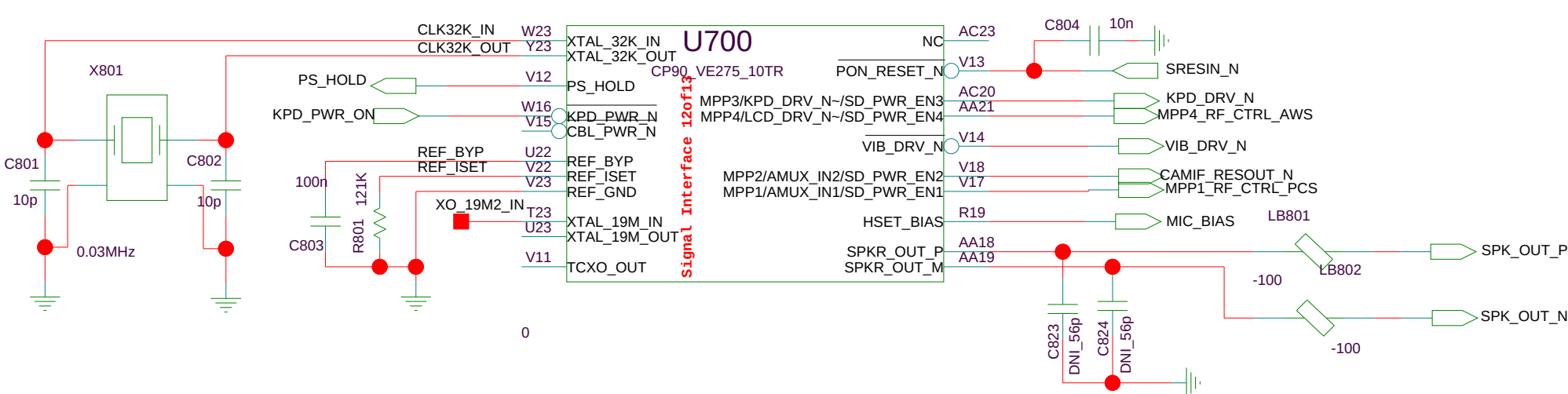
shield and hole need to confirm with MD & CAD.

The type and specification of the components refer to the BOM

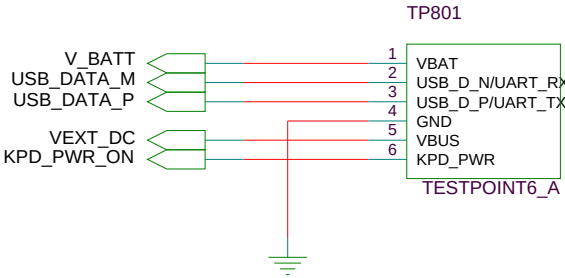
				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 7 OF 27	
		VB	03021MGC	HUAWEI TECH CO.,LTD.	

8.OSC & VCTCX0 & JTAG & Test Point

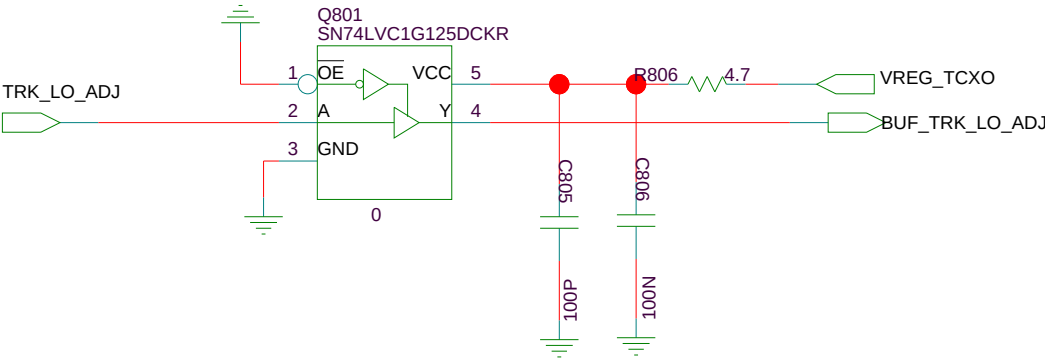
SYS OSC



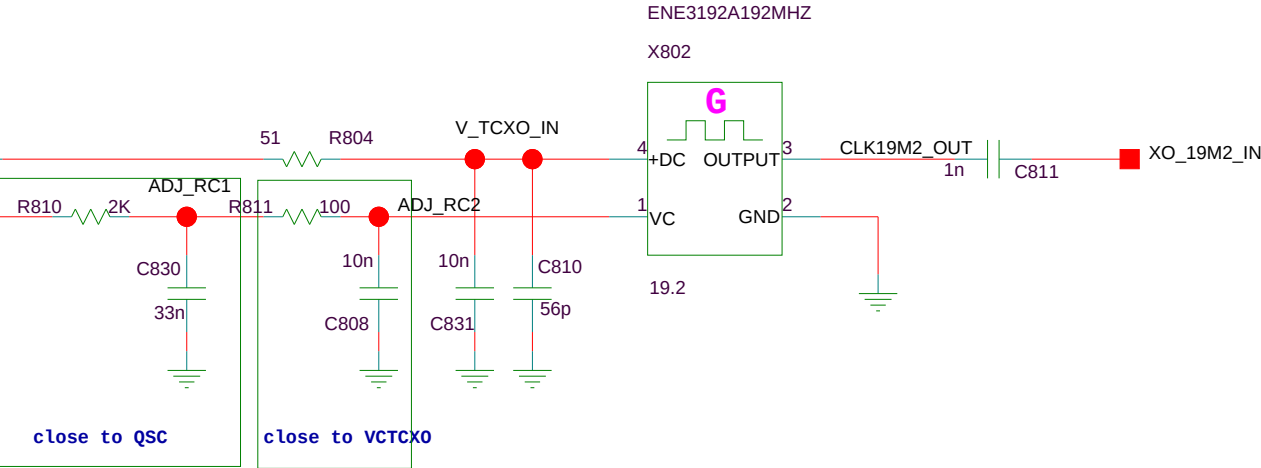
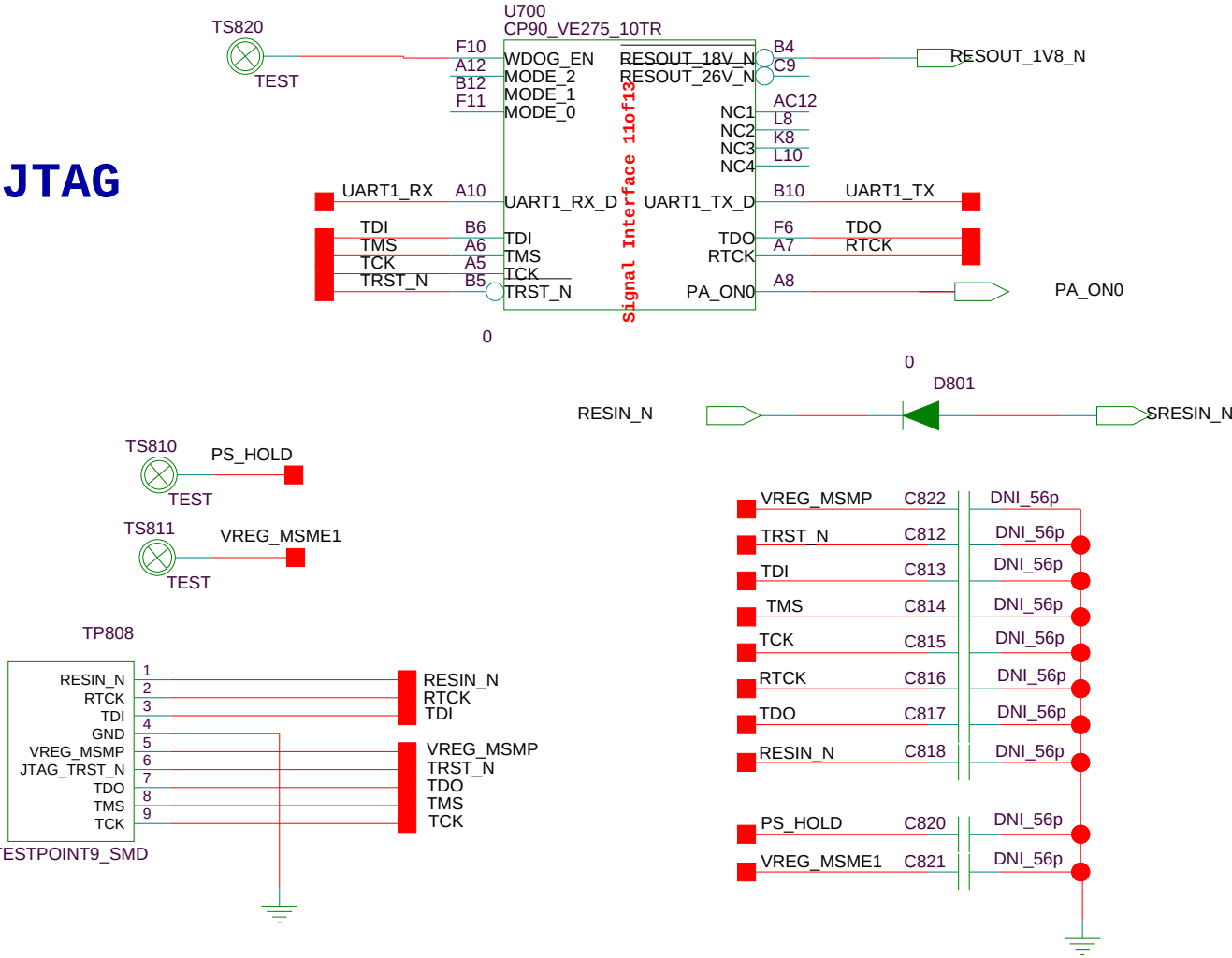
MT Point



