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# 1. Contents

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 1 OF 21	
		VB	03021MGC	HUAWEI TECH CO.,LTD.	

# 2.GPIO and MPP Mapping

DEFAULT

GPIO0	GPIO0_TF_DETECT_N	P1PD
GPIO1	PA_ON1	P7PD
GPIO2	SDCC_CMD	P7PD
GPIO3	SDCC_DATA0	P7PD
GPIO4	SDCC_DATA1	P7PD
GPIO5	SDCC_DATA2	P7PD
GPIO6	SDCC_DATA3	P7PD
GPIO7	SDCC_CLK	P7PD
GPIO8	UART1_CTS_N	P5PD
GPIO9	UART1_RFR_N	P5PU
GPIO10	CAN NOT BE USED	P3PU
GPIO11	GPIO11_LCD_ID1	P2PD
GPIO12		P2NP
GPIO13	MDP_VSYNC_PRI	P2PD
GPIO14	GPIO14_LCD_ID0	P2PD
GPIO15	KPD_N3	P6PU
GPIO16	KPD_N2	P6PU
GPIO17	KPD_N1	P6PU
GPIO18	KPD_N0	P6PU
GPIO19	KPD_N4	P6PU
GPIO20	KEYSNS_N4	P6PU
GPIO21	KEYSNS_N3	P6PU
GPIO22	KEYSNS_N2	P6PU
GPIO23	KEYSNS_N1	P6PU
GPIO24	KEYSNS_N0	P6PU
GPIO25	GPS_PWR_EN	P7PU
GPIO26	PA_RANGE	P7PD
GPIO27	AUX_PCM_SYNC	P5PD
GPIO28	AUX_PCM_DIN	P5PD
GPIO29	AUX_PCM_DOUT	P5PD
GPIO30	AUX_PCM_CLK	P5PD

DEFAULT

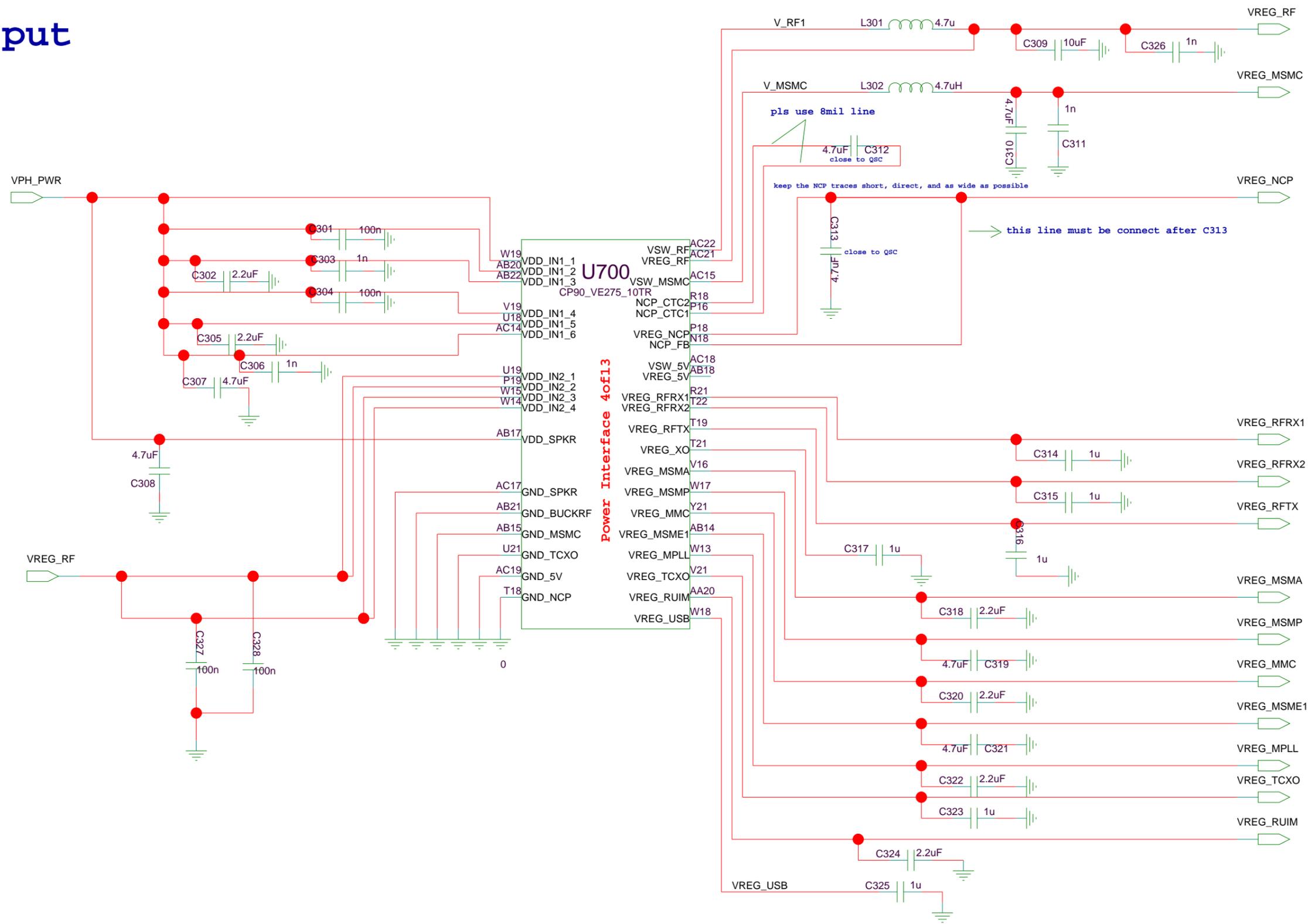
GPIO31	GPIO31_LCDBL_CTL	P6PD
GPIO32	CAMIF_PCLK	P6PD
GPIO33	CAMIF_HSYNC_IN	P6PD
GPIO34	CAMIF_VSYNC_IN	P6PD
GPIO35	CAM_PD	P6PD
GPIO36	CAM_ID	P6PD
GPIO37		P6PD
GPIO38	CAMIF_DATA2	P6PD
GPIO39	CAMIF_DATA3	P6PD
GPIO40	CAMIF_DATA4	P6PD
GPIO41	CAMIF_DATA5	P6PD
GPIO42	CAMIF_DATA6	P6PD
GPIO43	CAMIF_DATA7	P6PD
GPIO44	CAMIF_DATA8	P6PD
GPIO45	CAMIF_DATA9	P6PD
GPIO46	CAMIF_CLK	P6PD
GPIO47	I2C_SDA	P6PU
GPIO48	I2C_SCL	P6PU
GPIO49	GPIO49_EARSNS_N	P6PU
GPIO50	GP_CLK	P6PD
GPIO51	GPIO51_BT_RST_N	P1NP
GPIO52		P1NP
GPIO53	UIM_RESET	P3PD
GPIO54	UIM_CLK	P3PD
GPIO55	UIM_DATA	P3PD
GPIO56	TRK_LO_ADJ	P7PD
GPIO57	SECURE_BOOT	P6PD

MPP1	MPP1_RF_CTRL_PCS
MPP2	CAMIF_RESOUT_N
MPP3	KPD_DRV_N
MPP4	MPP4_RF_CTRL_AWS

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 2 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

# 3.PM Output

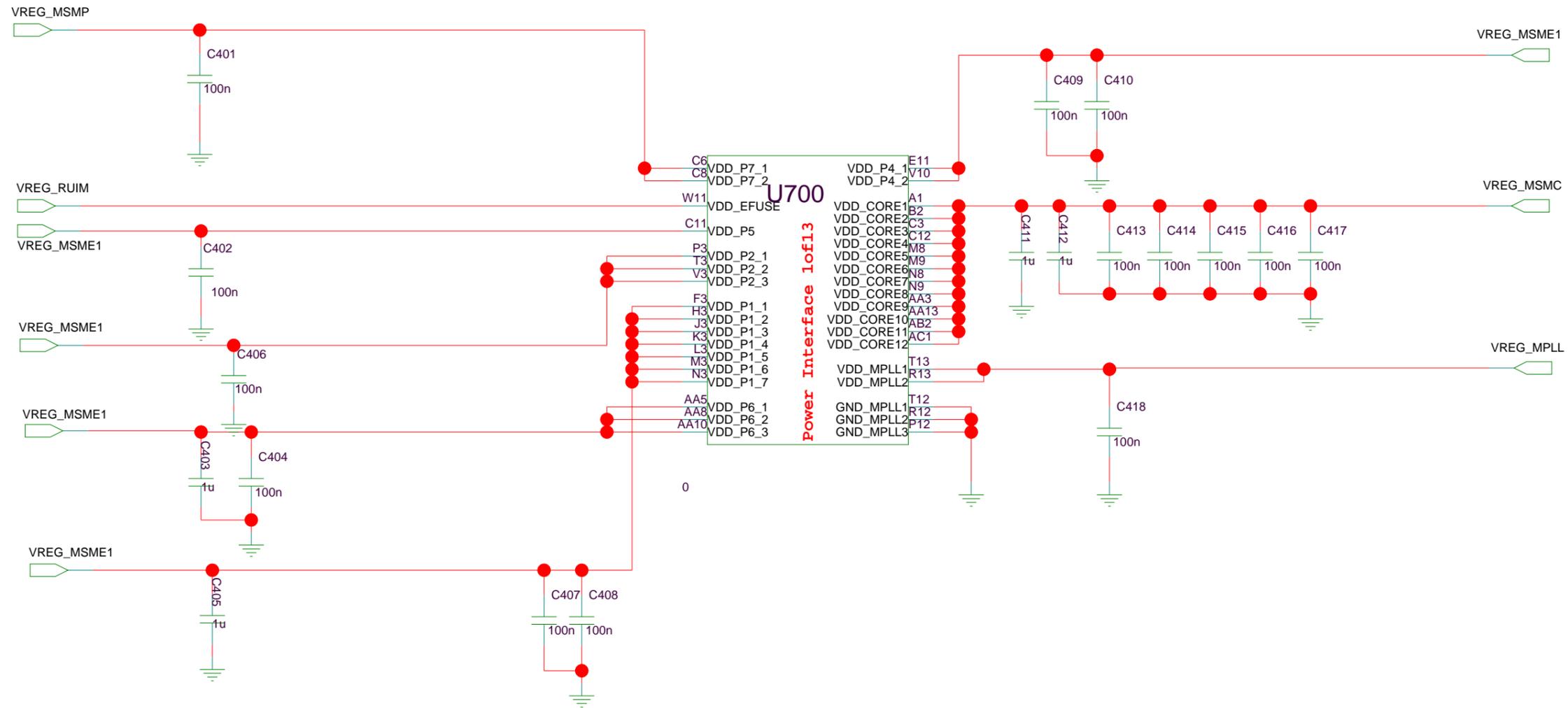


VREG_MSMC	1.3V	500mA
VREG_RF	2.1V	600mA
VREG_MSMA	2.1V	300mA
VREG_MSME1	1.8V	300mA
VREG_MSMP	2.6V	300mA
VREG_MPLL	1.3V	150mA
VREG_RFRX1	2.1V	150mA
VREG_RFRX2	2.1V	150mA
VREG_RPTX	2.1V	150mA
VREG_MMC	2.85V	150mA
VREG_5V	5.0V	600mA
VREG_TCXO	2.85V	50mA
VREG_USB	3.3V	50mA
VREG_XO	2.1V	50mA
VREG_RUIM	2.85V	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	HUAWEI TECH CO.,LTD.	

