

Baseband Schematic

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The type and specification of the components refer to the BOM

					2015-04-28
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03023FCV_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 1 OF 60	
		A	03011RWN	HUAWEI TECH CO.,LTD.	

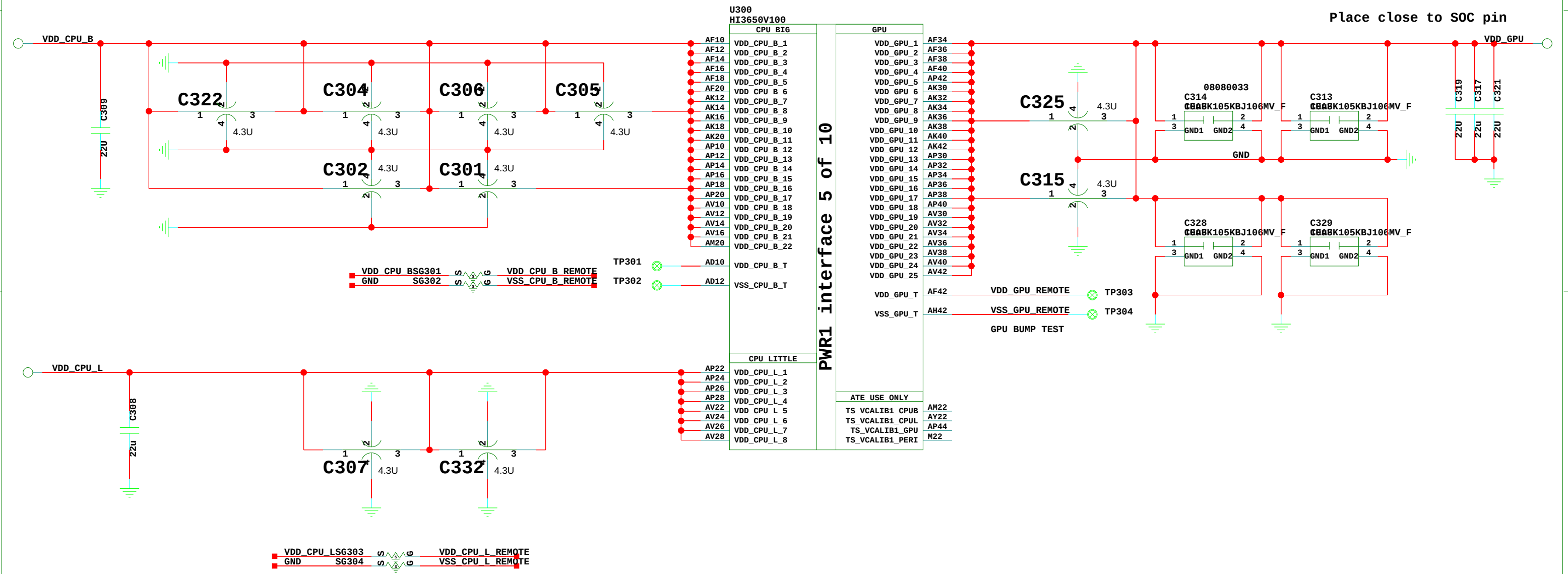
2. Block Diagram

The type and specification of the components refer to the BOM

					2015-04-28
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03023FCV_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 2 OF 60	
		A	03011RWN	HUAWEI TECH CO.,LTD.	

3. SOC PWR1

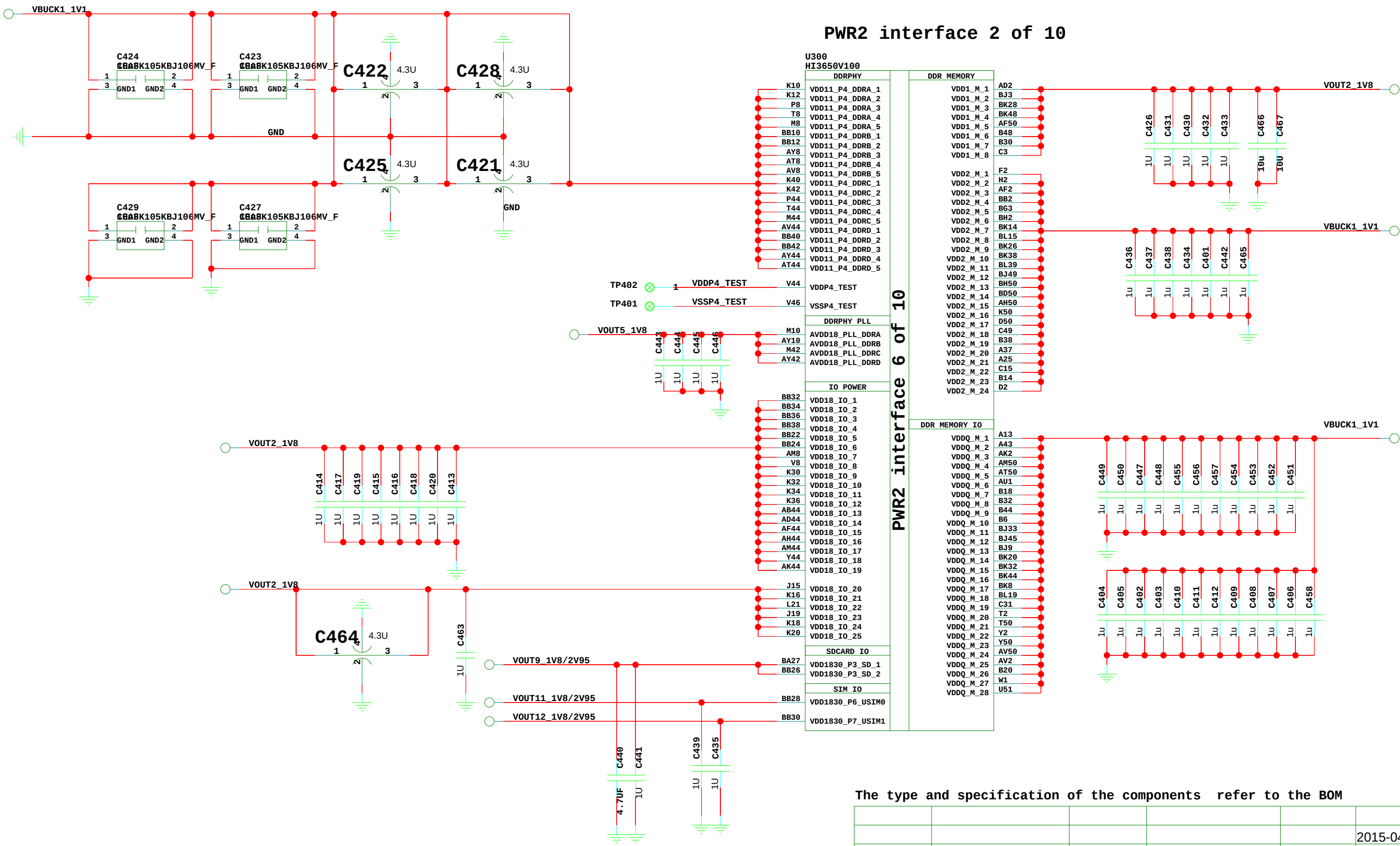
PWR1 interface 1 of 10



The type and specification of the components refer to the BOM

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DESIGNED	ChenDongjin/227535	HL1NEXTMM		03023FCV_SCHZH	
REVIEWED	PengZhonghui/210925	VER	PART_NUMBER	SHEET 3 OF 60	
		A	03011RWN	HUAWEI TECH CO.,LTD.	

4. SOC PWR2



PWR2 interface 2 of 10

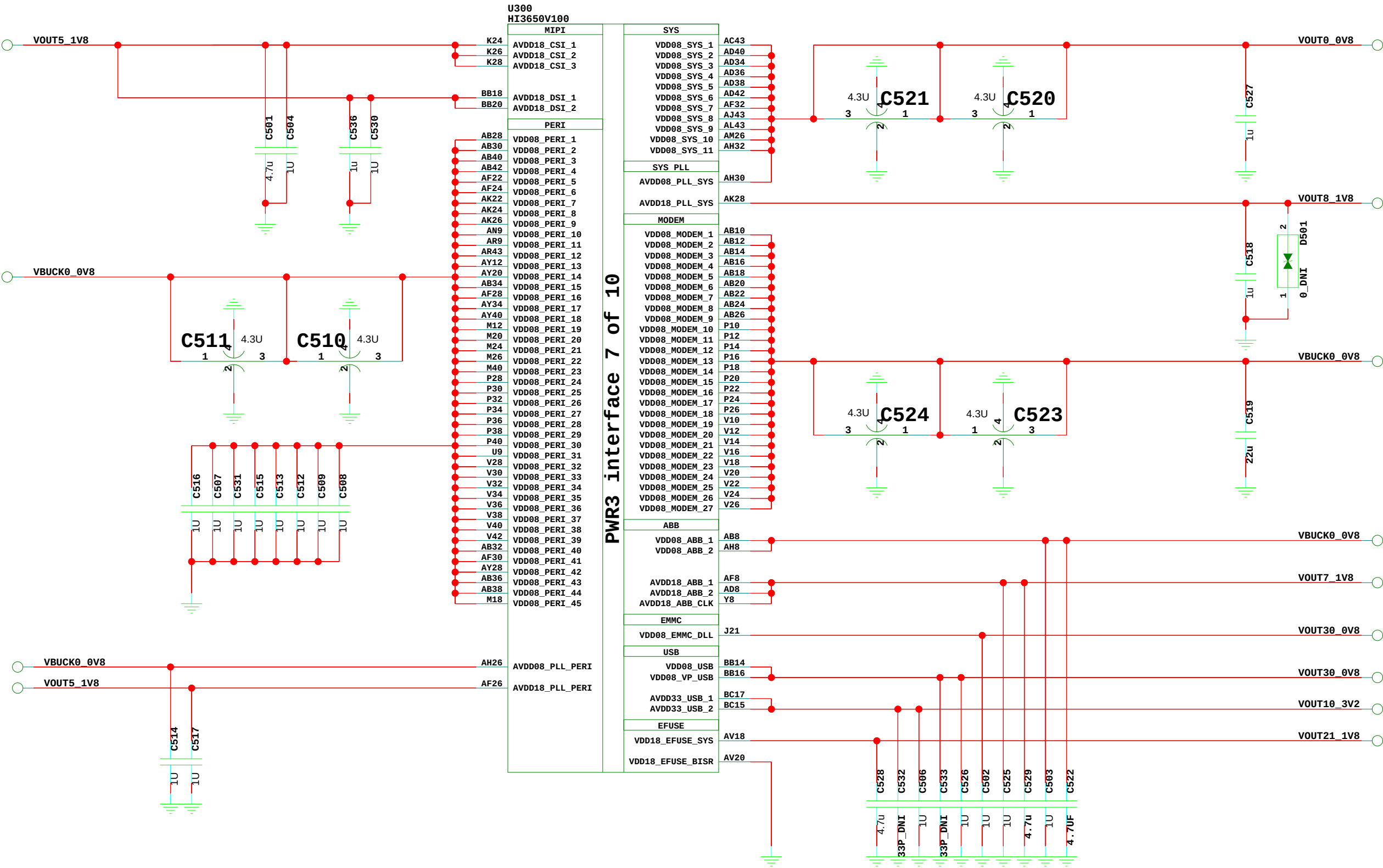
PWR2 interface 6 of 10

The type and specification of the components refer to the BOM

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DESIGNED	ChenDongjin/227535	HL1NEXTMM		03023FCV_SCHZH	
REVIEWED	PengZhonghui/210925	VER	PART_NUMBER	SHEET 4 OF 60	
		A	03011RWN	HUAWEI TECH CO.,LTD.	

5. SOC PWR3

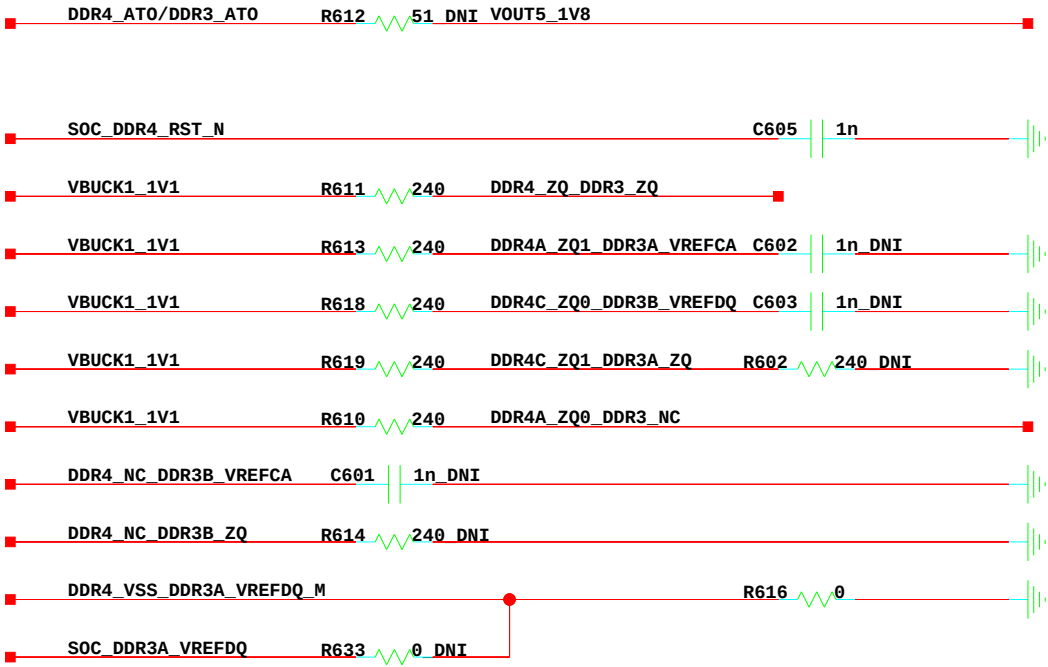
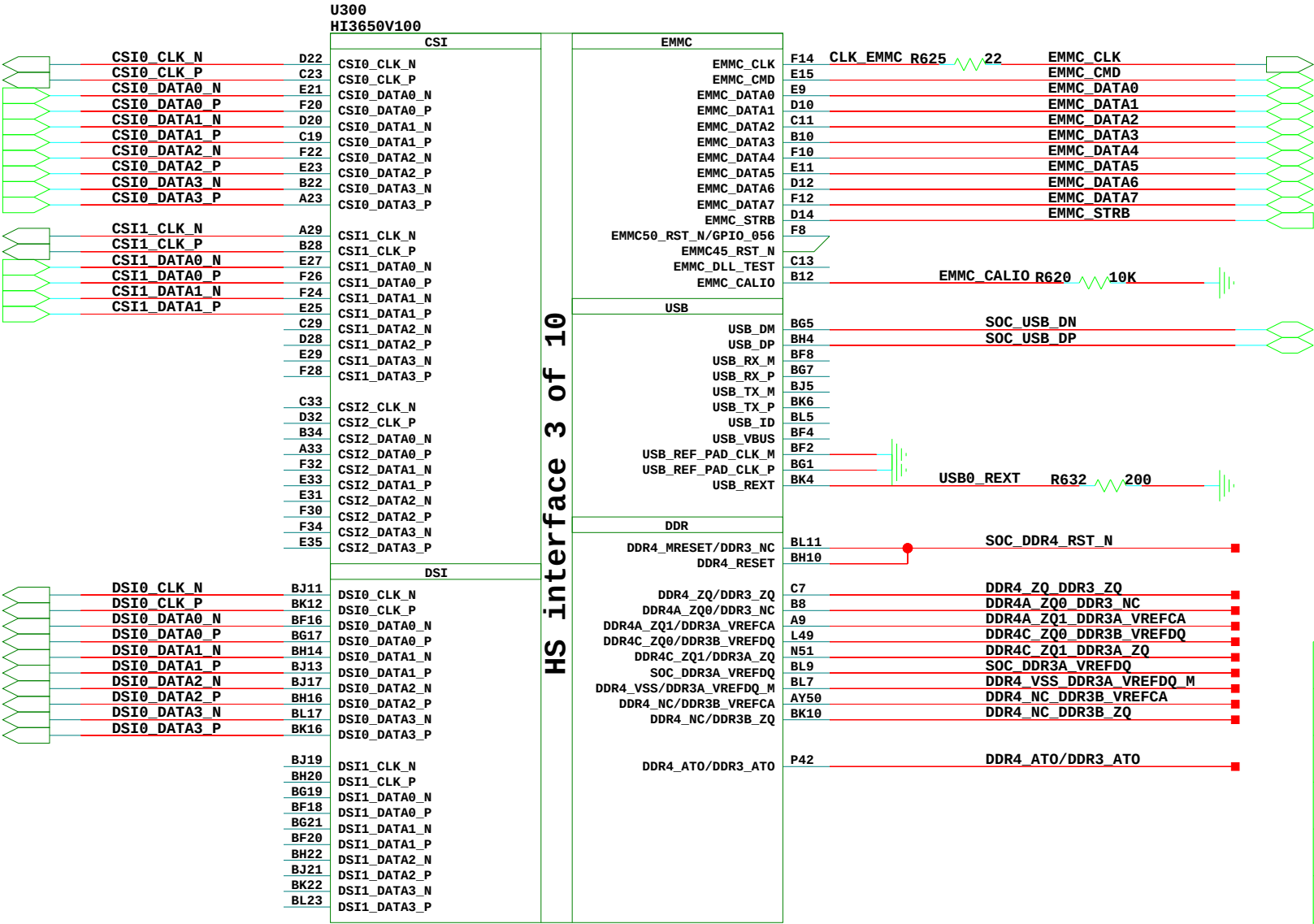
PWR3 interface 3 of 10



The type and specification of the components refer to the BOM

					2015-04-28
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03023FCV_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 5 OF 60	
		A	03011RWN	HUAWEI TECH CO.,LTD.	

6. SOC HS

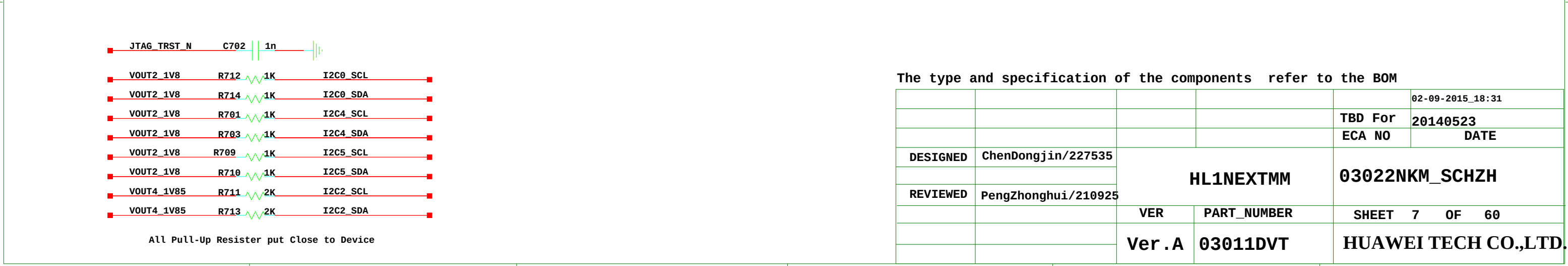


	LPDDR3	LPDDR4
DDR4_ZQ_DDR3_ZQ	WELD R611	WELD R611
DDR4A_ZQ0_DDR3_NC	R610 NC	WELD R610
DDR4A_ZQ1_DDR3A_VREFCA	WELD C602,R613 NC	WELD R613,C602 NC
DDR4C_ZQ0_DDR3B_VREFDQ	WELD C603,R618 NC	WELD R618,C603 NC
DDR4C_ZQ1_DDR3A_ZQ	WELD R602,R619 NC	WELD R619,R602 NC
DDR4_VSS_DDR3A_VREFDQ_M	R616 WELD 1nF	WELD R616
DDR4_NC_DDR3B_VREFCA	WELD C601	C601 NC
DDR4_NC_DDR3B_ZQ	WELD R614	R614 NC
SOC_DDR3A_VREFDQ	WELD R633	R633 NC
BUCK1_VOL_SEL	WELD R1212,R1219 NC	WELD R1219,R1212 NC
DDR4_ATO/DDR3_ATO	WELD R612(for test)	R612 NC
SOC_DDR4_RST_N	R603 NC	WELD R603

The type and specification of the components refer to the BOM

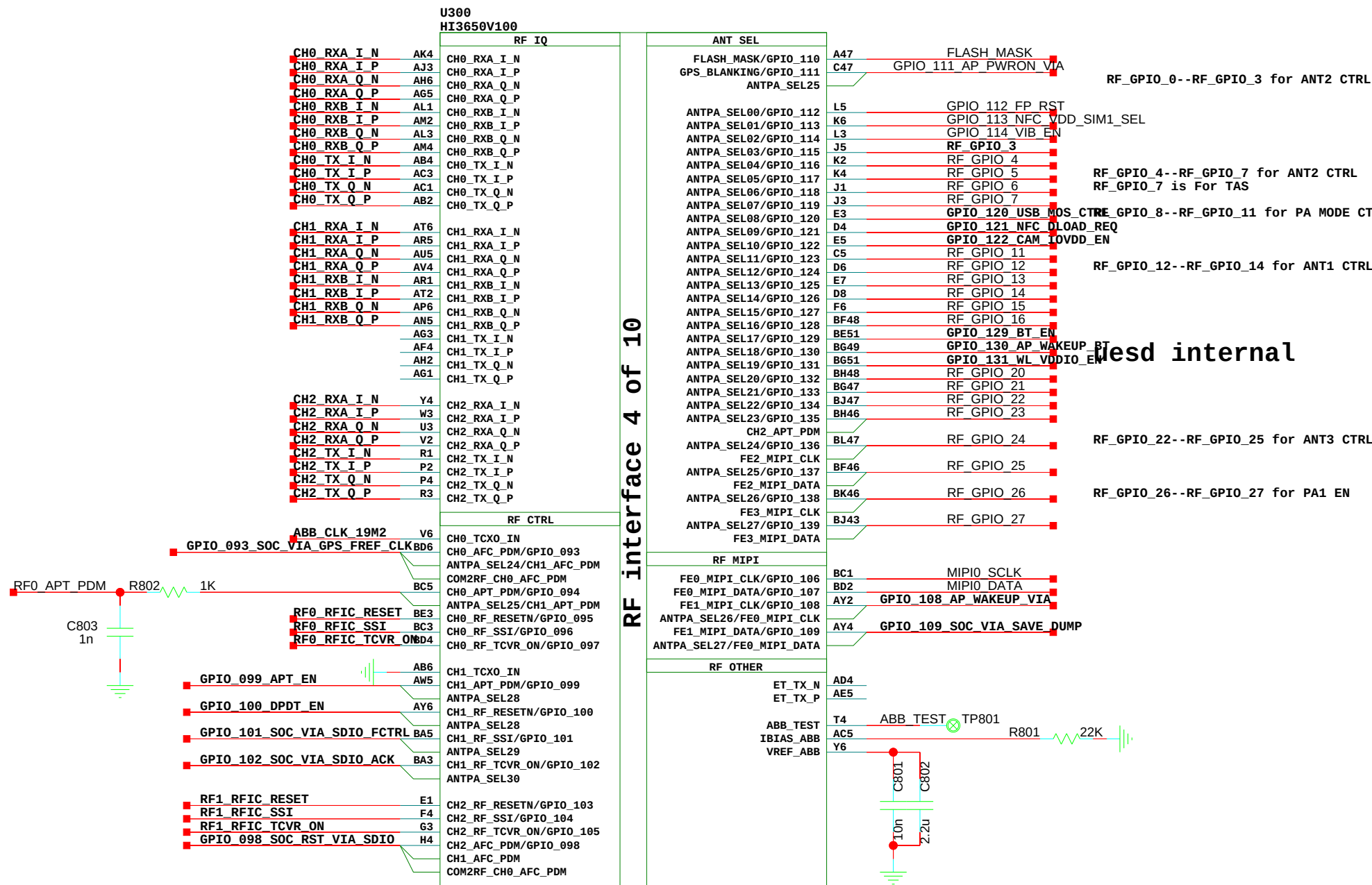
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DESIGNED	ChenDongjin/227535	HL1NEXTMM		03023FCV_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 6 OF 60	
		A	03011RWN	HUAWEI TECH CO.,LTD.	

7. SOC GPIO



The type and specification of the components refer to the BOM					
				02-09-2015_18:31	
				TBD For ECA NO	20140523 DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022NKM_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 7 OF 60	
		Ver.A	03011DVT	HUAWEI TECH CO.,LTD.	