19M2 VCTCX0



JTAG



The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 8 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

A



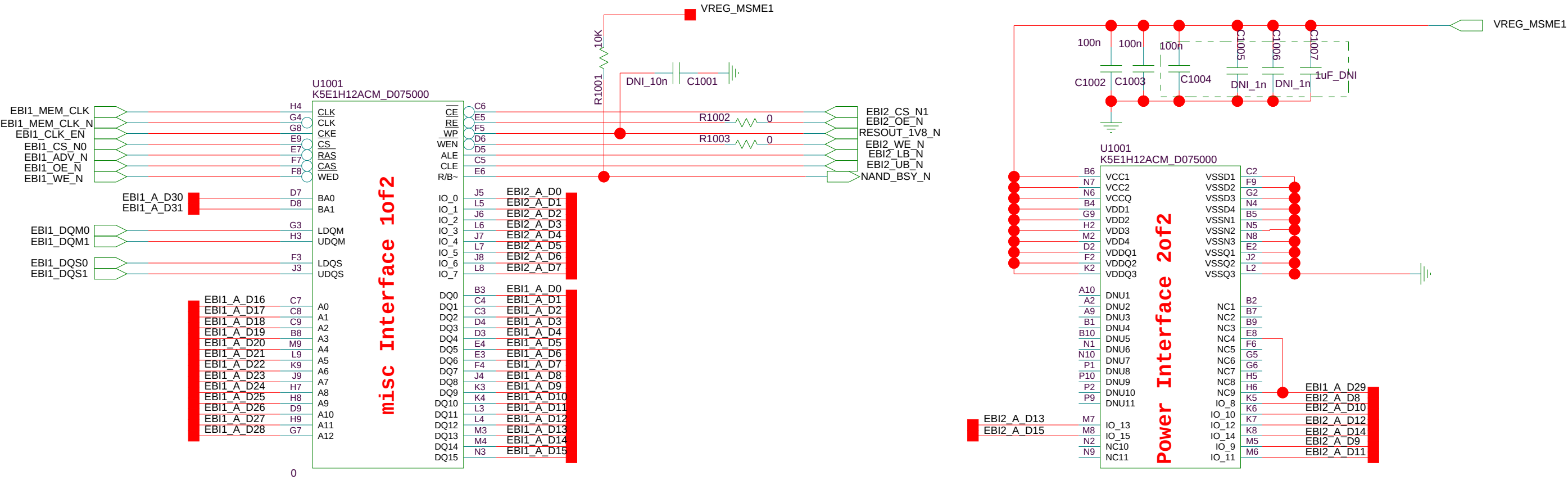
D

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET	9 OF 27
		VB	03021MGC	HUAWEI TECH CO.,LTD.	

10.Memory

1Gb NAND+512Mb DDR

Power

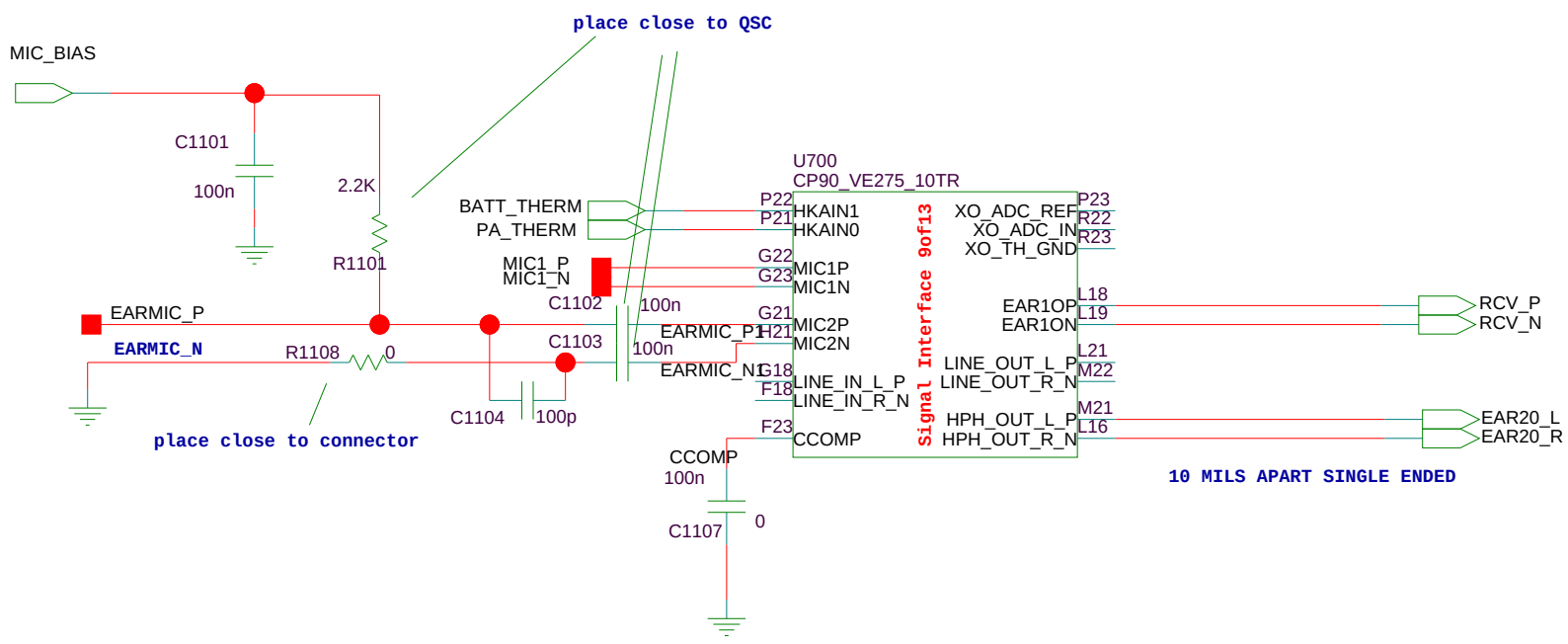


The type and specification of the components refer to the BOM

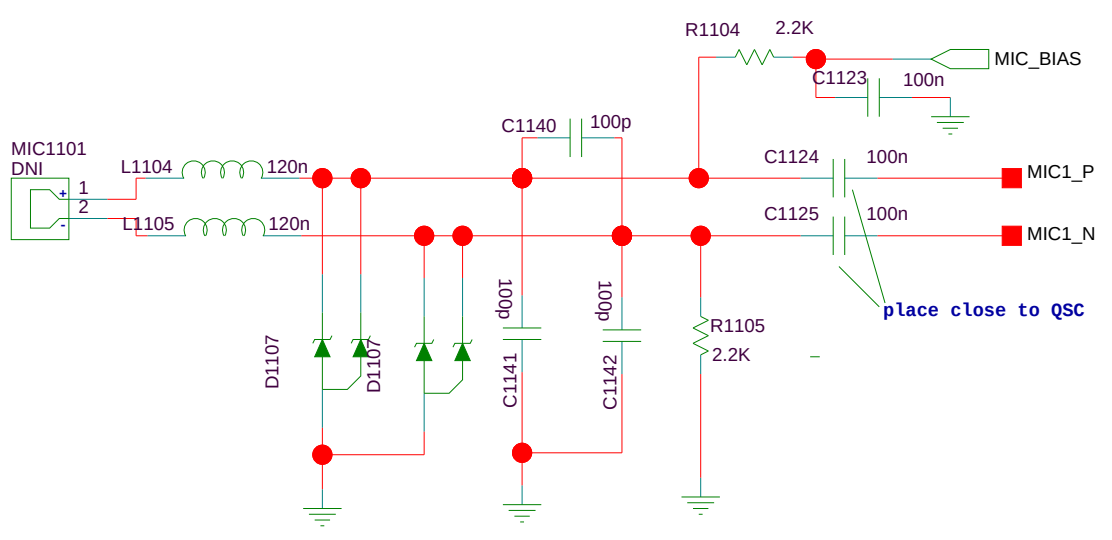
				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 10 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