# 4.Core & IO & Mpll Power

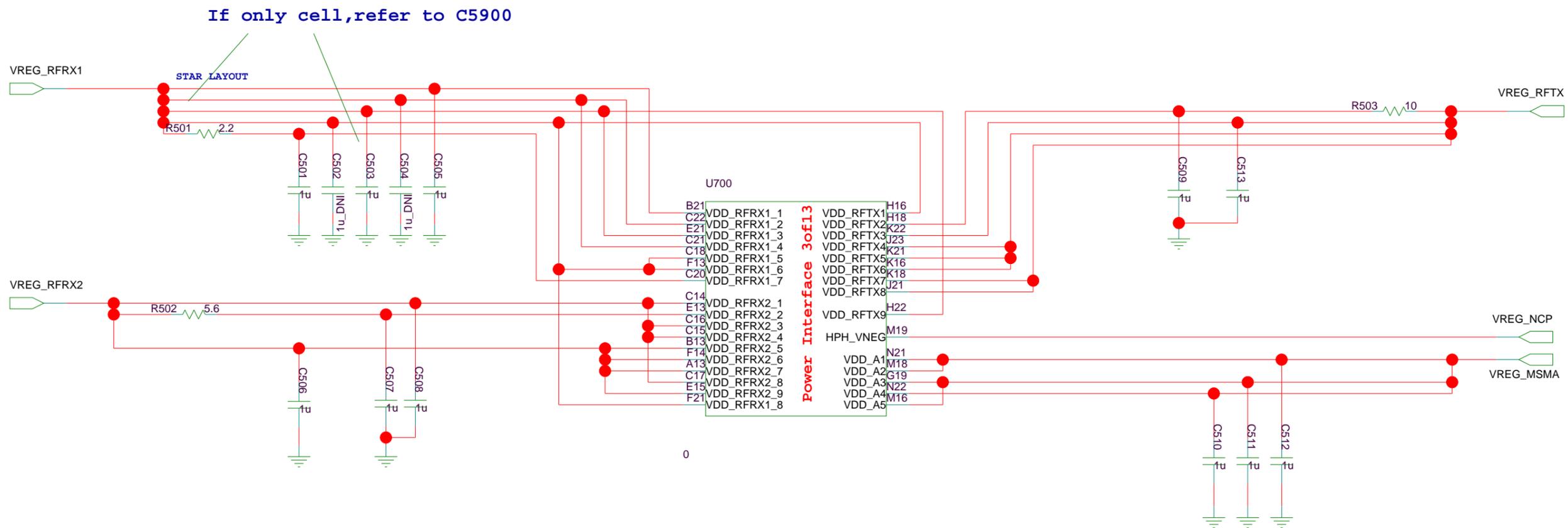


pad group	description
P1	EBI1
P2	EBI2
P3	internal connect
P4	MODE select
P5	UART1 & PCM IF
P6	CAM IF & KPD
P7	SD IF & JTAG

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

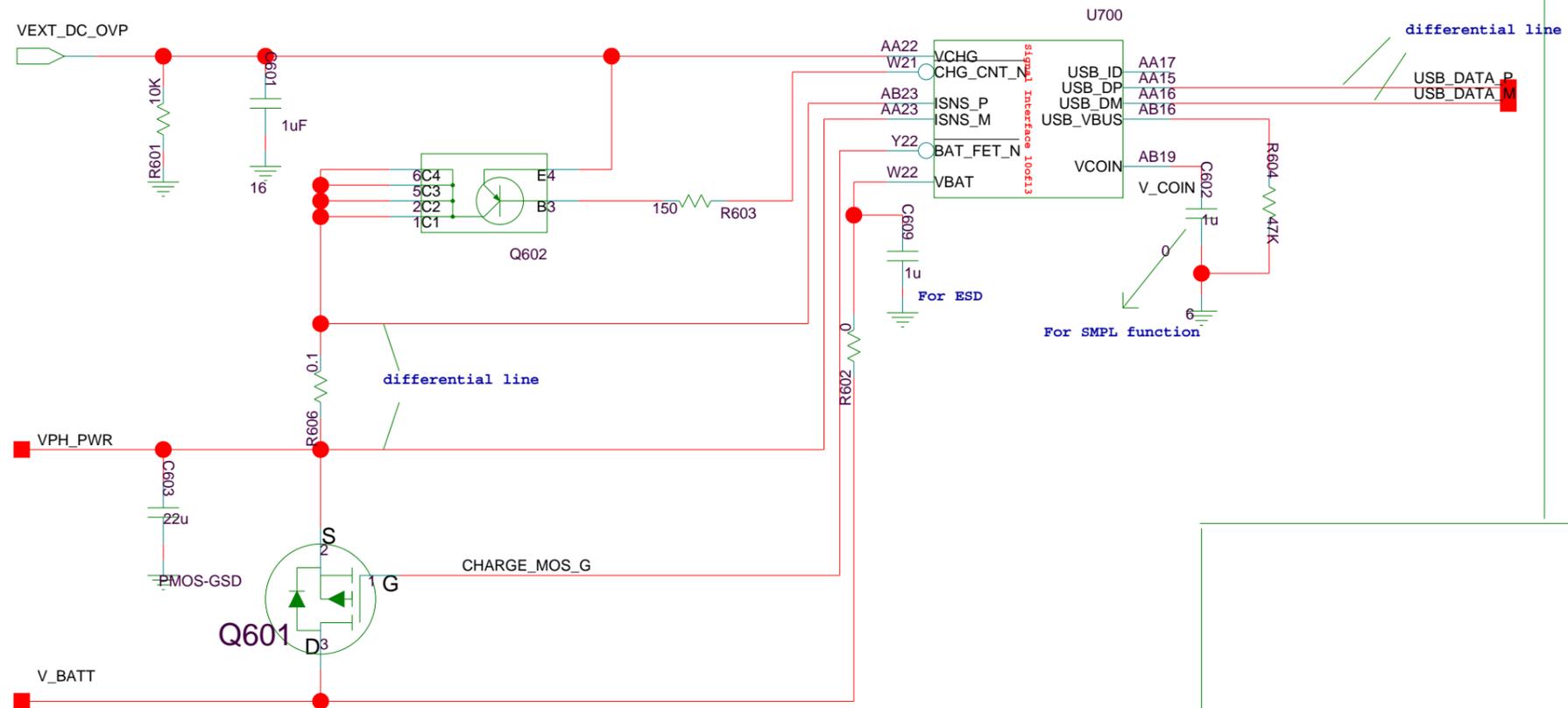


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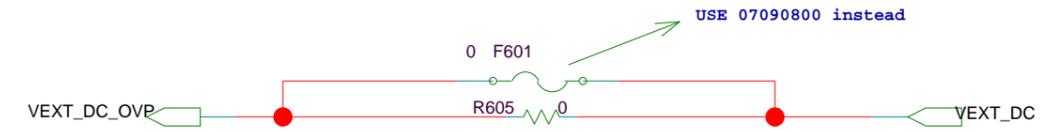
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DESIGNED	ZHANGXINGUO 00182765		HC1M570M		03021MGC_SCH1ZH
REVIEWED	LIMIN 00128692		VER	PART_NUMBER	SHEET 5 OF 27
			VB	03021MGC	HUAWEI TECH CO.,LTD.

# 6.Charge & BATT & USB & OVP

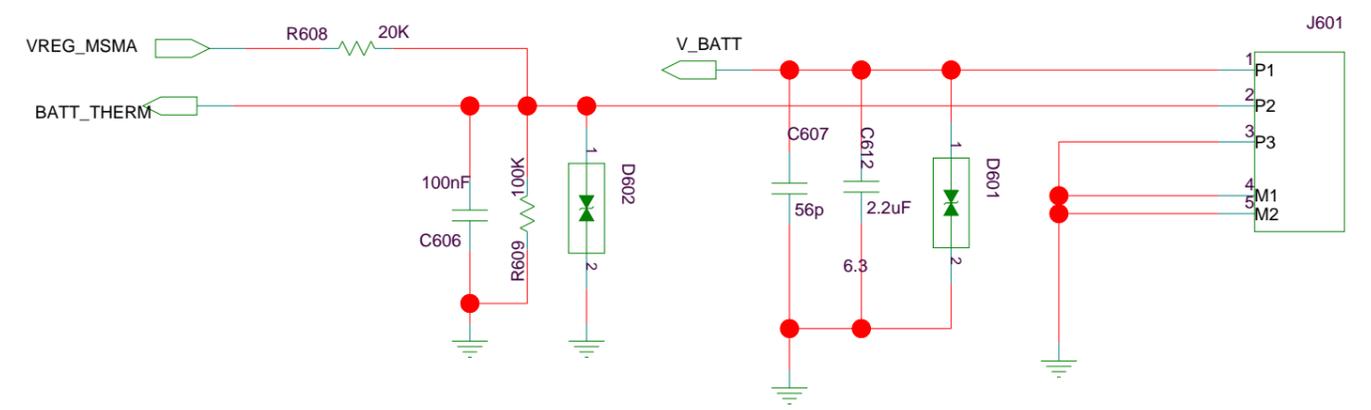
## PM Input & USB



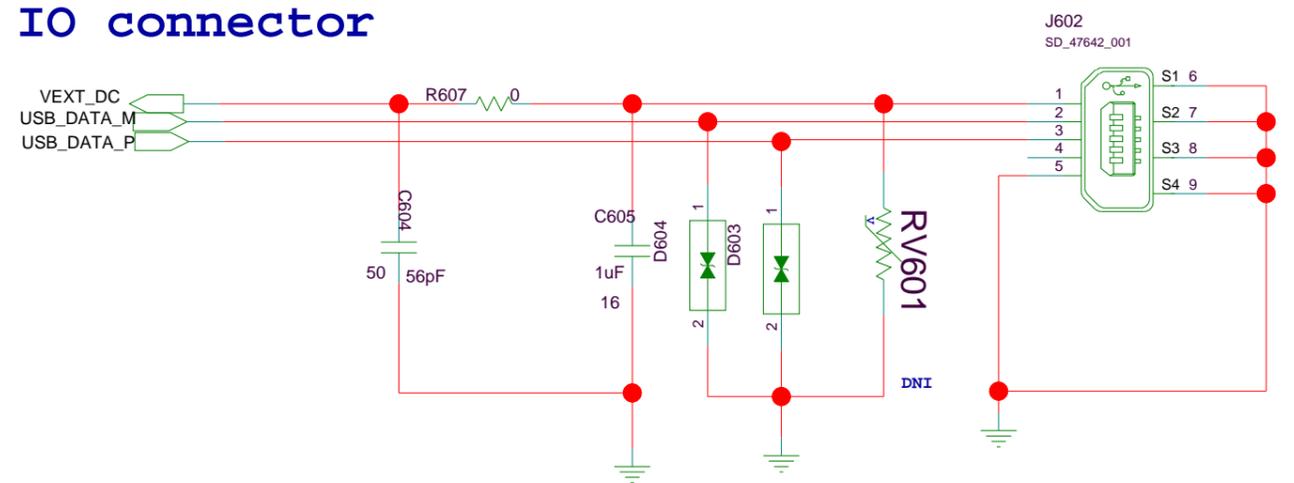
## CHARGER OVP



## BATT Connector



## IO connector

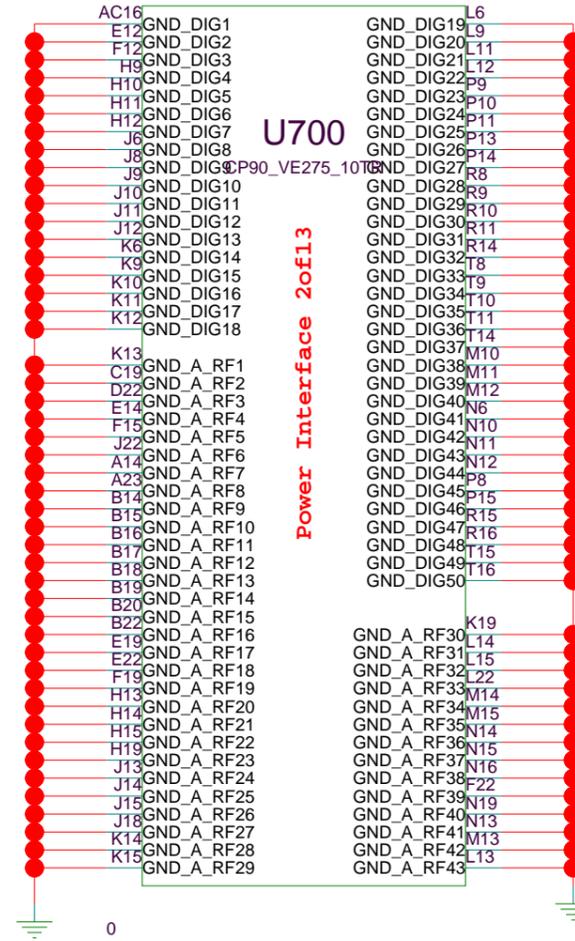


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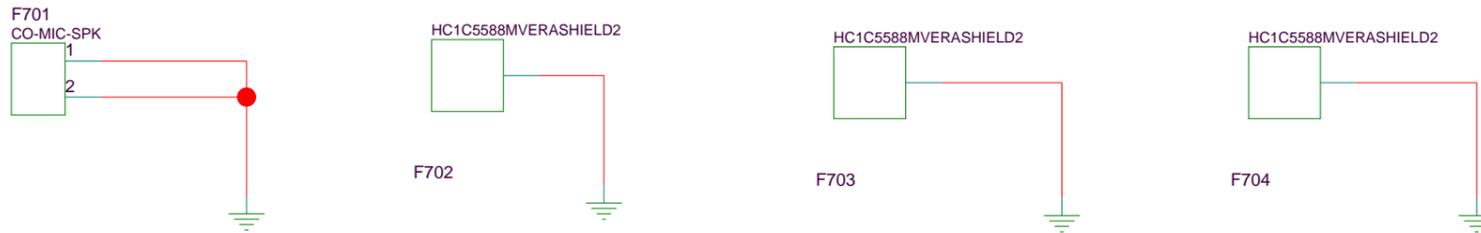
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REVIEWED	LIMIN 00128692	VER	PART_NUMBER	SHEET 6 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