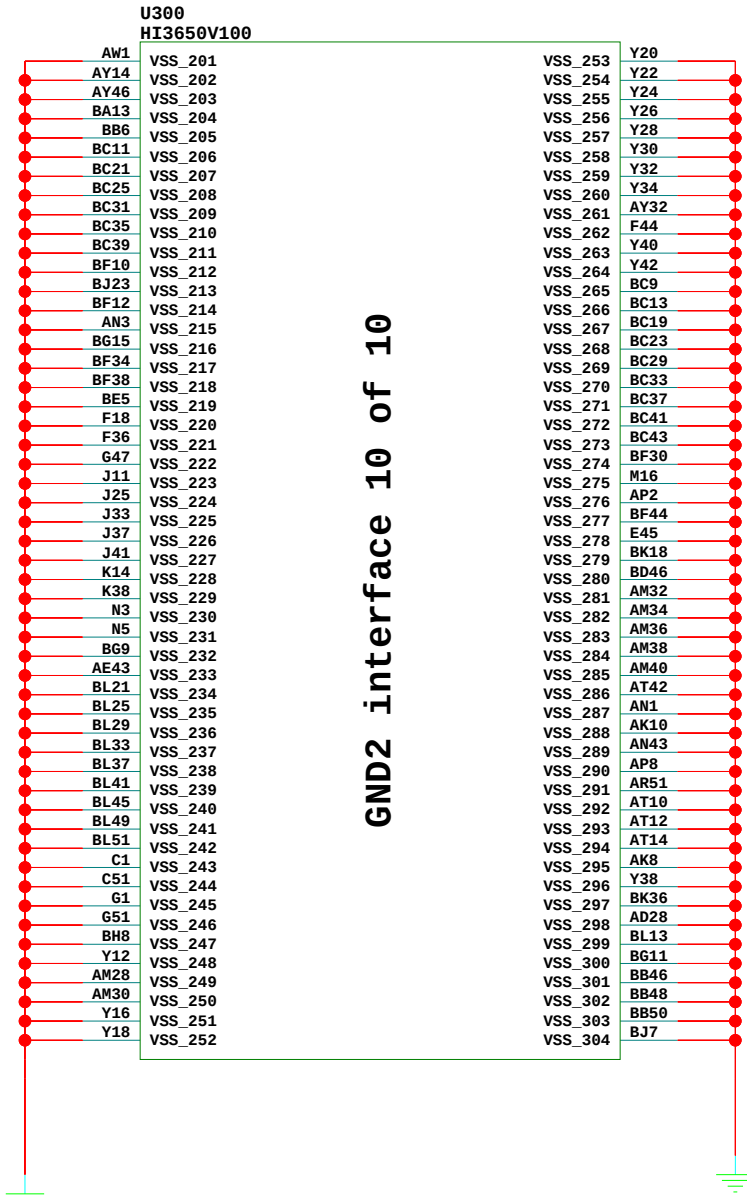
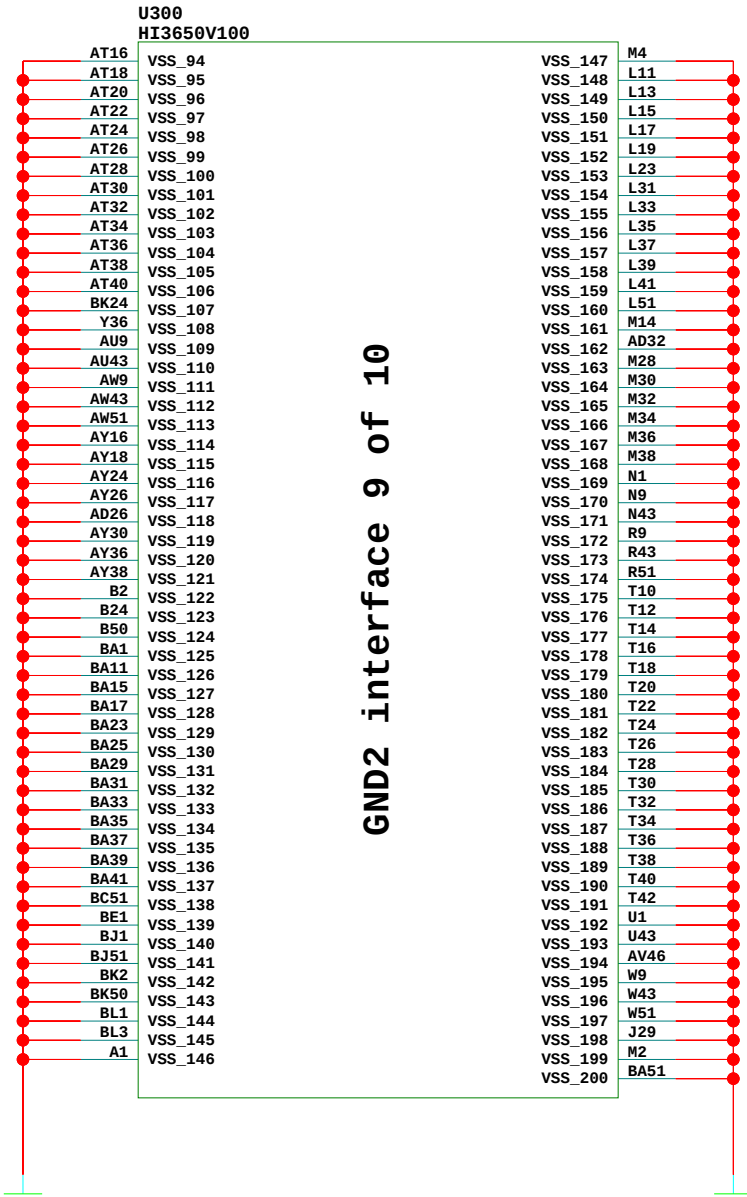
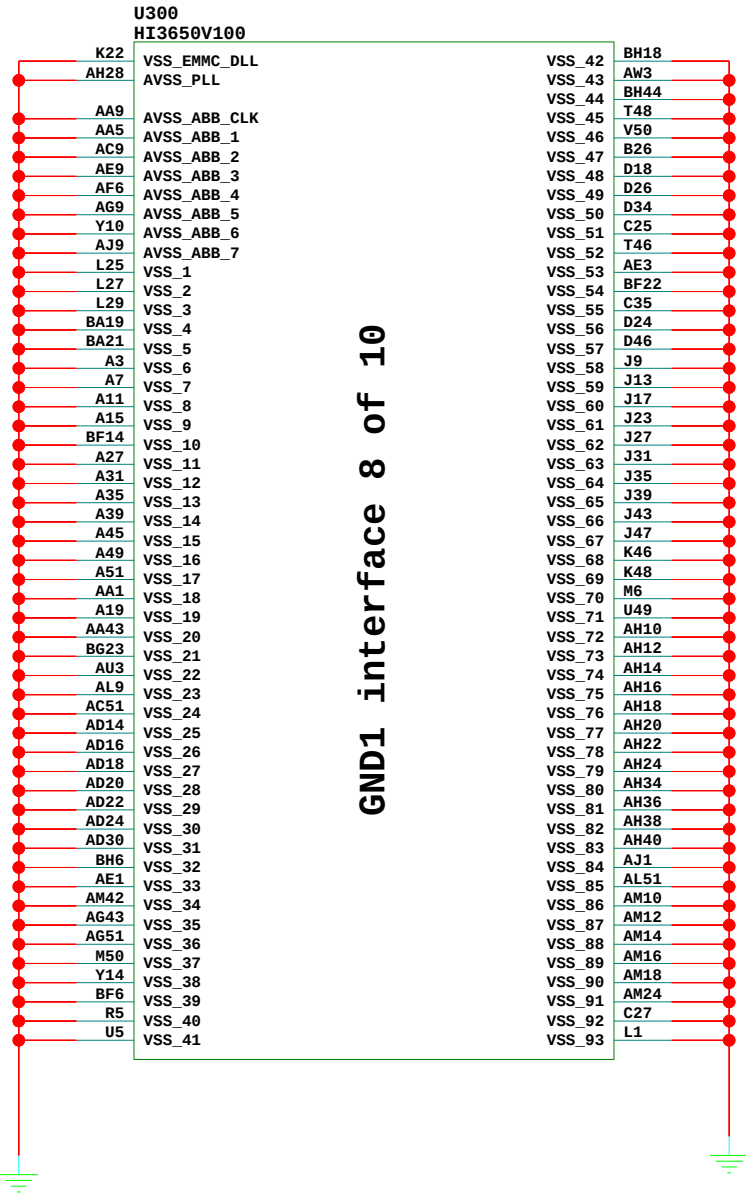
8.SOC RF



The type and specification of the components refer to the BOM

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DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022NKM_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 8 OF 60	
		Ver.A	03011DVT	HUAWEI TECH CO.,LTD.	

9. SOC GND & NC

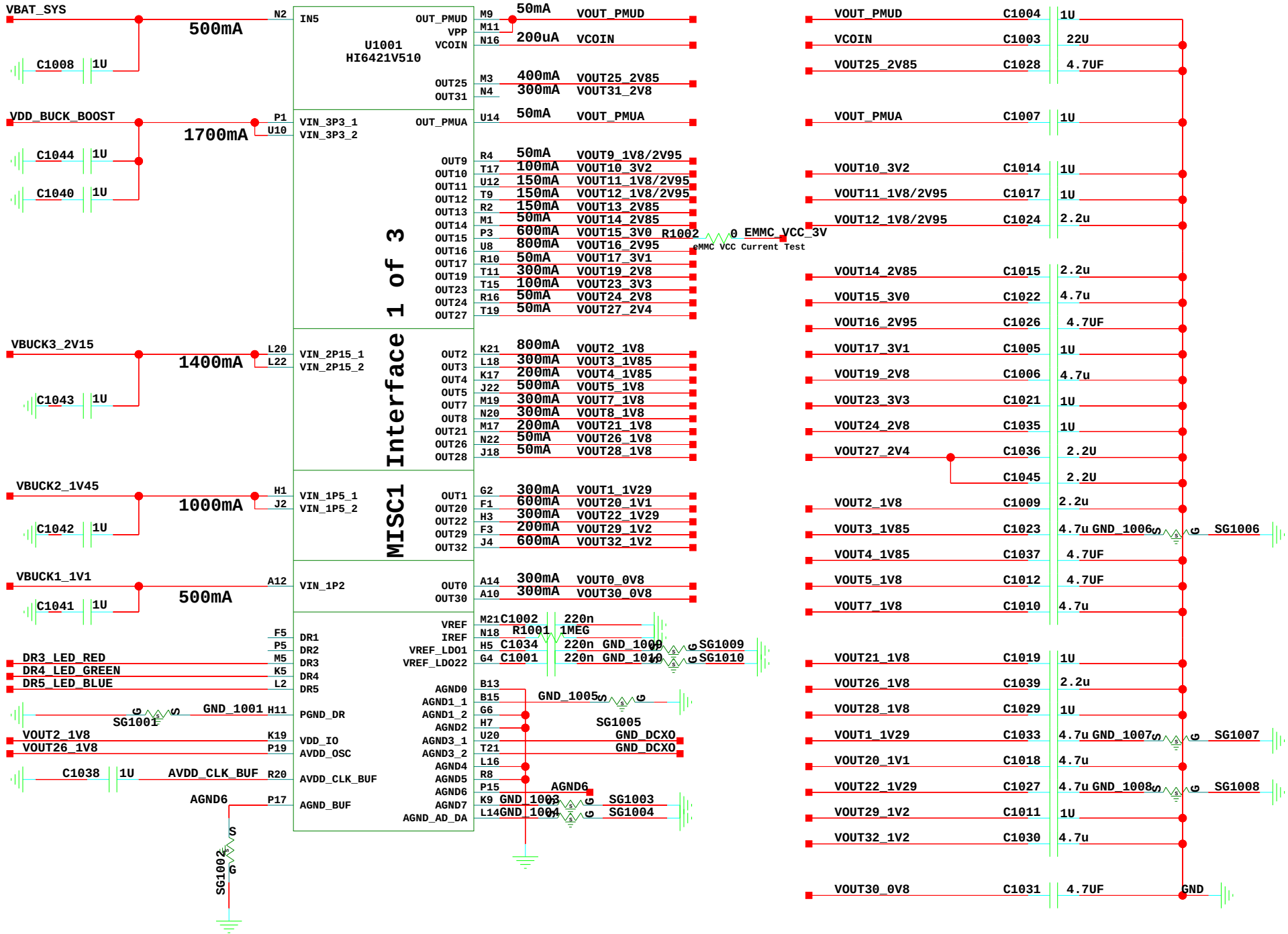


The type and specification of the components refer to the BOM

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				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022NKM_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 9 OF 60	
		Ver.A	03011DVT	HUAWEI TECH CO.,LTD.	

10. PMU LDO

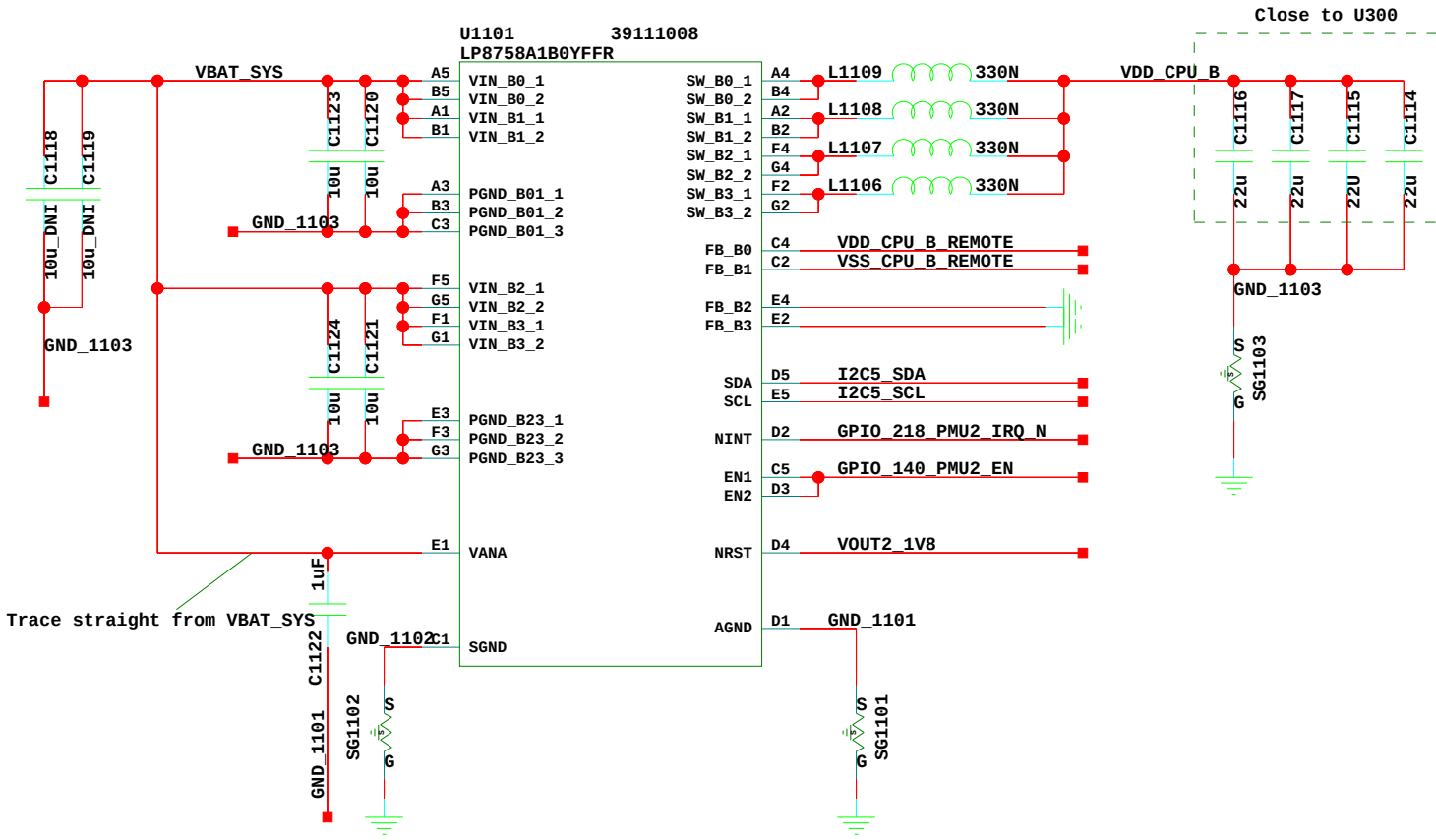
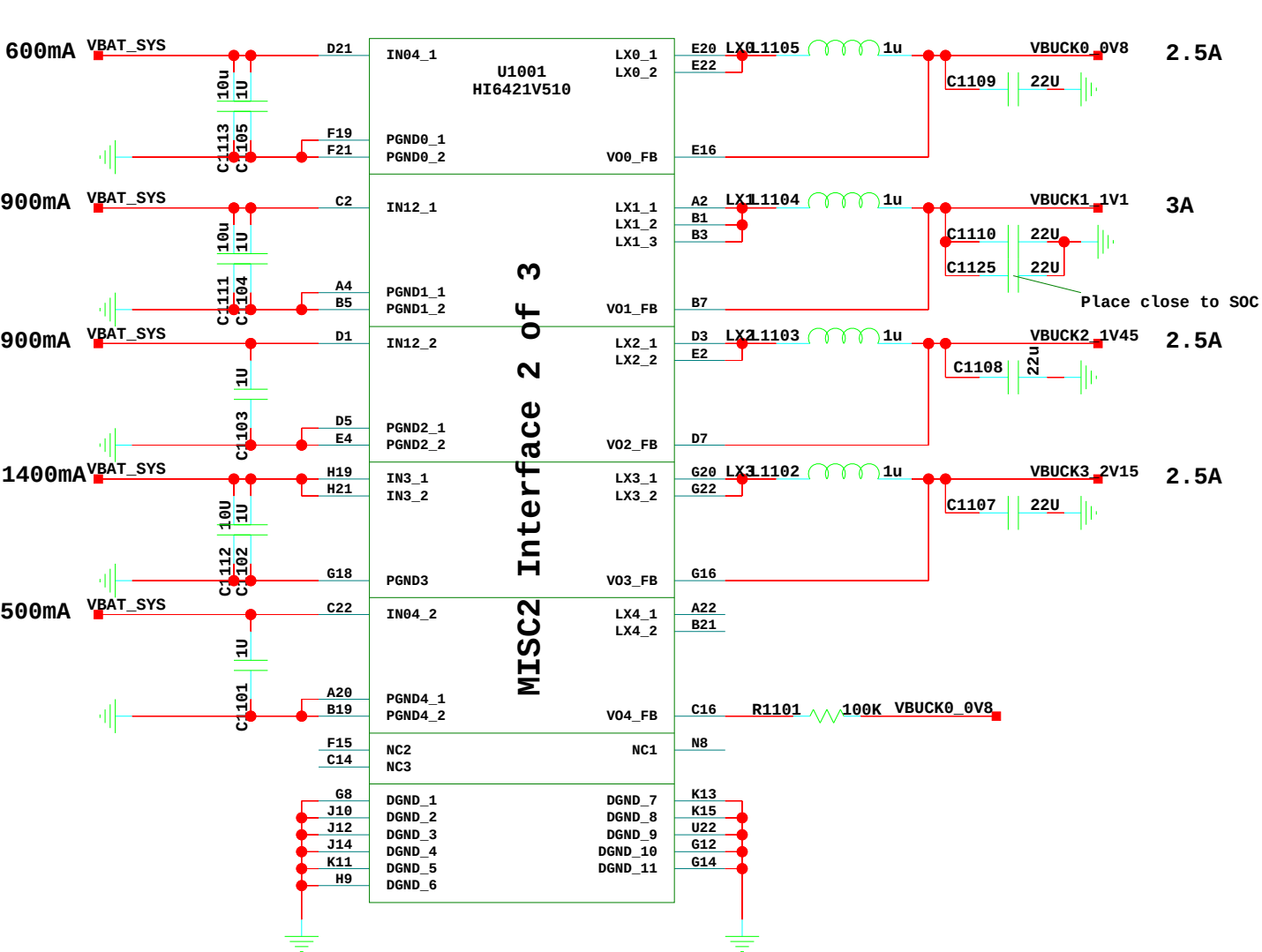
Name	Voltage	Current	Function
LD00	0.8	300	SOC AO
LD01	1.29	300	RFIC0 AVDD1 1.29V
LD02	1.8	800	1V8 IO
LD03	1.85	300	RFIC0&1 AVDD2 1.85V
LD04	1.8	200	For LCD&TP 1.8V I/O
LD05	1.8	500	MIPI PHY&DDR PHY
LD07	1.8	300	ABB&PLL ANA_1V8
LD08	1.8	300	Hi6402 ANA_1V8
LD09	1.8/2.95	50	HI3650 SD IO
LD010	3.2	100	USB PHY 3.3V
LD011	1.8	150	SIM0
LD012	1.8	150	SIM1
LD013	2.85	150	SUB_CAM ANA_2V85
LD014	2.85	50	TCX01
LD015	3	600	eMMC Flash VDDM
LD016	2.95	800	SD
LD017	2.8	50	LCD &TP AVDD
LD019	2.8	300	Camera ANA_2V85
LD020	1.2	600	M_Camera Core
LD021	1.8	200	EFUSE_SYS
LD022	1.29	300	RFIC1 AVDD1 1.29V
LD023	3.3	100	PA BIAS
LD024	2.8	50	X Sensor AVDD_2V8
LD025	2.85	400	Camera OIS AVDD_2V85
LD026	1.8	50	19M2 XO
LD027	2.4	50	Hi6362 AVDD3
LD028	1.8	50	PA Star
LD029	1.2	200	Hi6402 1.2V
LD030	0.8	300	emmc phy 0.8V Core
LD031	2.8	300	Vibrator
LD032	1.2	600	S_Camera Core



The type and specification of the components refer to the BOM

					09-09-2015_15:40
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				DATE	
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022NKM_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 10 OF 60	
		Ver.A	03011DVT	HUAWEI TECH CO.,LTD.	

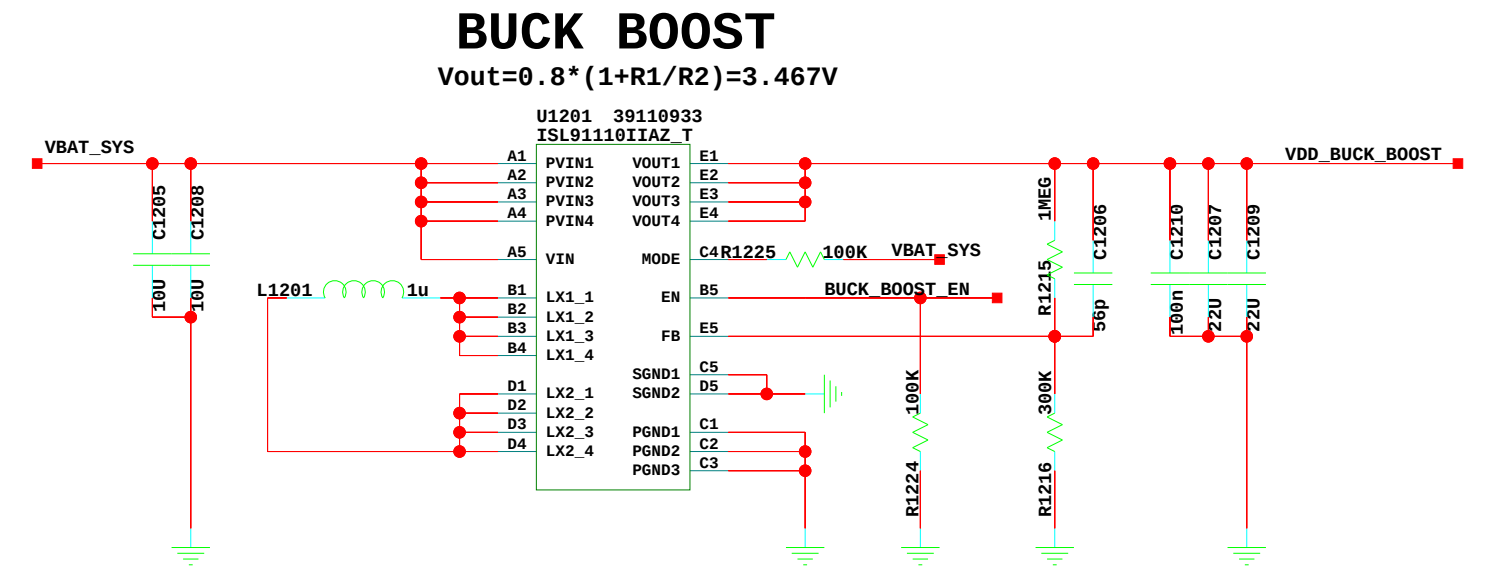
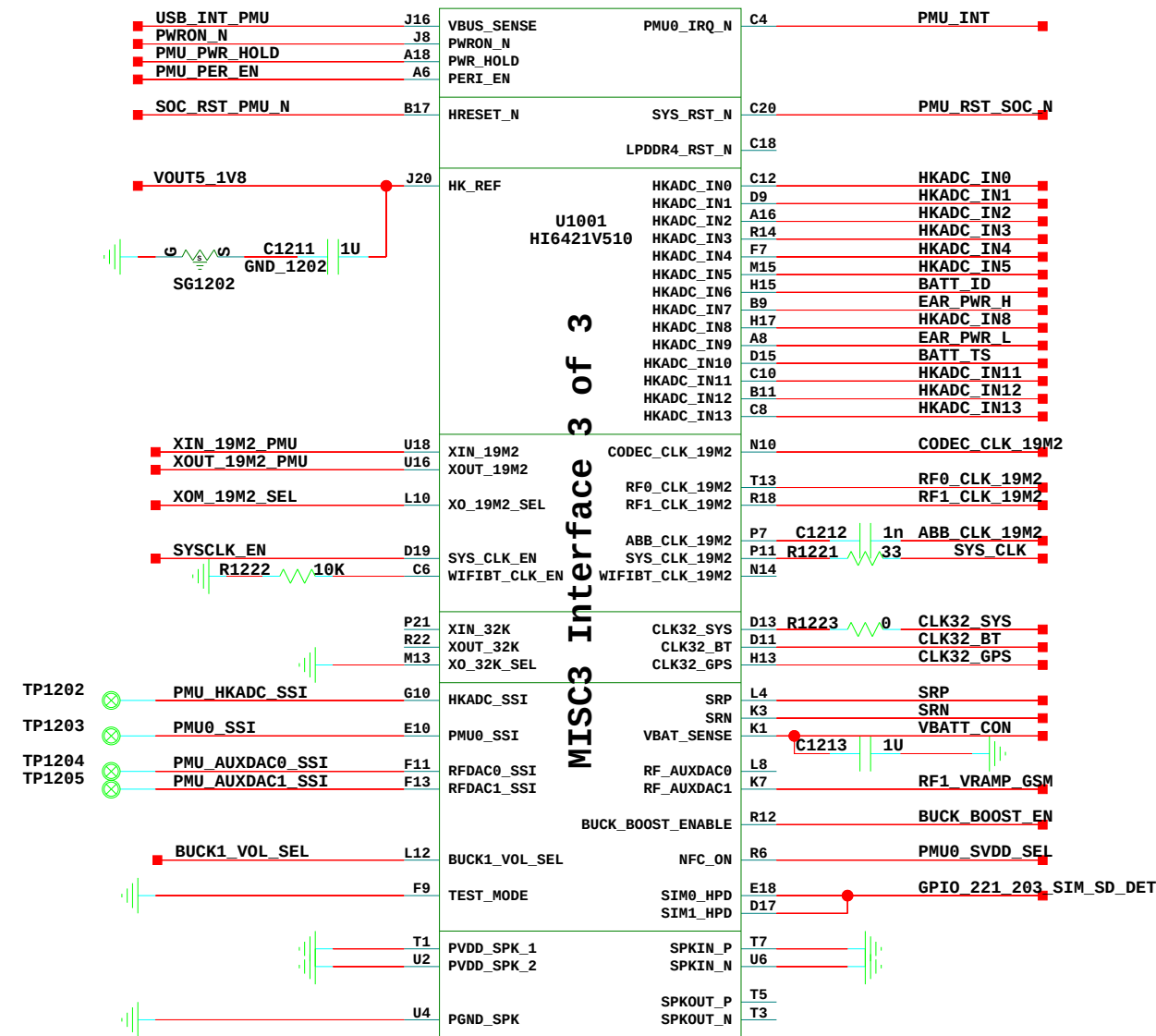
11. PMU BUCK & 8758 BUCK



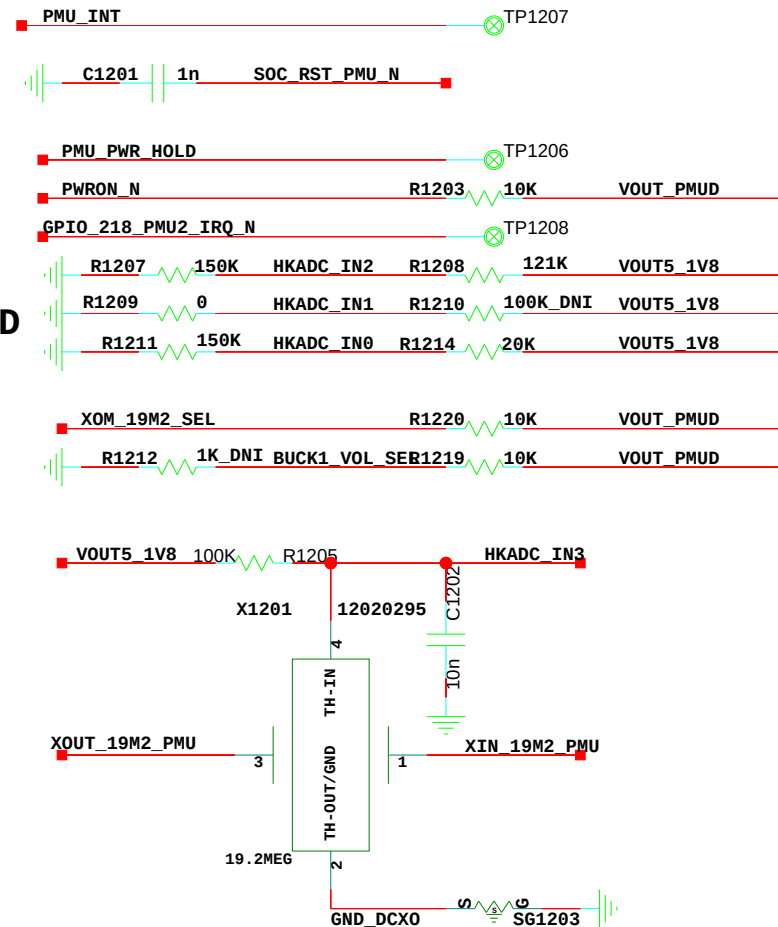
The type and specification of the components refer to the BOM

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REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 11 OF 60	
		Ver.A	03011DVT	HUAWEI TECH CO.,LTD.	