11.Audio & SPK & RCV & MIC

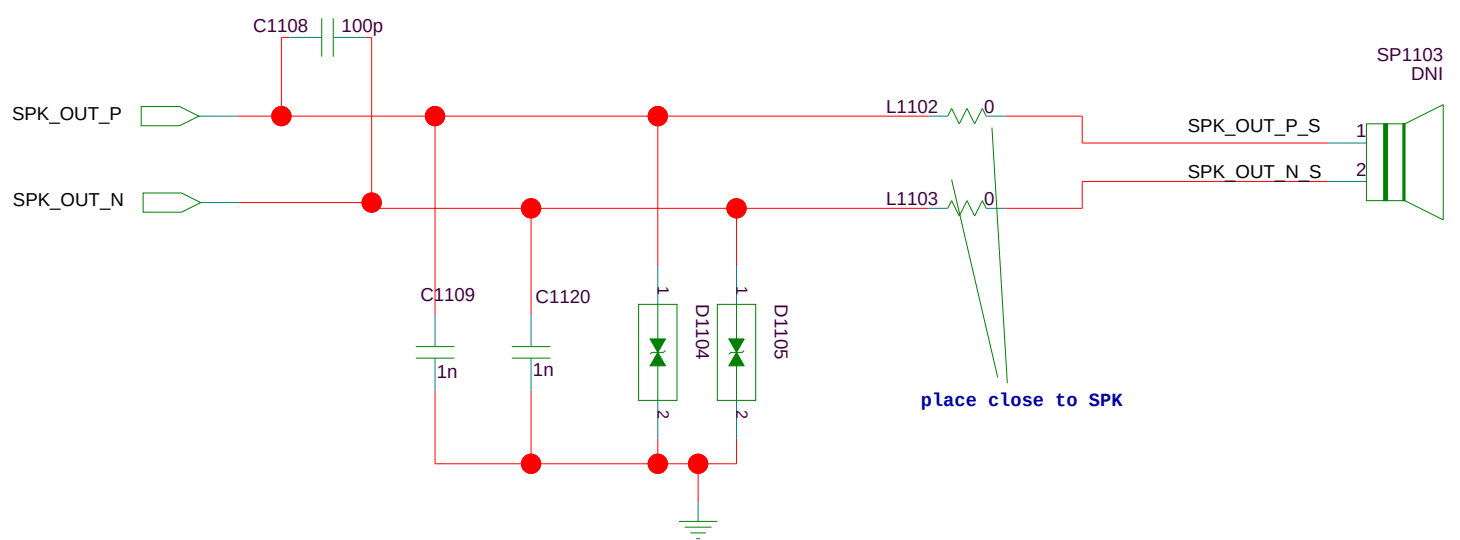
AUDIO



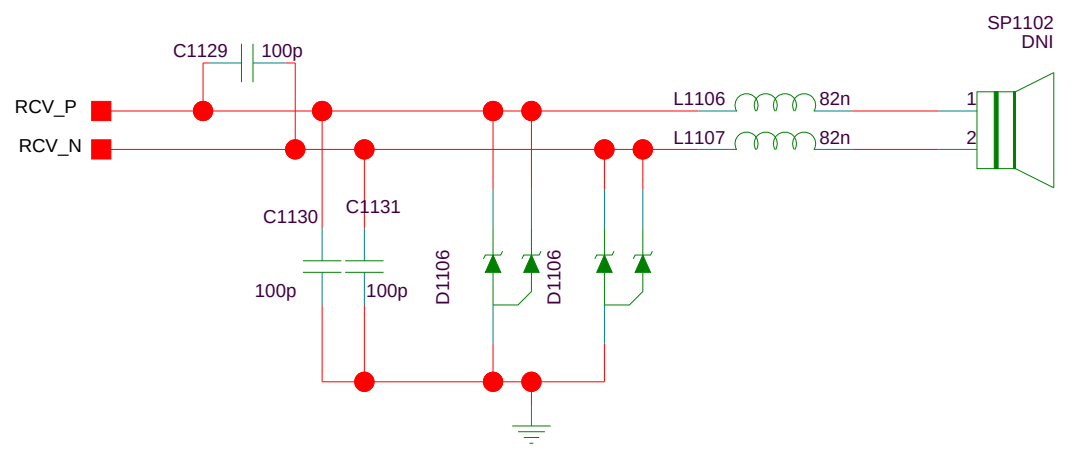
MIC



SPEAKER



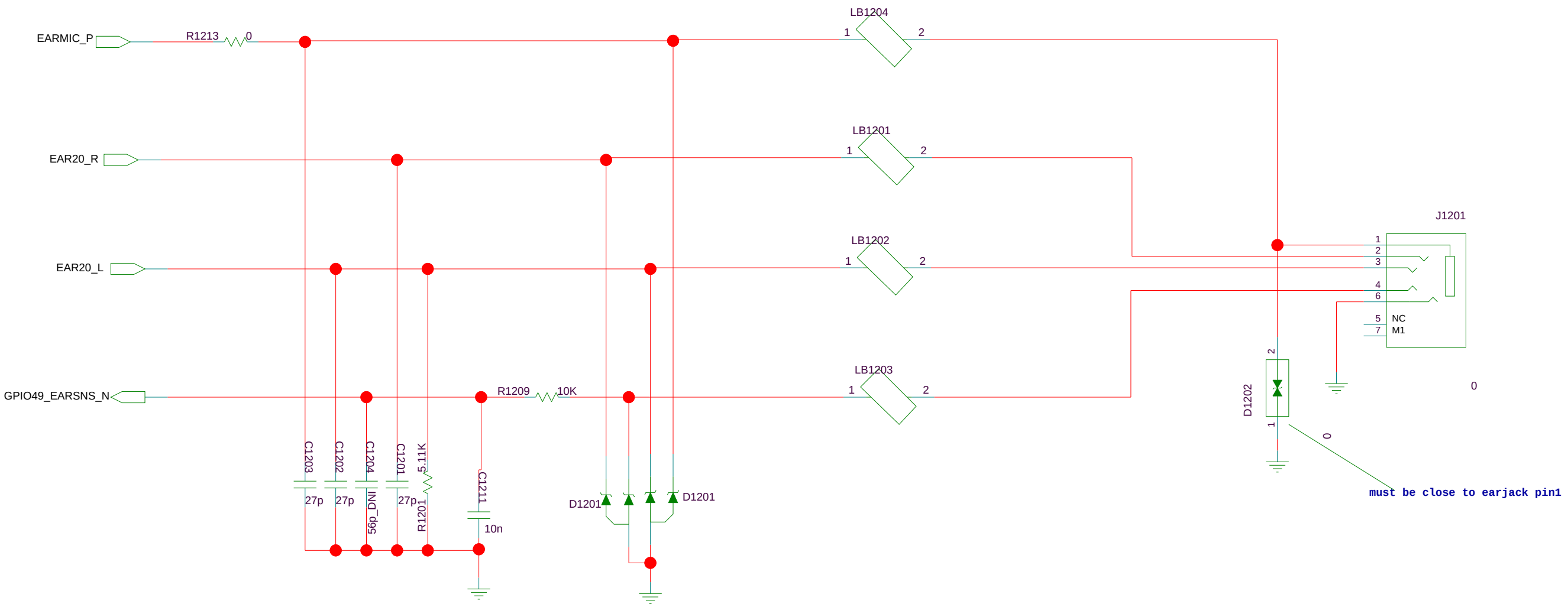
RCV



The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 11 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

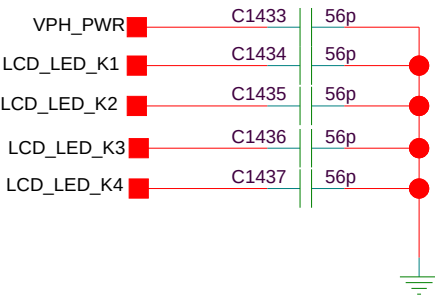
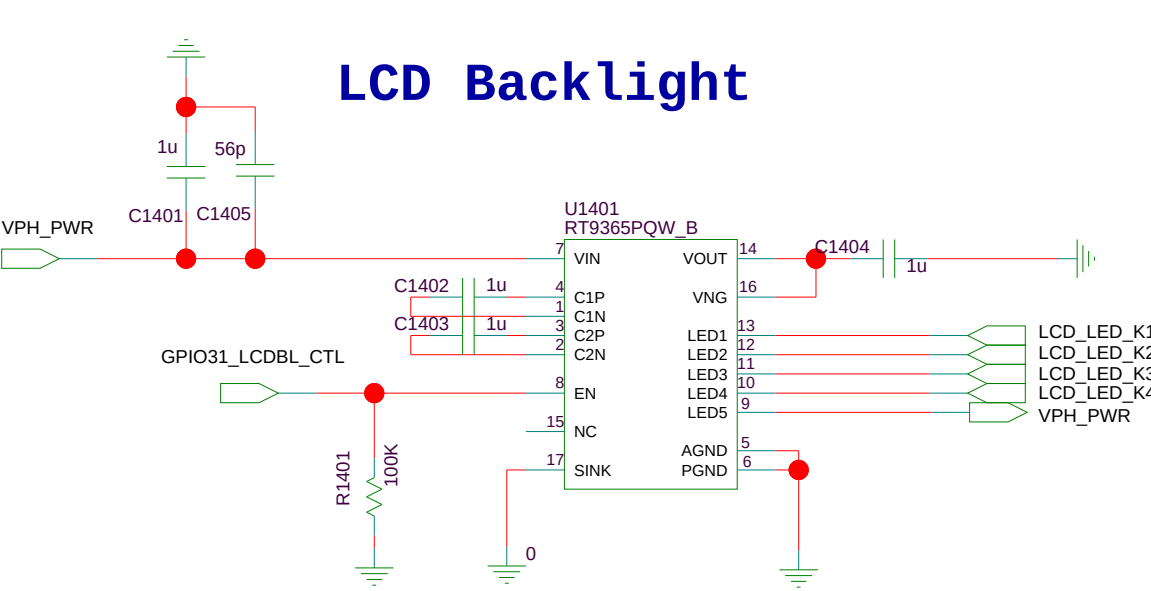
12.Headset



