

# Huawei Nova 2 Plus Schematic Diagram



Model: **BAC-TL00**



*Schematic* *Diagram*



Baseband Schematic

- 1. Index
- 2. Block Diagramm
- 3. SOC PWR1
- 4. SOC PWR2
- 5. SOC PWR3
- 6. SOC HS Interface
- 7. SOC GPIO Interface
- 8. SOC RF Interface
- 9. SOC GND
- 10. PMU LDO
- 11. PMU BUCK/CODEC
- 12. PMU MISC
- 13. SOC\_Buck\_HI6422
- 14. eMMC and LPDDR3
- 15. Battery and CC
- 16. Scharger
- 17. LCD Interface
- 18. Reserved
- 19. Flash LED
- 20. Rear Dual Camera
- 21. Front Camera
- 22. Reserved
- 23. Audio/RCV/MIC
- 24. Headphone
- 25. Audio PA
- 26. X-Sensor
- 27. NFC
- 28. SIM/SD Card
- 29. FPC Interface
- 30. Test Point/Shielding

MODEM Schematic

- 31. RF Interface
- 32. RF Transceiver0
- 33. APT Power
- 34. RF Power System
- 35. Reserved
- 36. MMB PA
- 37. Matching\_circuit
- 38. TRX\_B1/B2//B3
- 39. TRX B5/7/8
- 40. TRX B34/39/40/41
- 41. PRX B34/39/41
- 42. PRX\_G1900
- 43. MAIN\_ANT0\_SWITCH
- 44. DIV\_ANT1\_SWITCH
- 45. DRX B1/3/5/7/8\_1
- 46. DRX B39/40/41
- 47. Reserved
- 48. Reserved
- 49. Reserved
- 50. Reserved
- 51. Reserved
- 52. HI1102 POWER\_1
- 53. HI1102 BB\_1
- 54. HI1102 RF\_FrontEnd\_2GHz
- 55. Hi1102\_RF\_FrontEnd\_5GHz
- 56. Reserved
- 57. ANT

The type and specification of the components refer to the BOM

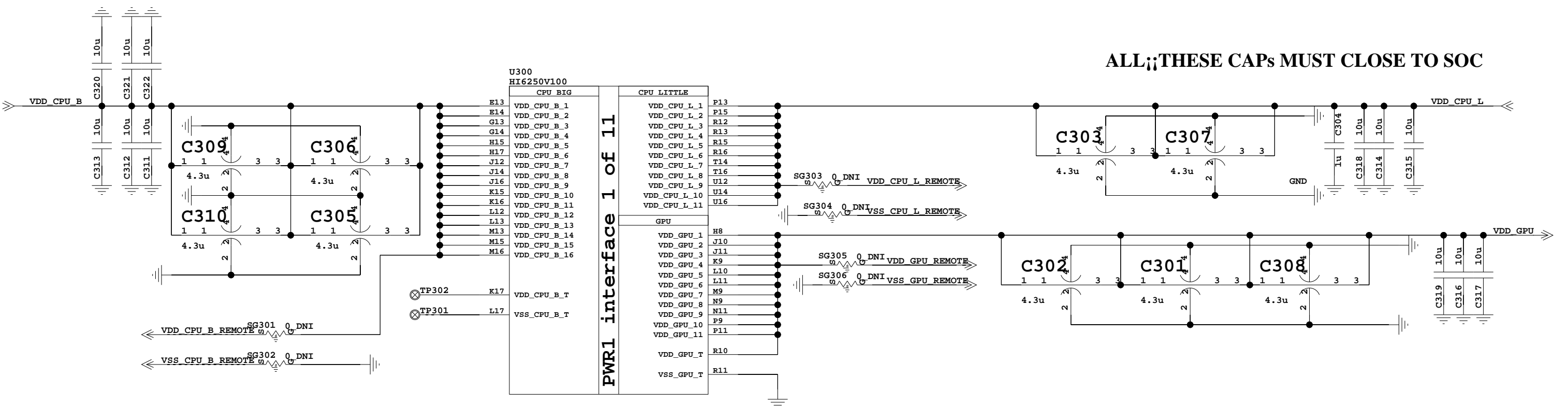
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 1_Inde	57
		B	HUAWEI	HUAWEI TECH CO.,LTD	

# 2. Block Diagramm

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		<b>Mobile1Tech.com</b>	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 2_BlockDiagramm	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