12. PMU MISC & BUCKBOOST



BOARD ID



Board ID	HKADC2	HKADC1	HKADC0
AL10	5	0	8
CL00	5	1	3
TL00/UL00	5	2	5
L29	5	3	3

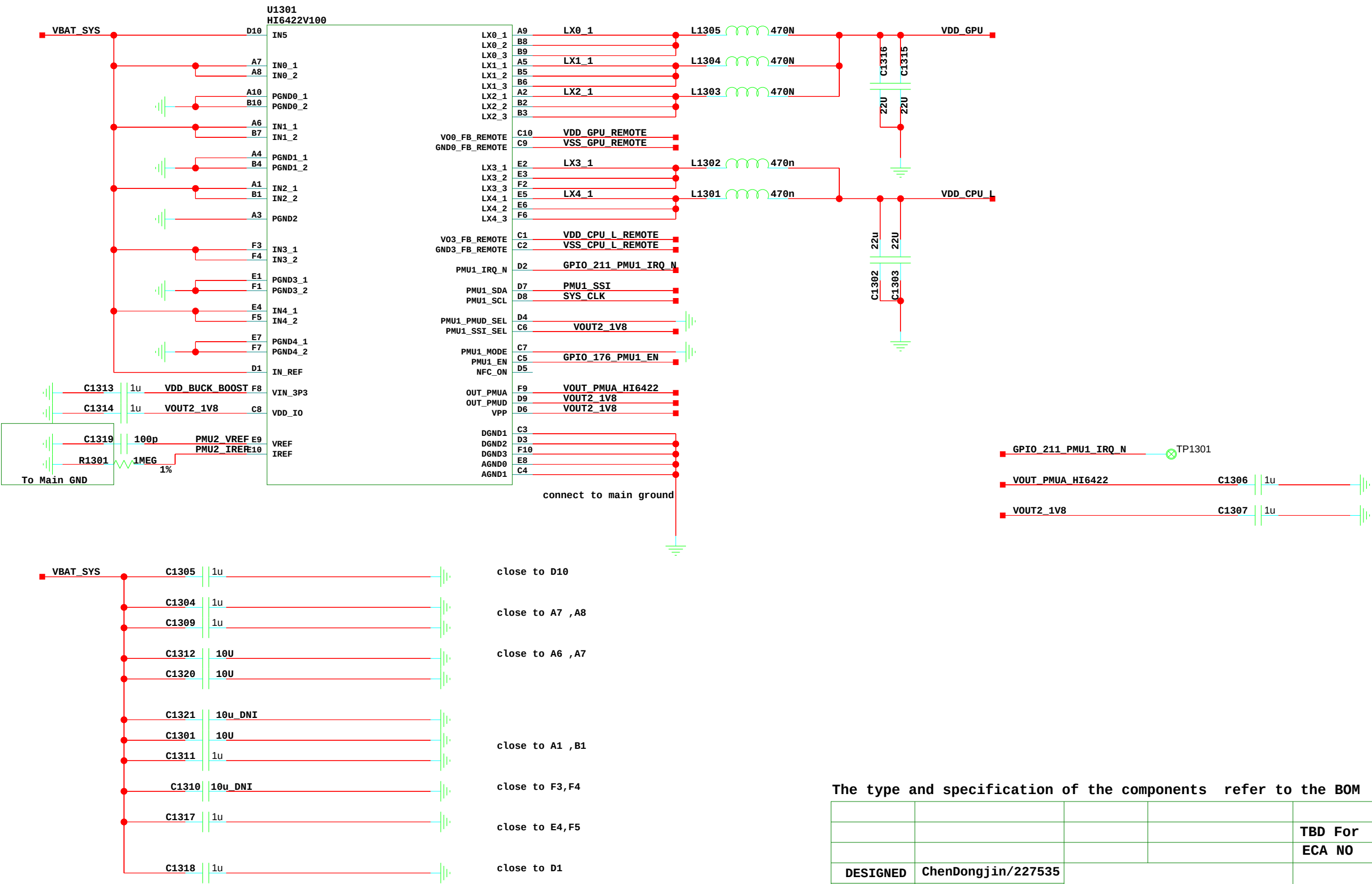
	0	1
XO_32K_SEL	WITHOUT CRYSTAL	WITH CRYSTAL
XO_19M2_SEL	38M4	19M2
BUCK1_VOL_SEL	1V2	1V1

HKADC	Function	HKADC	Function
HKADC_IN0	Board ID	HKADC_IN7	EAR_PWR_H
HKADC_IN1	Board ID	HKADC_IN8	Power Detect
HKADC_IN2	Board ID	HKADC_IN9	EAR_PWR_L
HKADC_IN3	DCX0 Temp	HKADC_IN10	BATT Temp
HKADC_IN4	USB Temp Protection (Flash LED Temp compatible)	HKADC_IN11	MMBPA Temp
HKADC_IN5	Charge Current	HKADC_IN12	AP Temp
HKADC_IN6	BATT ID	HKADC_IN13	FlashLED Temp

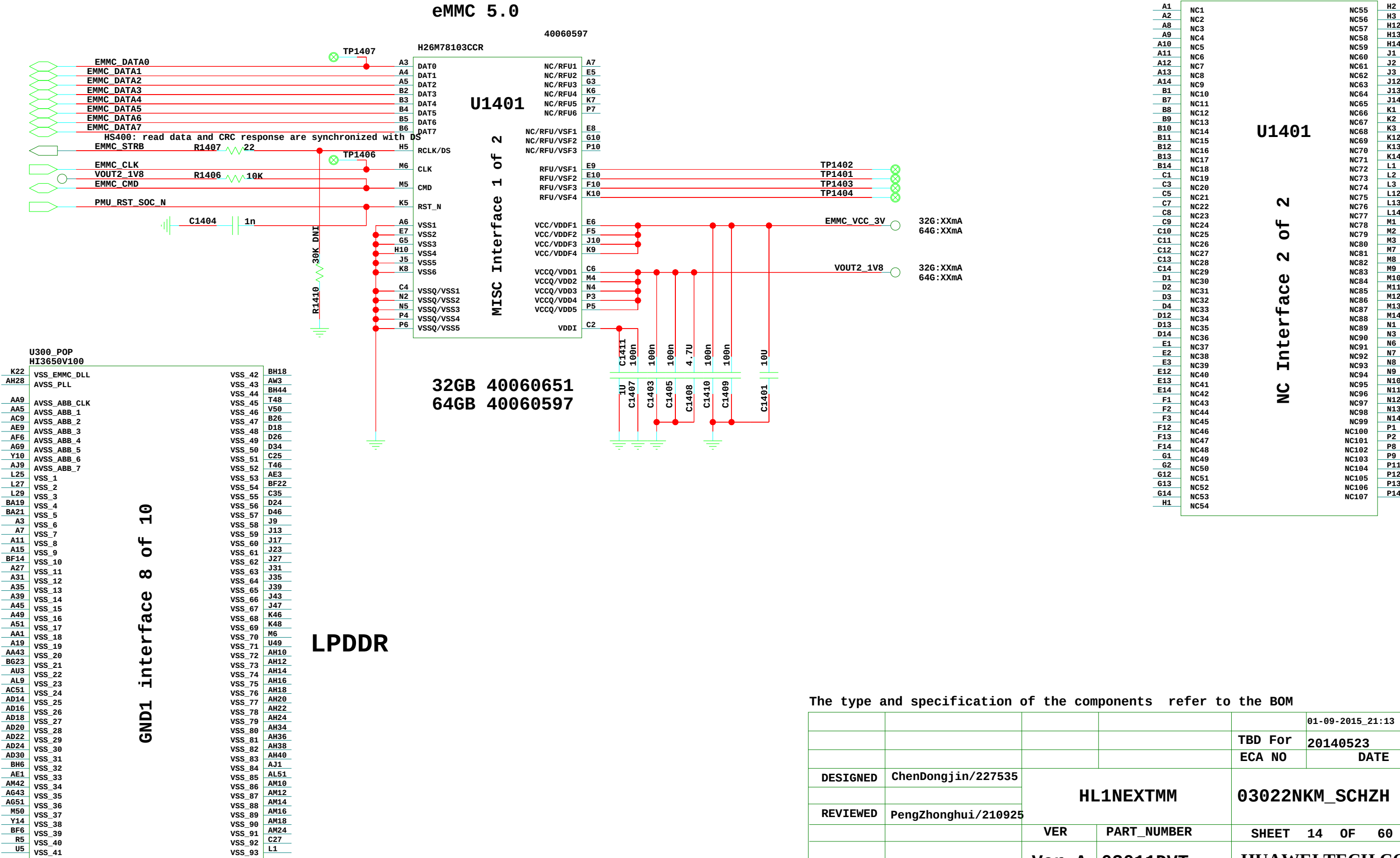
The type and specification of the components refer to the BOM

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			ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022NKM_SCHZH
REVIEWED	PengZhonghui/210925			
		VER	PART_NUMBER	SHEET 12 OF 60
		Ver.A	03011DVT	HUAWEI TECH CO.,LTD.

13. HI6422



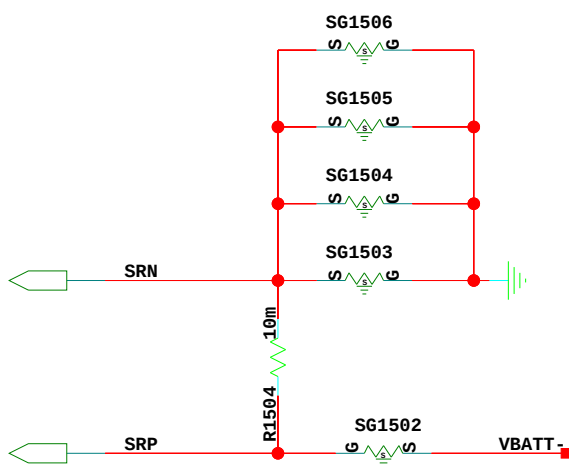
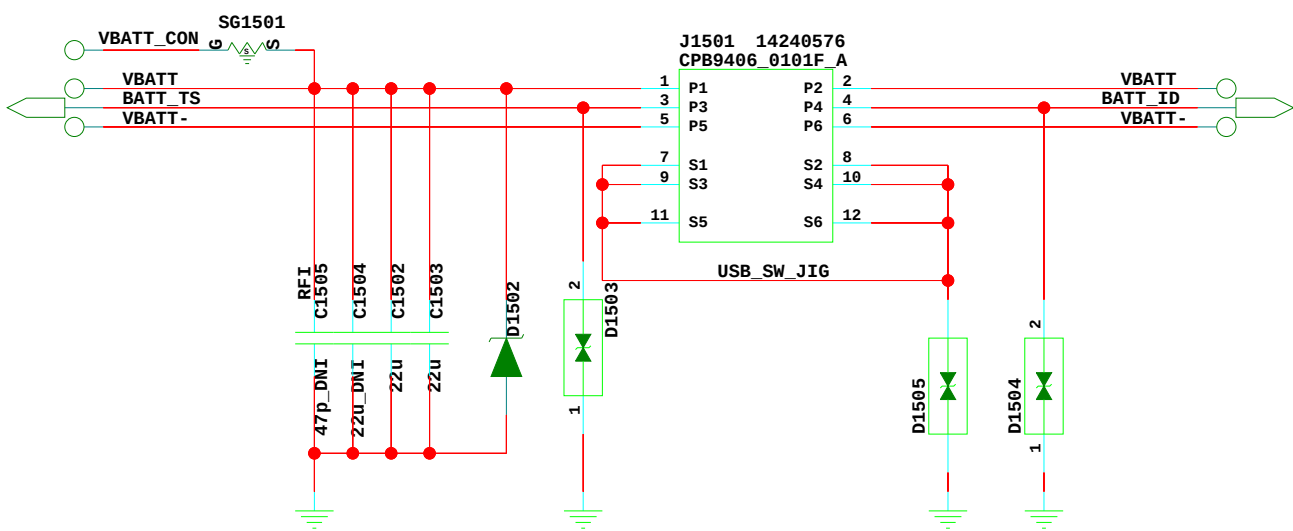
14. eMMC AND LpDDR3



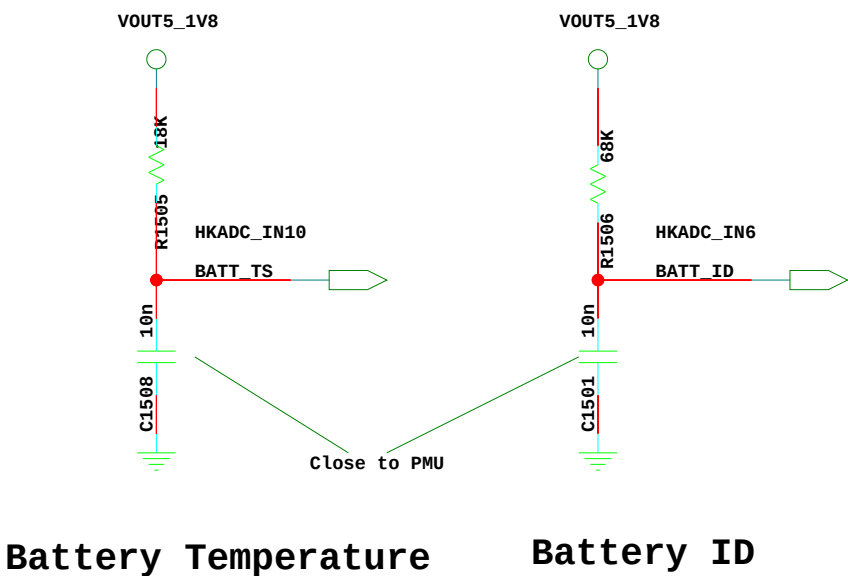
The type and specification of the components refer to the BOM				
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DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022NKM_SCHZH
REVIEWED	PengZhonghui/210925			
		VER	PART_NUMBER	SHEET 14 OF 60
		Ver.A	03011DVT	HUAWEI TECH CO.,LTD.

15. Battery & Fuel guage

Battery Connector



CAD note:1.Trace for 6A
2.Differential trace



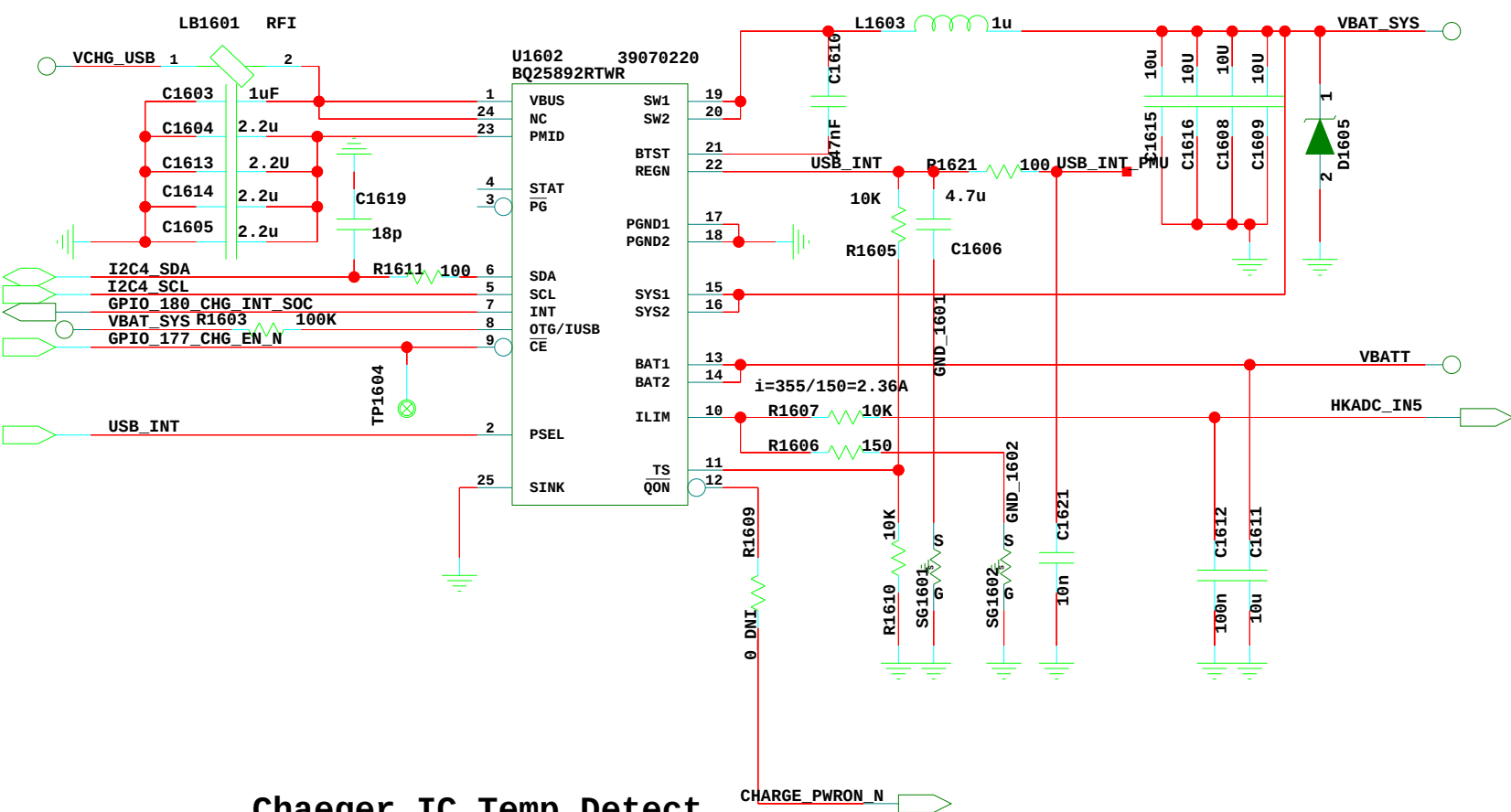
The type and specification of the components refer to the BOM

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DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022AQQ_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 15 OF 60	
		A	03022AQQ	HUAWEI TECH CO.,LTD.	

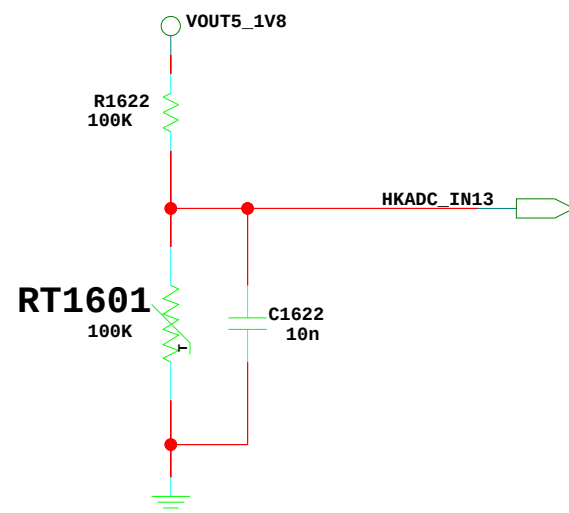
16. Charge Management

Charger IC

I2C address=1101011(0x6B)

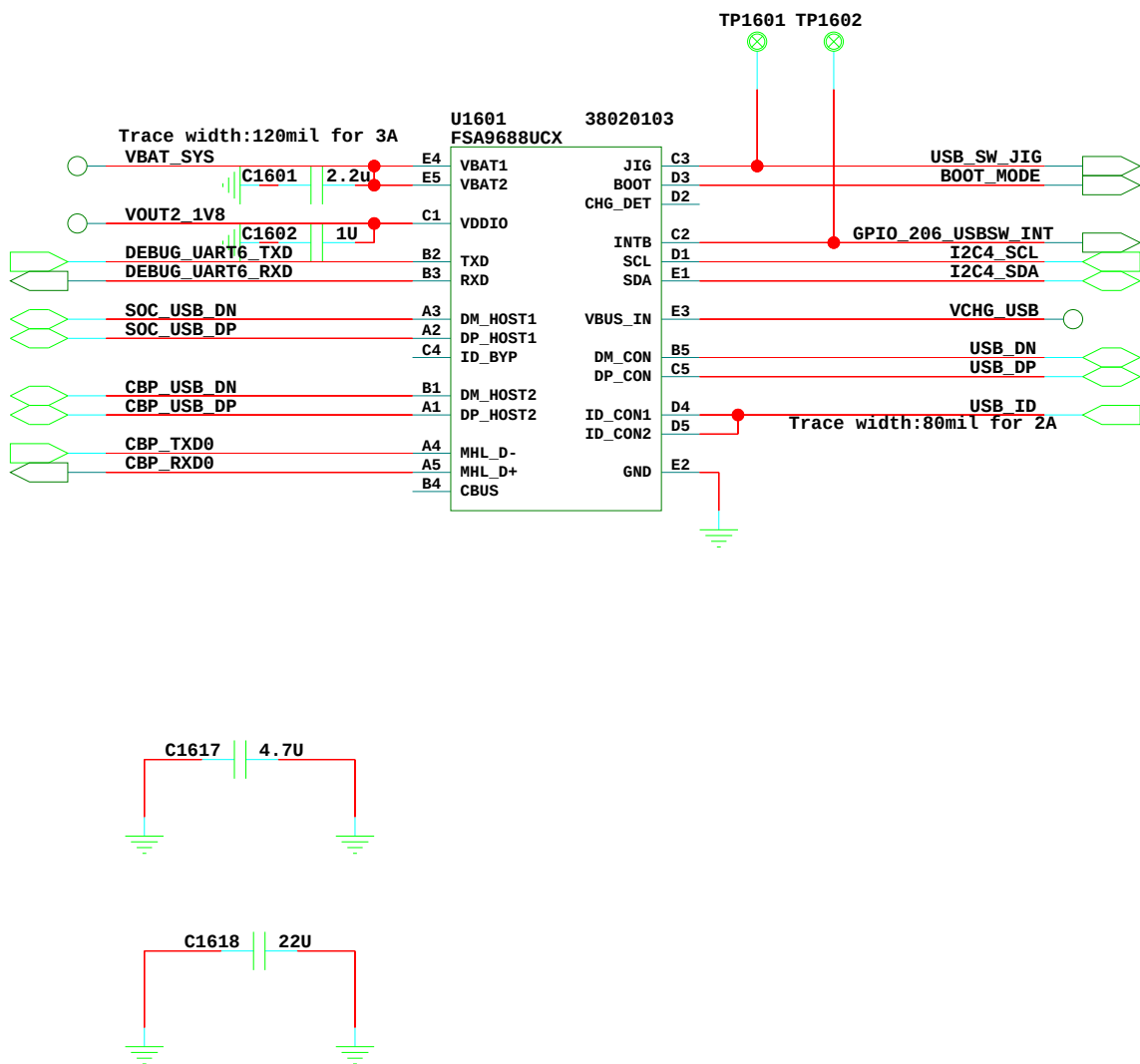


Charger IC Temp Detect



USB/UART SWITCH

I2C address=0100101(0x25)



The type and specification of the components refer to the BOM

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					20140523
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM			
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 16 OF 60	
				HUAWEI TECH CO.,LTD.	

D

18. Dual LCD Reserved

The type and specification of the components refer to the BOM

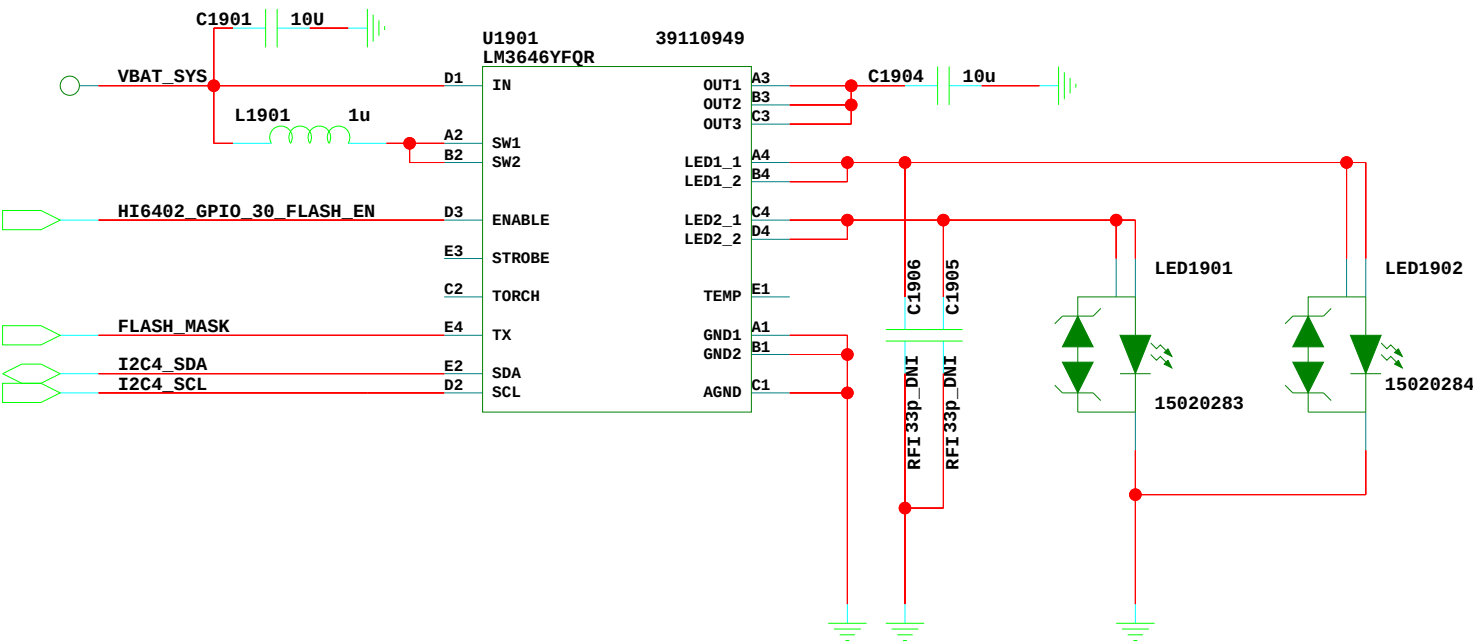
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REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 18 OF 60	
		A	03022MYN	HUAWEI TECH CO.,LTD.	