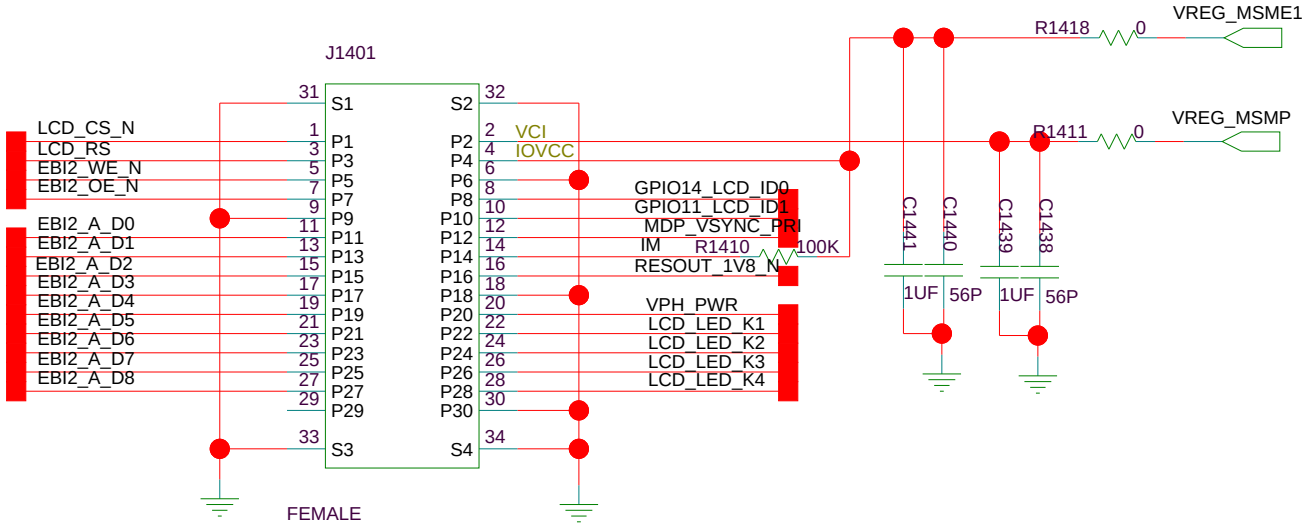
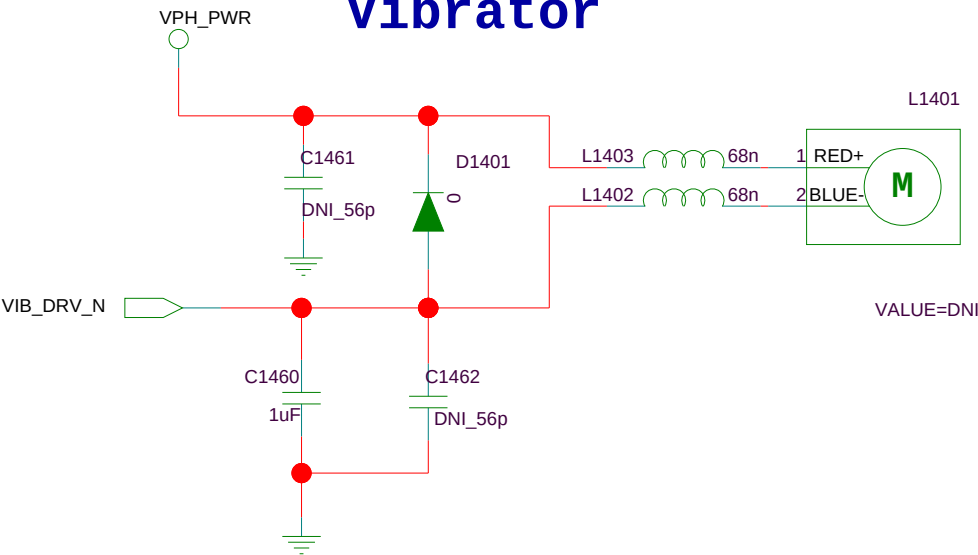
The type and specification of the components refer to the BOM					
				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET	12 OF 27
		VB	03021MGC	HUAWEI TECH CO.,LTD	

14.LCD Backlight & LCD IF & Vibrator

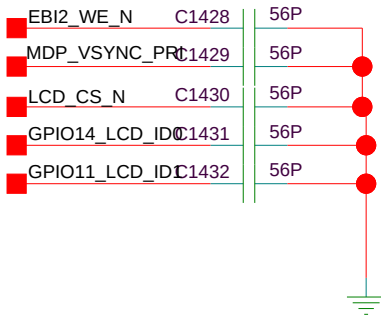
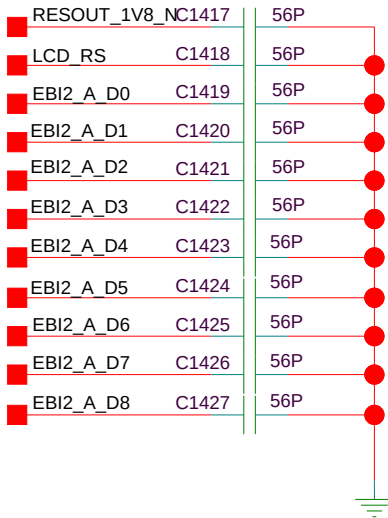
LCD Backlight



Vibrator



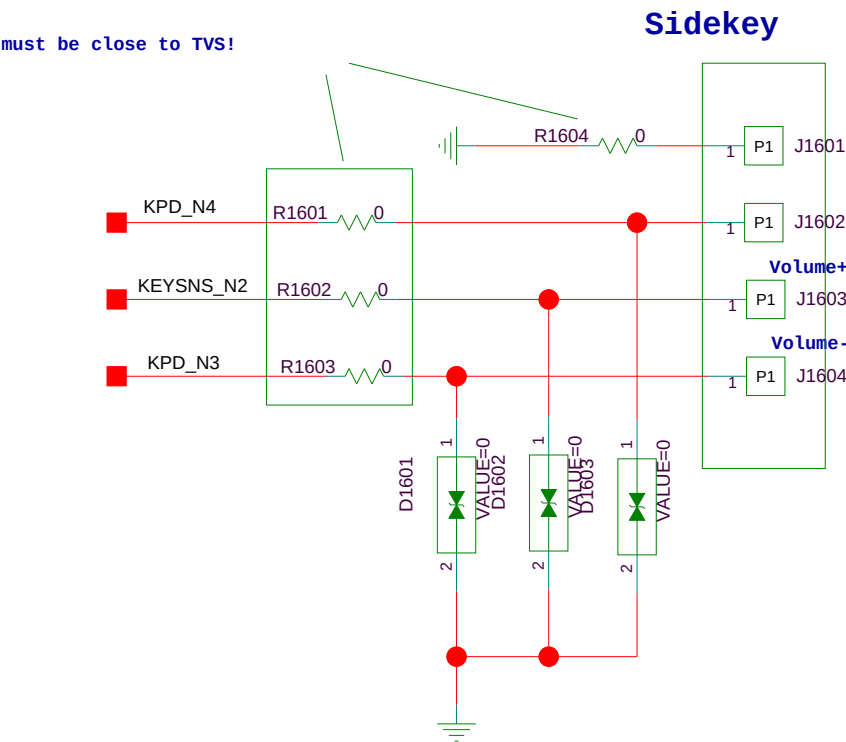
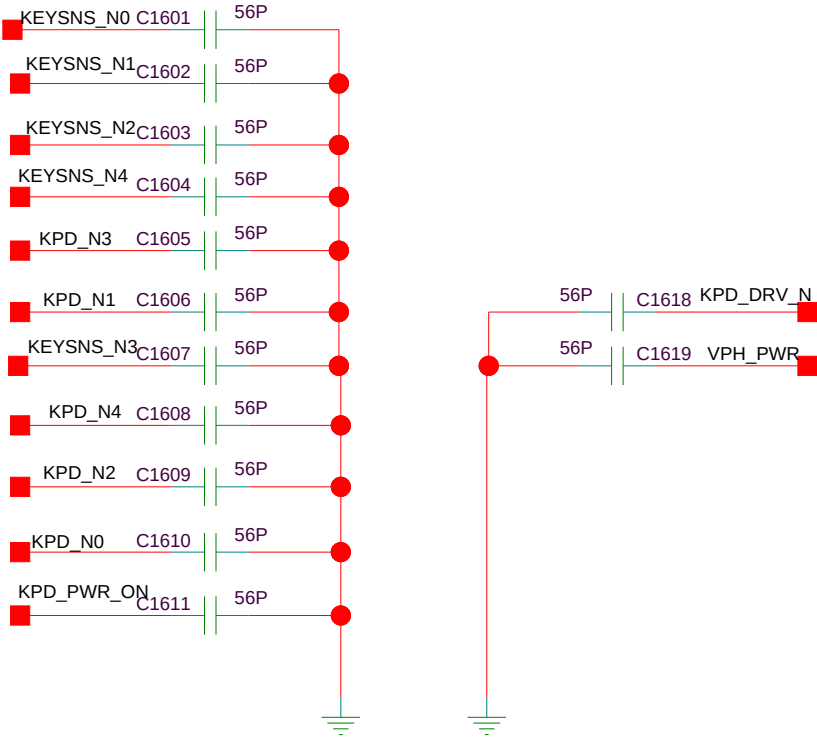
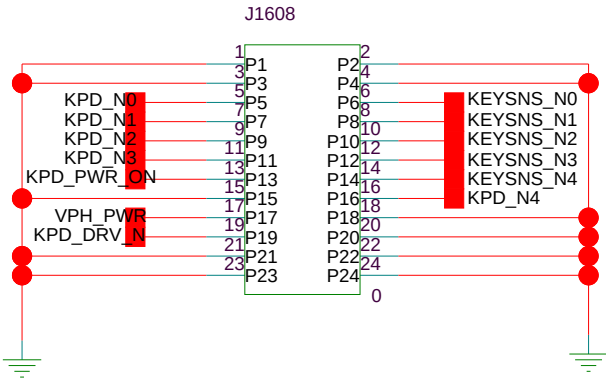
LCD is 9 bit by the current IM config



solder according to the result of RF performance

The type and specification of the components refer to the BOM					
				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765			03021MGC_SCH1ZH	
	HC1M570M				
REVIEWED				LIMIN 00128692	
		VER	PART_NUMBER	SHEET 14 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD	