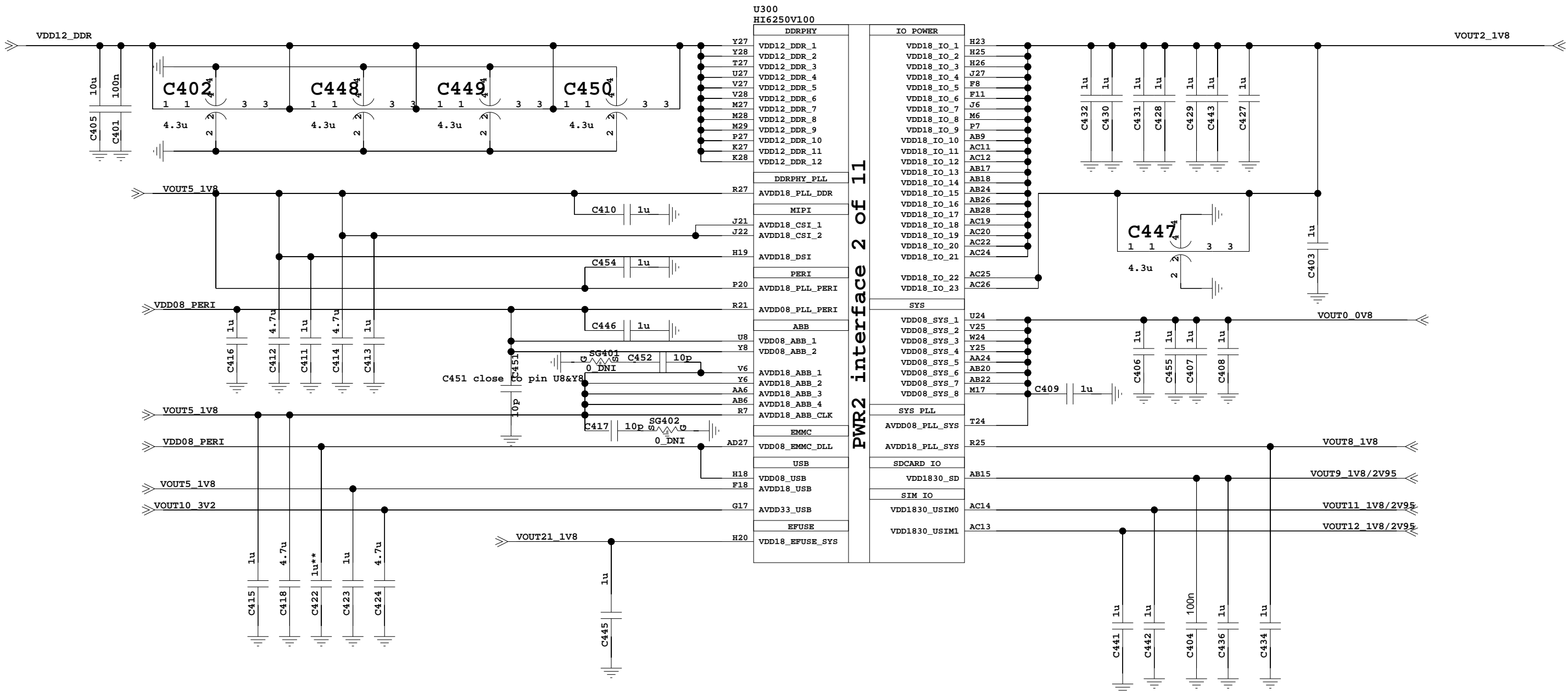
3. SOC PWR1



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		H <b>Mobile1Tech.com</b>	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET3_SOC PWR1 57	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