19. Flash LED

Flash LED

I2C address=1100111(0x67)

rear camera double flash led
software set the limit current 2.5A



The type and specification of the components refer to the BOM

				NA	20140523
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022AQQ_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 19 OF 60	
		A	03022AQQ	HUAWEI TECH CO.,LTD.	

D

				NA	20140523
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM			
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 20 OF 60	
		A		HUAWEI TECH CO.,LTD.	

21. GPIO Expander

The type and specification of the components refer to the BOM

					01-09-2015_21:13
					20140523
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM			
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 21 OF 60	
				HUAWEI TECH CO.,LTD.	

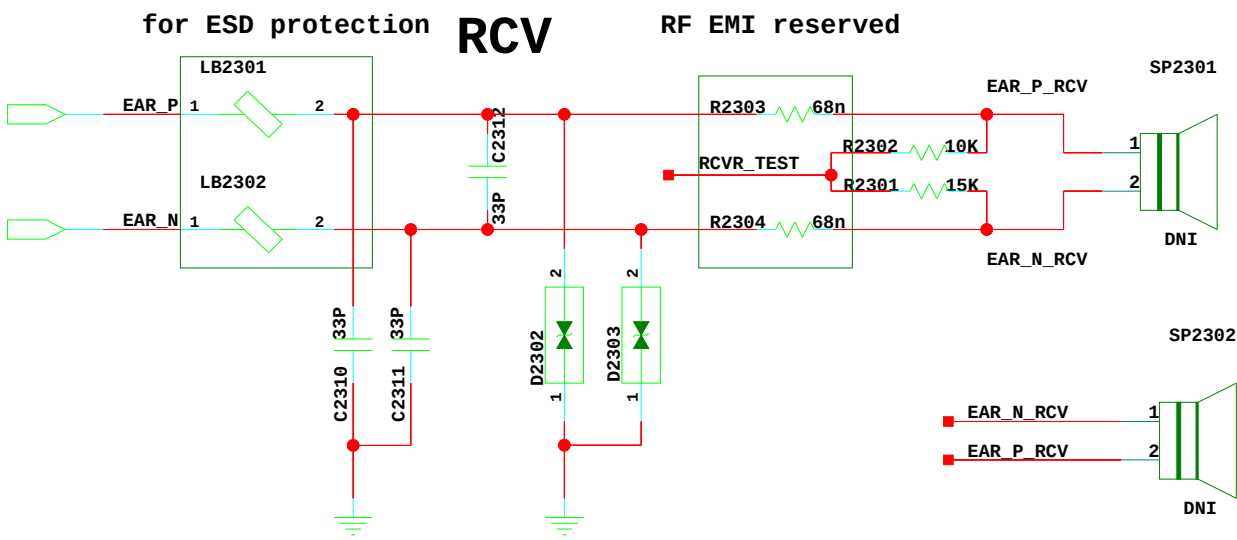
A



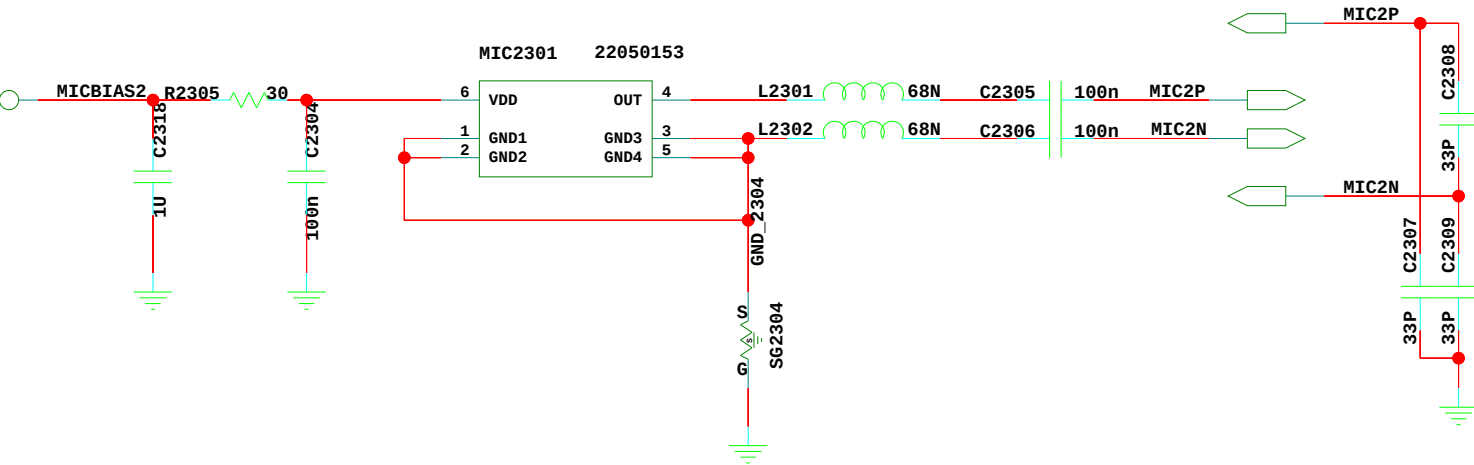
C

DD

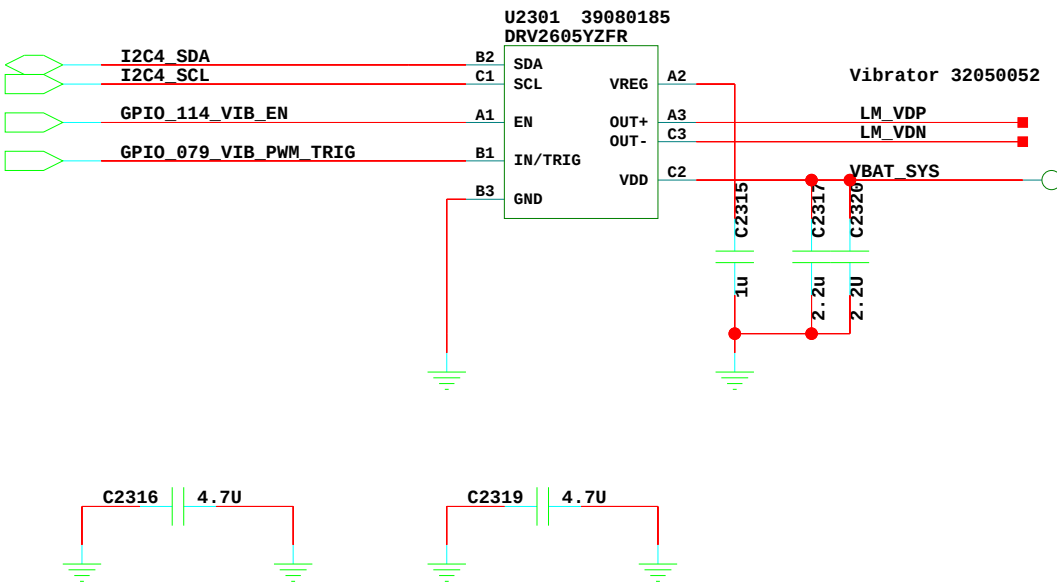
23. MIC/RCV/SPK/VIB



Slave MIC



Linear Vibrator Driver
I2C address=1011010(0X5A)

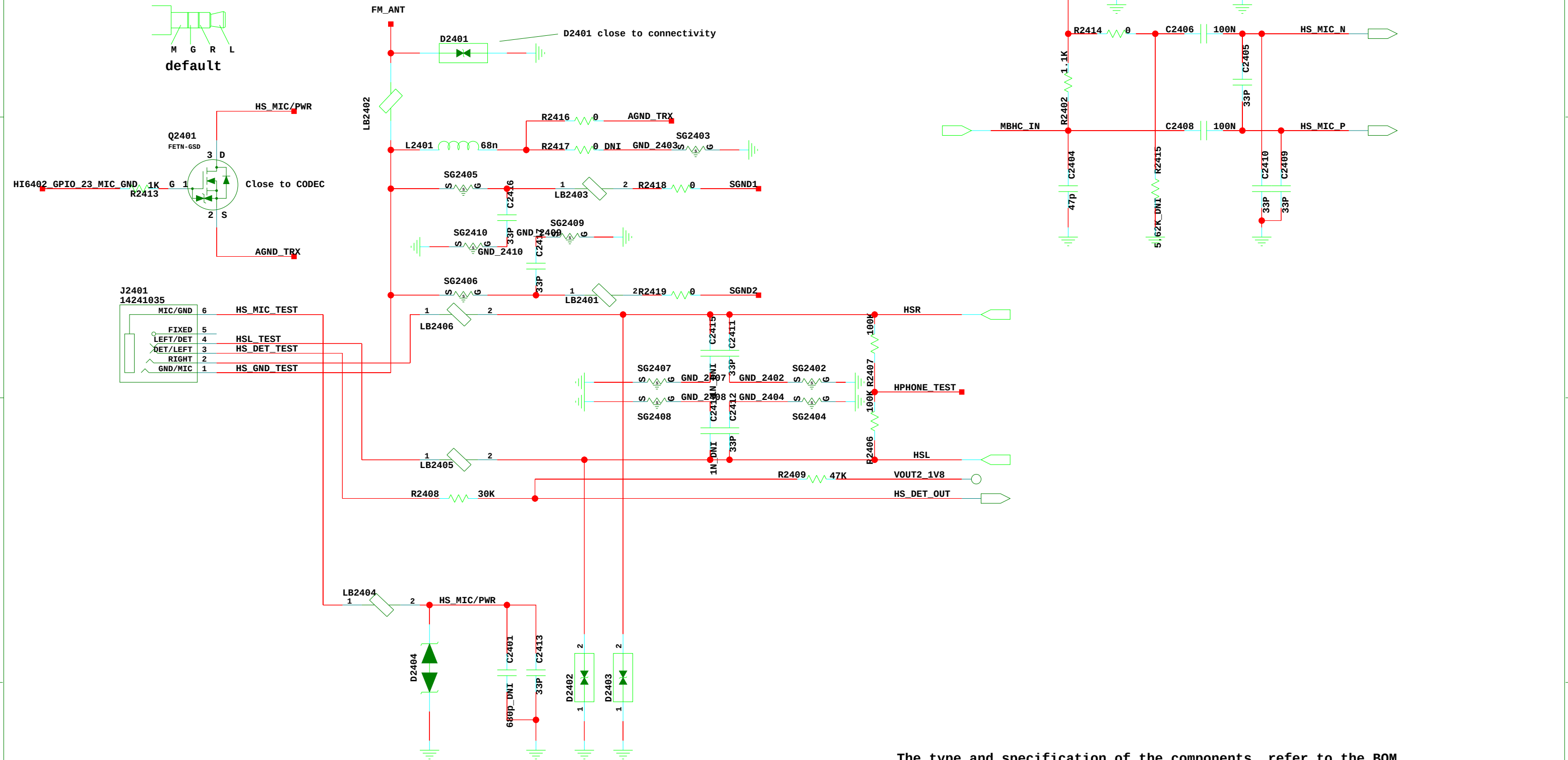


CAD note: MIC need differential trace

The type and specification of the components refer to the BOM

				NA	20140523
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022AQQ_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 23 OF 60	
		A	03022AQQ	HUAWEI TECH CO.,LTD.	

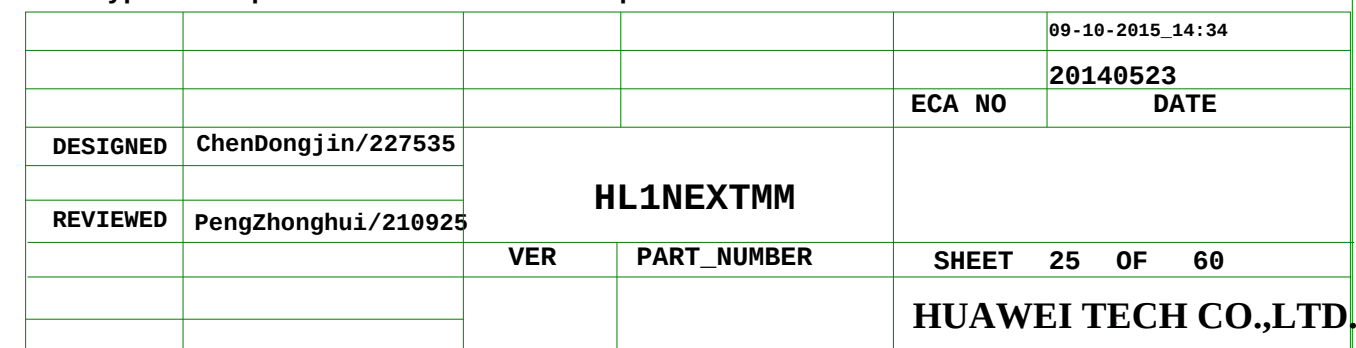
24. Headphone



The type and specification of the components refer to the BOM

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DESIGNED	ChenDongjin/227535	HL1NEXTMM		00001234	
REVIEWED	PengZhonghui/210925				
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		A	03022AQQ	HUAWEI TECH CO.,LTD.	

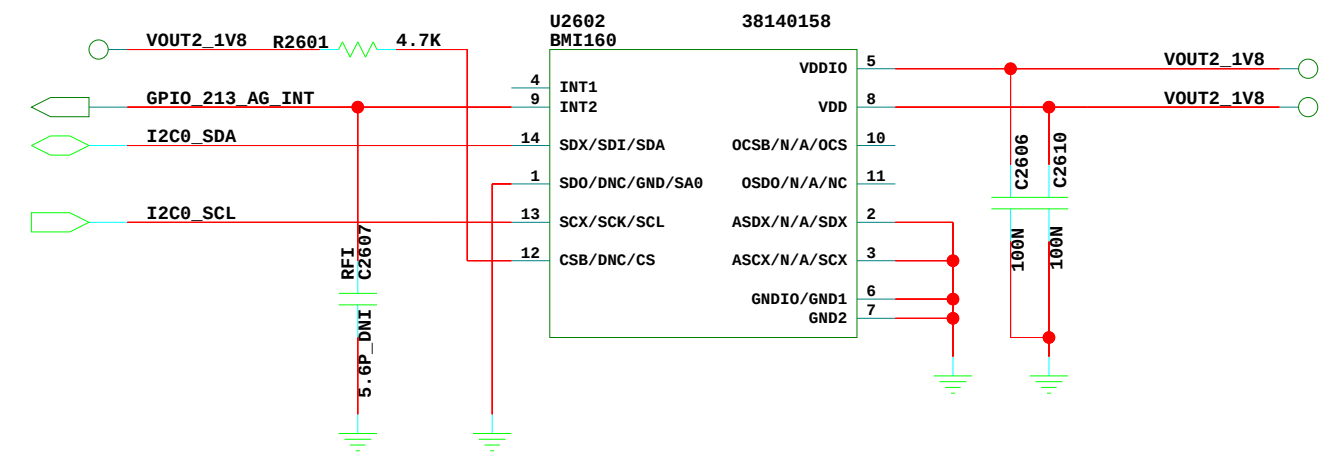
D



26. X-Sensor

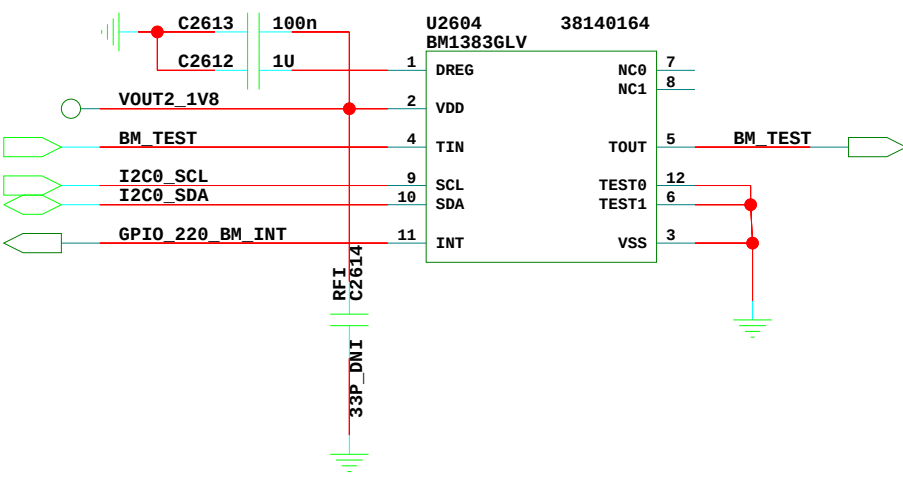
Accelerometer and Gyroscope 6-AXIS SENSOR

SDO=1 ADDRESS=0X6B(ST)/0X69(BOSCH)
SDO=0 ADDRESS=0X6A(ST)/0X68(BOSCH)



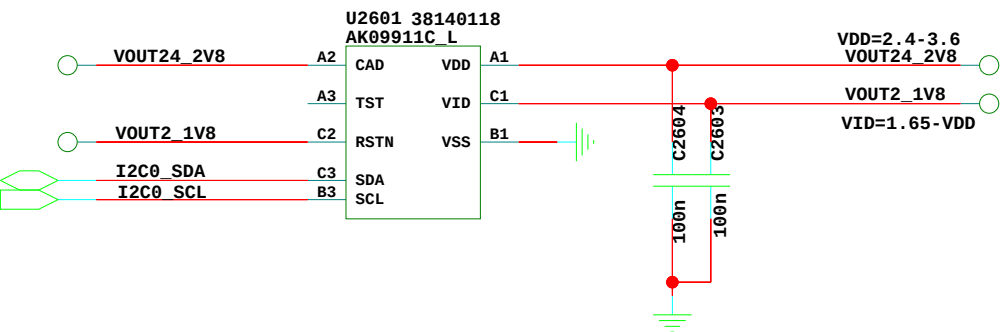
Barometer

I2C Address=1011101(0x5D)

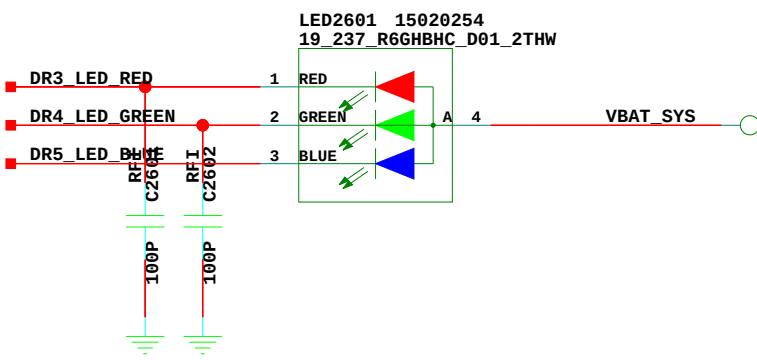


Compass

I2C Address=0001101(0x0D)



RGB LED

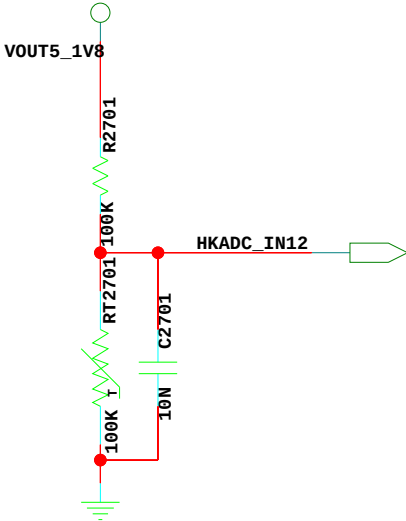


The type and specification of the components refer to the BOM

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DESIGNED	ChenDongjin/227535	HL1NEXTMM		00001234	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 26 OF 60	
		A	03022AQQ	HUAWEI TECH CO.,LTD.	

27. X-Sensor+IrDA

Hot Area TMP sensor

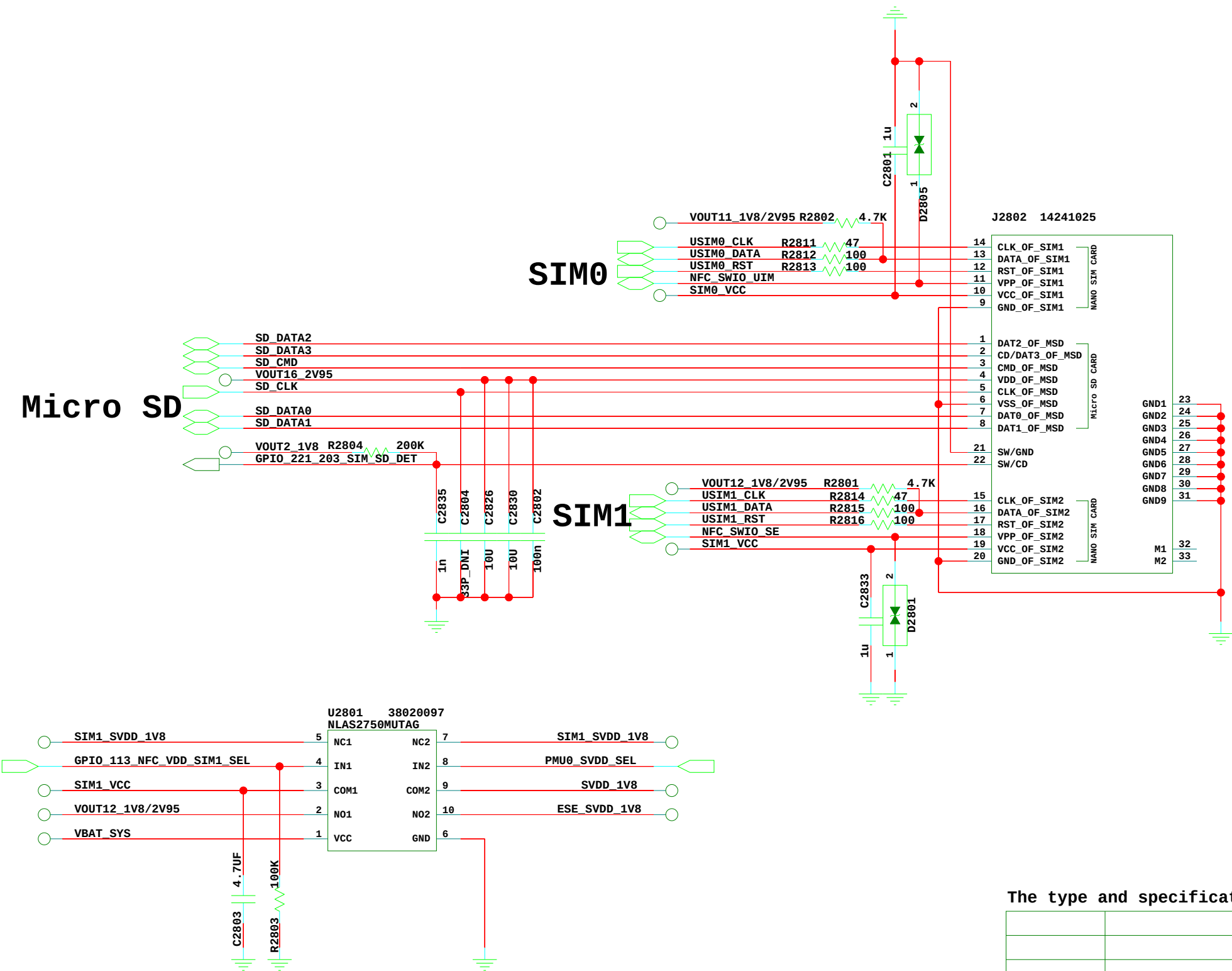


AP & Charg IC TEMP

The type and specification of the components refer to the BOM

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				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		00001234	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 27 OF 60	
		A	03022AQQ	HUAWEI TECH CO.,LTD.	

28.SIM/uSD Card



The type and specification of the components refer to the BOM

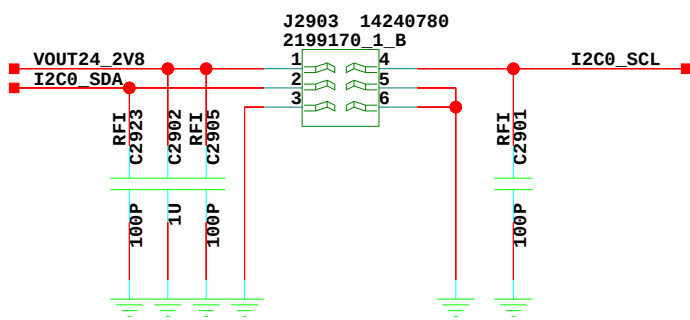
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				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022AQQ_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 28 OF 60	
		A	03022AQQ	HUAWEI TECH CO.,LTD.	