# 7.GND & Shield

## GND



## Shield



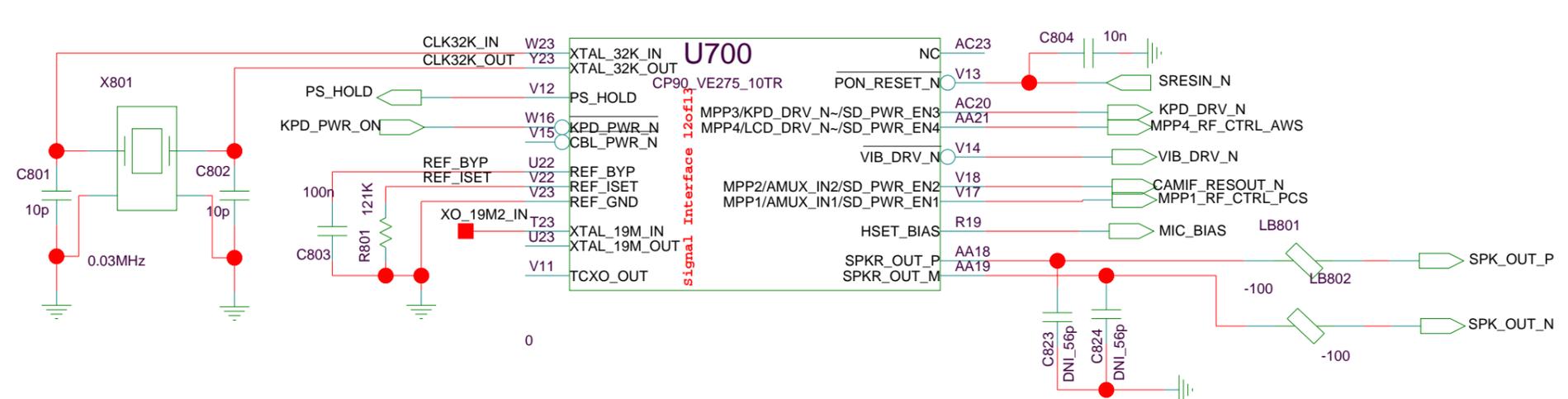
shield and hole need to confirm with MD & CAD.

The type and specification of the components refer to the BOM

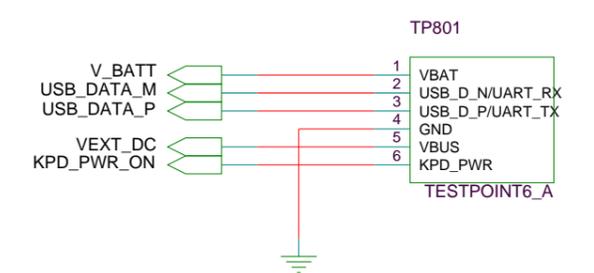
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REVIEWED	LIMIN 00128692			03021MGC_SCH1ZH	
	VER	PART_NUMBER	SHEET 7 OF 27		
	VB	03021MGC	HUAWAI TECH CO.,LTD.		