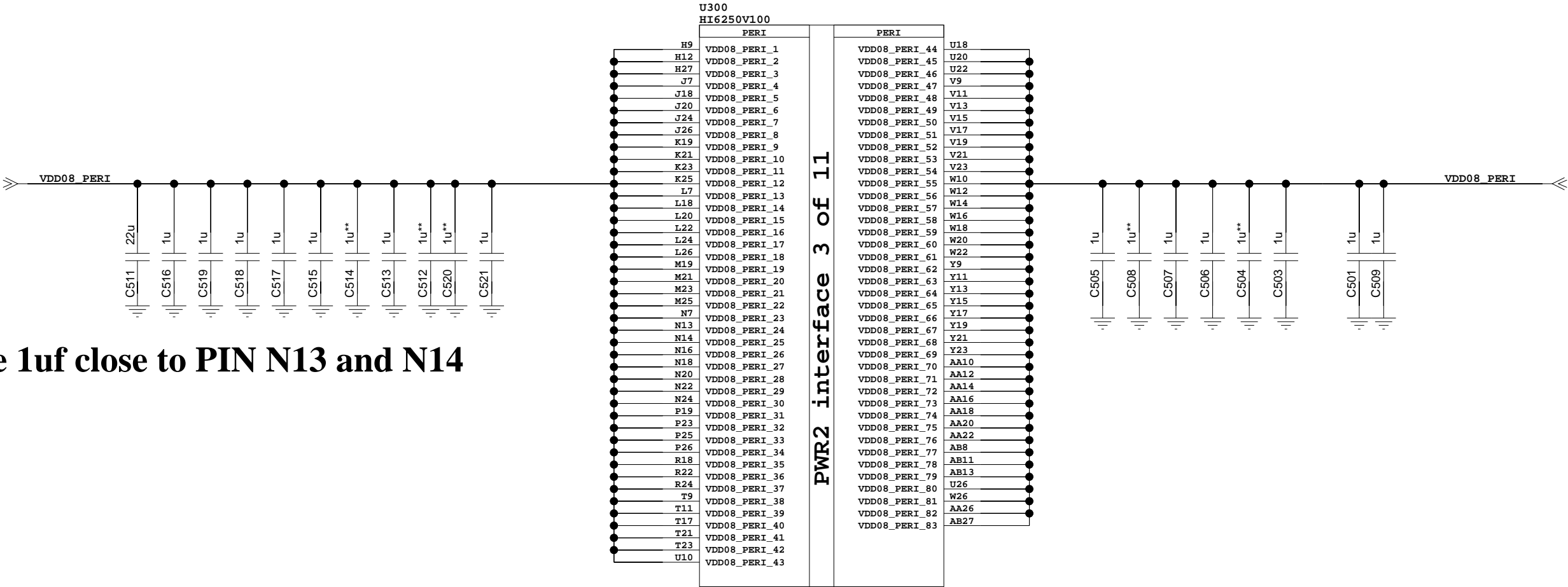
# 4. SOC PWR2



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		H Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 4_SOC PWR257	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