SIM1_VCC		
GPIO_113	SVDD_1V8	VOUT12_1V8/2V95
H		
L		

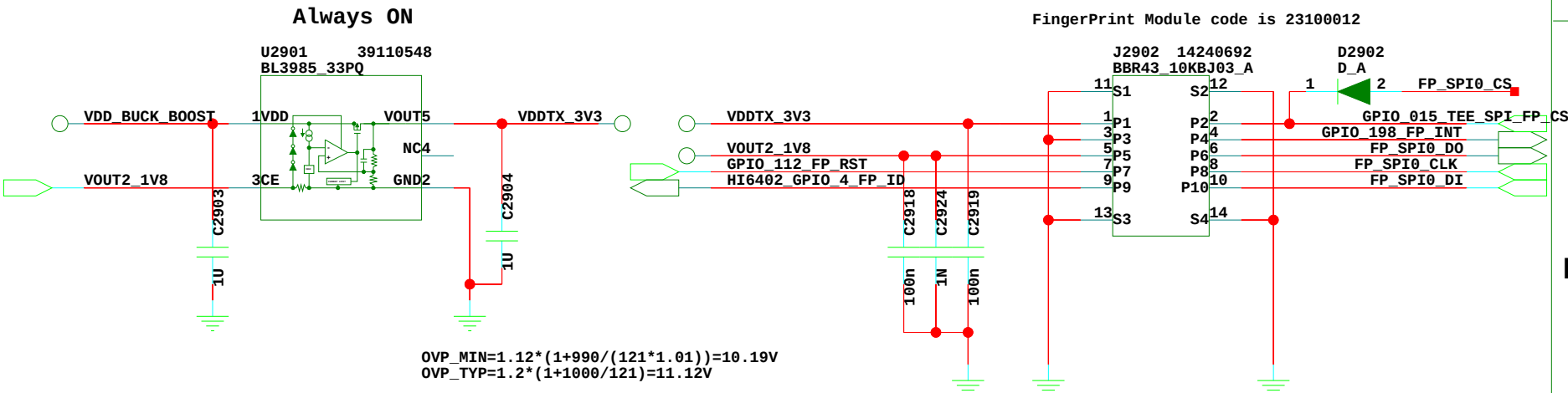
29.FPC Interface

PROXIMITY&AMBIENT LIGHT BTB

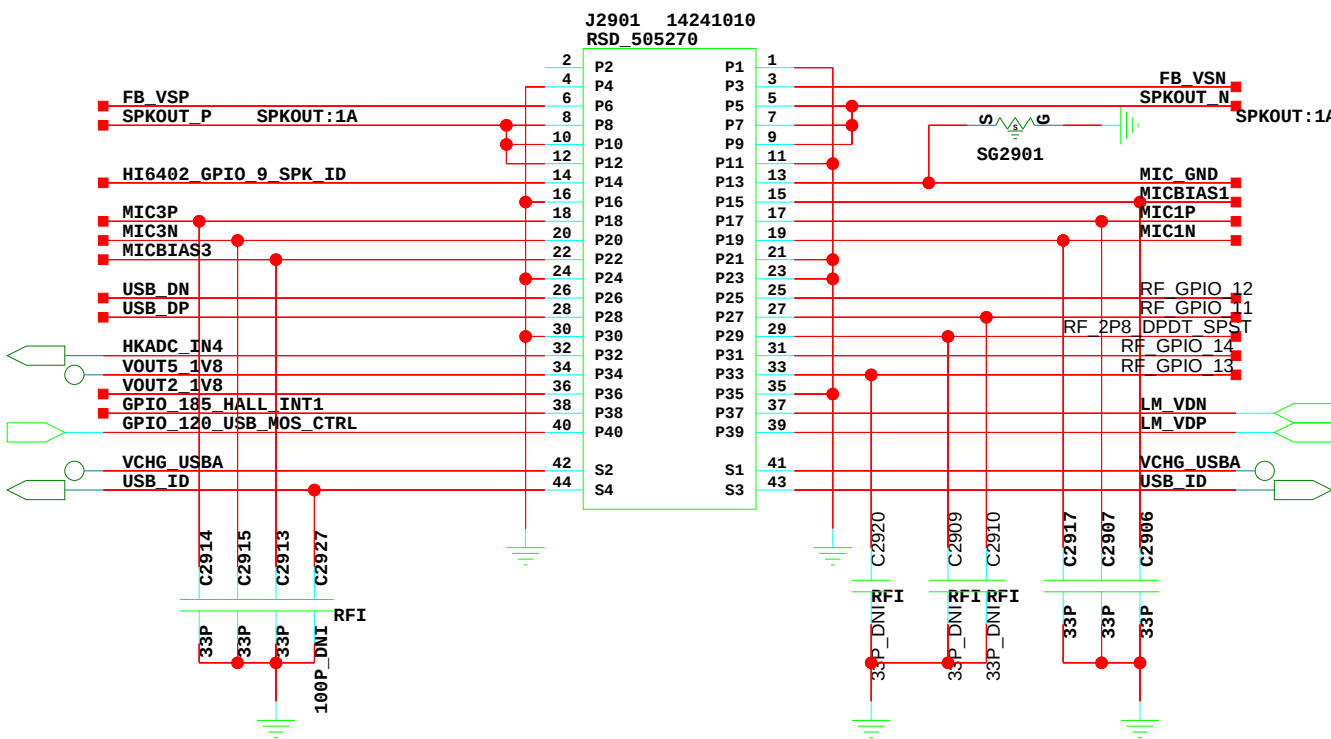
PRO I2C Address=0011110(0x1E)
RGB I2C Address=1010011(0x53)



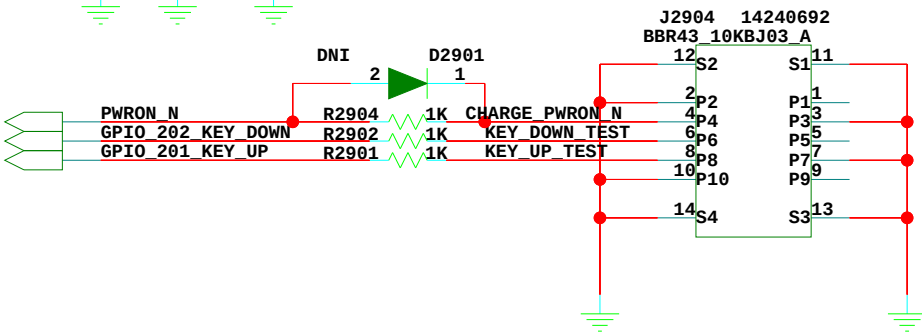
FingerPrint BTB



Main FPC BTB



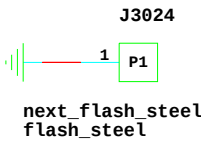
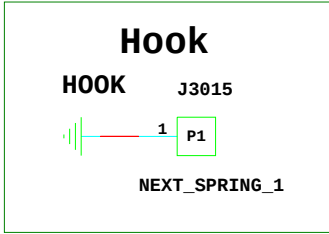
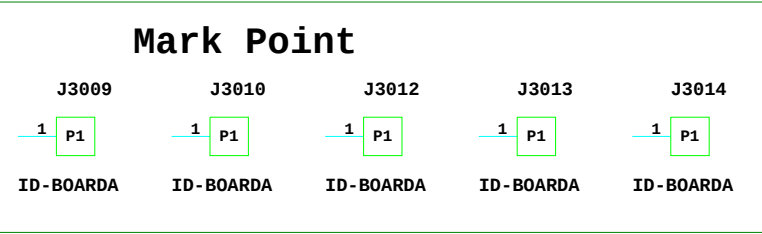
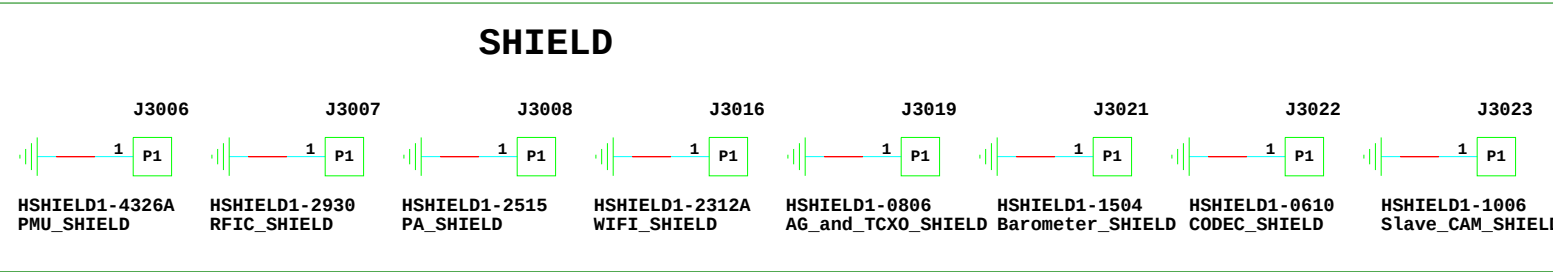
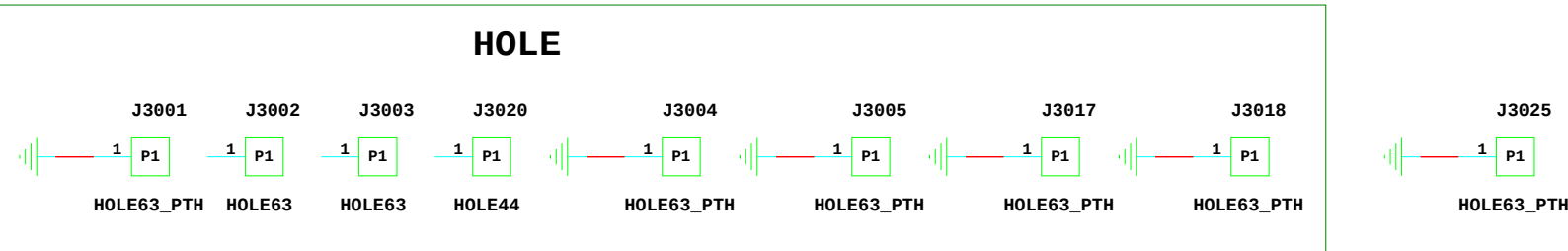
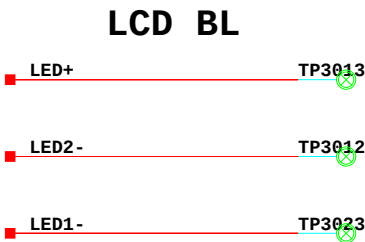
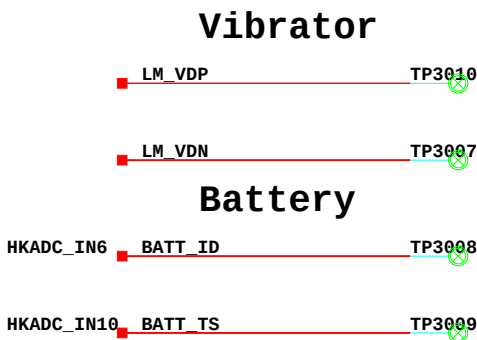
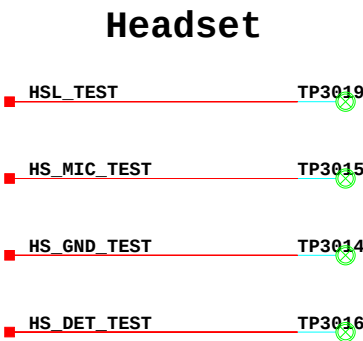
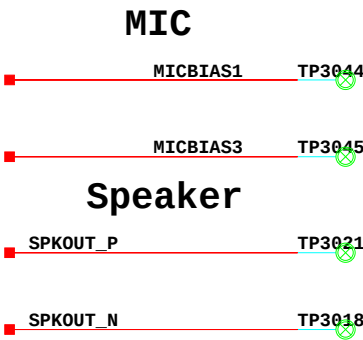
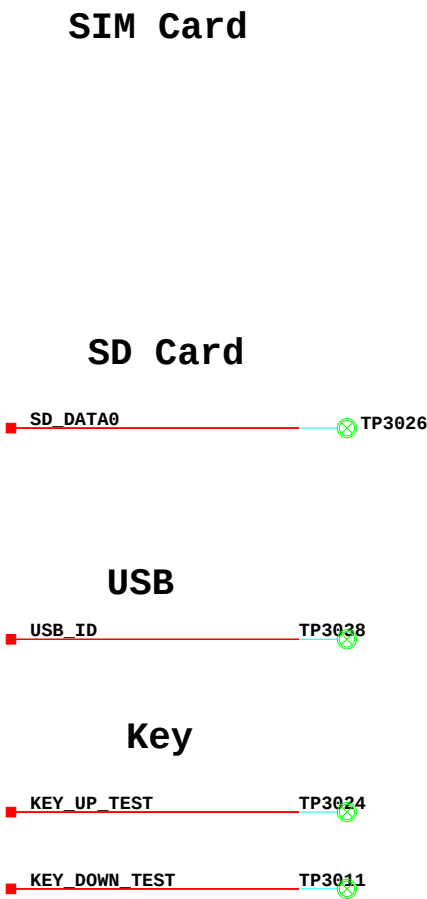
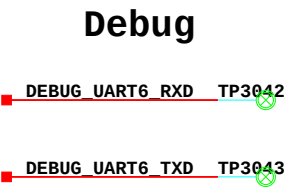
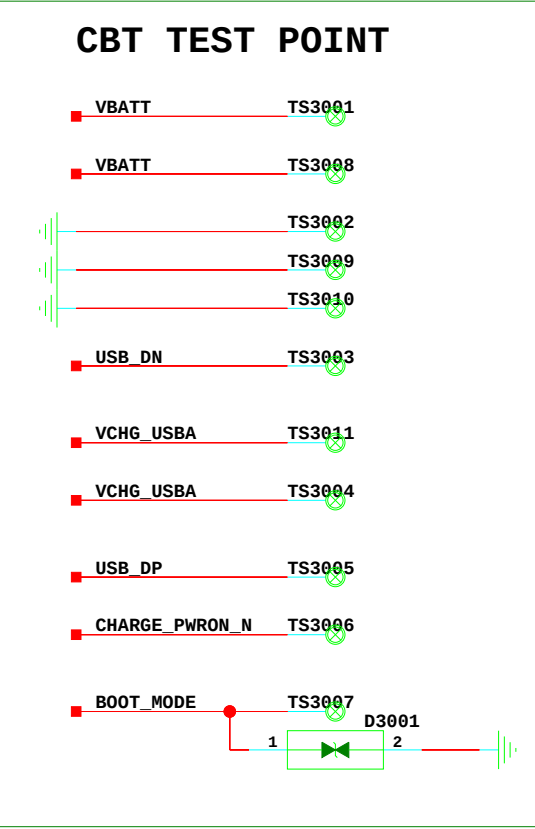
KEY BTB



The type and specification of the components refer to the BOM

					01-09-2015_21:13
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM			
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 29 OF 60	
				HUAWEI TECH CO.,LTD.	

30. Test Points/Shields



The type and specification of the components refer to the BOM

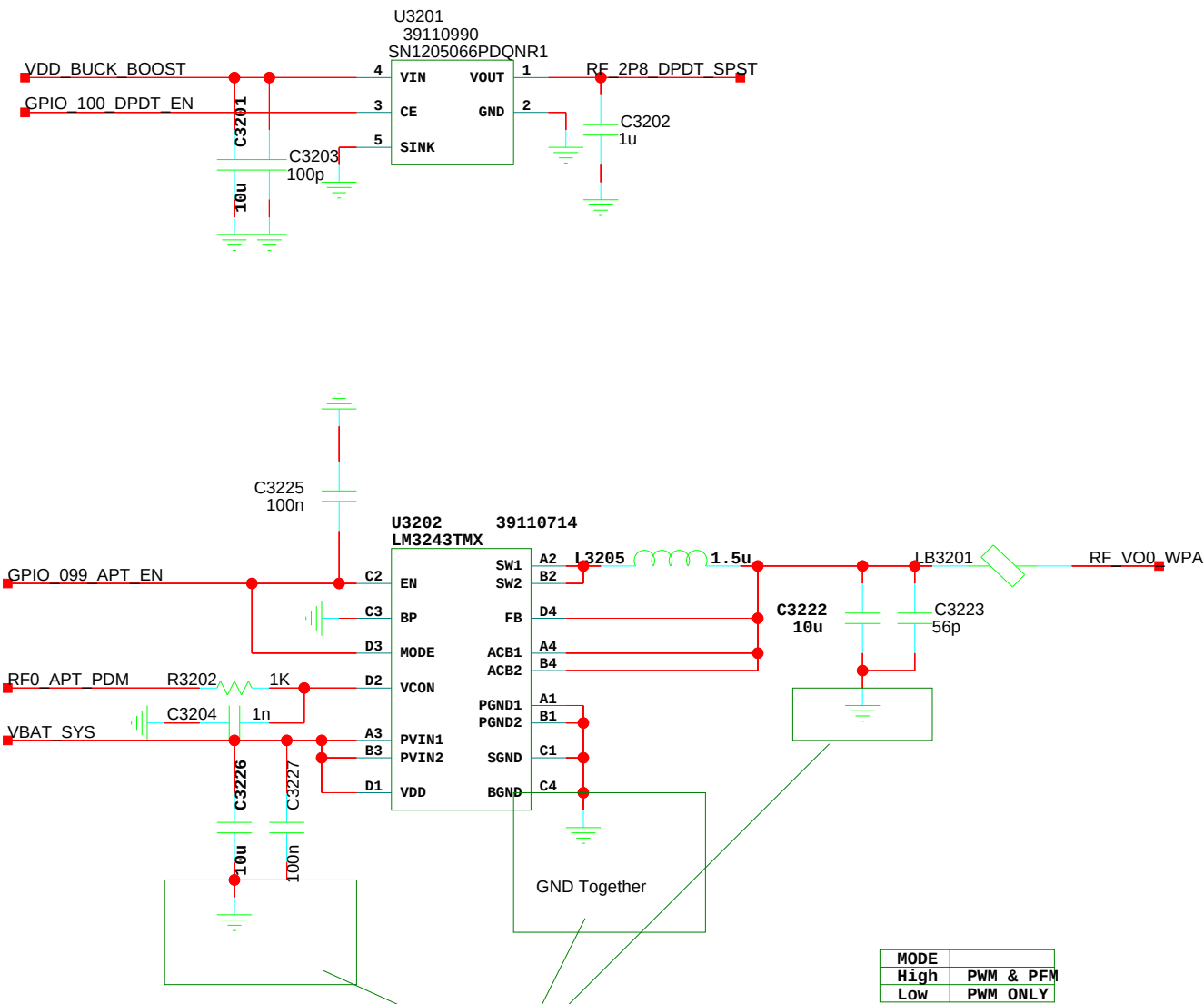
					01-09-2015_21:13
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM			
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 30 OF 60	
				HUAWEI TECH CO.,LTD.	

31.RF Interface

The type and specification of the components refer to the BOM

					01-09-2015_21:13
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 31 OF 60	
				HUAWEI TECH CO.,LTD.	

32.APT Power



Main SIM

RFIC0

- LDO1=1.29V
- LDO2=1.8V
- LDO3=1.85V
- LDO27=2.4V

Switch

- VCC 2.8V=LDO14
- VIO 1.8V=LDO28

PA

- VCC1 =LDO23
- VCC2 =APT

Secondary SIM

RFIC1

- LDO22=1.29V
- LDO2=1.8V
- LDO3=1.85V
- LDO27=2.4V

Switch

- VCC 2.8V=LDO14
- VIO 1.8V=LDO28

2G PA

- Vbatt=VBattery
- VCC =VBattery
- LDO23=PA Bias

GND Together

The type and specification of the components refer to the BOM

				01-09-2015_21:13
				NA
				ECA NO
				DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		00001234
REVIEWED	LISI XXXXX			
		VER	PART_NUMBER	SHEET 32 OF 60
				HUAWEI TECH CO.,LTD.

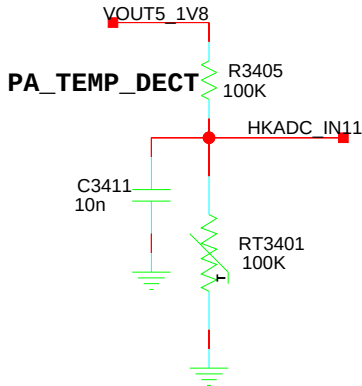
A



D

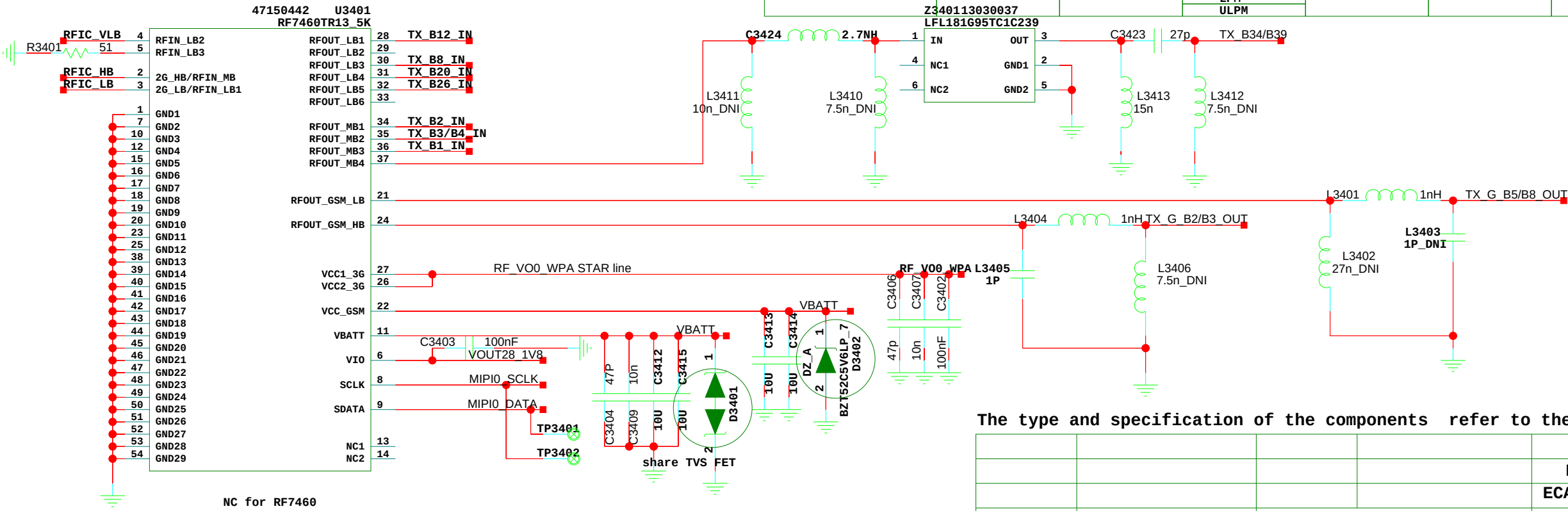
D

34.RF Front End MMMBPA



RF7460A
Reg.1D_Product_ID, 0x00
Reg.1E_Mfr_ID, 0x34
Reg.1F_USID_ID, 0xF

Bands and Modes				7 Bits data Register Setting			
Band Select	Input Pin	Output Pin	Power mode	Spare	Band	PA EN	PA Mode
default				0	0001	0	10
B1	2	36	HPM	0	0001	1	00
			LPM				10
B2	2	34	HPM	0	0010	1	00
			LPM				10
TDS 34/39	2	37	HPM	0	0011	1	00
			LPM				10
B3/B4	2	35	HPM	0	0100	1	00
			LPM				10
B5	3	32	HPM	0	0101	1	00
			LPM				10
B26	3	32	HPM	0	0110	1	00
			LPM				10
B8	3	30	HPM	0	0111	1	00
			LPM				10
B20	3	31	HPM	0	1010	1	00
			LPM				10
B12/17	4	28	HPM	0	1110	1	00
			LPM				10
GSM LB	3	21	HPM	0	1000	1	00
			MPM				01
			LPM				10
			ULPM				11
GSM HB	2	24	HPM	0	1001	1	00
			MPM				01
			LPM				10
			ULPM				11
EDGE LB	3	21	HPM	0	1100	1	00
			MPM				01
			LPM				10
			ULPM				11
EDGE HB	2	24	HPM	0	1101	1	00
			MPM				01
			LPM				10
			ULPM				11



The type and specification of the components refer to the BOM				NA	20114-01-08
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03022RLA_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 34 OF 60	
		B	03022RLA	HUAWEI TECH CO.,LTD.	

A

B

C



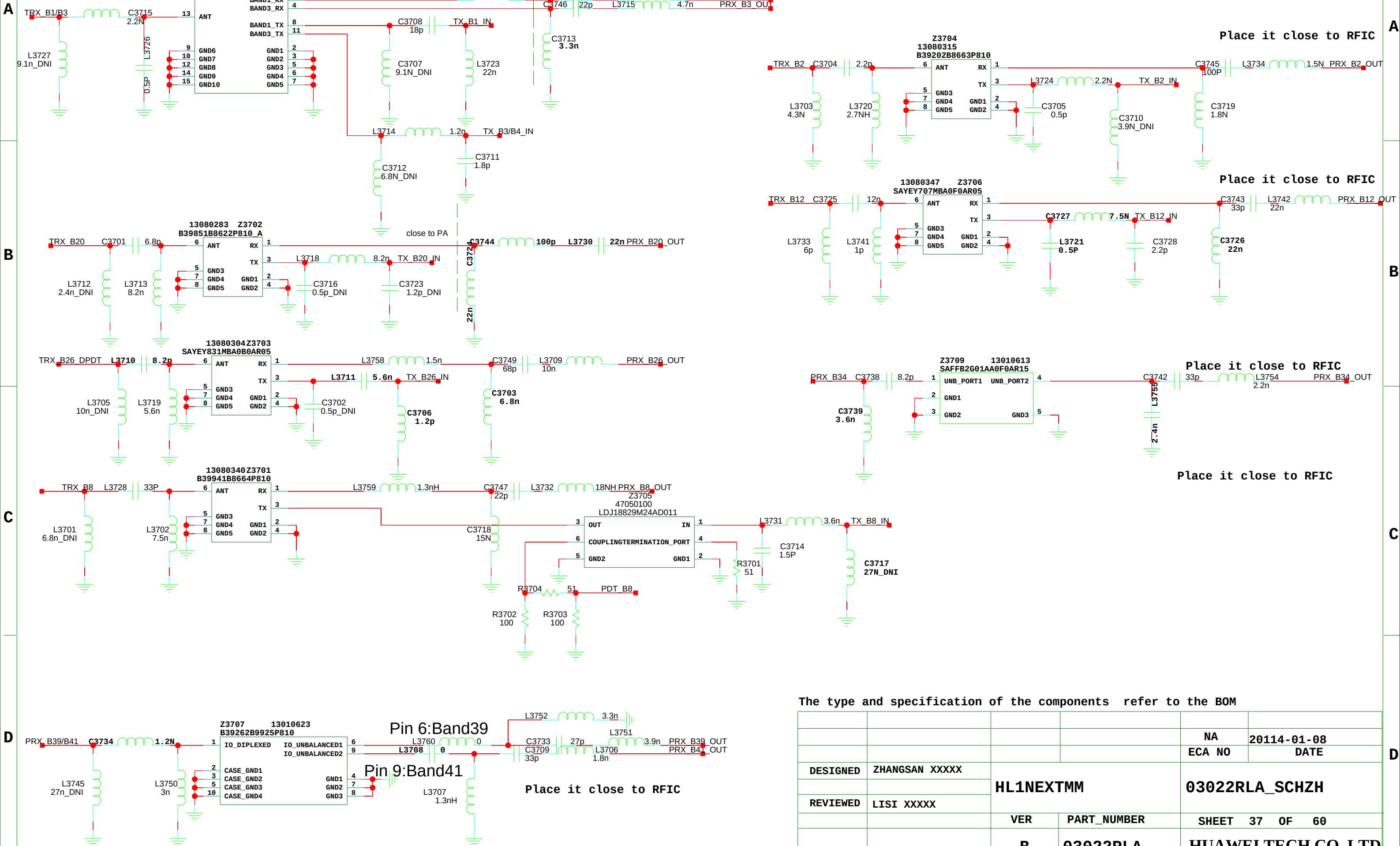
				NA	20114-01-08
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03022RLA_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 35 OF 60	
		B	03022RLA	HUAWEI TECH CO.,LTD.	

36.Reversed

The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 36 OF 60	
		A	03030001	HUAWEI TECH CO.,LTD.	