# 8. OSC & VCTCXO & JTAG & Test Point

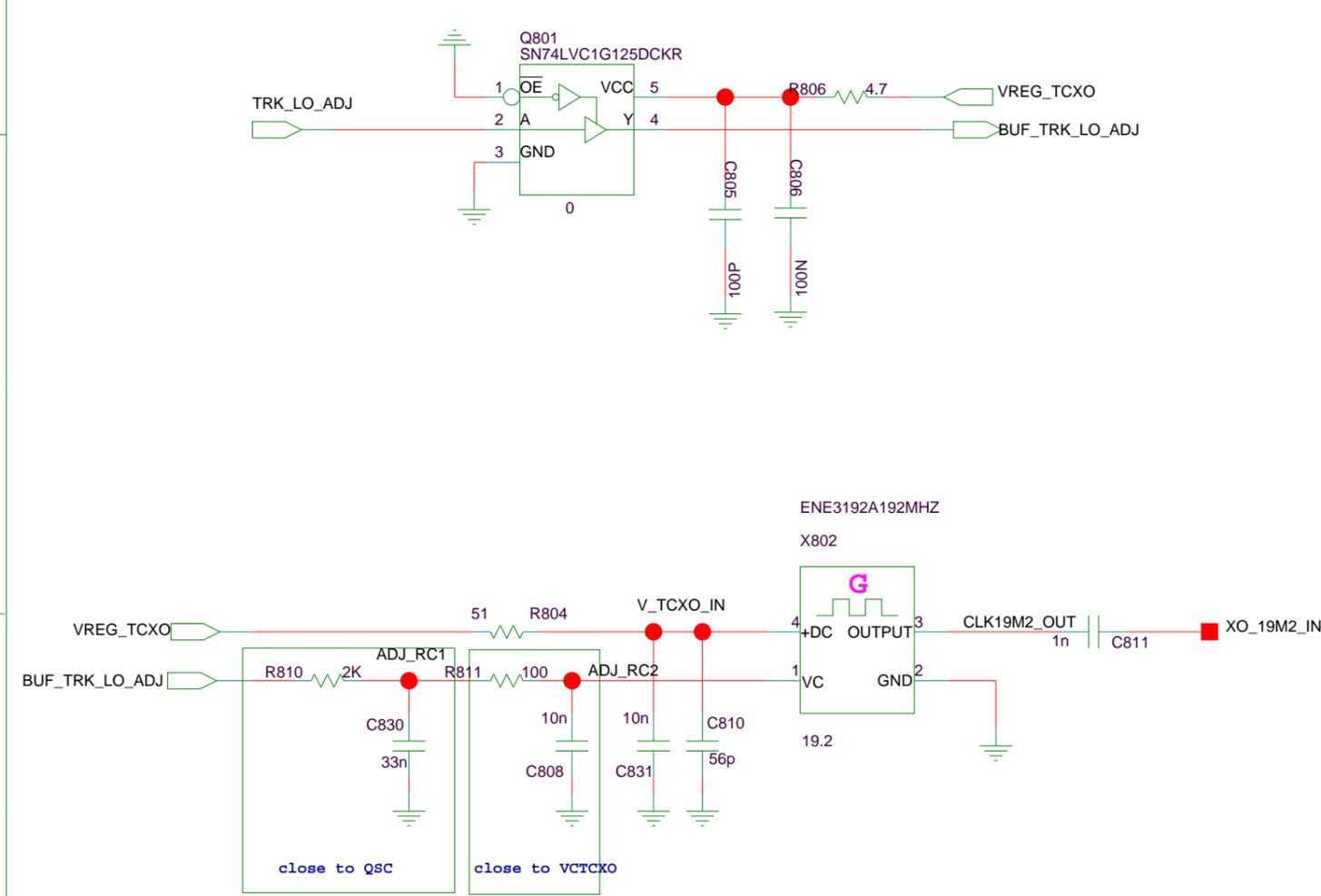
## SYS OSC



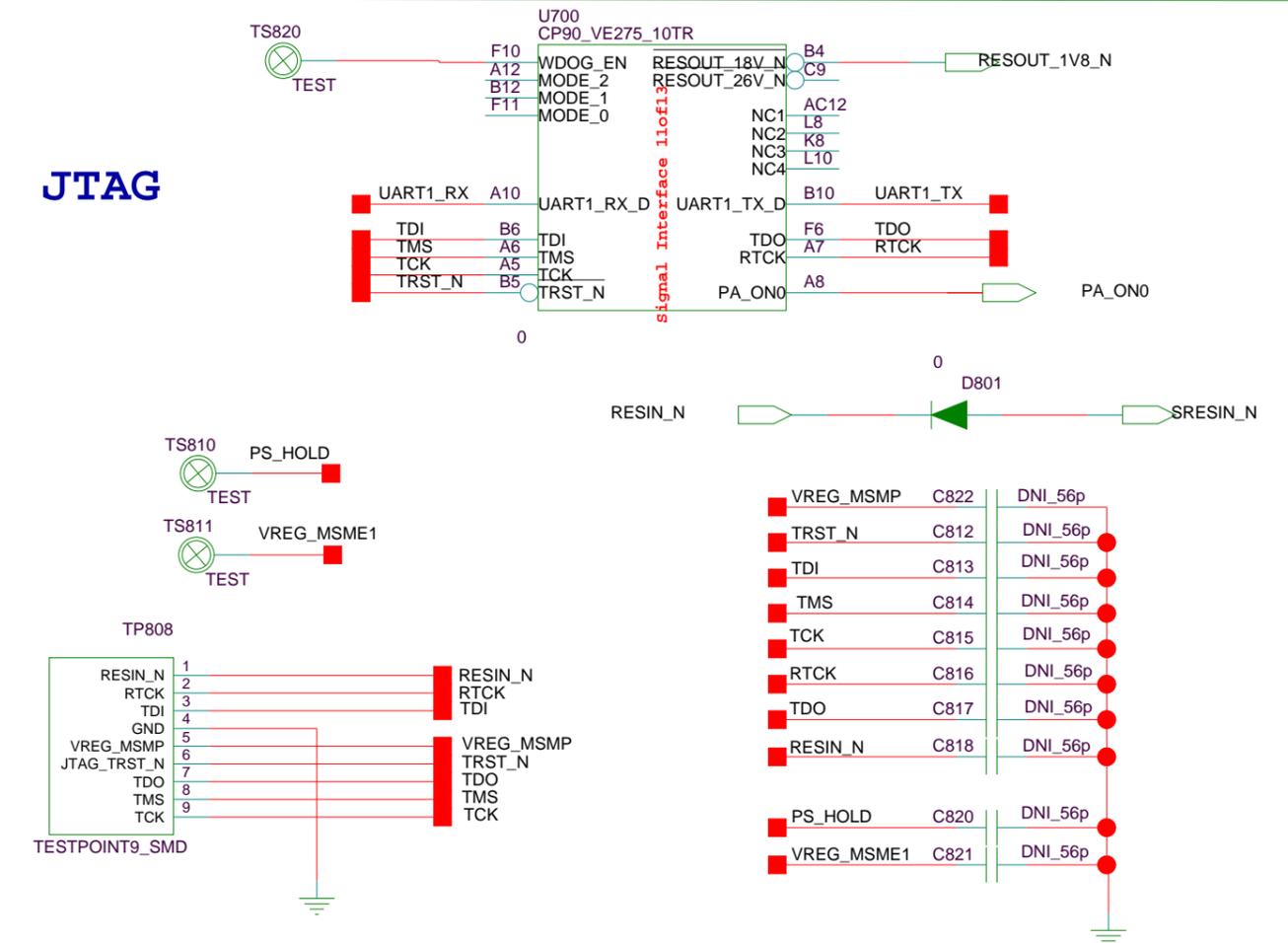
## MT Point



## 19M2 VCTCXO



## JTAG



The type and specification of the components refer to the BOM

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

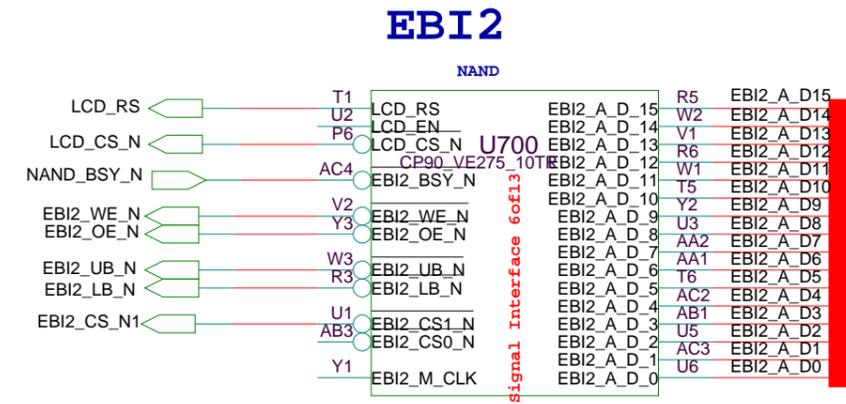
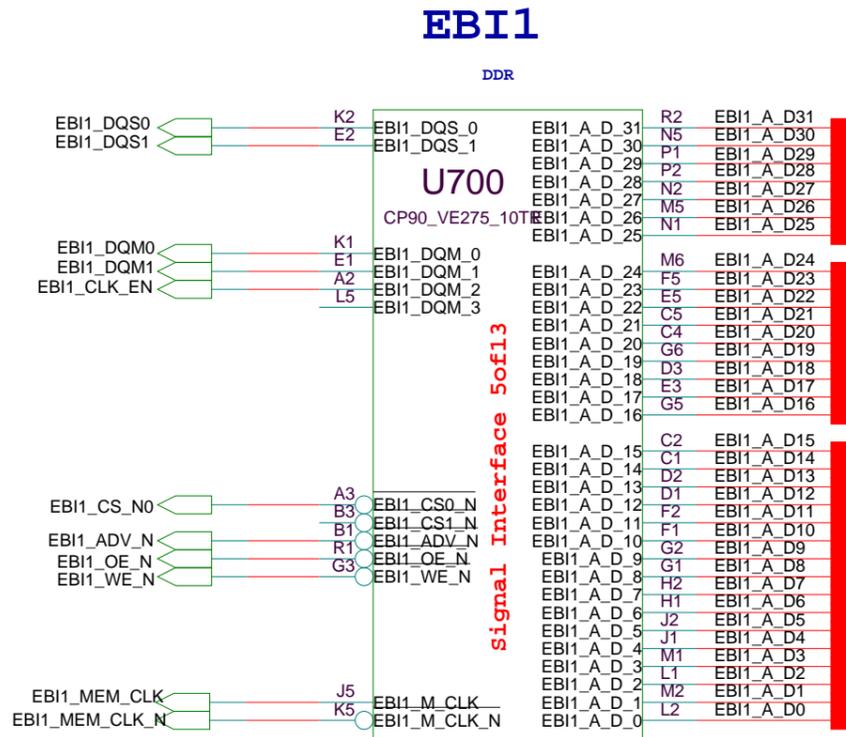
# 9. EBI & GPIO IF

EBI1\_CS\_N0  
EBI1\_CS\_N1  
EBI1\_CS\_N2  
EBI1\_CS\_N3

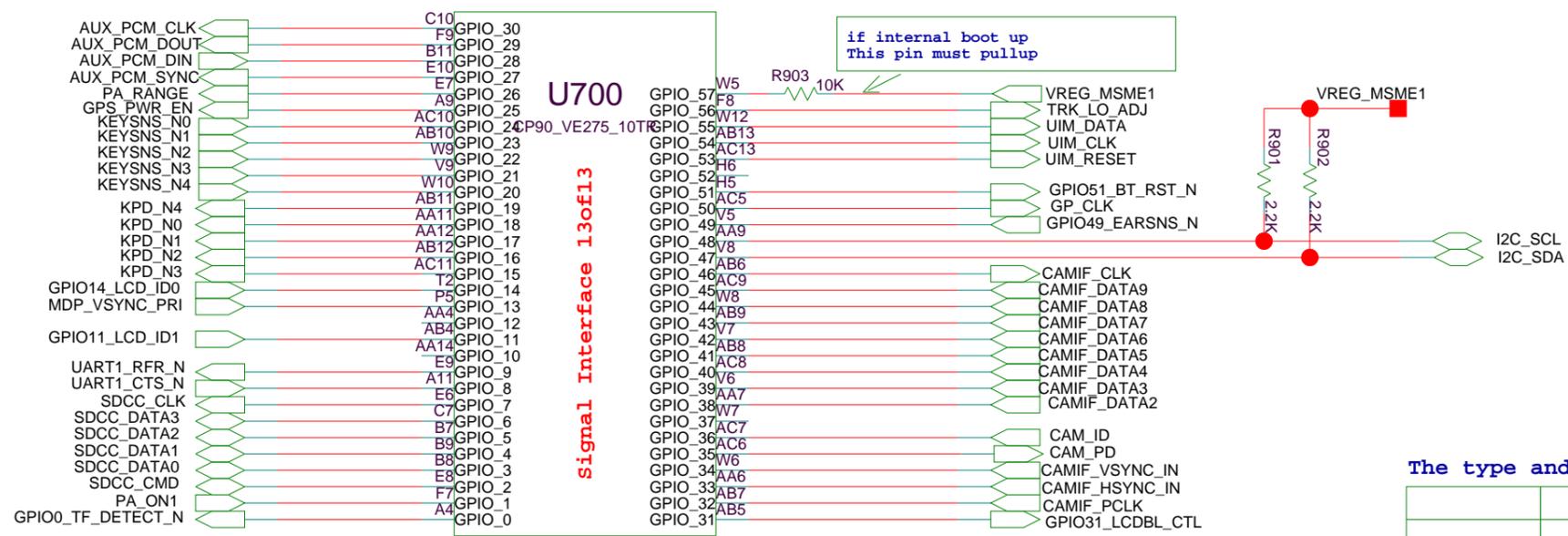
SDRAM or NORflash  
SDRAM  
GPIO51  
GPIO52

EBI2\_CS\_N0  
EBI2\_CS\_N1  
EBI2\_CS\_N2  
EBI2\_CS\_N3

BOOT CS for NORflash  
NANDflash main CS  
For other chip CS  
NANDflash second CS



## GPIO

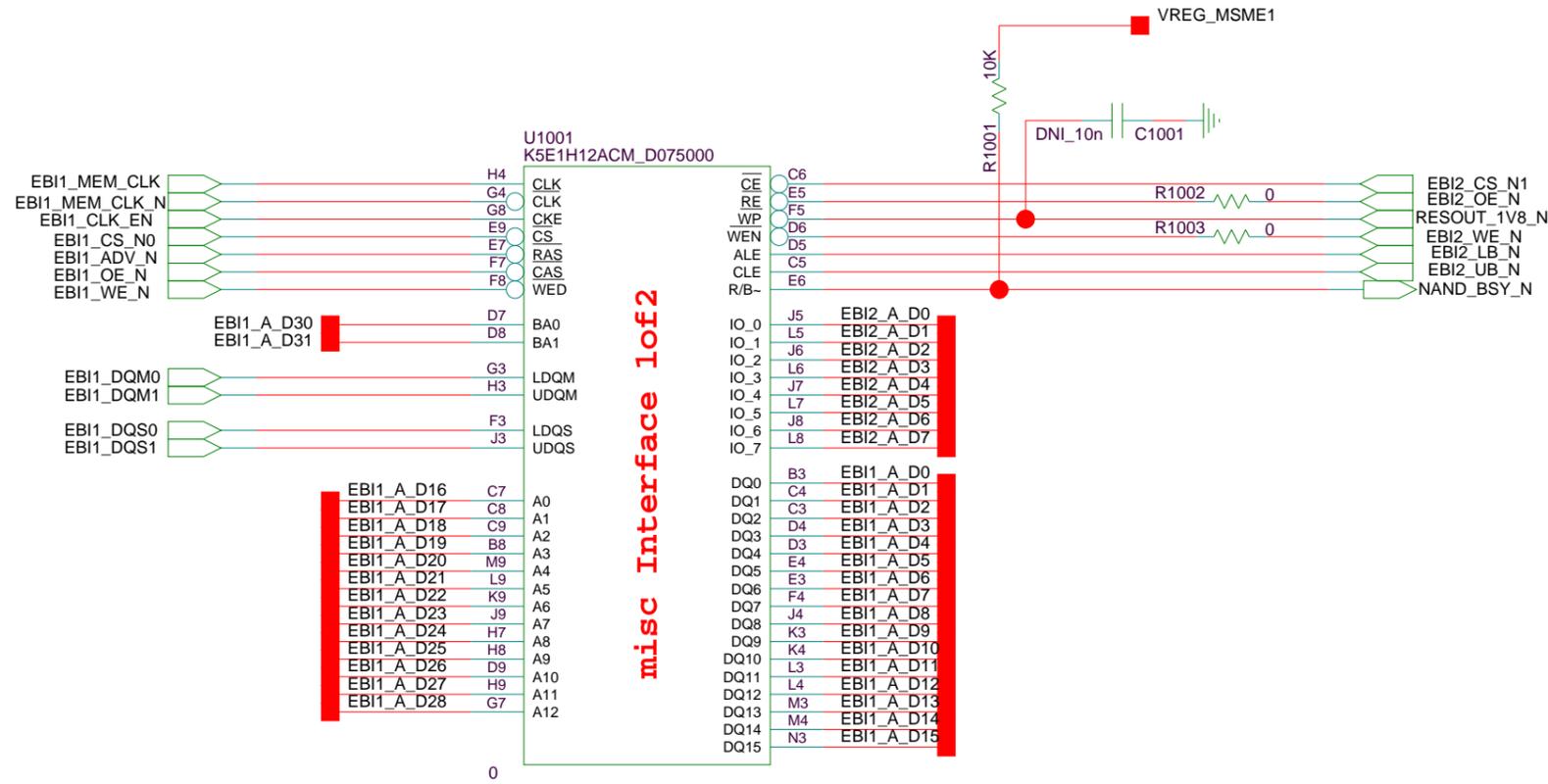


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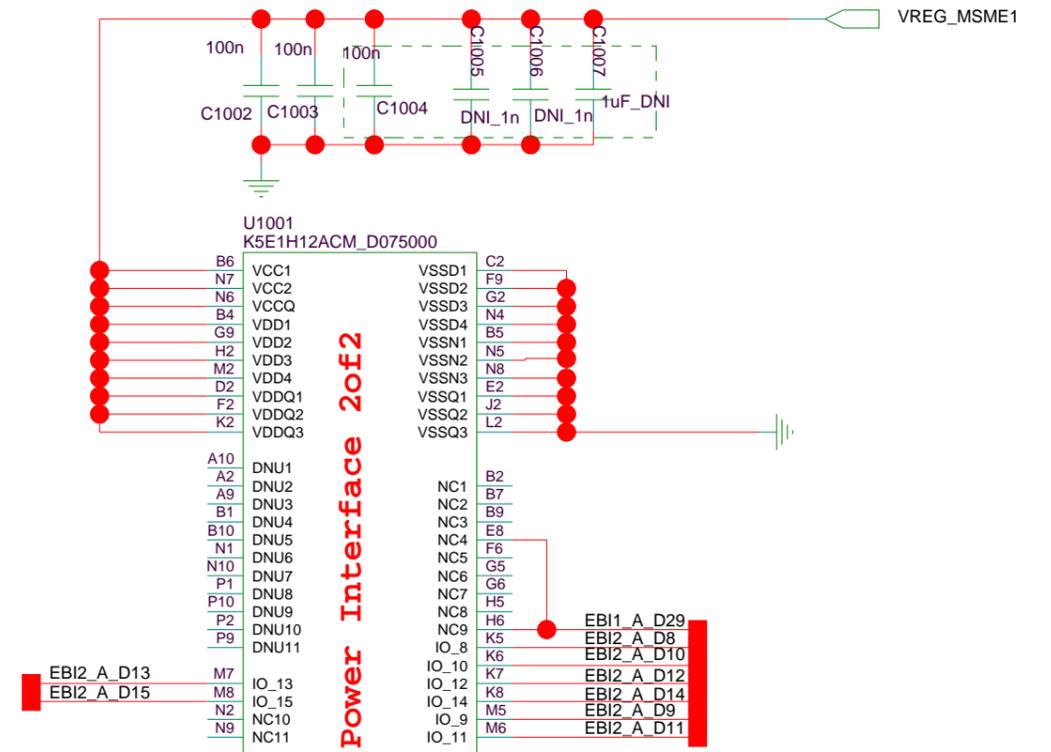
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REVIEWED	LIMIN 00128692	VER	PART_NUMBER	SHEET 9 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