5. SOC PWR3

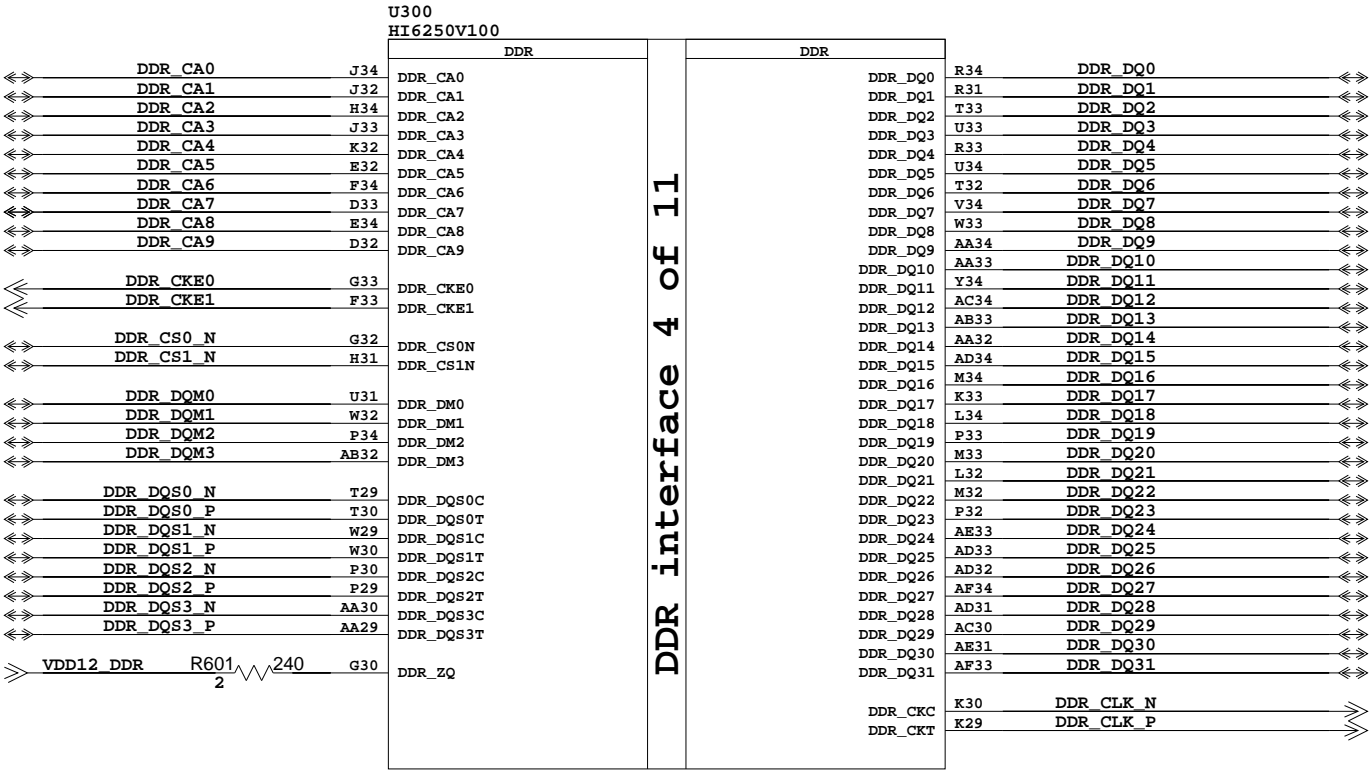
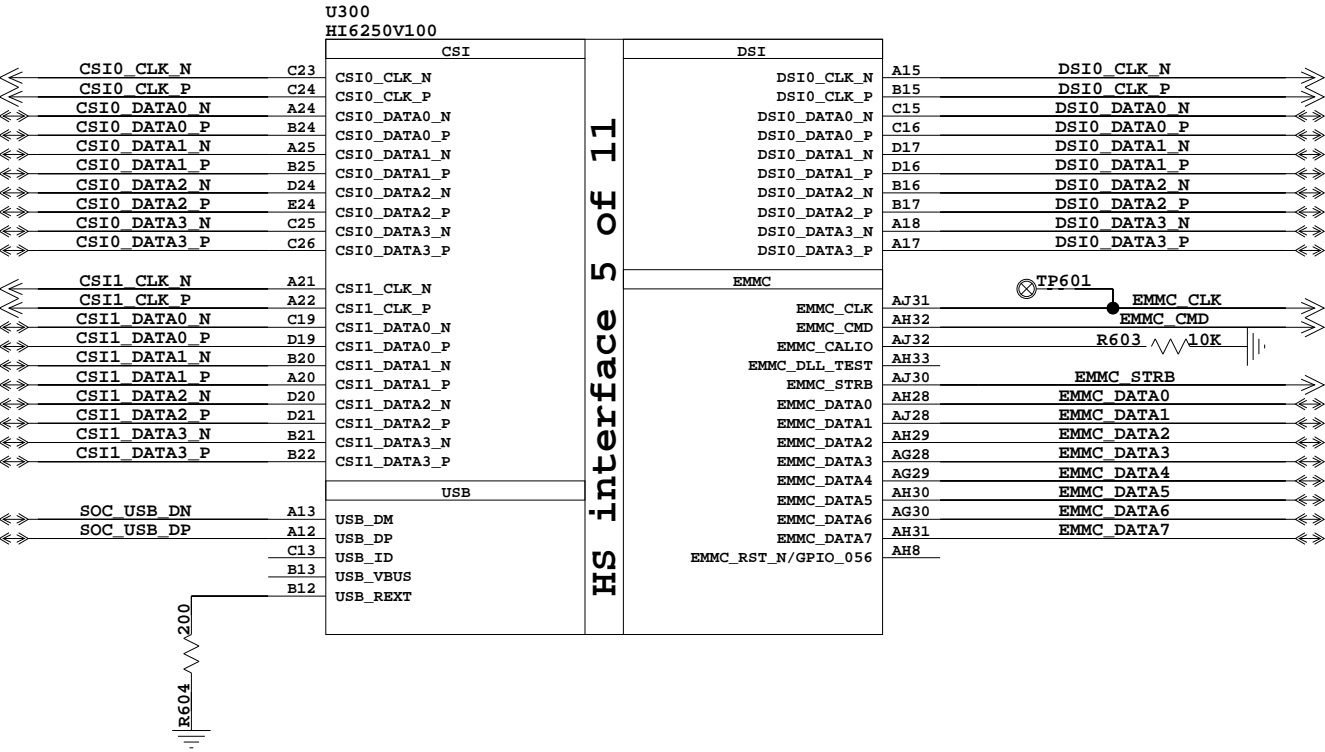