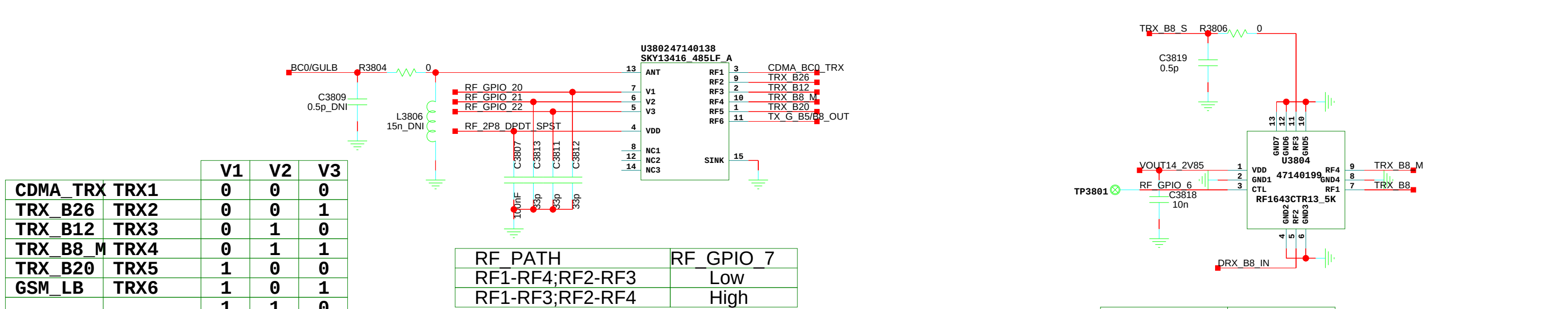
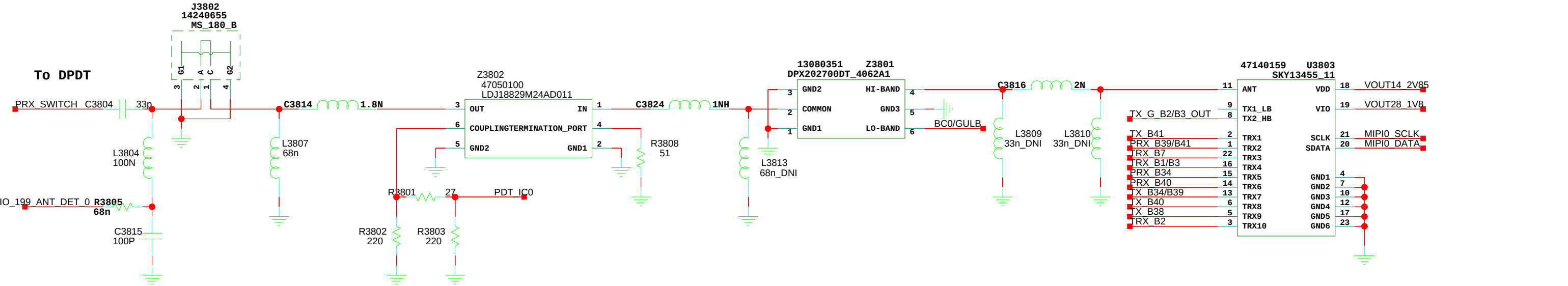
37.RF Front End



The type and specification of the components refer to the BOM

				NA	20114-01-08
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03022RLA_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 37 OF 60	
		B	03022RLA	HUAWEI TECH CO.,LTD.	

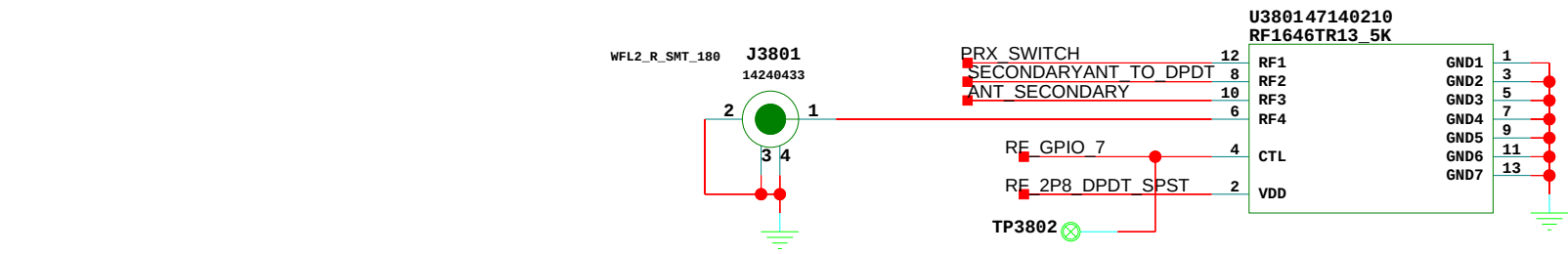
38.RF Front End Switch /Main ANT



		V1	V2	V3
CDMA_TRX	TRX1	0	0	0
TRX_B26	TRX2	0	0	1
TRX_B12	TRX3	0	1	0
TRX_B8_M	TRX4	0	1	1
TRX_B20	TRX5	1	0	0
GSM_LB	TRX6	1	0	1
		1	1	0
Shut Down		1	1	1

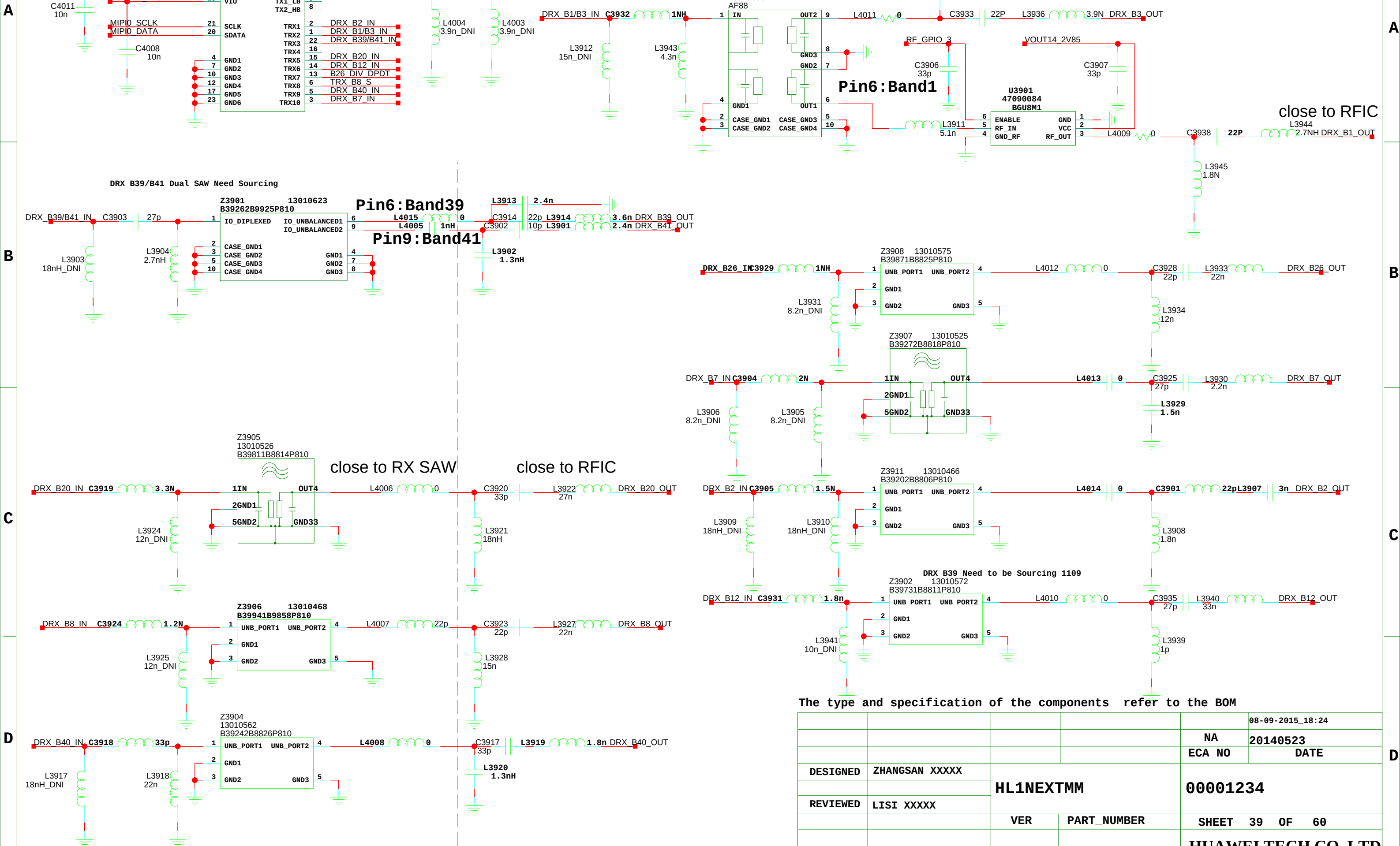
RF PATH	RF GPIO 7
RF1-RF4;RF2-RF3	Low
RF1-RF3;RF2-RF4	High

RF GPIO 6	RF PATH
Low	RF1-RF4,RF2-RF3
High	RF1-RF3,RF2-RF4



The type and specification of the components refer to the BOM					
				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 38 OF 60	
		B		HUAWEI TECH CO.,LTD.	

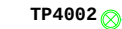
39. LTE Diversity-1



					08-09-2015_18:24
				NA	20140523
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 39 OF 60	
				HUAWEI TECH CO.,LTD	



RF_PATH	RF_GPIO_4
RF1-RF4;RF2-RF3	Low
RF1-RF3;RF2-RF4	High



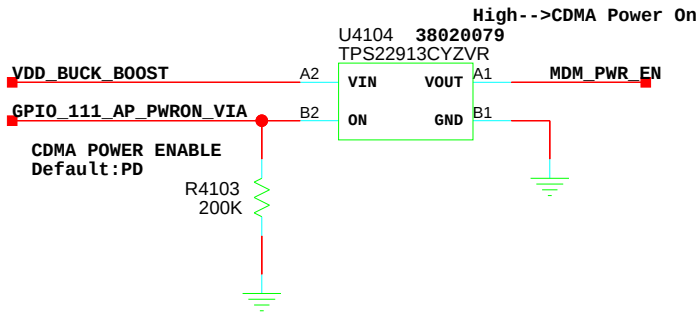
RF_PATH	RF_GPIO_23
ANT-RF1	Low
ANT-RF2	High

The type and specification of the components refer to the BOM

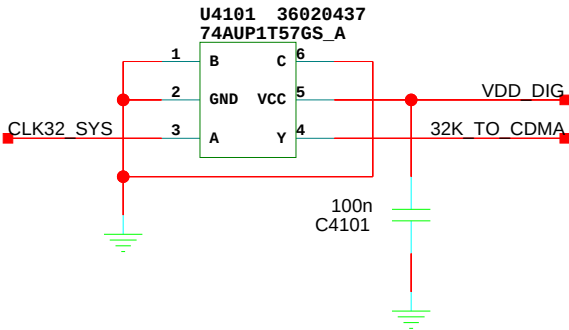
					01-09-2015_21:13
				NA	20140523
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM			00001234
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 40 OF 60	
				HUAWEI TECH CO.,LTD.	

41.CDMA Modem_VIA

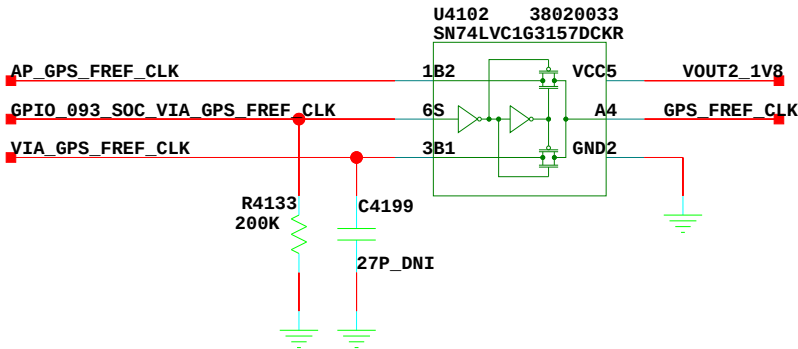
CDMA POWER ENABLE



CDMA 32k CLK buffer



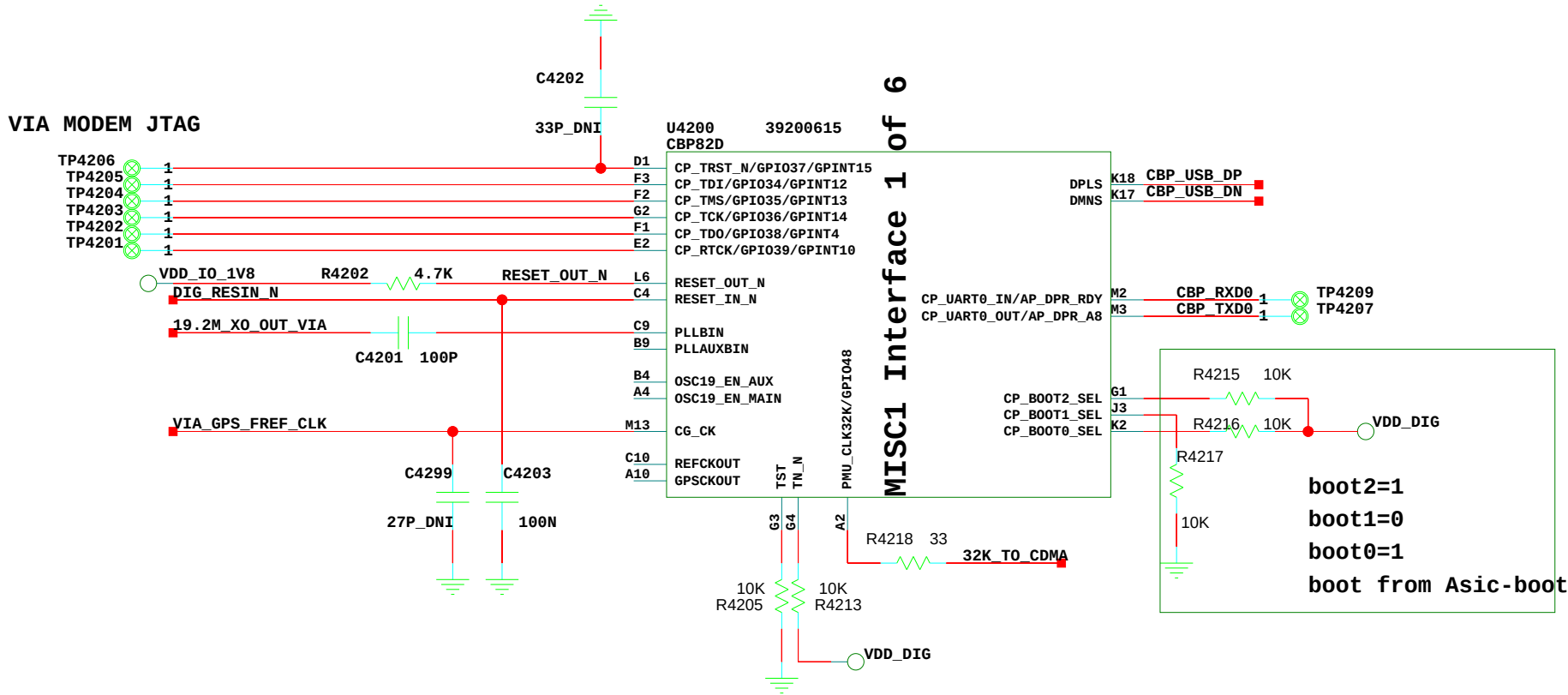
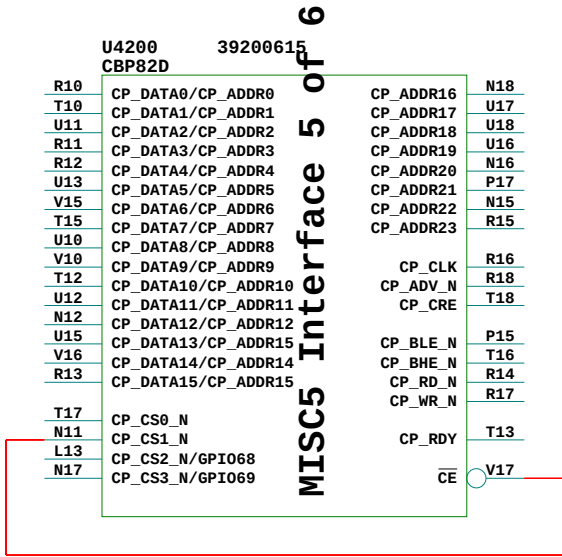
GPS FREF CLK switch



The type and specification of the components refer to the BOM

				NA	20140523
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		00001234	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 41 OF 60	
		A	03030001	HUAWEI TECH CO.,LTD.	

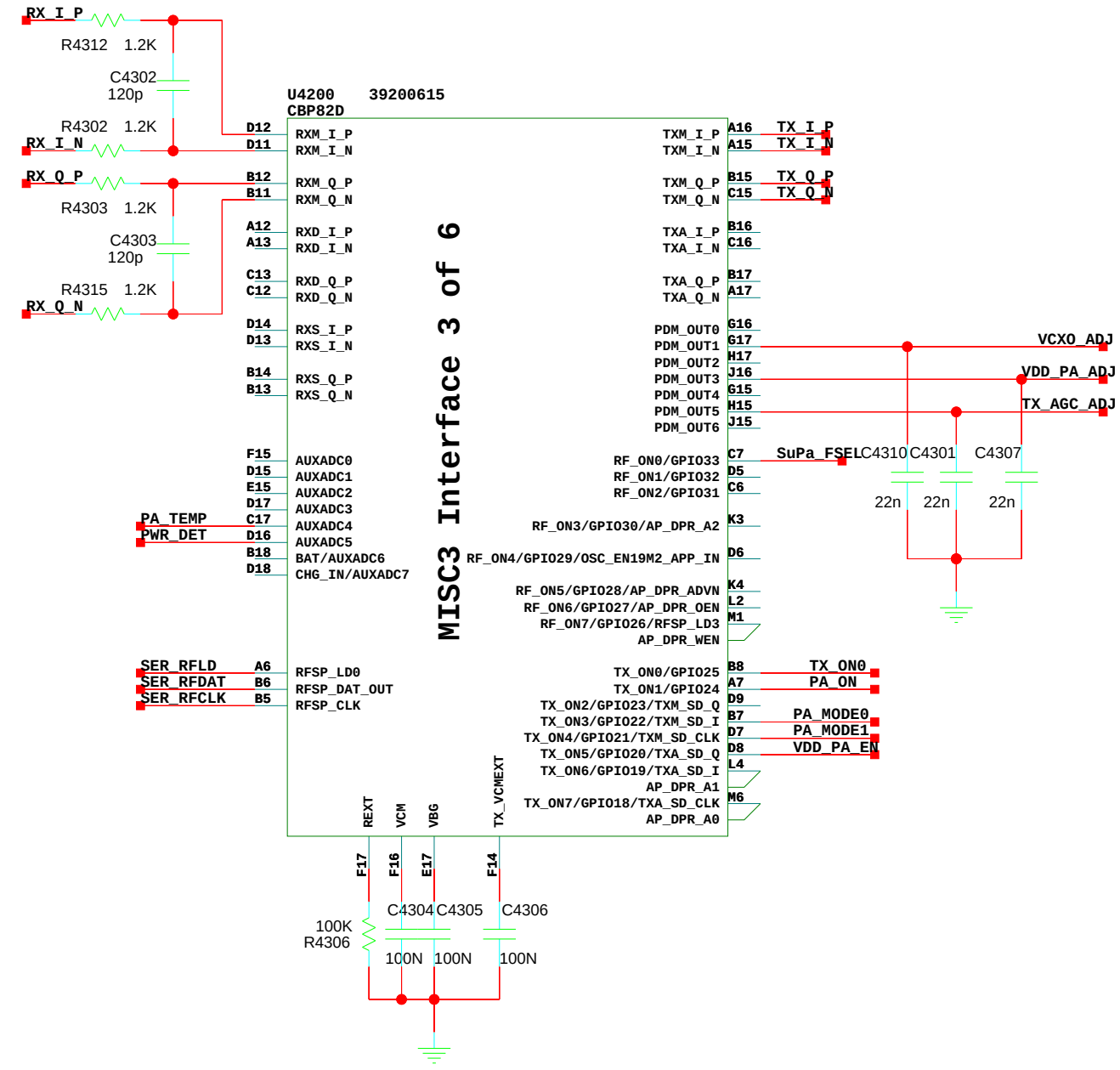
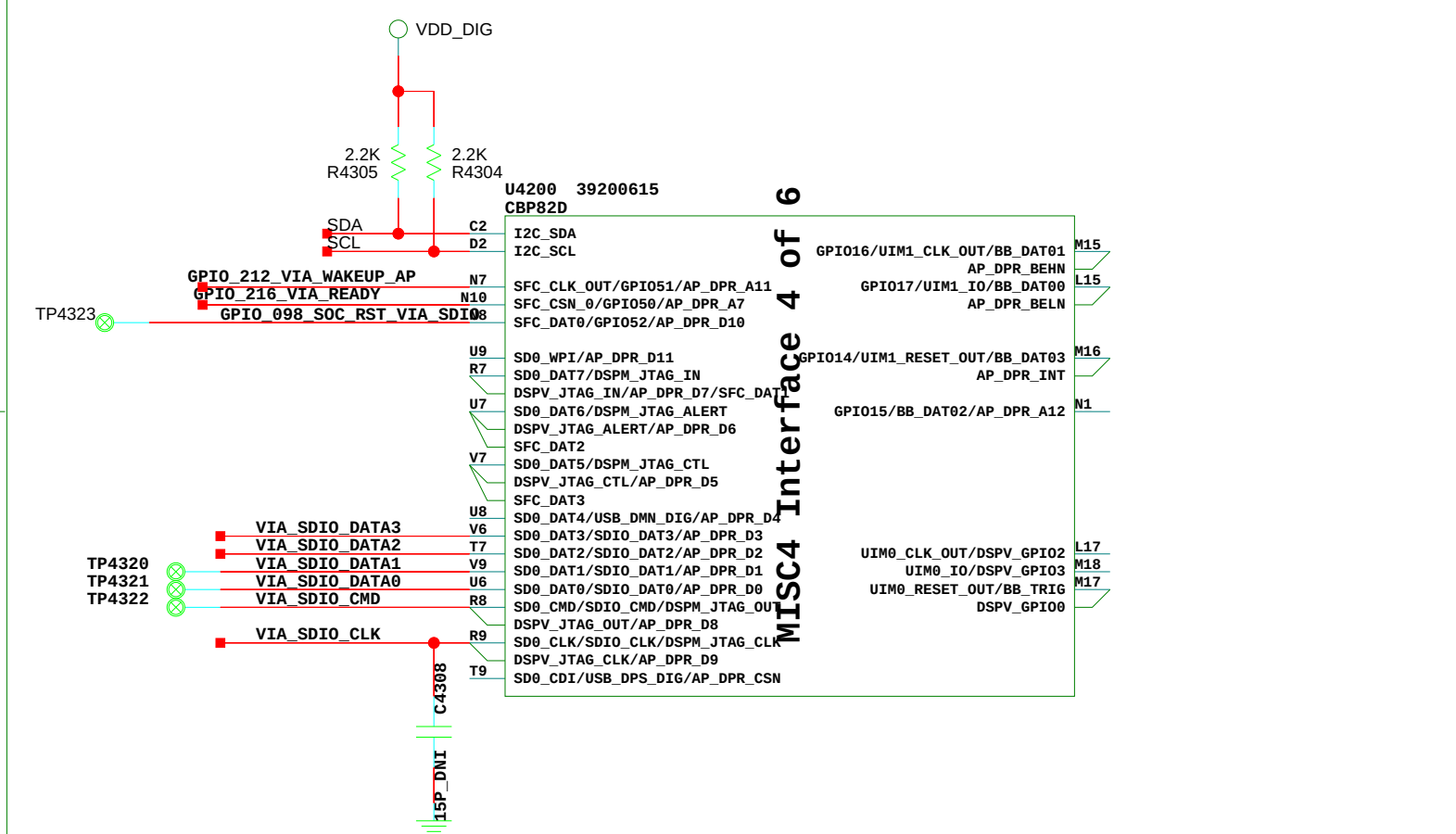
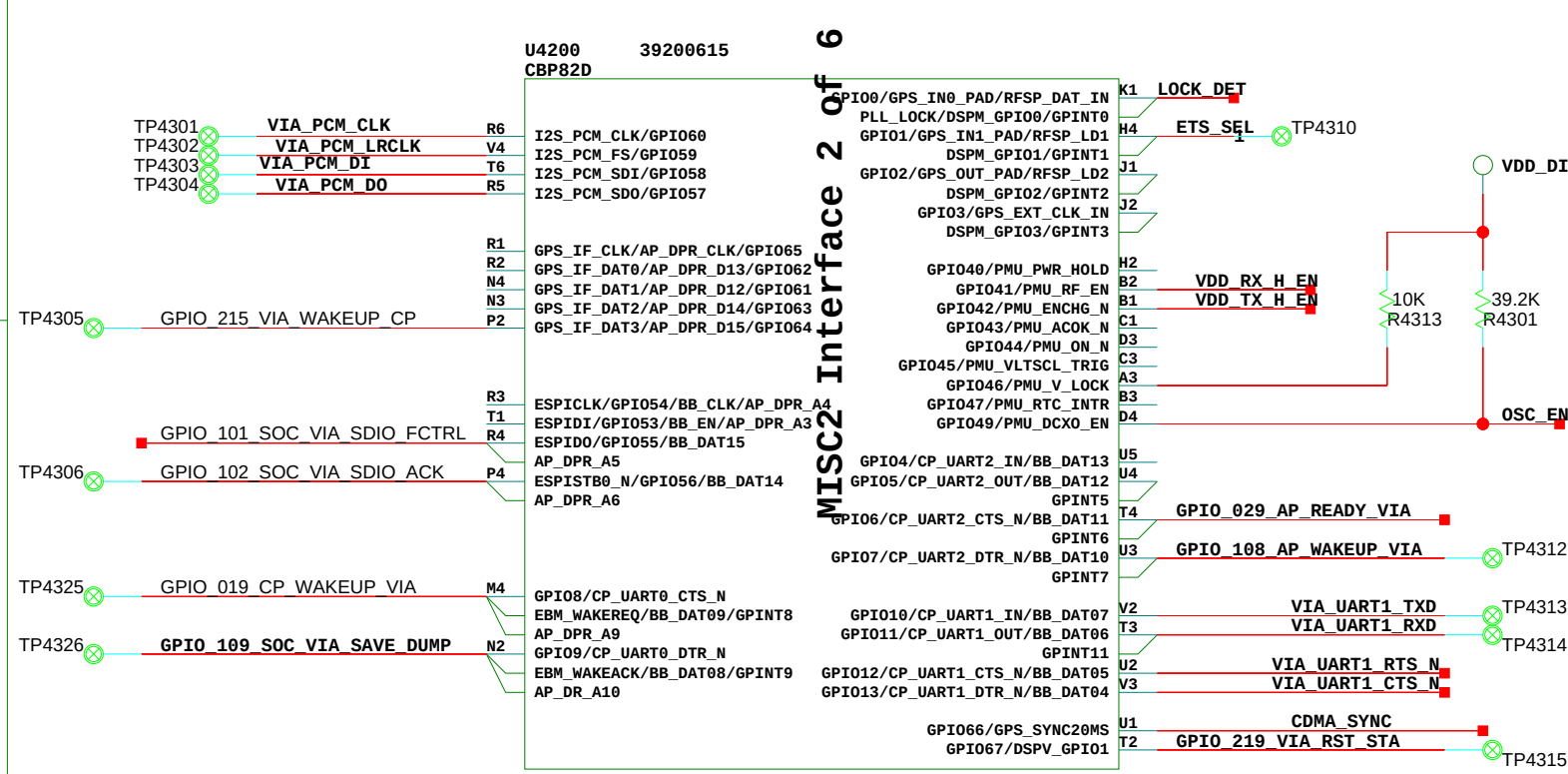
42.CDMA Modem_VIA



The type and specification of the components refer to the BOM

				NA	20140523
				ECA NO	DATE
DESIGNED		HL1NEXTMM		03011DRH_SCHZH	
REVIEWED					
		VER	PART_NUMBER	SHEET 42 OF 60	
		A	03022MYN	HUAWEI TECH CO.,LTD.	