16.Keypad & Backlight



The type and specification of the components refer to the BOM

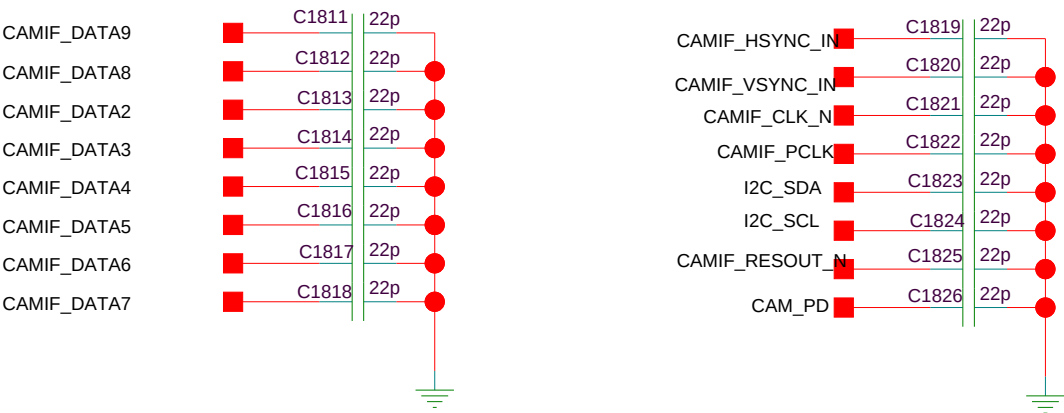
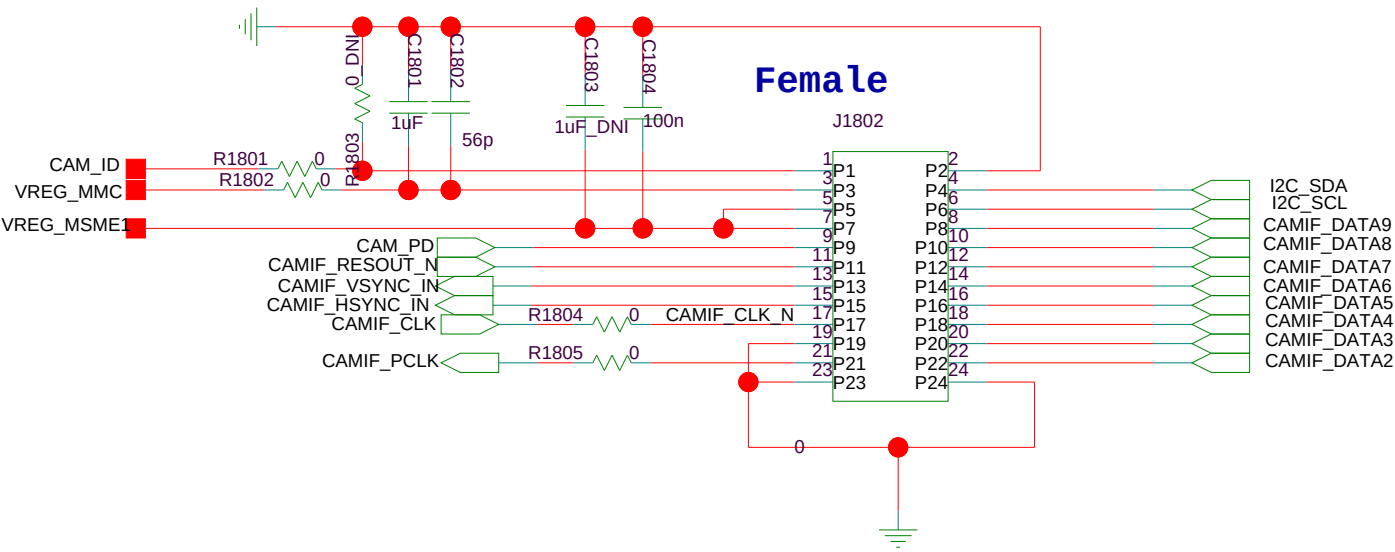
				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 16 OF 27	
		VB	03021MGC	HUAWEI TECH CO.,LTD.	

18.Camera

0.3M & 2.0M Camera FPC

0.3M camera with R1801,R1803 DNI

2.0M camera with R1801 DNI,R1803



solder according to the result of RF performance

The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 18 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

21. RF Front

U2101

ON Path	V1	V2	V3
RF1/AWS	H	L	L
RF2/Cell	L	H	L
RF3/PCS	L	L	H

Antenna matching and Duplexer Circuits

PCS/AWS_Diversity_Front

The type and specification of the components refer to the BOM

DESIGNED	ZHANGXINGUO 00182765	HC1M570M	03021MGC_SCH1ZH
REVIEWED	LIMIN 00128692		
VER	VB	PART_NUMBER	SHEET 21 OF 27
		03021MGC	HUAWEI TECH CO.,LTD.

1

2

3

4

5

6

21. RF Front

U2101

ON Path	V1	V2	V3
RF1/AWS	H	L	L
RF2/Cell	L	H	L
RF3/PCS	L	L	H

MPP4_RF_CTRL_AWS

UIM_RESET

MPP1_RF_CTRL_PCS

V1

V2

V3

C2106

C2107

C2108

100p

100p

100p

Antenna matching and Duplexer Circuits

J2110

P1

R2103

0

R2105

0

DNI

R2107

0

R2108

0

J2111

P1

J2112

P1

C2103

100p

J2101

2

A

Unated

C1

4

PT100 Meated

GND2

GND3

3

U2101

VCONT1

10

GND3

9

ANT

8

GND2

7

VCONT2

6

RF1

1

GND1

2

RF2

3

VCONT3

4

RF3

5

GND4

11

C2113

100p

L2111

15n

R2122

3.3n

L2102

15n

Z2103

3

TX_IN

2

GND0

4

GND1

5

GND2

6

ANT

7

GND3

8

GND4

9

RX_OUT

1

CELL_TX

CELL_RX

L2112

15n

C2110

82p

R2120

2.7nH

L2110

DNI

1p

Z2102

9

ANT

5

GND2

4

GND1

2

GND0

3

TX_IN

1

RX_OUT

8

GND5

9

GND4

7

GND3

AWS_TX

AWS_RX

PCS_RX

Z2101

2

RX

3

ANT

4

SINK

1

X1

PCS_TX

R2121

3.6n

C2112

DNI

1.8p

C2109

dc

C2117

3.6n

C2126

100p

C2125

dc

0

U2105

UPG2159T6R

1

OUTPUT1

VCONT1

6

2

GND

INPUT

5

3

OUTPUT2

VCONT2

4

HB_DIV

C2119

33p

C2115

33p

C2116

33p

U2102

UPG2159T6R

4

VCONT2

OUTPUT2

3

5

INPUT

GND2

2

1

OUTPUT1

VCONT1

6

0

Z2104

1

IN

2

GND1

5

GND2

GND3

3

OUT4

0

Z2105

1

IN

2

GND1

5

GND2

GND3

3

OUT

0

C2118

2.2n

C2128

100p

C2127

dc

0

U2103

ANT_220

1

R2130

0

R2125

0

C2122

IND

2d1

C2123

DNI

2.4p

J2103

2

A

Unated

C1

4

PT100 Meated

GND2

GND3

3

R2101

DNI

C2120

33p

C2121

33p

MPP4_RF_CTRL_AWS

MPP1_RF_CTRL_PCS

PCS/AWS_Diversity_Front

U2109

ANT_220

1

R2126

0

U2110

ANT_220

1

R2131

0

U2102

UPG2159T6R

4

VCONT2

OUTPUT2

3

5

INPUT

GND2

2

1

OUTPUT1

VCONT1

6

0

Z2104

1

IN

2

GND1

5

GND2

GND3

3

OUT4

0

Z2105

1

IN

2

GND1

5

GND2

GND3

3

OUT

0

C2118

2.2n

C2128

100p

C2127

dc

0

U2103

ANT_220

1

R2130

0

R2125

0

C2122

IND

2d1

C2123

DNI

2.4p

J2103

2

A

Unated

C1

4

PT100 Meated

GND2

GND3

3

R2101

DNI

C2120

33p

C2121

33p

MPP4_RF_CTRL_AWS

MPP1_RF_CTRL_PCS

PCS/AWS_Diversity_Front

U2109

ANT_220

1

R2126

0

U2110

ANT_220

1

R2131

0

U2102

UPG2159T6R

4

VCONT2

OUTPUT2

3

5

INPUT

GND2

2

1

OUTPUT1

VCONT1

6

0

Z2104

1

IN

2

GND1

5

GND2

GND3

3

OUT4

0

Z2105

1

IN

2

GND1

5

GND2

GND3

3

OUT

0

C2118

2.2n

C2128

100p

C2127

dc

0

The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 21 OF 27	
		VB	03021MGC	HUAWEI TECH CO.,LTD.	