Place 1uf close to PIN N13 and N14

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		HUAWEI TECH CO.,LTD.	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	5_S00F PWR3
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

6. SOC HS&DDR



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 6_S00FHS 55Interface	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	



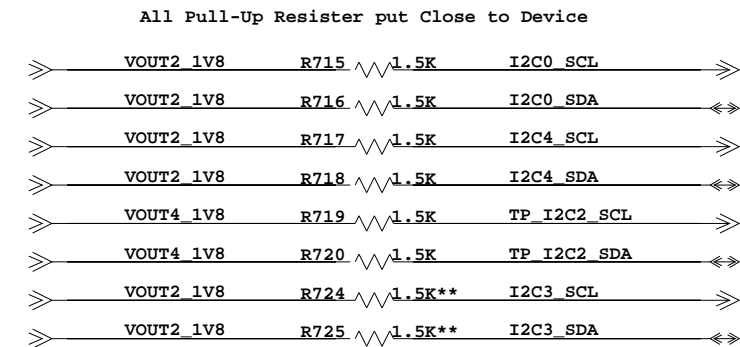
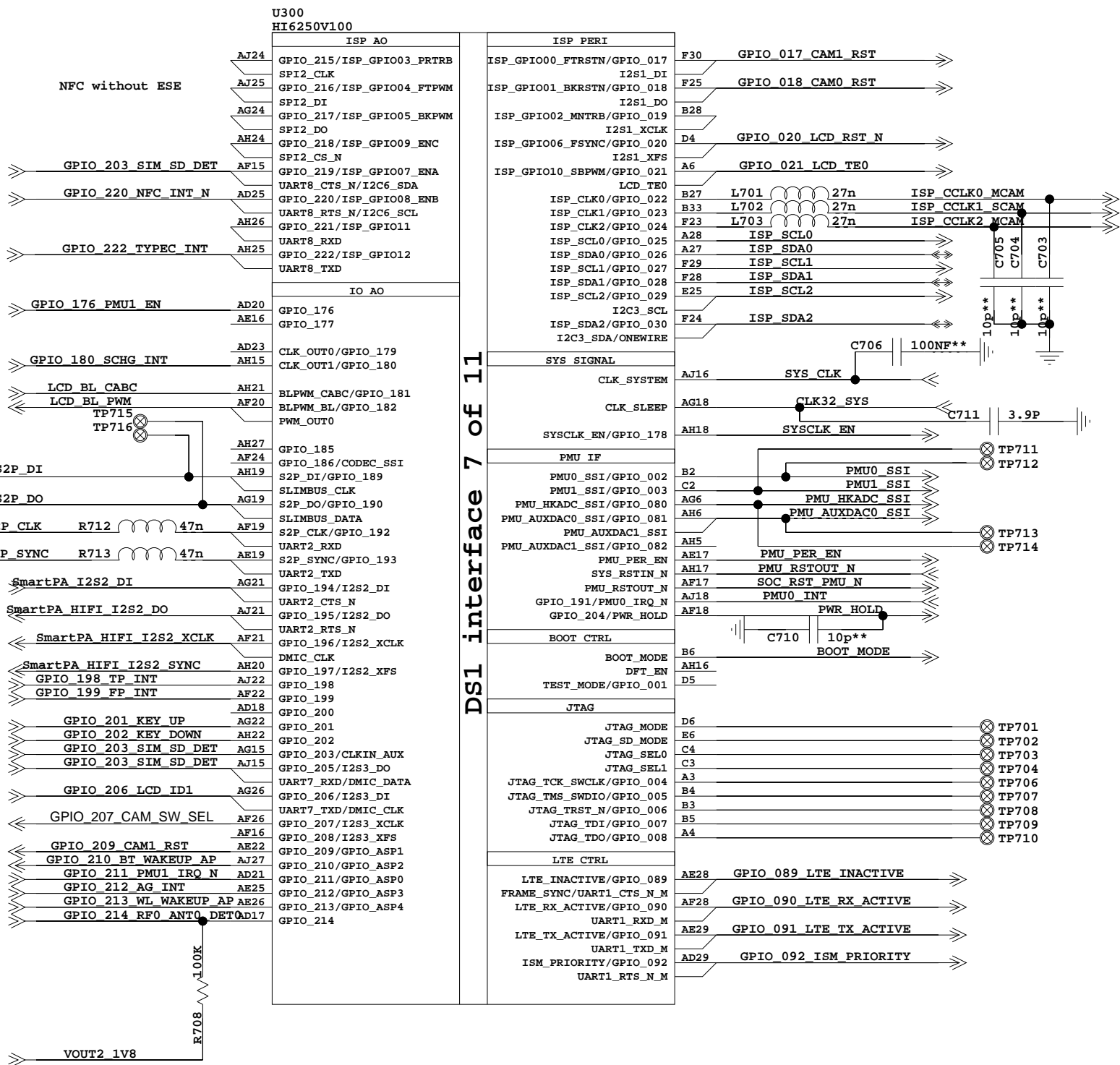
# 7. SOC GPIO