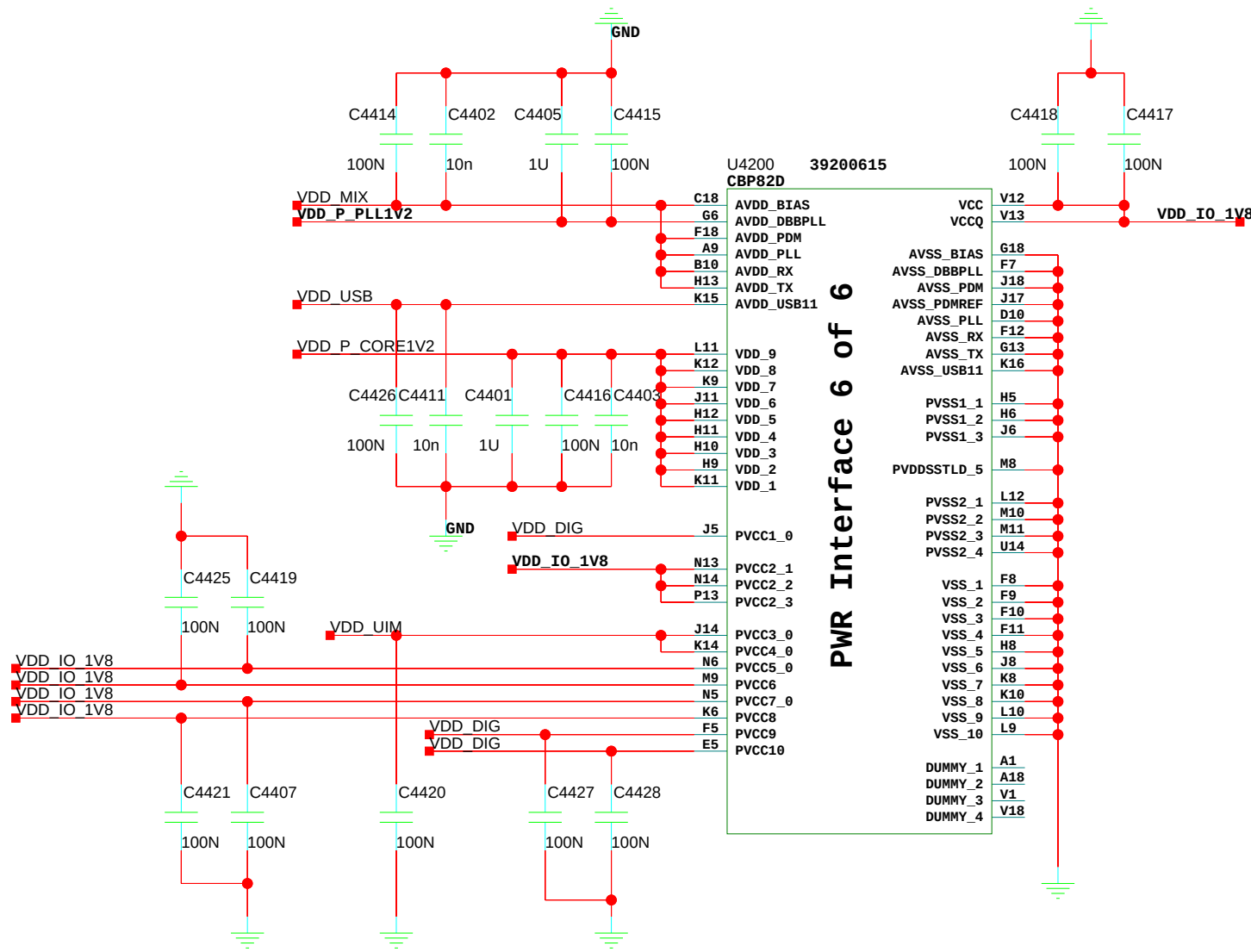
43.CDMA Modem_VIA



The type and specification of the components refer to the BOM

				NA	20140523
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03011DRH_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 43 OF 60	
		A	03022MYN	HUAWEI TECH CO.,LTD.	

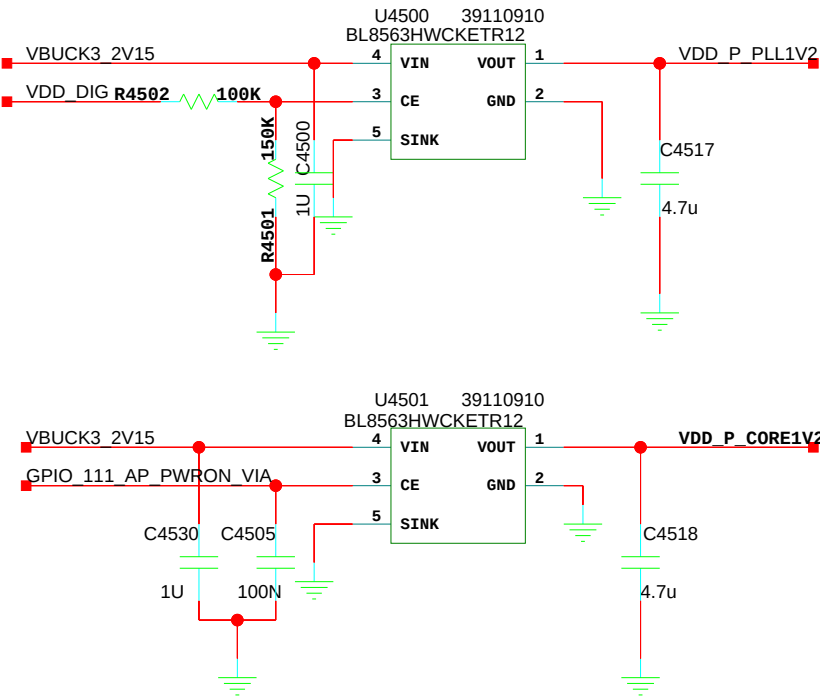
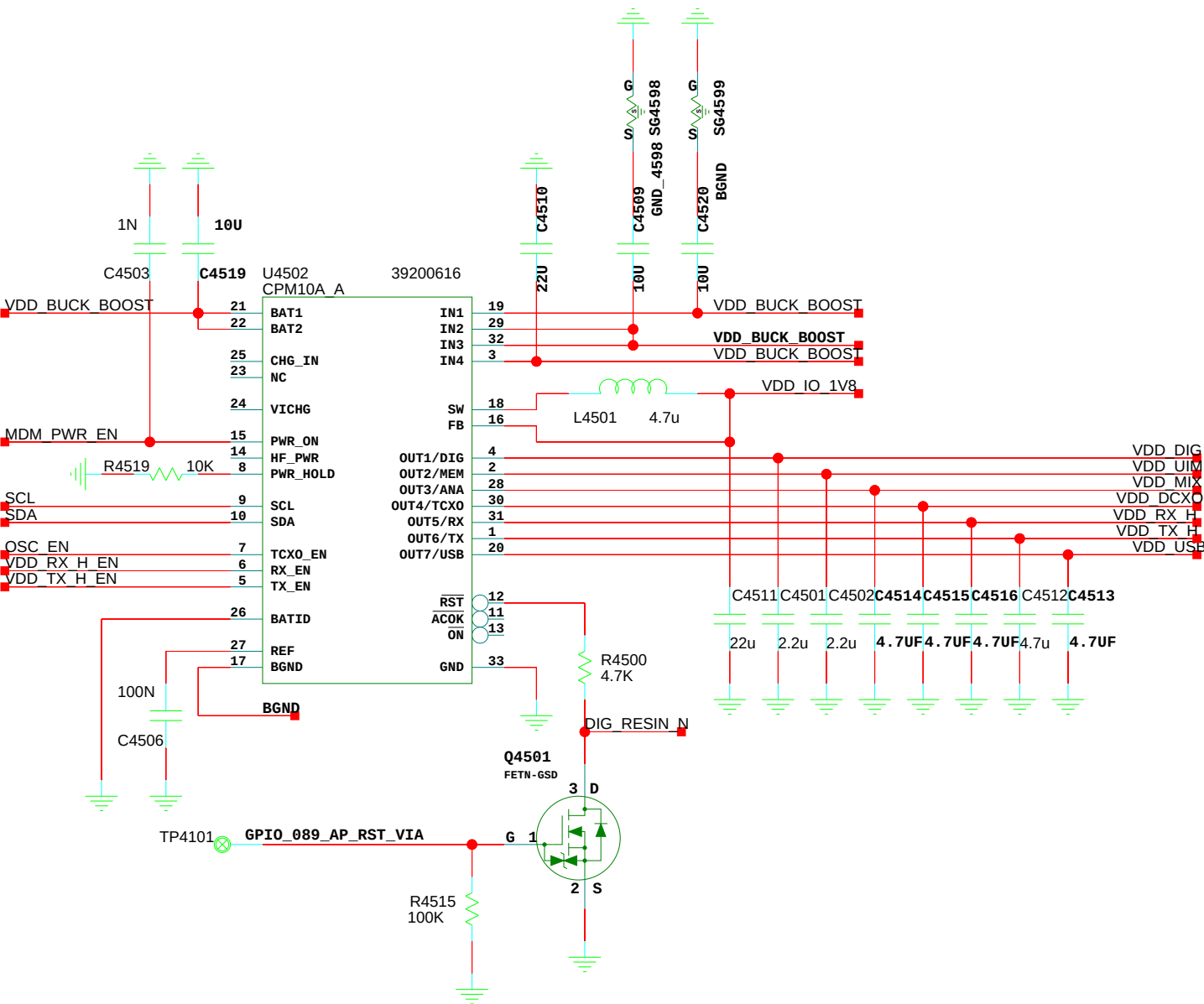
44.CDMA Modem_VIA PWR-1



The type and specification of the components refer to the BOM

				NA	20140523
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03011DRH_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 44 OF 60	
		A	03022MYN	HUAWEI TECH CO.,LTD.	

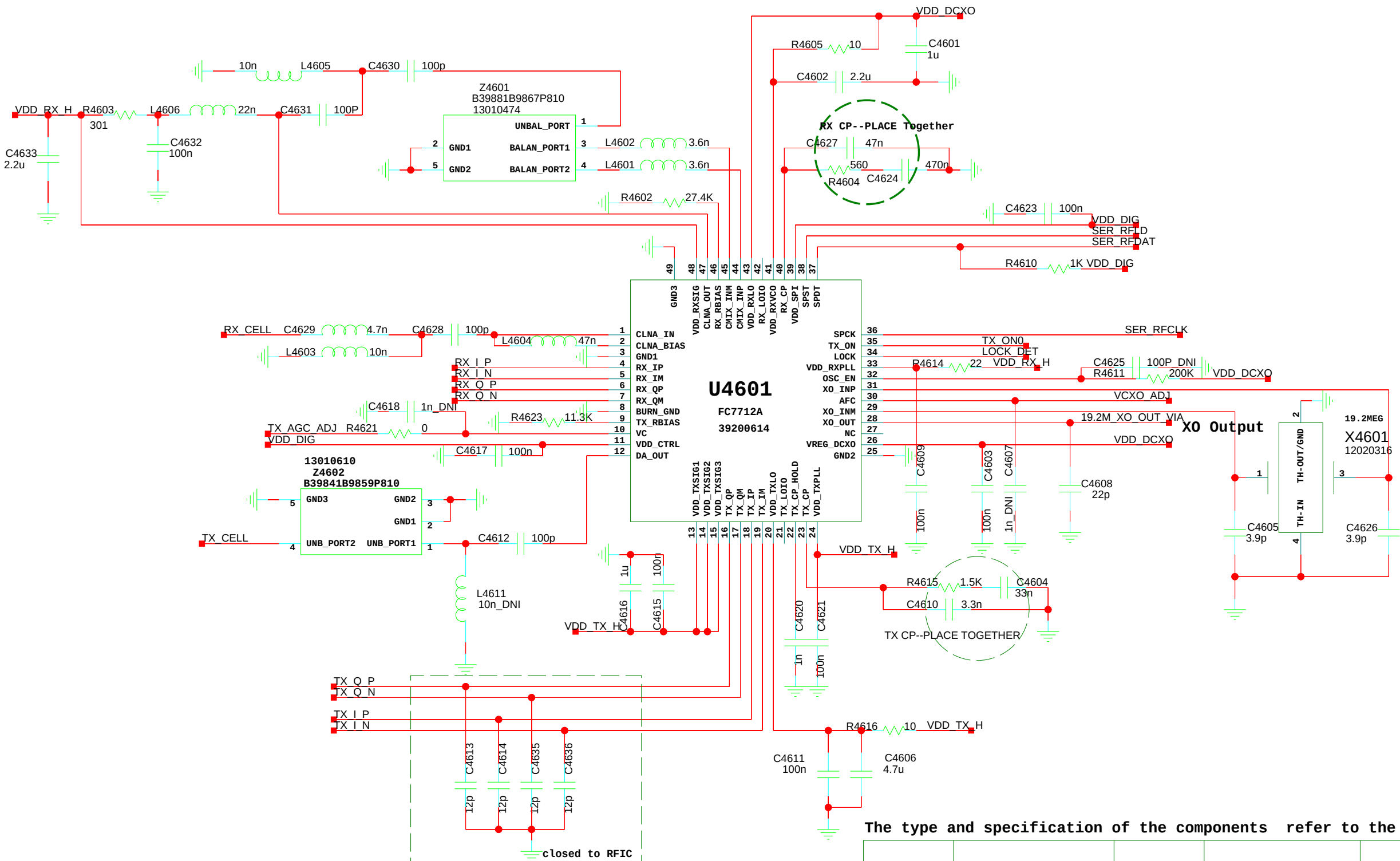
45.CDMA Modem_VIA PWR-2



The type and specification of the components refer to the BOM

				NA	20140523
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03011DRH_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 45 OF 60	
		A	03022MYN	HUAWEI TECH CO.,LTD.	

46.CDMA RFIC

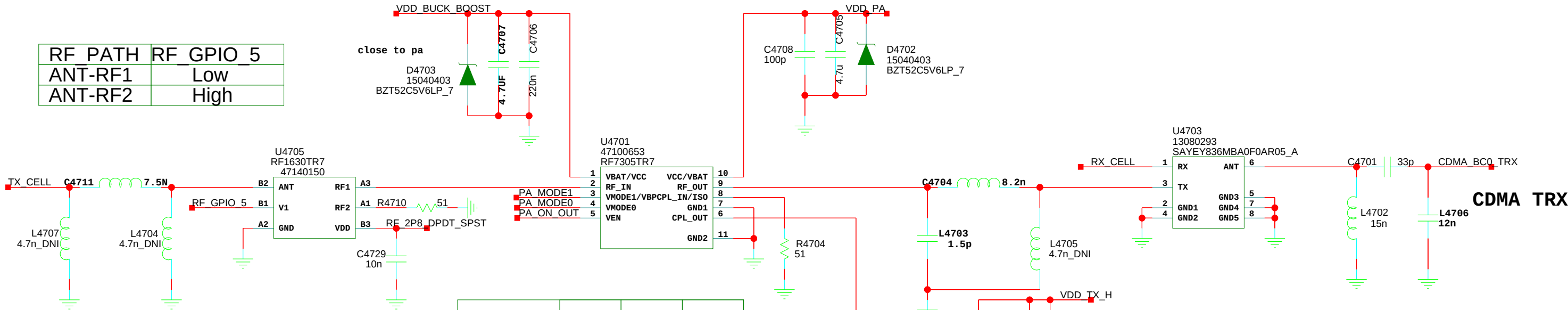


The type and specification of the components refer to the BOM

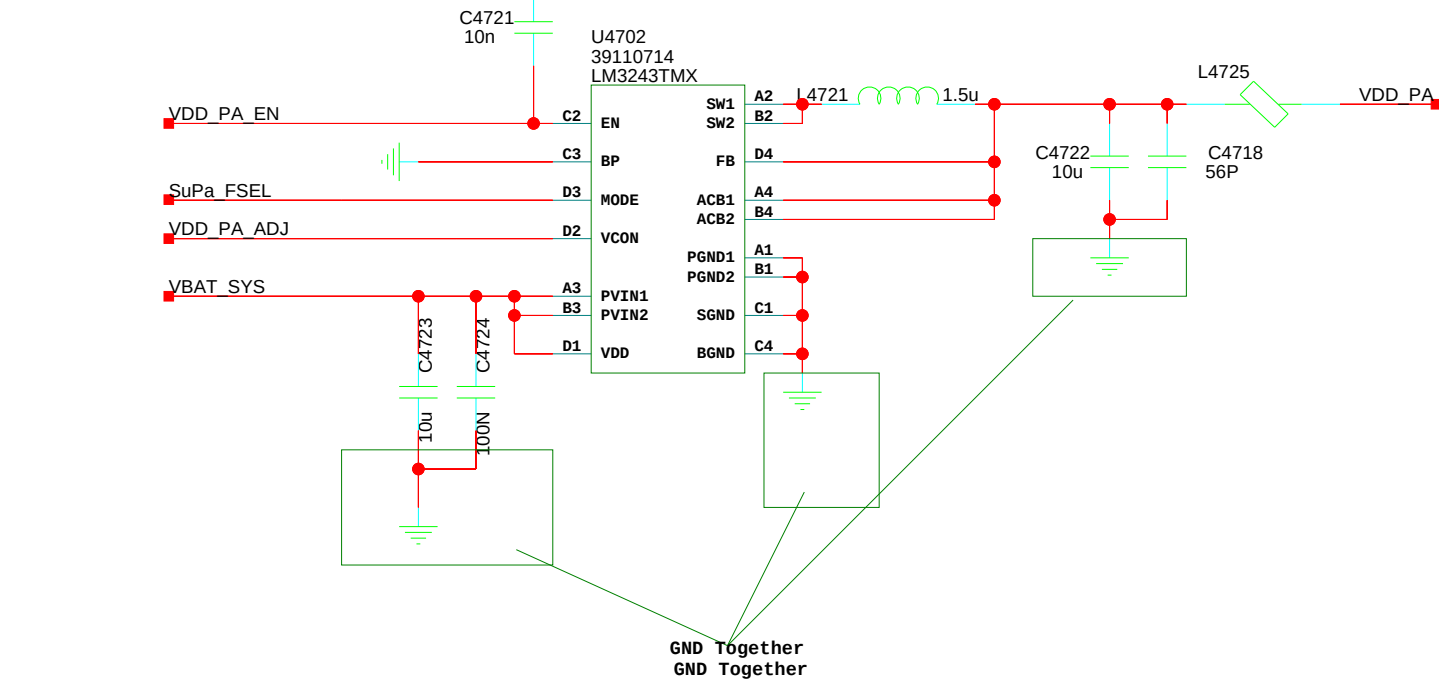
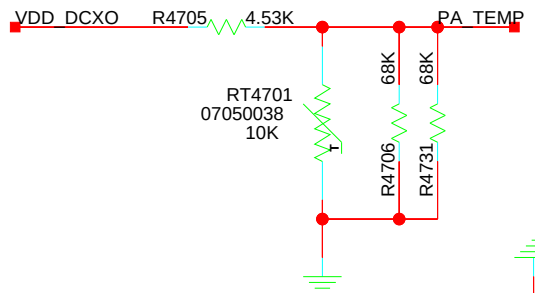
				NA	20140523
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03011DRH_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 46 OF 60	
		A	03022MYN	HUAWEI TECH CO.,LTD.	

47.TX/PA

RF PATH	RF_GPIO_5
ANT-RF1	Low
ANT-RF2	High

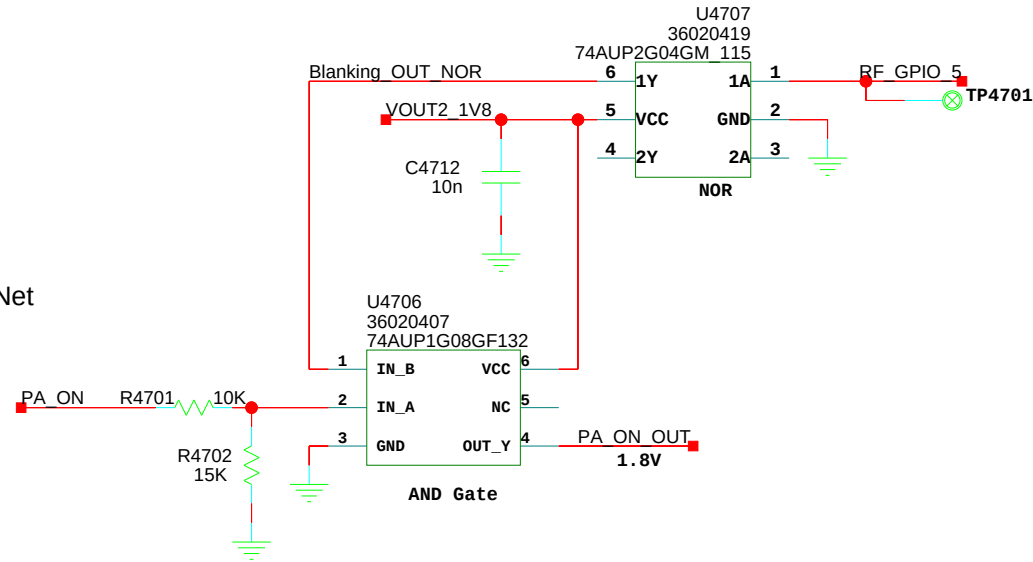


RT4701 must close to CDMA PA
PA Thermal Detector Circuits



5dB Att

CDMA TX Blanking Net



The type and specification of the components refer to the BOM

				NA	20140523
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03011DRH_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 47 OF 60	
		A	03022MYN	HUAWAI TECH CO.,LTD.	

48. Reserved

The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 48 OF 60	
		A	03030001	HUAWEI TECH CO.,LTD.	

49. Reserved

The type and specification of the components refer to the BOM

				TBD For	2014-02-27
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03022QWC_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 49 OF 60	
		B	0302XXXX	HUAWEI TECH CO.,LTD.	

50.LTE

The type and specification of the components refer to the BOM

				TBD For	2014-02-27
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03022QWC_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 50 OF 60	
		B	0302XXXX	HUAWEI TECH CO.,LTD.	

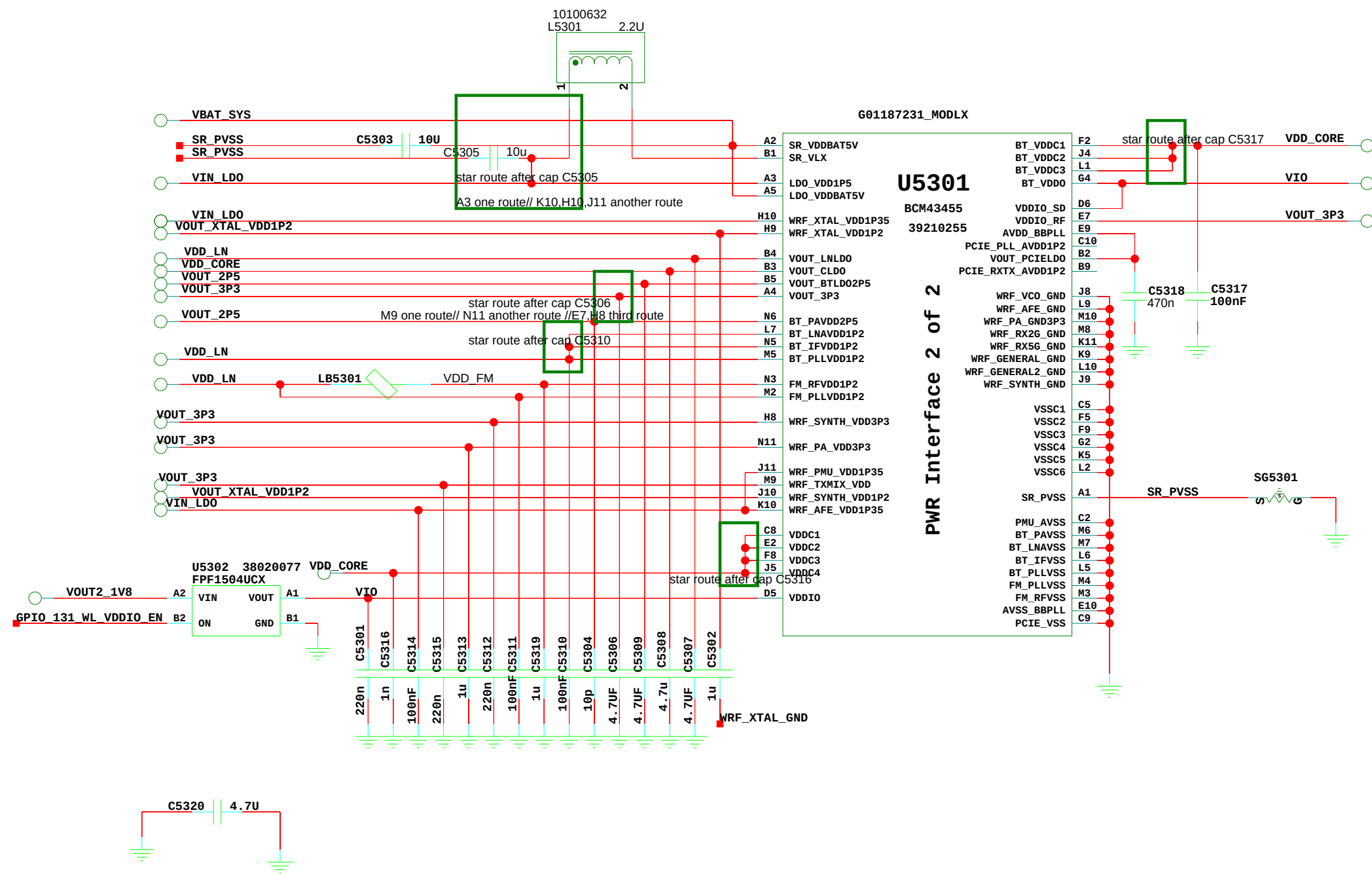
1	2	3	4	5	6
51 Reserved					
A					A
B					B
C					C
D					D
The type and specification of the components refer to the BOM					
				NA	20140523
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 51 OF 60	
		A	03021000	HUAWEI TECH CO.,LTD.	
1	2	3	4	5	6

52 Reserved

The type and specification of the components refer to the BOM

				NA	20140523
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 52 OF 60	
		0	03011ALH	HUAWEI TECH CO.,LTD.	

53.wifi BCM43455-BB



The type and specification of the components refer to the BOM

				NA	
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		00001234	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 53 OF 60	
		A	03030001	HUAWEI TECH CO.,LTD.	