# 10.Memory

## 1Gb NAND+512Mb DDR



## Power

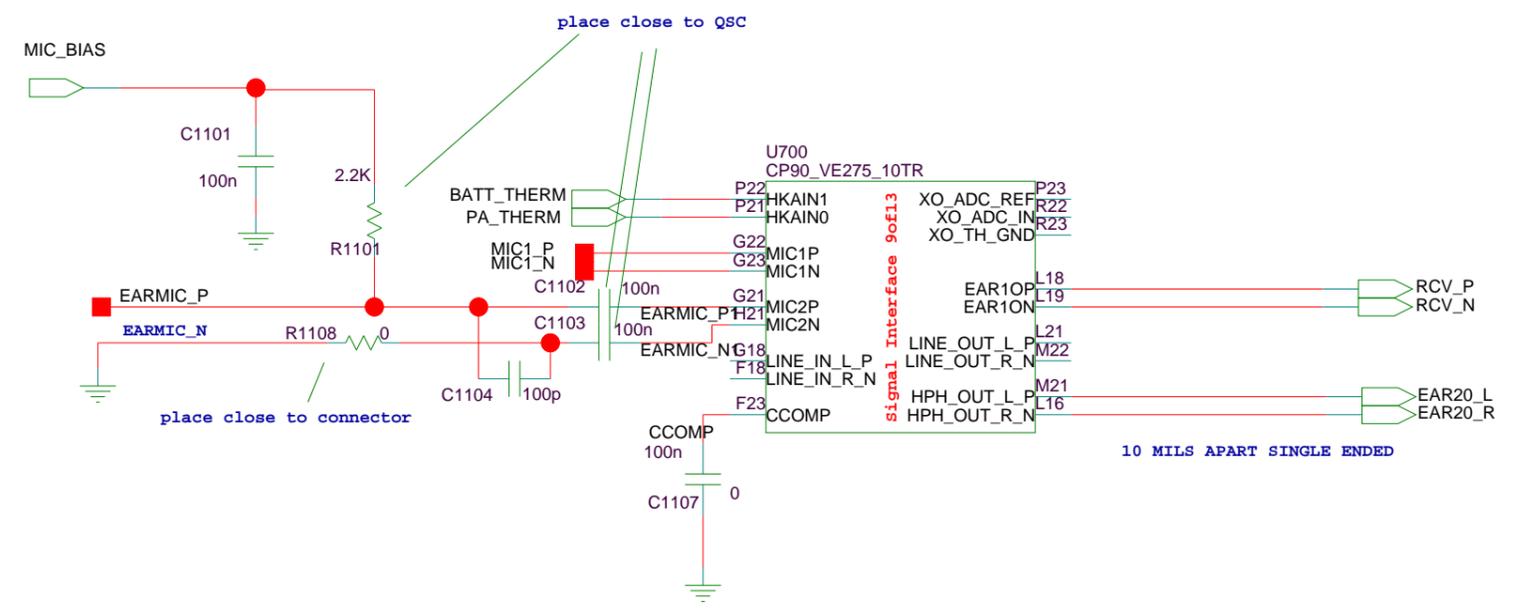


The type and specification of the components refer to the BOM

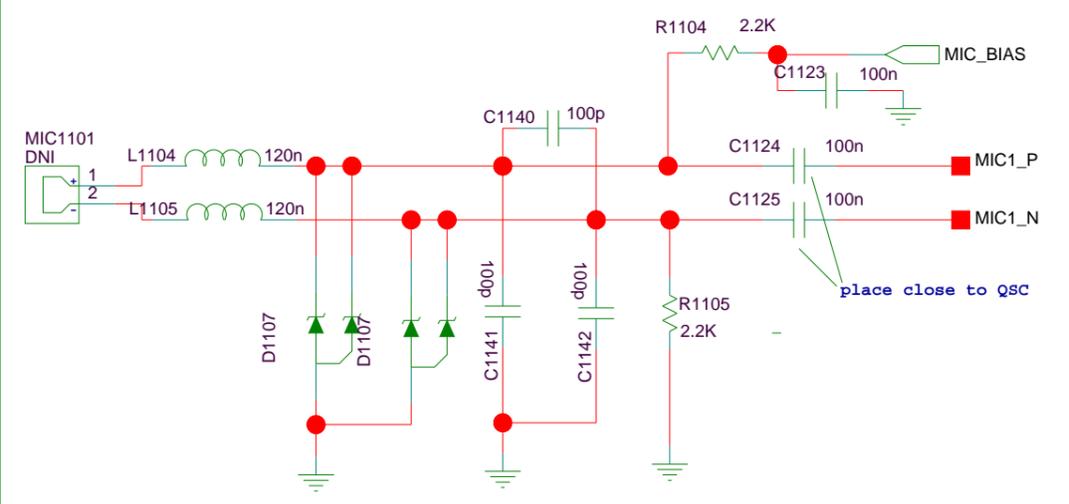
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REVIEWED	LIMIN 00128692				
		HC1M570M			03021MGC_SCH1ZH
		VER	PART_NUMBER		SHEET 10 OF 27
		VB	03021MGC		HUAWEI TECH CO.,LTD.

# 11.Audio & SPK & RCV & MIC

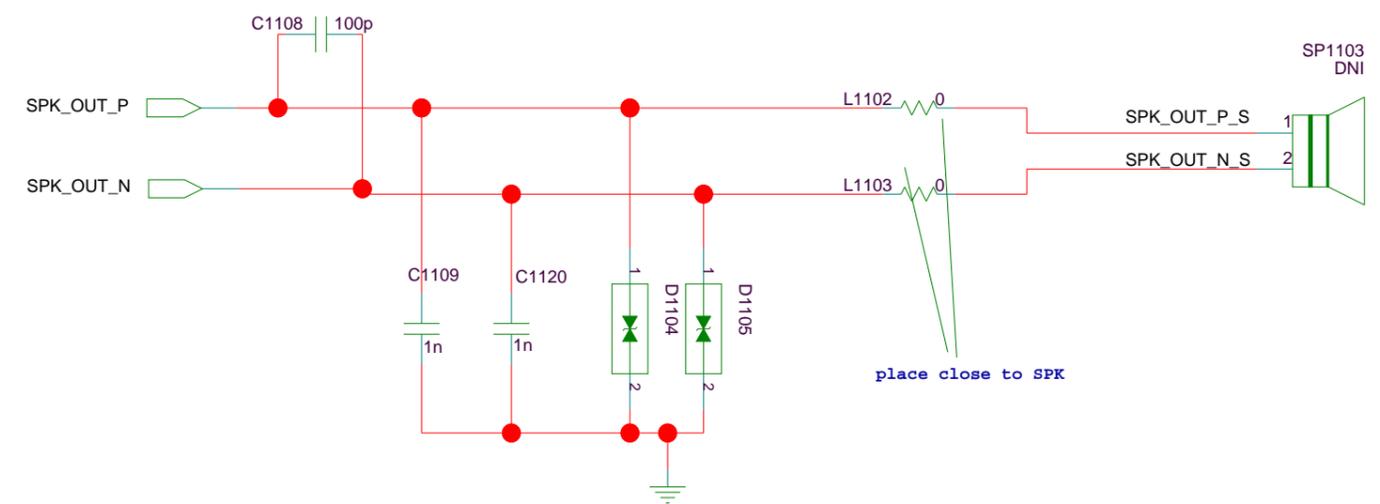
## AUDIO



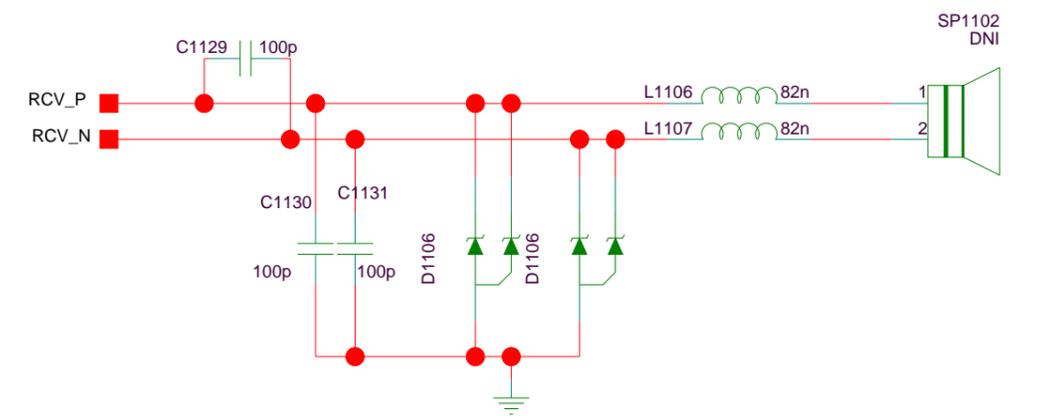
## MIC



## SPEAKER



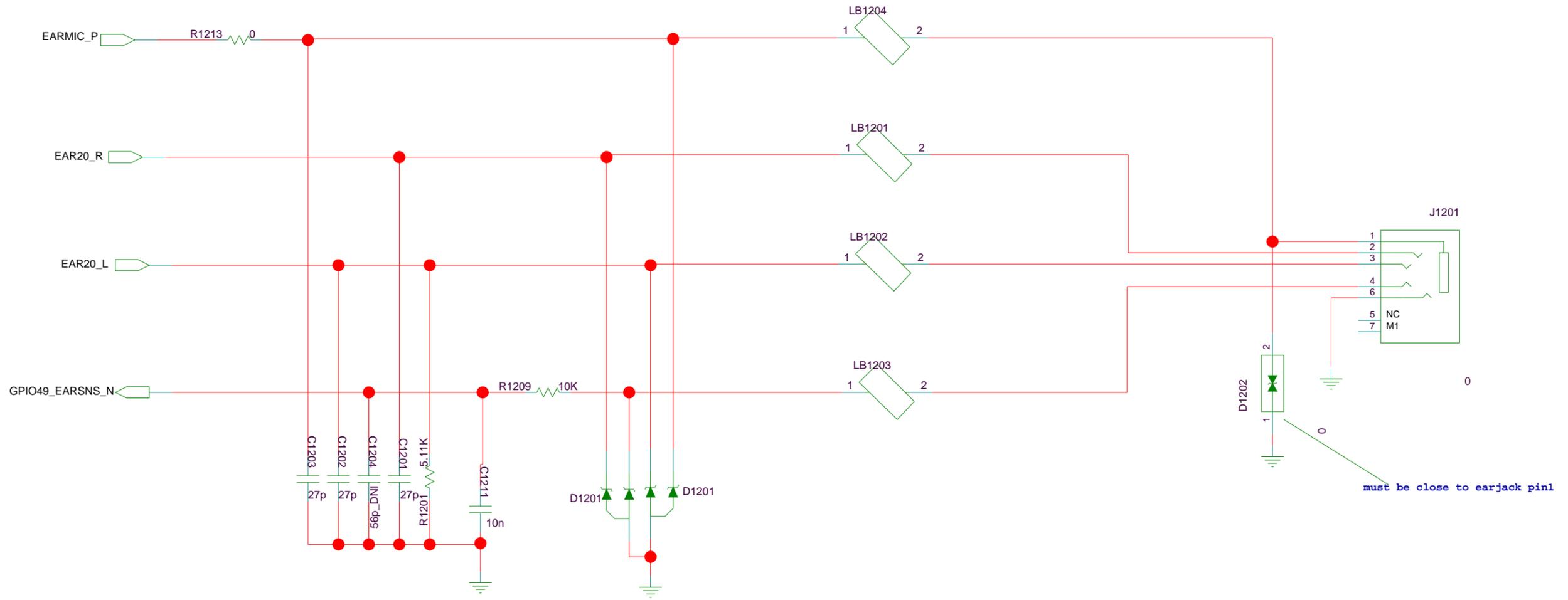
## RCV



The type and specification of the components refer to the BOM

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				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