1

2

3

4

5

6

1

2

3

4

5

6

21. RF Front

U2101

ON Path	V1	V2	V3
RF1/AWS	H	L	L
RF2/Cell	L	H	L
RF3/PCS	L	L	H

MPP4_RF_CTRL_AWS

UIM_RESET

MPP1_RF_CTRL_PCS

V1

V2

V3

C2106

C2107

C2108

100p

100p

100p

Antenna matching and Duplexer Circuits

J2110

P1

R2103

0

R2105

0

DNI

R2107

0

R2108

0

J2111

P1

J2112

P1

C2103

100p

J2101

2

A

Unated

C1

4

PT100 Meated

GND2

GND3

3

U2101

VCONT1

10

GND3

9

ANT

8

GND2

7

VCONT2

6

RF1

1

GND1

2

RF2

3

VCONT3

4

RF3

5

GND4

11

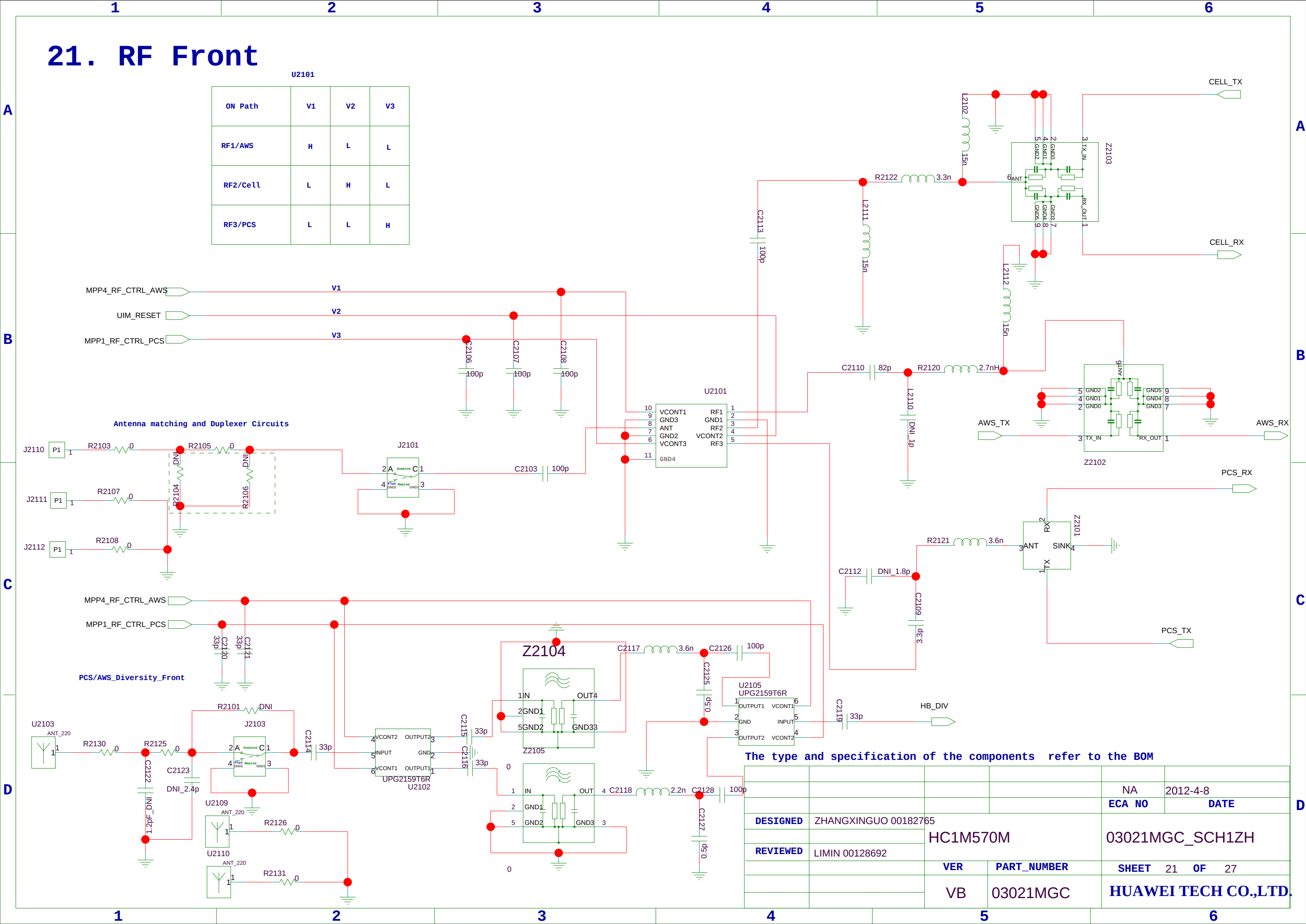
C2113

100p

L2111

15n

R2122

[illegible]

21. RF Front

U2101

ON Path	V1	V2	V3
RF1/AWS	H	L	L
RF2/Cell	L	H	L
RF3/PCS	L	L	H

MPP4_RF_CTRL_AWS V1
UIM_RESET V2
MPP1_RF_CTRL_PCS V3

Antenna matching and Duplexer Circuits

J2110 P1 R2103 0 R2105 0 DNI
J2111 P1 R2107 0 R2104 0 R2106 0
J2112 P1 R2108 0

C2106 100p C2107 100p C2108 100p C2103 100p

PCS/AWS_Diversity_Front

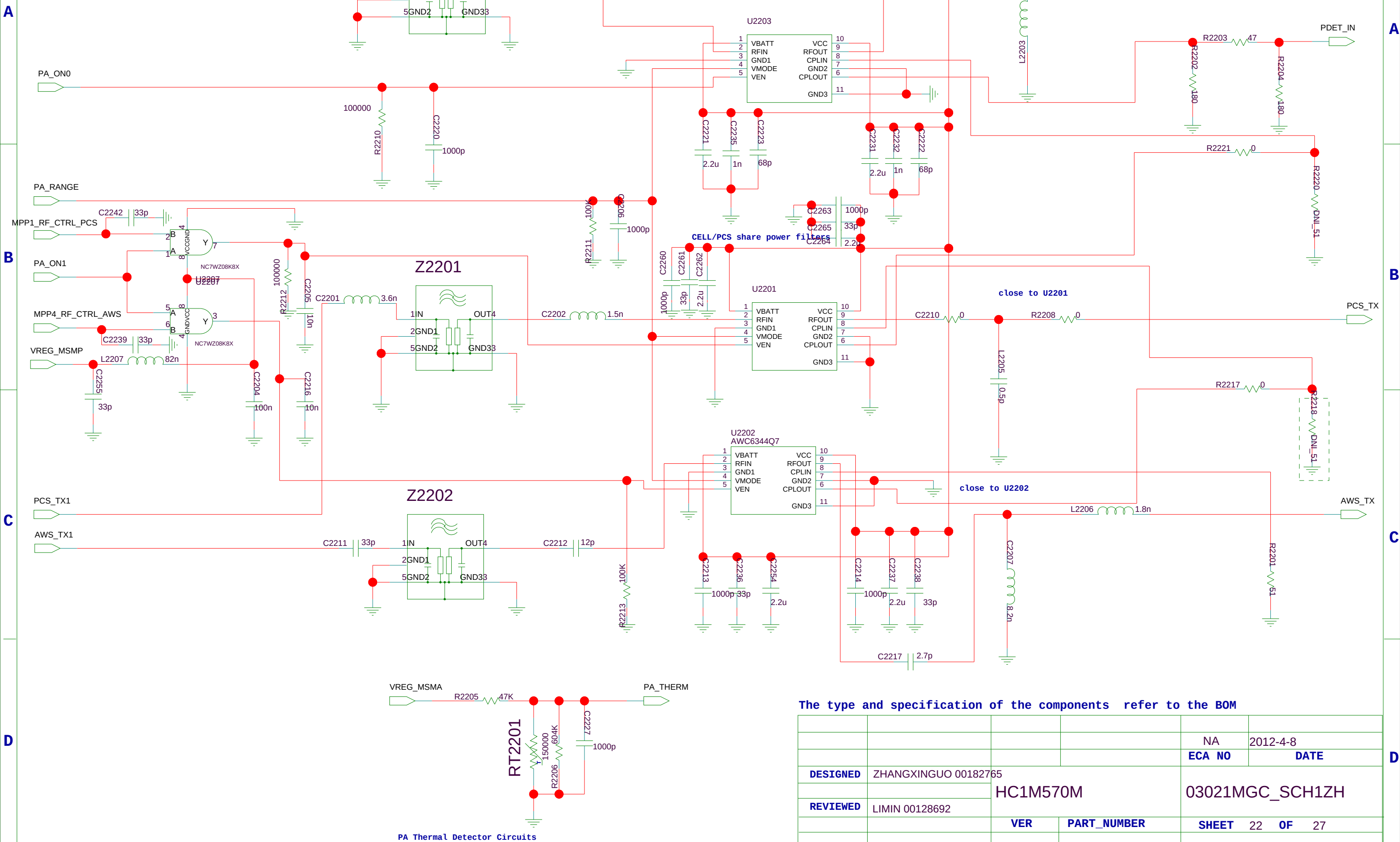
MPP4_RF_CTRL_AWS
MPP1_RF_CTRL_PCS

U2103 ANT_220 R2130 0 R2125 0 C2122 IND_dB1.1 C2123 DNI_2.4p U2109 ANT_220 R2126 0 U2110 ANT_220 R2131 0

The type and specification of the components refer to the BOM

		NA		2012-4-8	
		ECA NO		DATE	
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 21 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