A

A

B

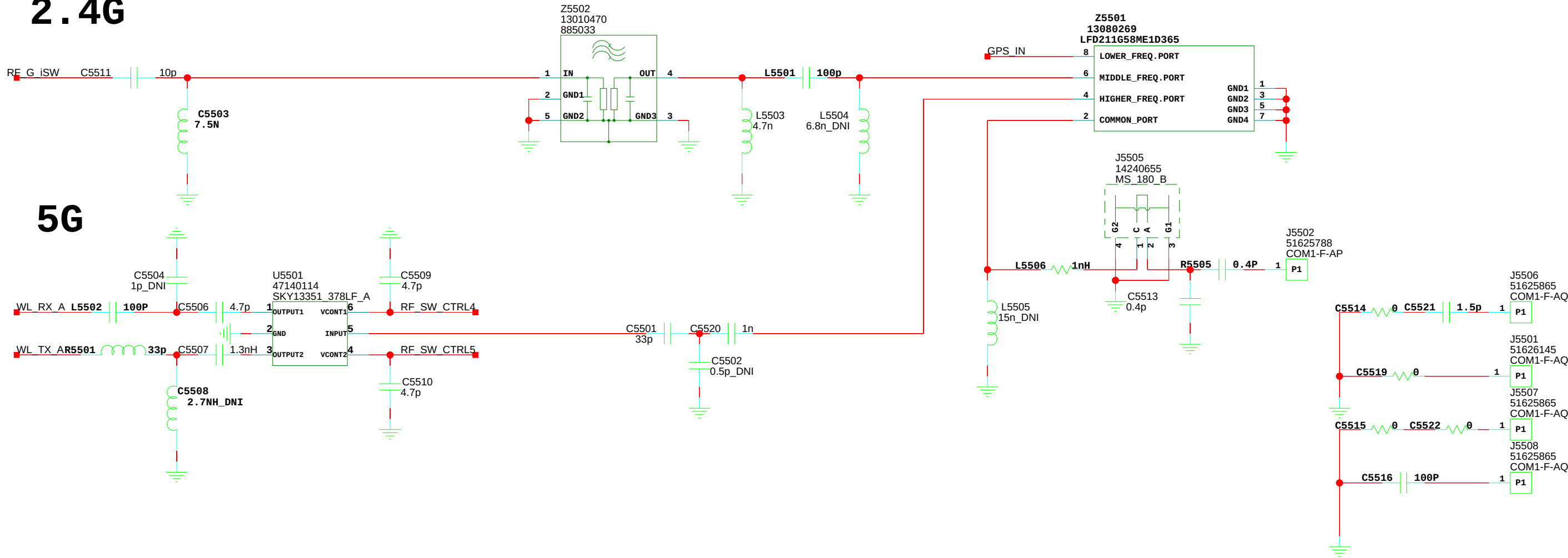
C

D

55. wifi RF Front END

2.4G

5G

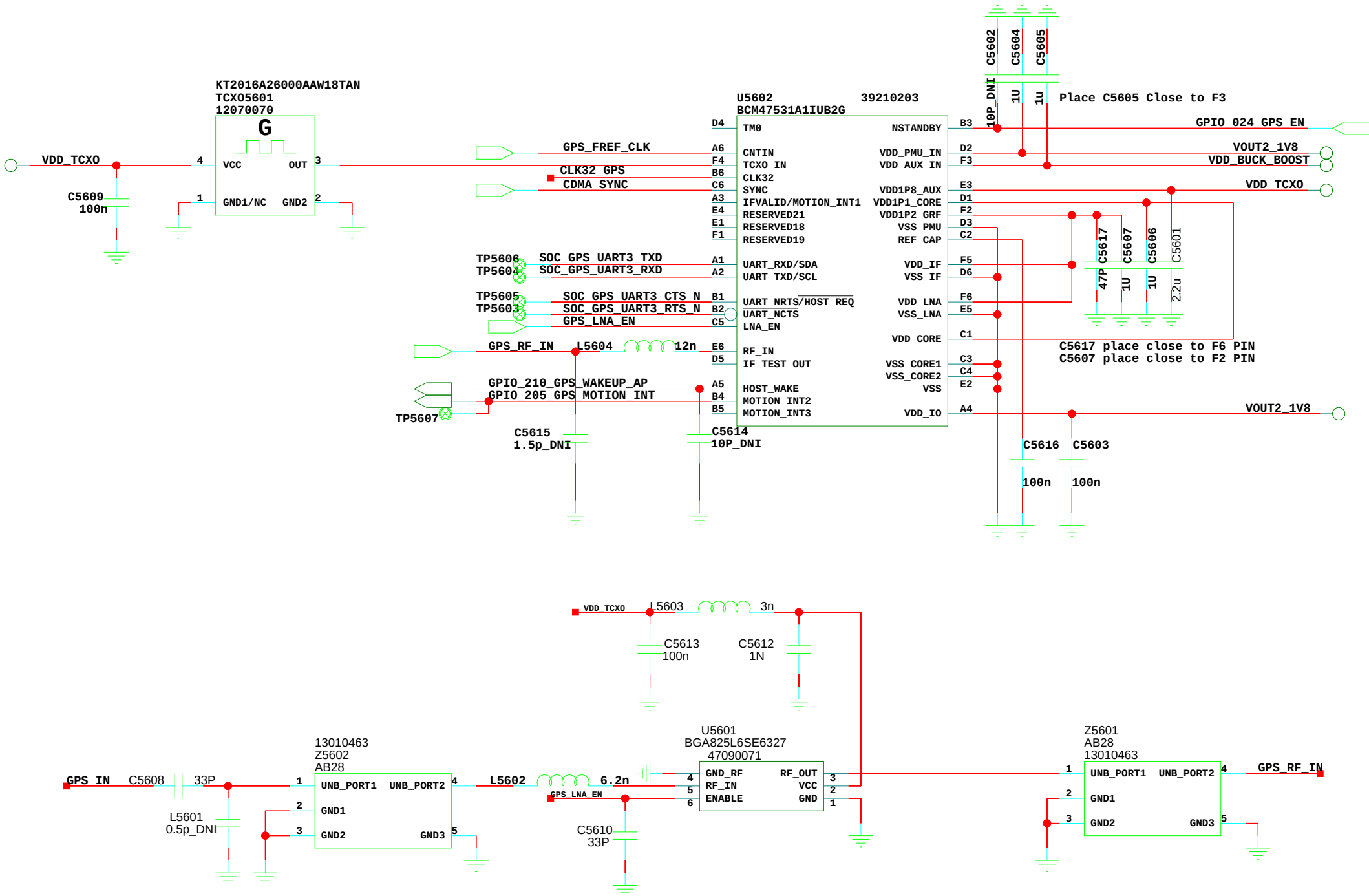


2.4G wifi/GPS Spring

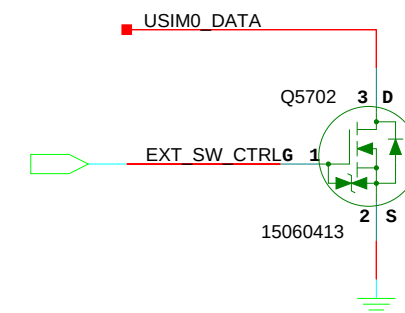
The type and specification of the components refer to the BOM

				NA	20140523
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM			
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 55 OF 60	
		A	HL1G720M	HUAWEI TECH CO.,LTD.	

56. GPS



The type and specification of the components refer to the BOM					
				ECA NO	2015 DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022QWC_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET 56 OF 60	
		A	0302XXXX	HUAWEI TECH CO.,LTD.	



				TBD For	2014-8-1
				ECA NO	DATE
DESIGNED	ChenDongjin/227535	HL1NEXTMM		03022WAK_SCHZH	
REVIEWED	PengZhonghui/210925				
		VER	PART_NUMBER	SHEET	57 OF 60
		B	03011KHE	HUAWEI TECH CO.,LTD.	

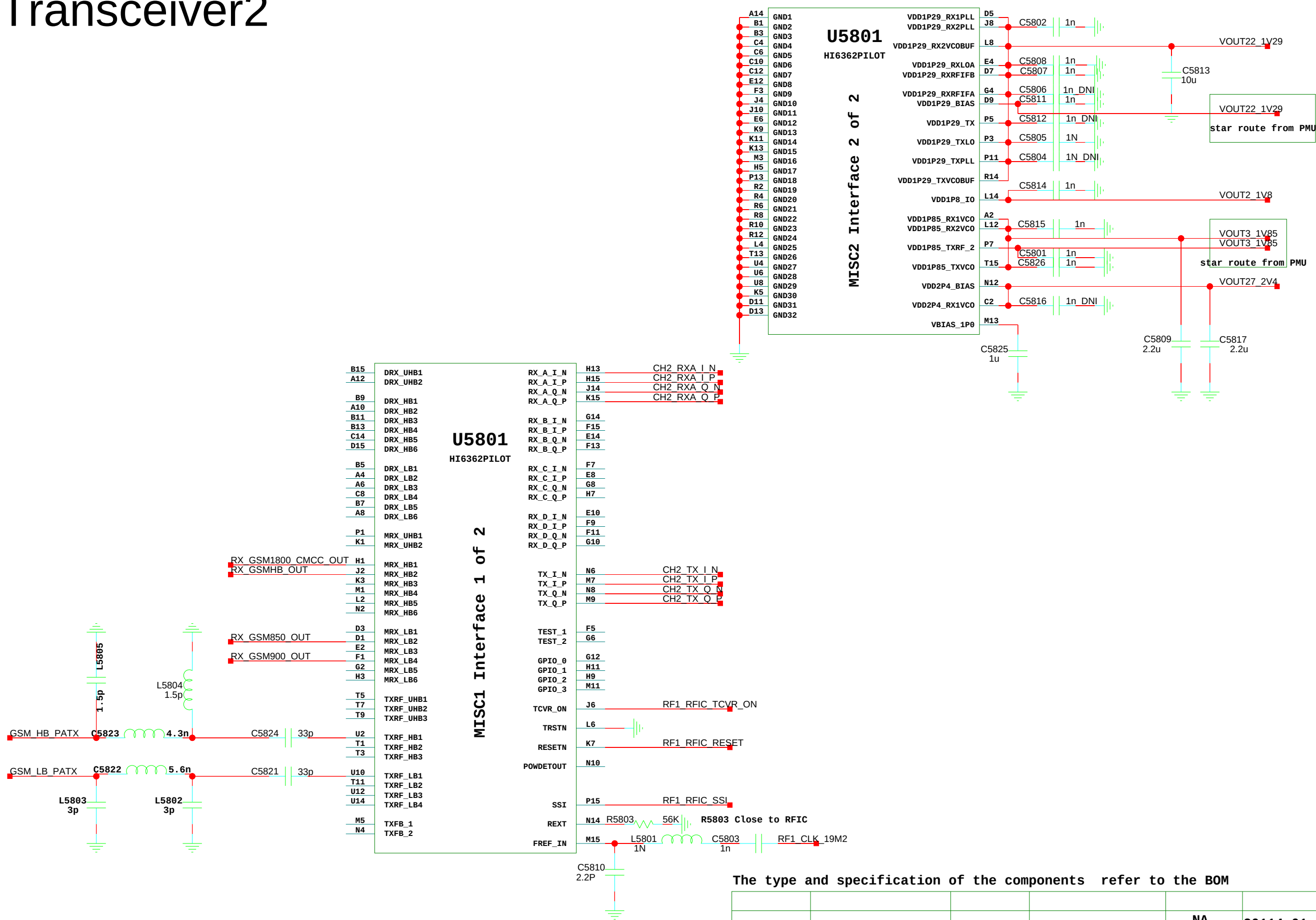
58.RF Transceiver2

A

B

C

D

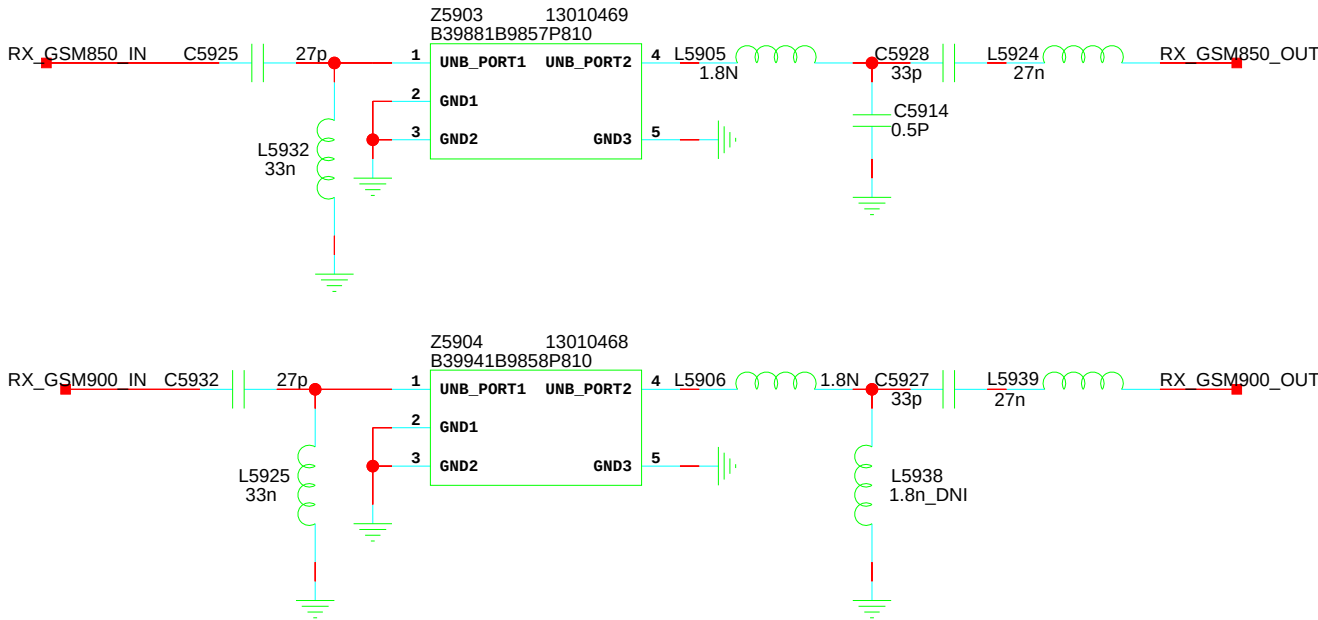


The type and specification of the components refer to the BOM

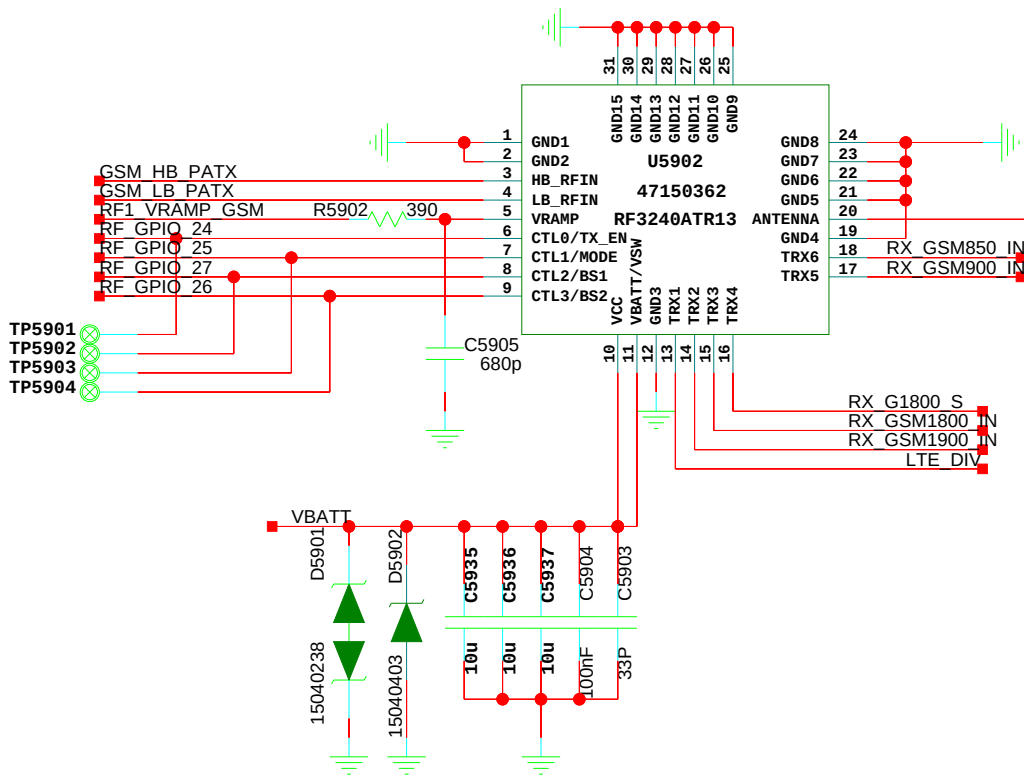
				NA	20114-01-08
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		00001234	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 58 OF 60	
		B	03022RLA	HUAWEI TECH CO.,LTD.	

59.RFIC2_GSM PA+Switch

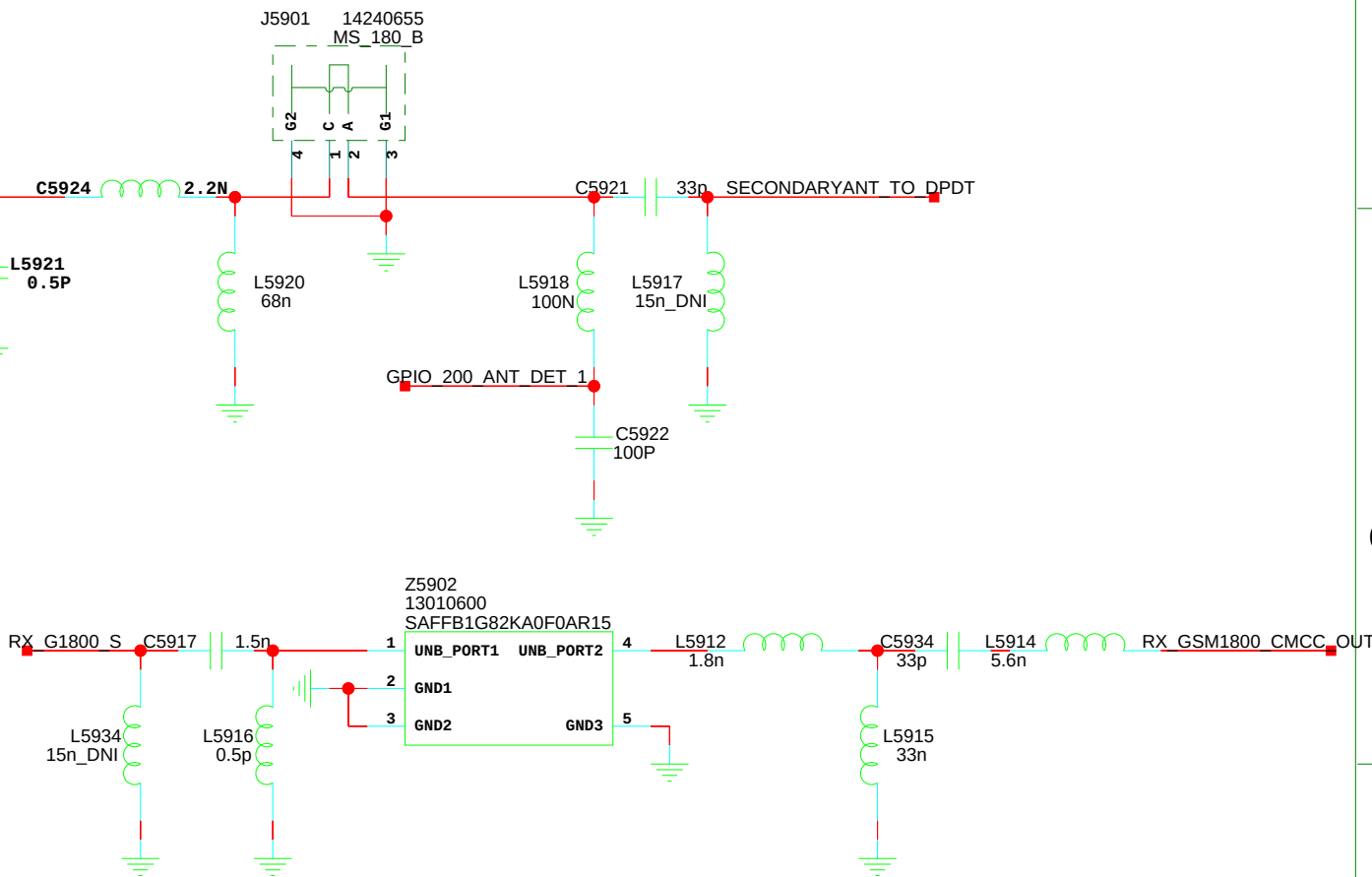
A



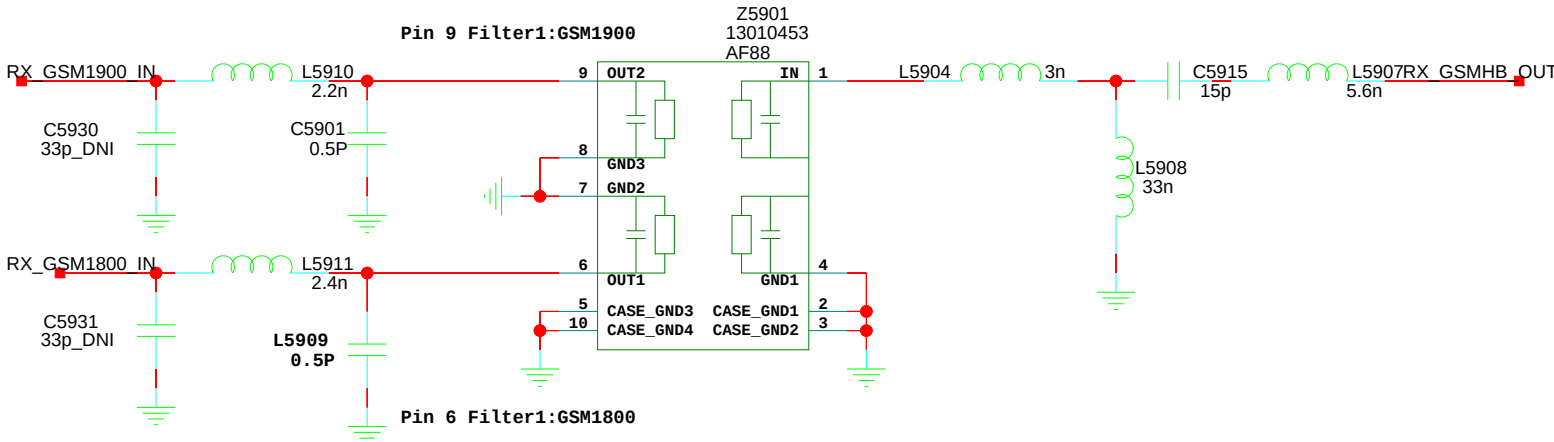
B



C



D



RF3240A Truth Table

		GPIO 24	GPIO 25	GPIO 26	GPIO 27
	Vramp	TX_EN	MODE	BS2	BS1
OFF	0	0	0	0	0
TRX1	X	0	1	1	0
TRX2	X	0	0	0	1
TRX3	X	0	0	1	0
TRX4	X	0	0	1	1
TRX5	X	0	1	0	1
TRX6	X	0	1	0	0
GSM LB	Power Control	1	0	0	1
GSM HB	Power Control	1	0	1	0
EDGE LB L	0	1	1	0	1
EDGE LB H	1	1	1	0	1
EDGE HB L	0	1	1	1	0
EDGE HB H	1	1	1	1	0

The type and specification of the components refer to the BOM

				NA	20114-01-08
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03022RLA_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 59 OF 60	
		B	03022RLA	HUAWEI TECH CO.,LTD.	

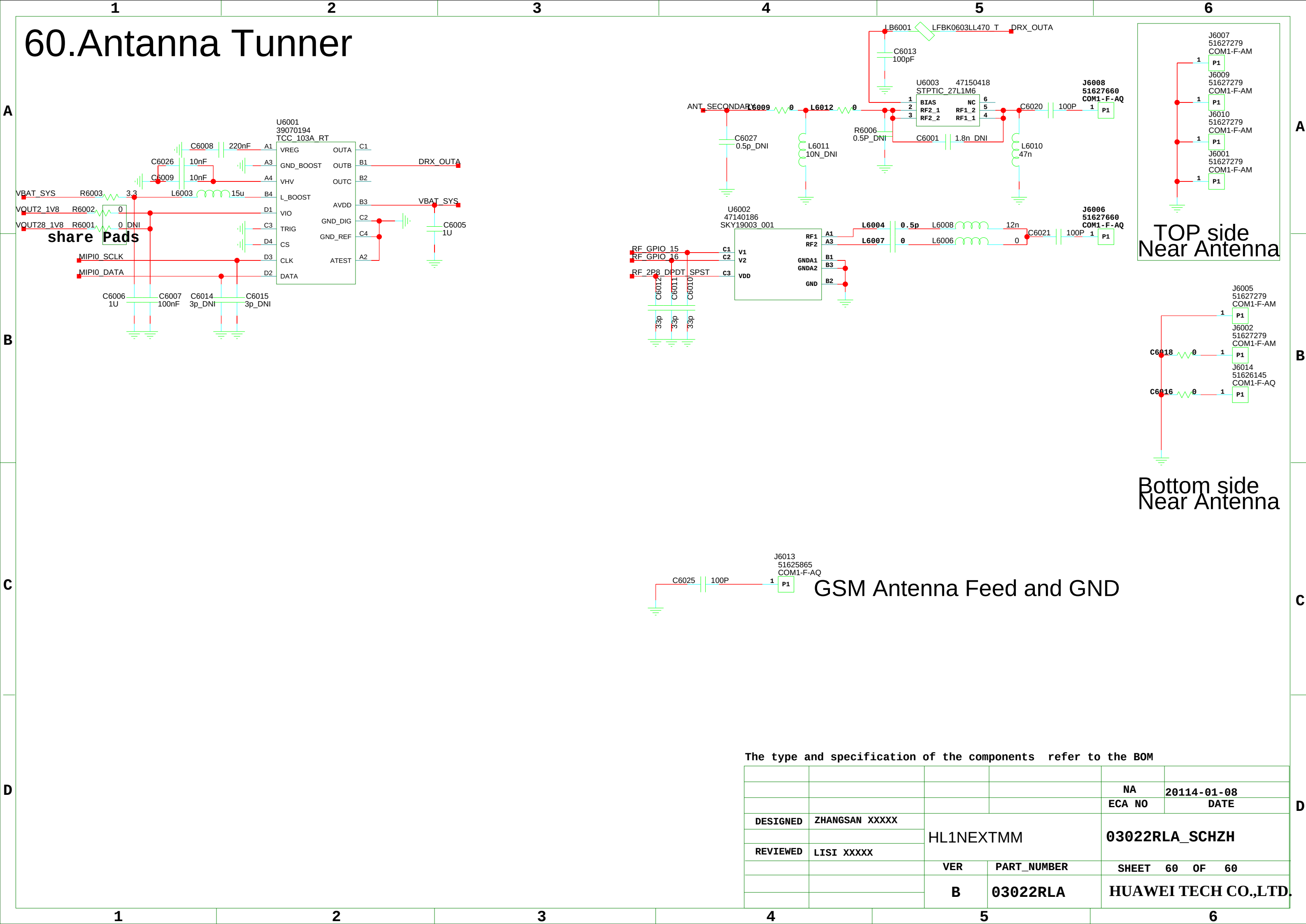
60.Antanna Tunner

A

B

C

D



The type and specification of the components refer to the BOM

				NA	20114-01-08
				ECA NO	DATE
DESIGNED	ZHANGSAN XXXXX	HL1NEXTMM		03022RLA_SCHZH	
REVIEWED	LISI XXXXX				
		VER	PART_NUMBER	SHEET 60 OF 60	
		B	03022RLA	HUAWEI TECH CO.,LTD.	