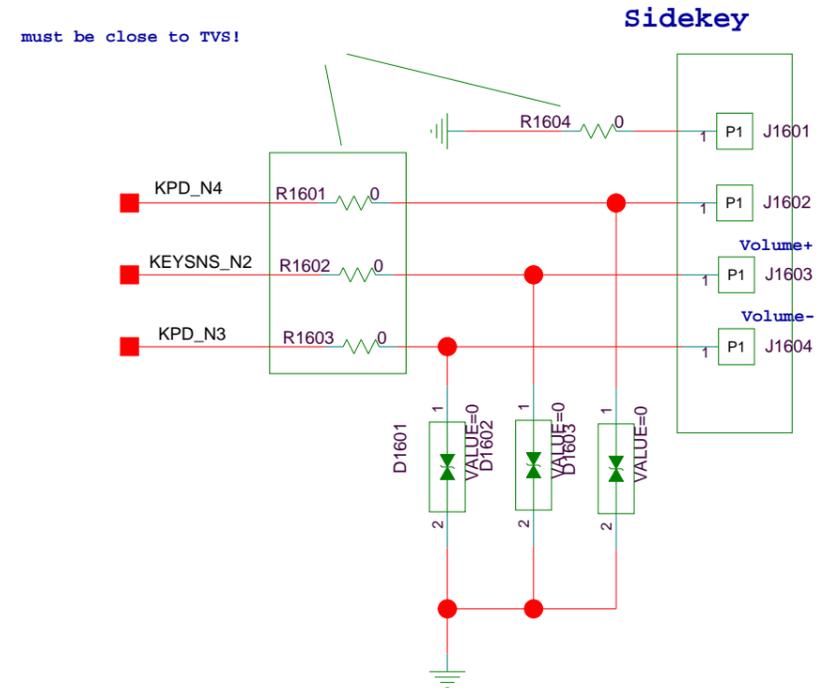
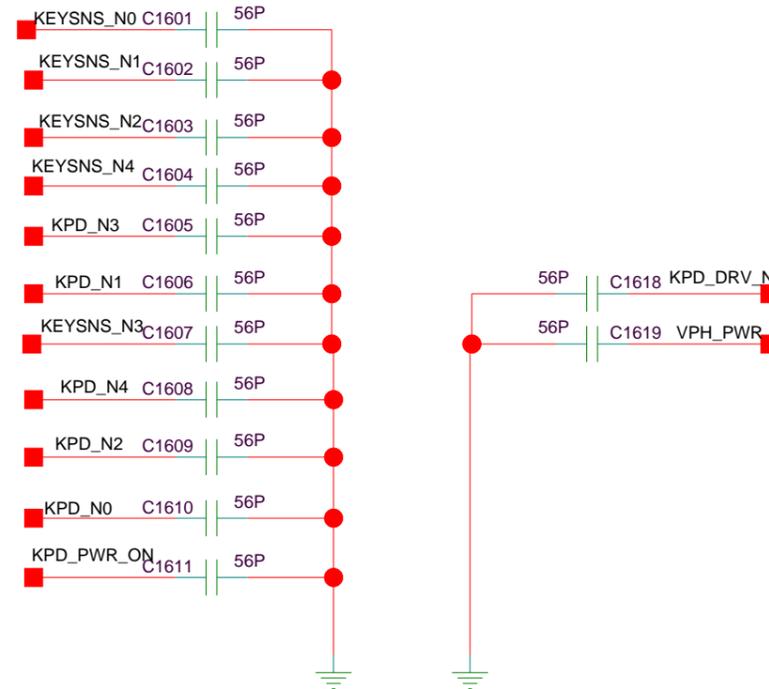
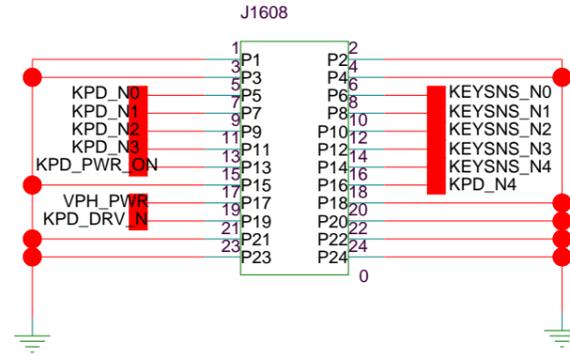


The type and specification of the components refer to the BOM

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				ECA NO	DATE
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REVIEWED	LIMIN 00128692	VER	PART_NUMBER	SHEET 12 OF 27	
		VB	03021MGC	HUAWEI TECH CO.,LTD.	



# 16.Keypad & Backlight



The type and specification of the components refer to the BOM

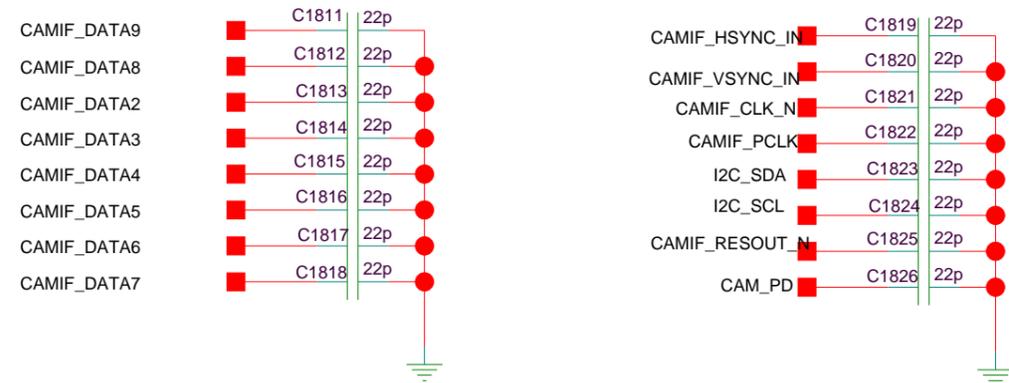
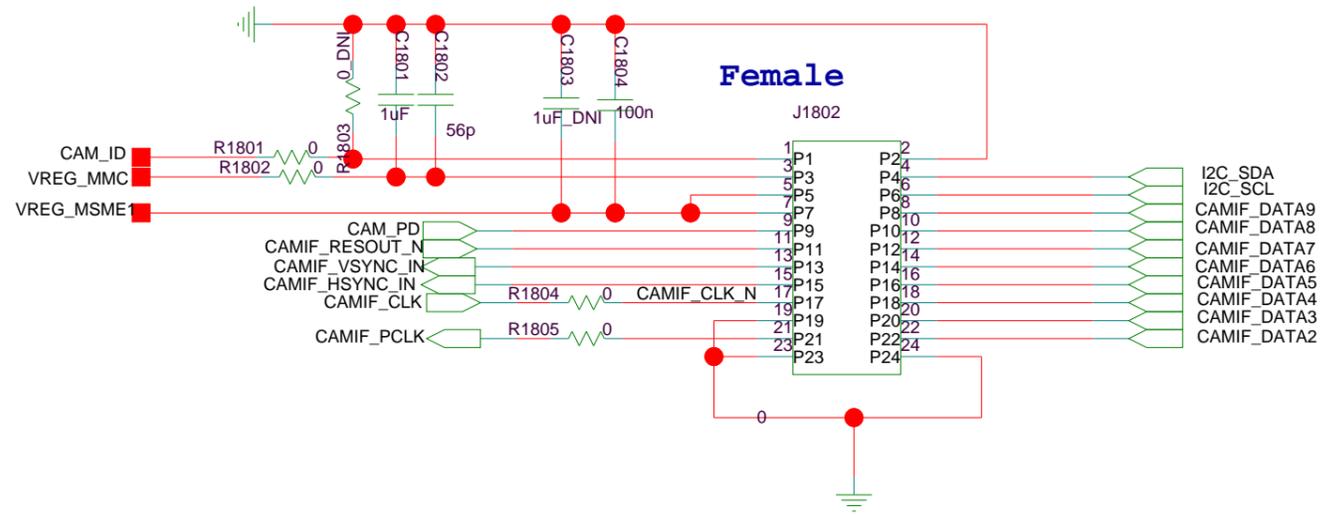
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DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692	VER	PART_NUMBER	SHEET 16 OF 27	
		VB	03021MGC	HUAWEI TECH CO.,LTD.	

# 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

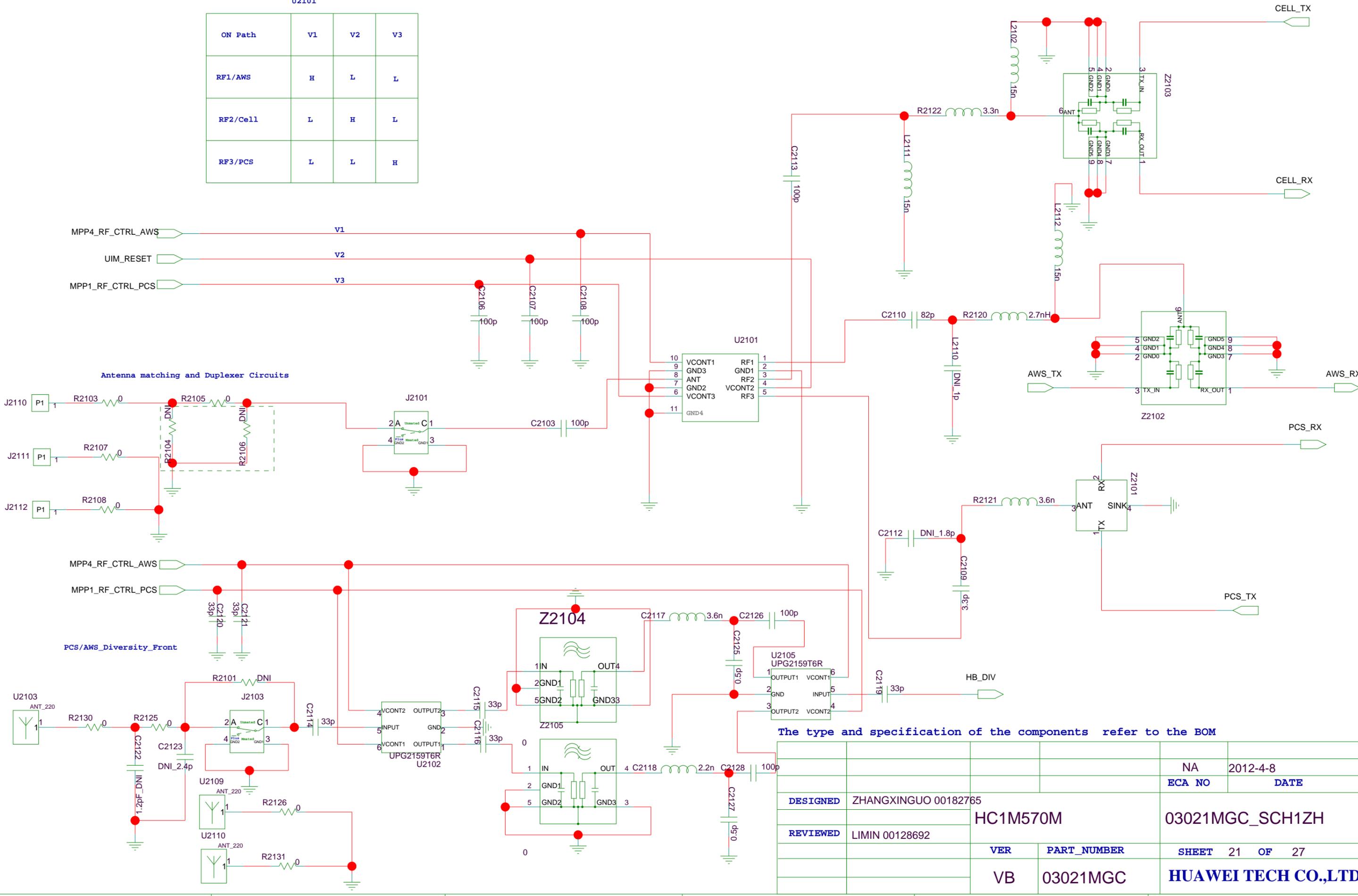
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REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 18 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