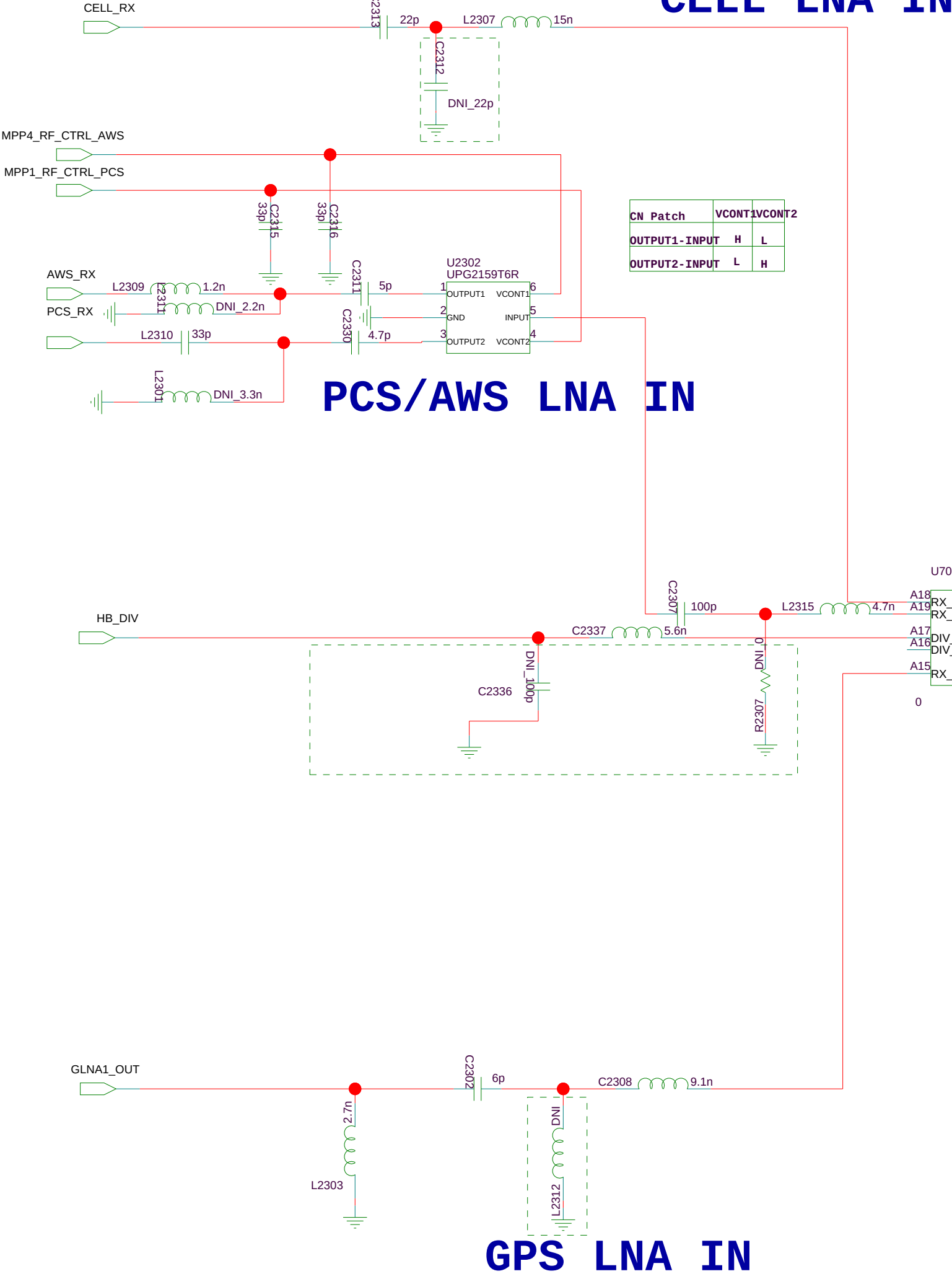
22. TX/PA



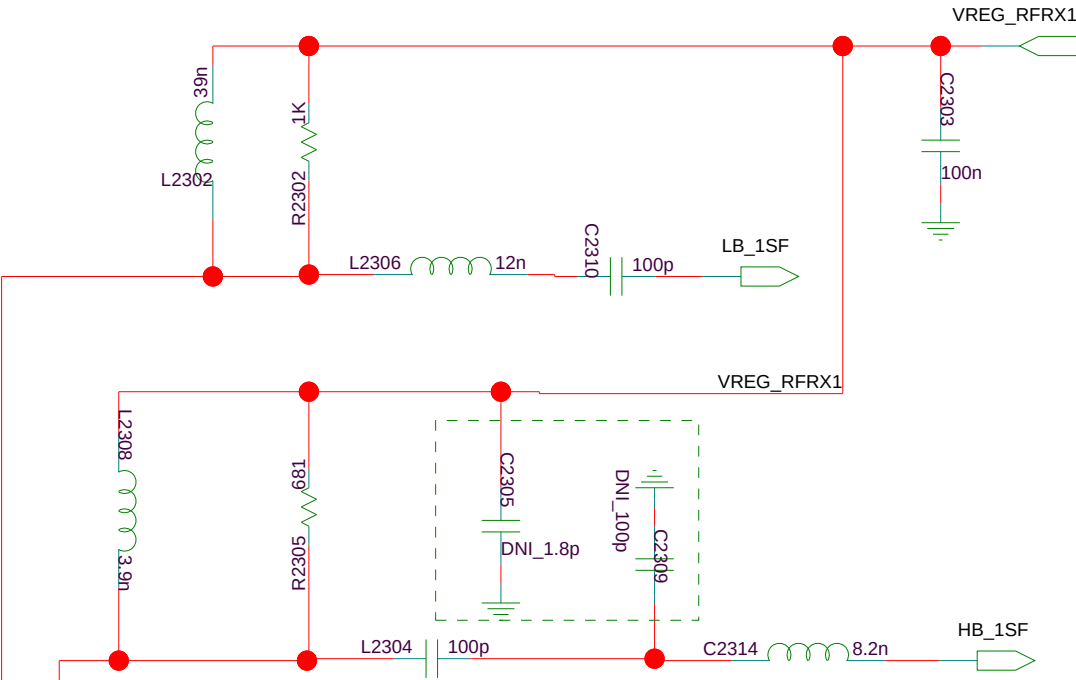
The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET	22 OF 27
		VB	03021MGC	HUAWEI TECH CO.,LTD	