# 21. RF Front

U2101

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



The type and specification of the components refer to the BOM

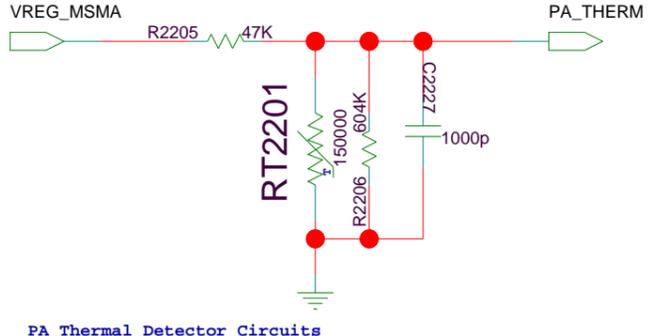
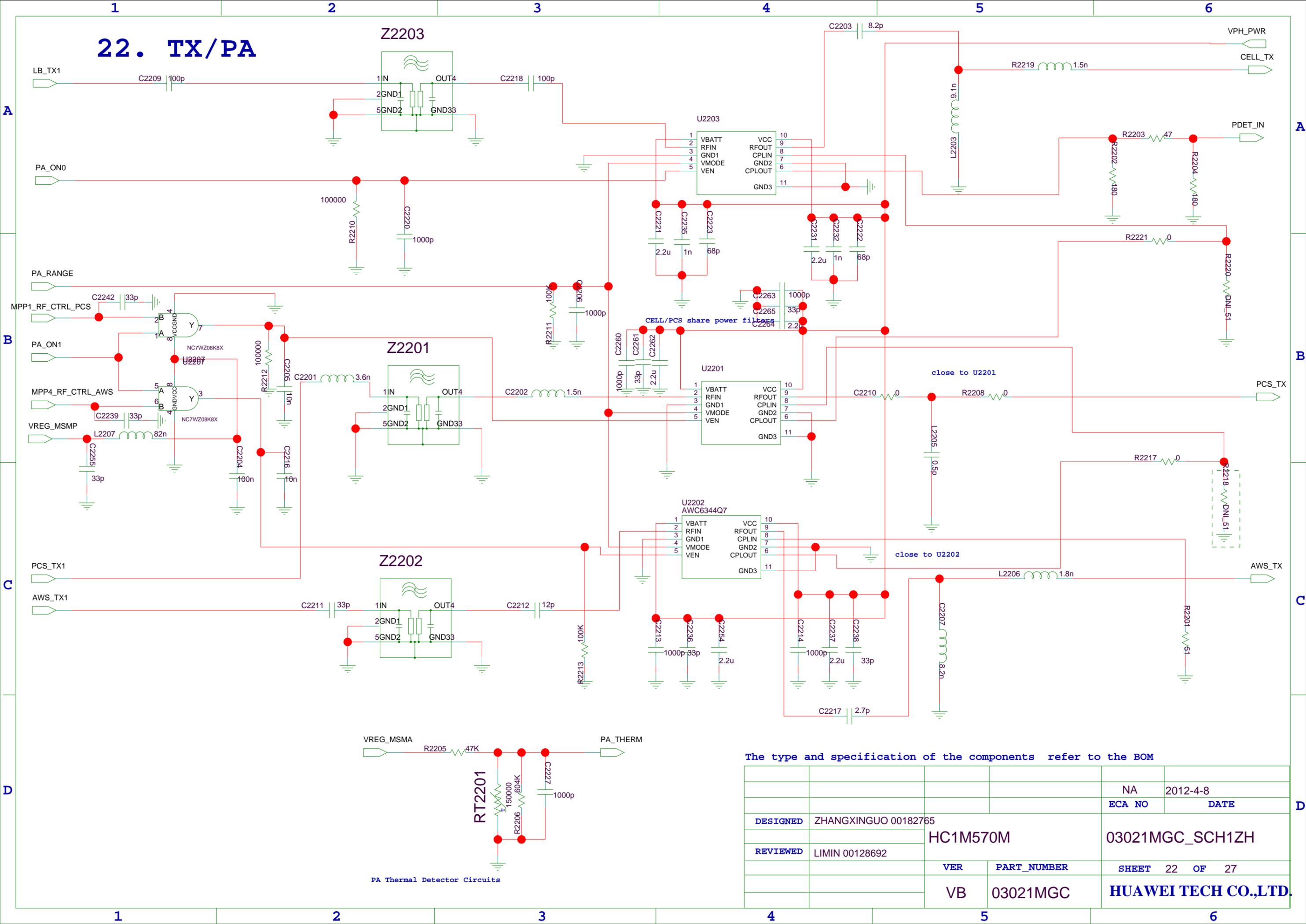
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REVIEWED	LIMIN 00128692	VER	PART_NUMBER
		VB	03021MGC
			SHEET 21 OF 27
			HUAWEI TECH CO.,LTD.

NA 2012-4-8  
ECA NO DATE

SHEET 21 OF 27

HUAWEI TECH CO.,LTD.

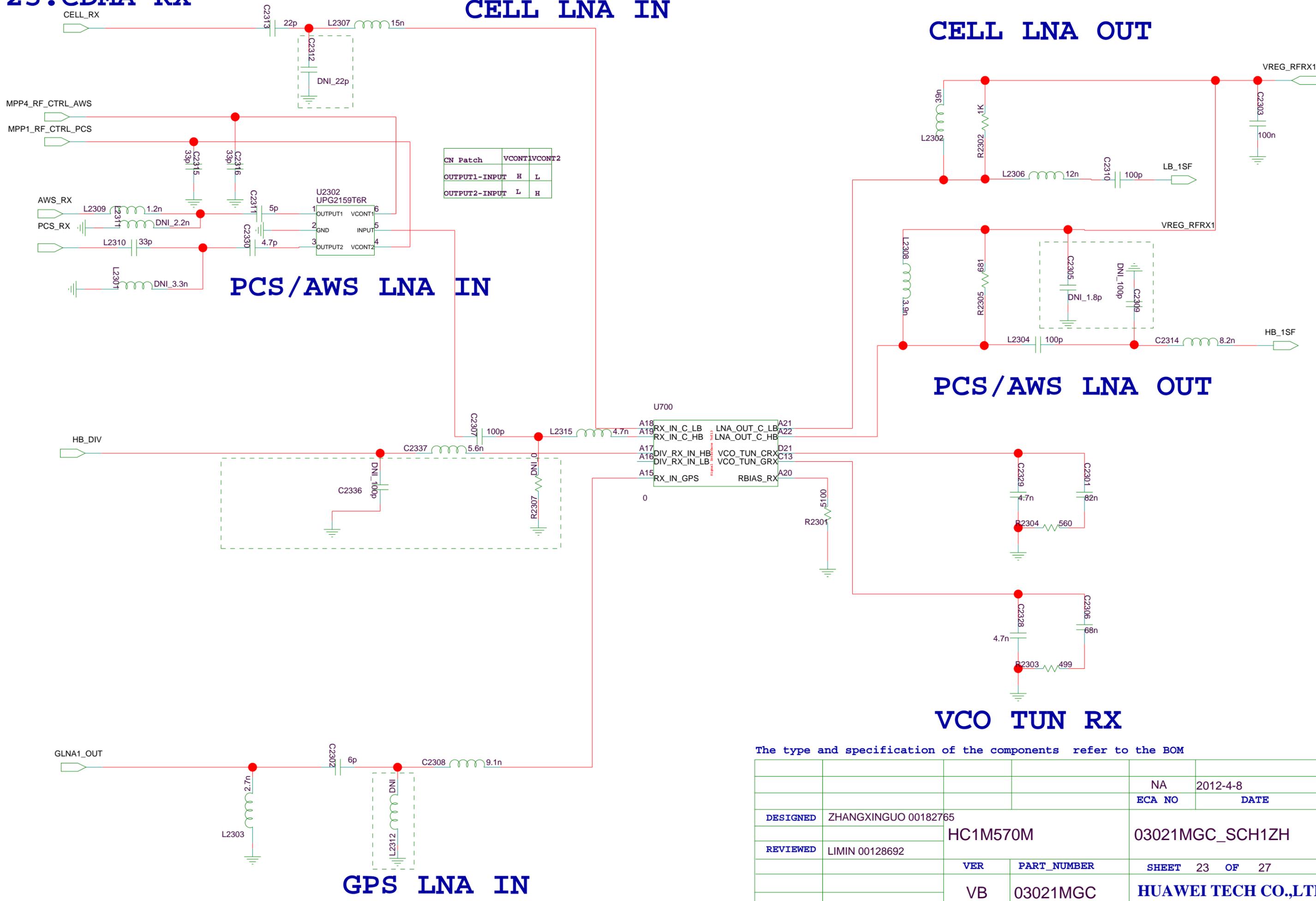
# 22. TX/PA



The type and specification of the components refer to the BOM

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				ECA NO	DATE
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REVIEWED	LIMIN 00128692	VER	PART_NUMBER	SHEET 22 OF 27	
		VB	03021MGC	HUAWAI TECH CO.,LTD.	

# 23. CDMA RX

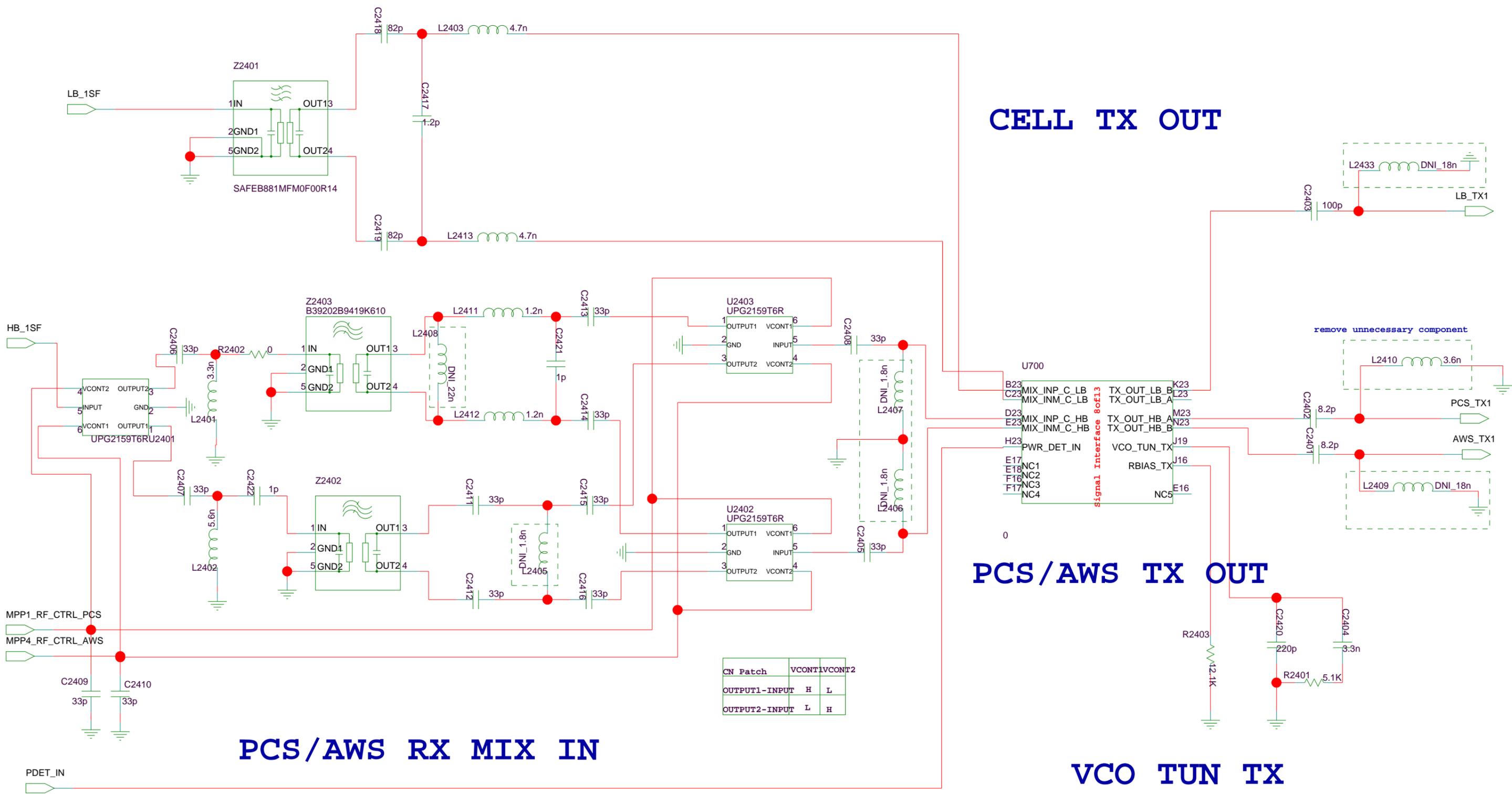


CN Patch	VCONT1	VCONT2
OUTPUT1-INPUT	H	L
OUTPUT2-INPUT	L	H

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
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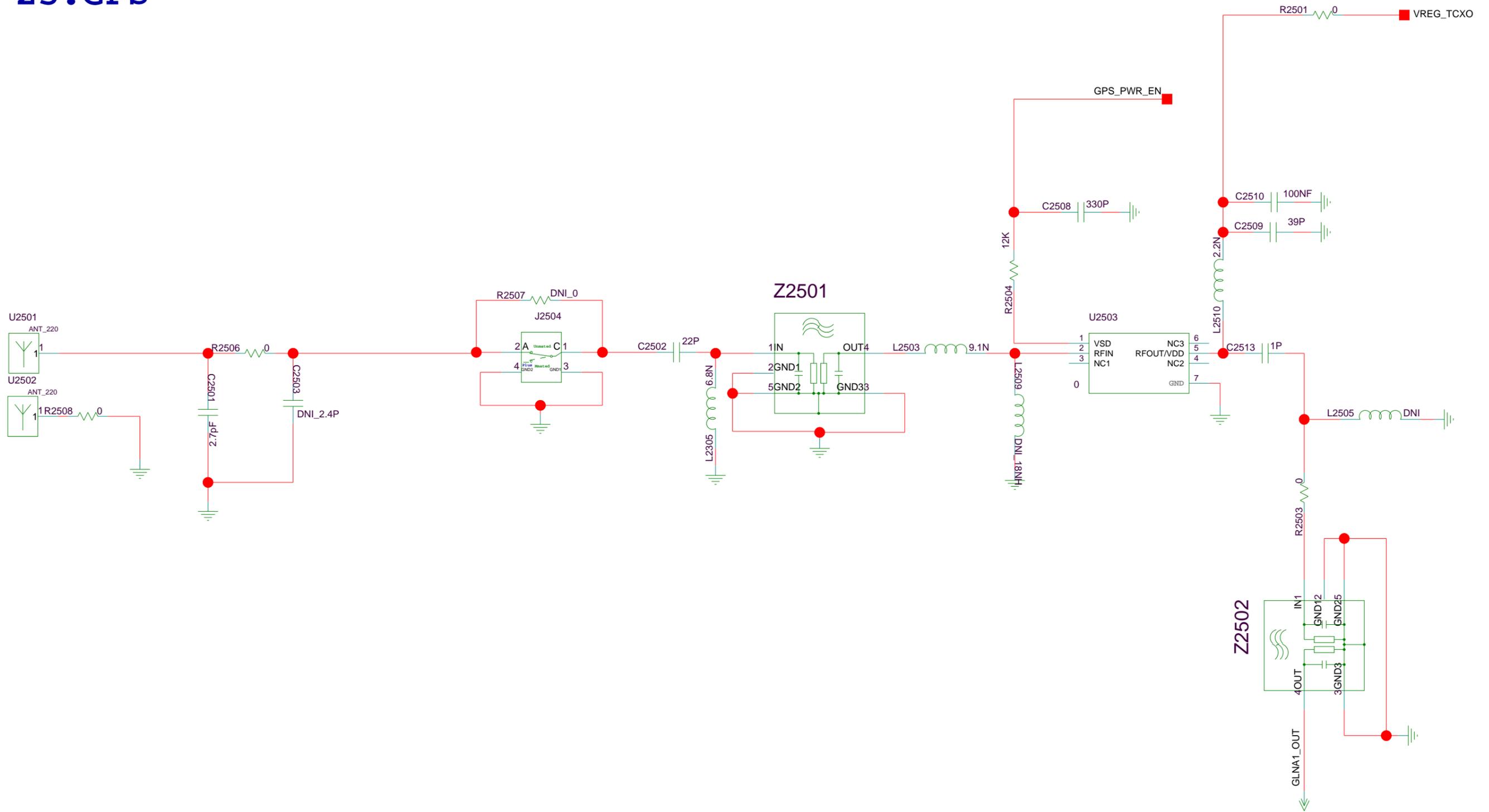
# 24.CDMA RX/TX CELL RX MIX IN



The type and specification of the components refer to the BOM

				NA	2012-4-8
				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
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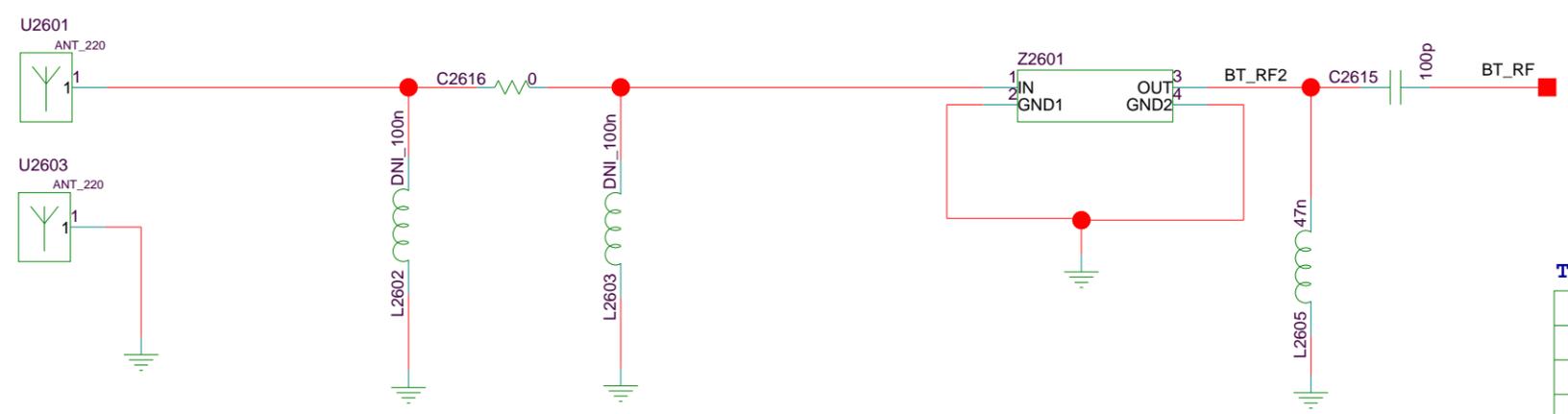
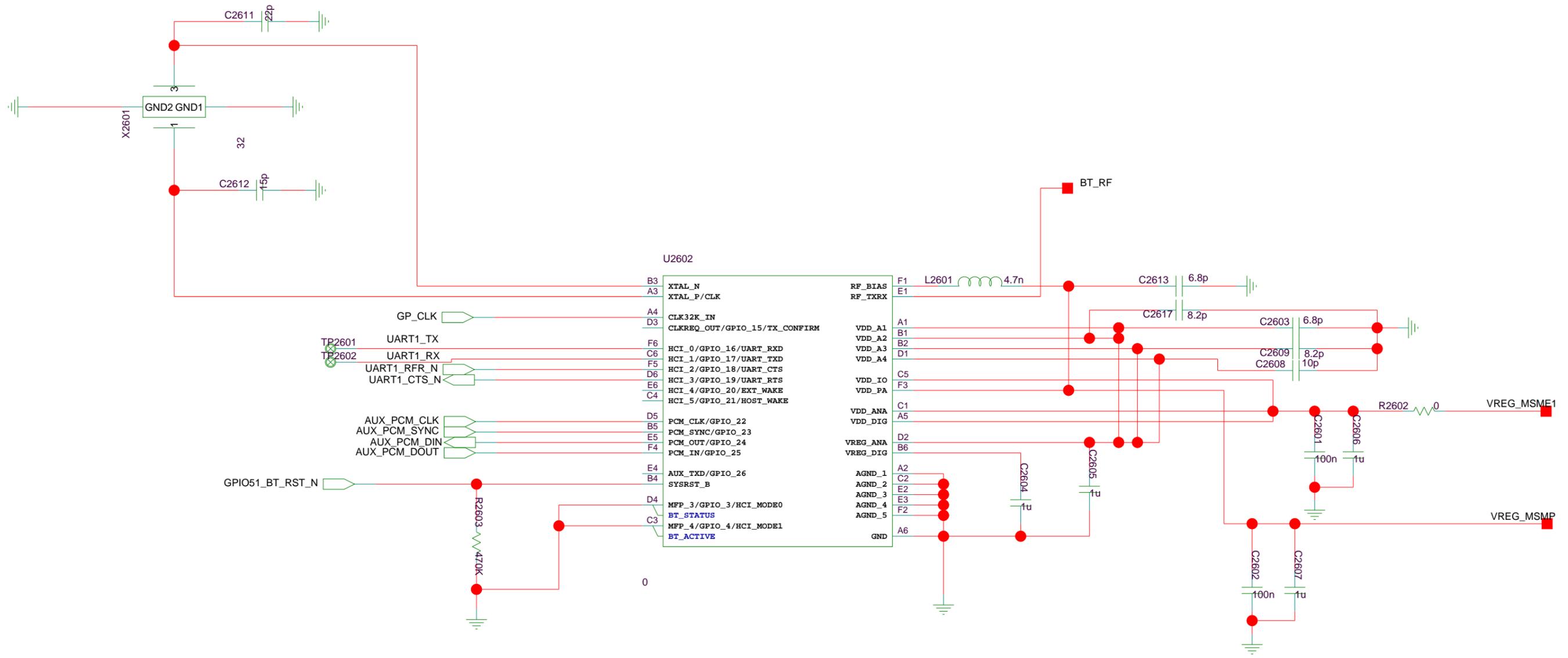
# 25.GPS



The type and specification of the components refer to the BOM

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				ECA NO	DATE
DESIGNED	ZHANGXINGUO 00182765	HC1M570M		03021MGC_SCH1ZH	
REVIEWED	LIMIN 00128692				
		VER	PART_NUMBER	SHEET 25 OF 27	
		VB	03021MGC	HUAWAI 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	
REVIEWED	LIMIN 00128692			03021MGC_SCH1ZH	
	VER	PART_NUMBER	SHEET 26 OF 27		
	VB	03021MGC	HUAWAI TECH CO.,LTD.		