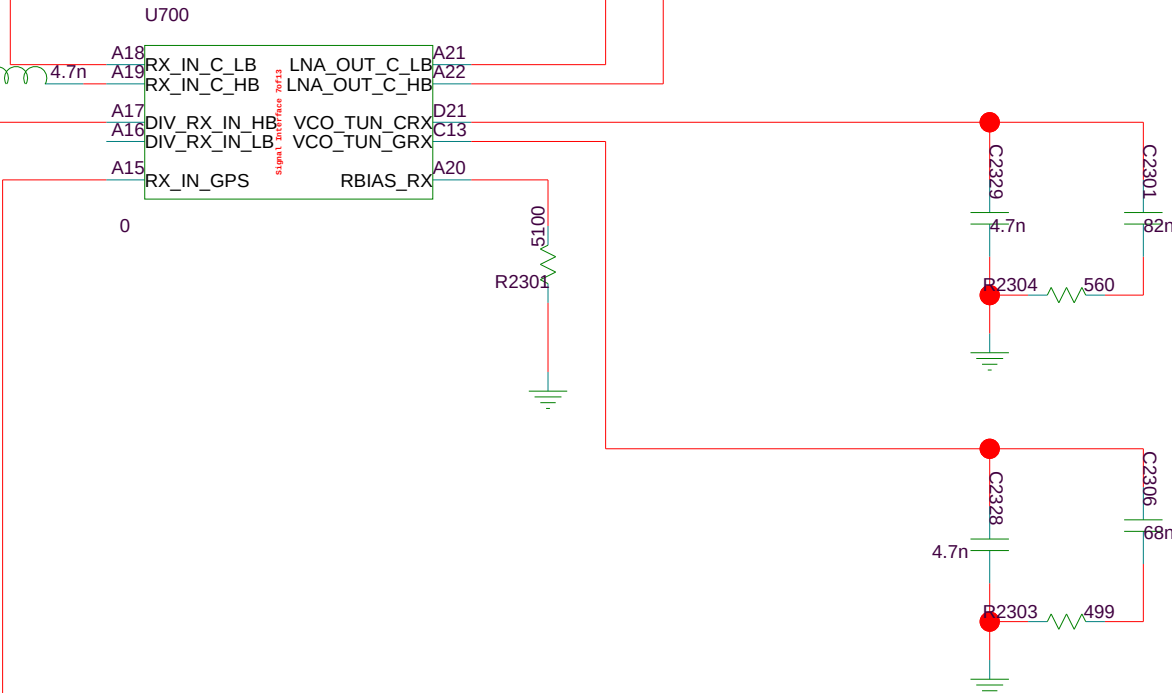
23.CDMA RX



CELL LNA OUT



PCS/AWS LNA OUT

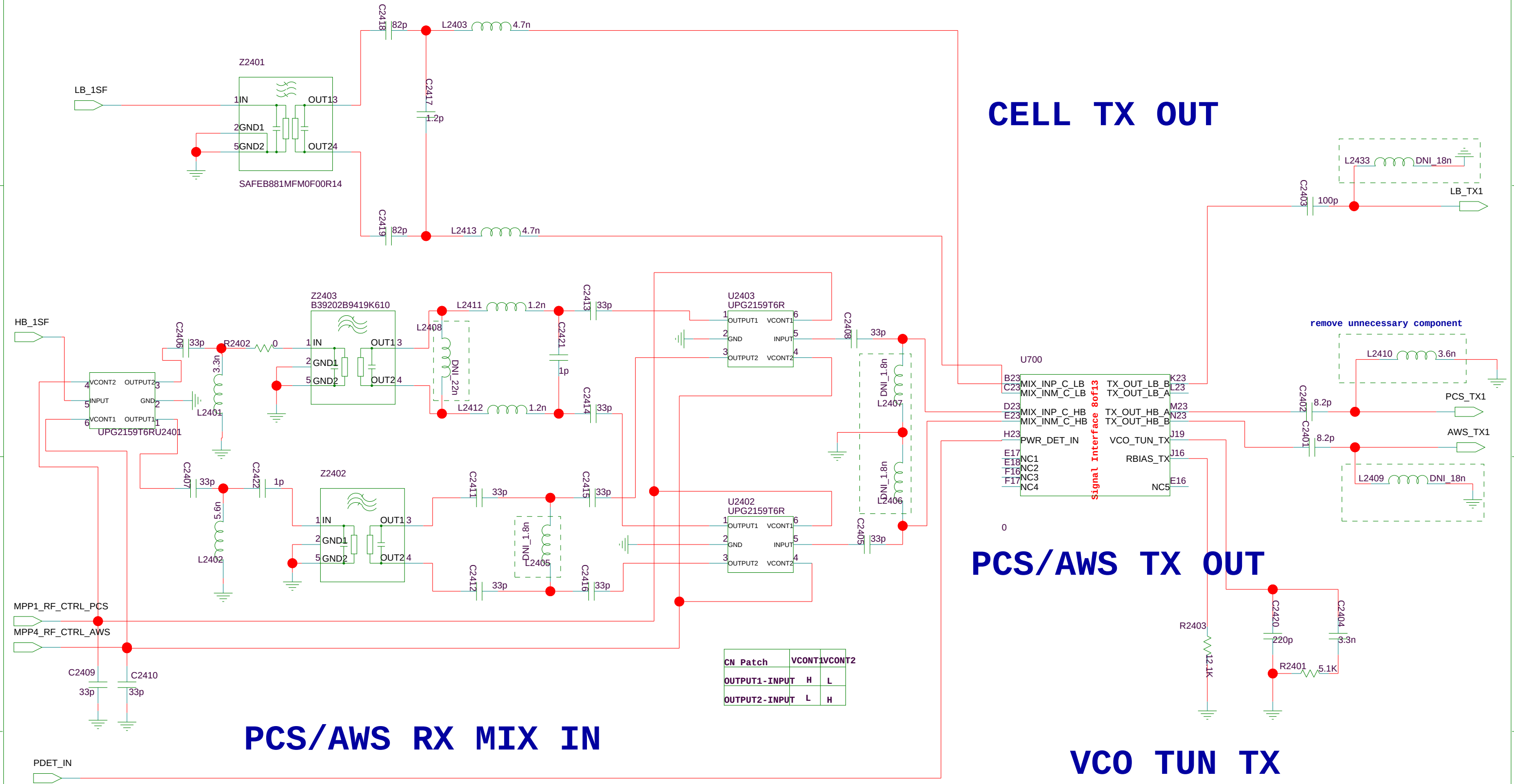


VCO TUN RX

The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 23 OF 27	
		VB	03021MGC	HUAWEI TECH CO.,LTD.	

24.CDMA RX/TX CELL RX MIX IN



CELL TX OUT

PCS/AWS TX OUT

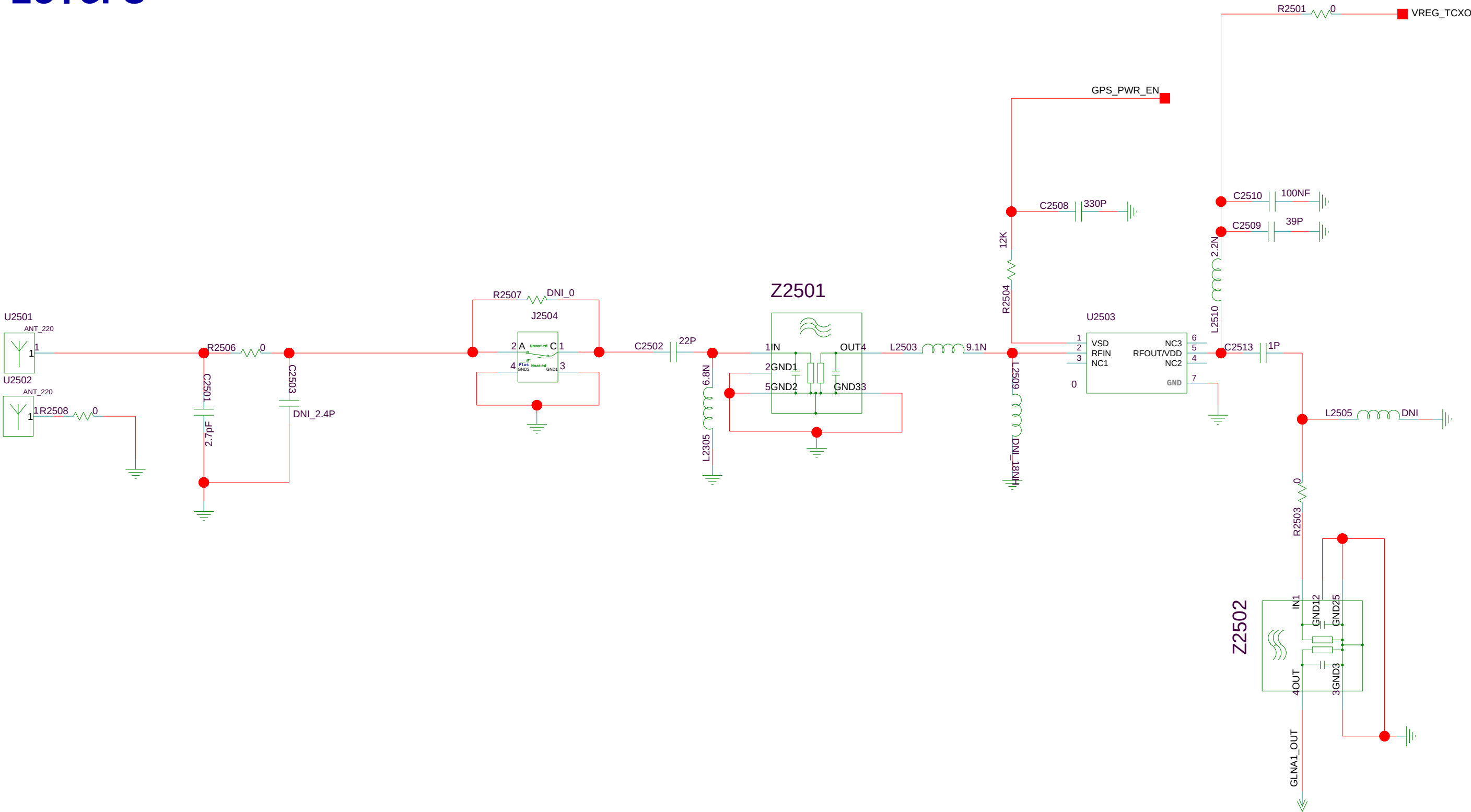
VCO TUN TX

PCS/AWS RX MIX IN

The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET	24 OF 27
		VB	03021MGC	HUAWEI TECH CO.,LTD.	

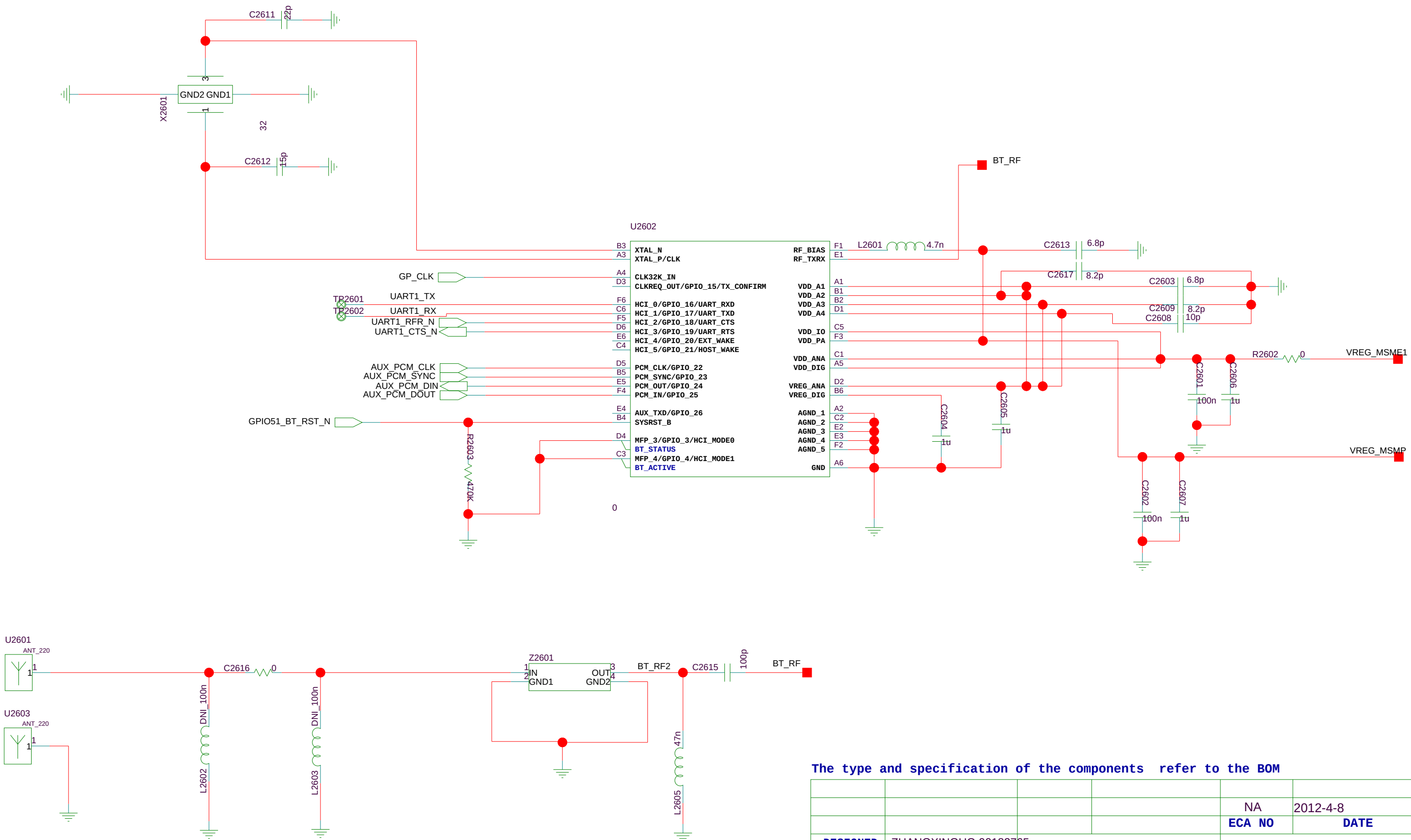
25 .GPS



The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 25 OF 27	
		VB	03021MGC	HUAWEI TECH CO.,LTD.	

26. Bluetooth



The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET	26 OF 27
		VB	03021MGC	HUAWEI TECH CO.,LTD	