A

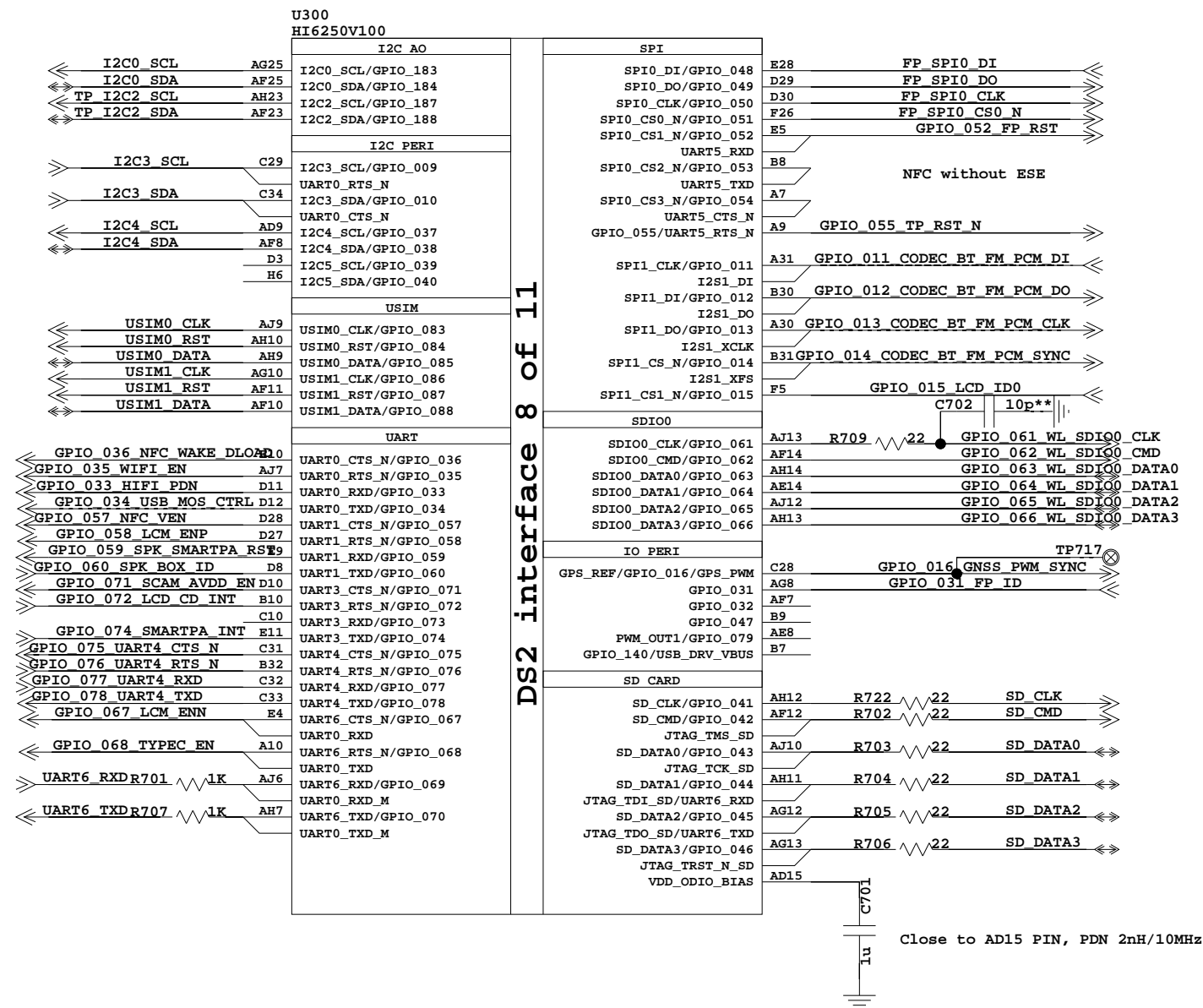
B

C

D



R724 R725 1.5K\*\* I2C3\_SCL I2C3\_SDA

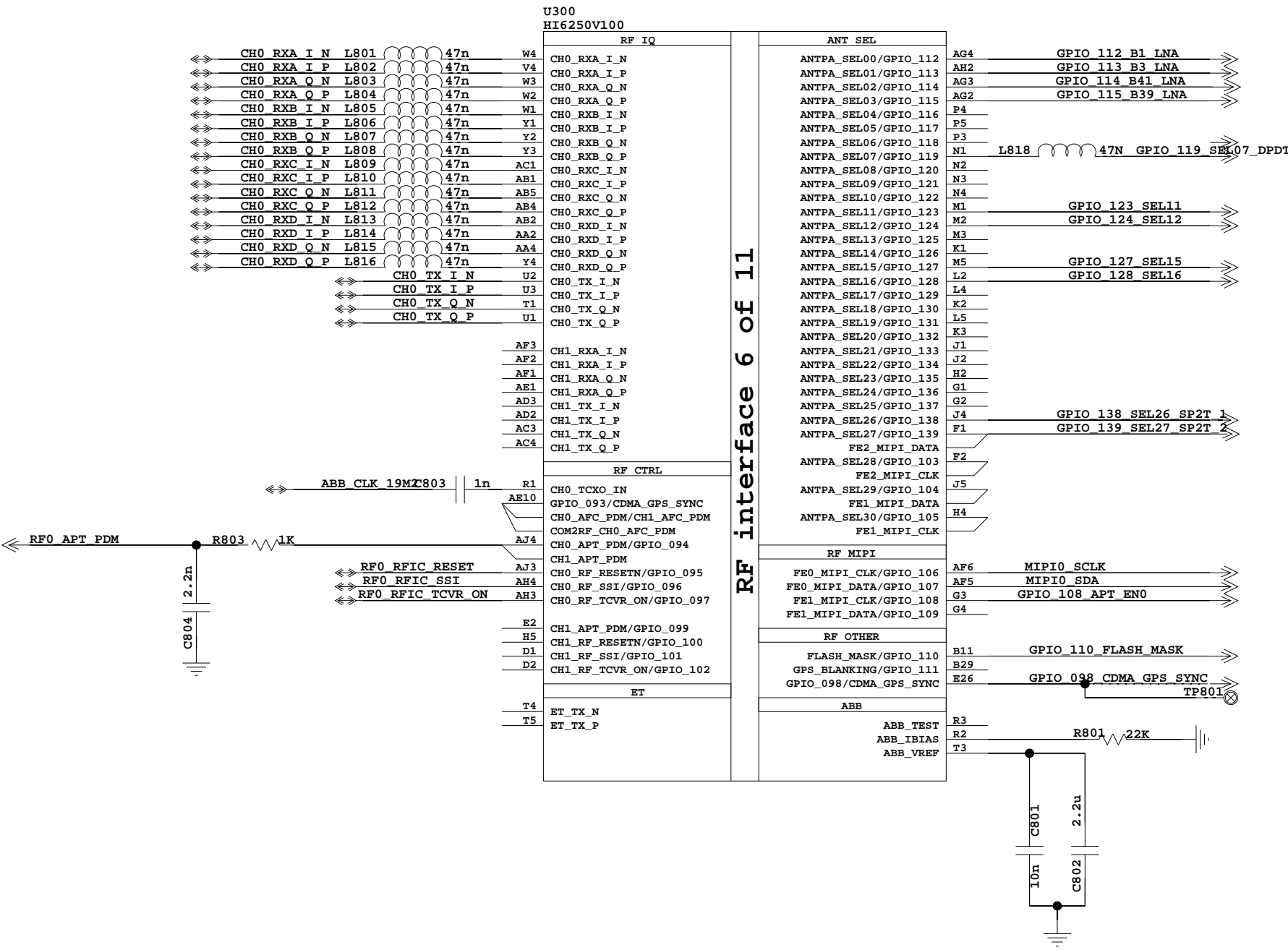


The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI	VER	PART_NUMBER	SHEET_SOC GPIO Interface	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	



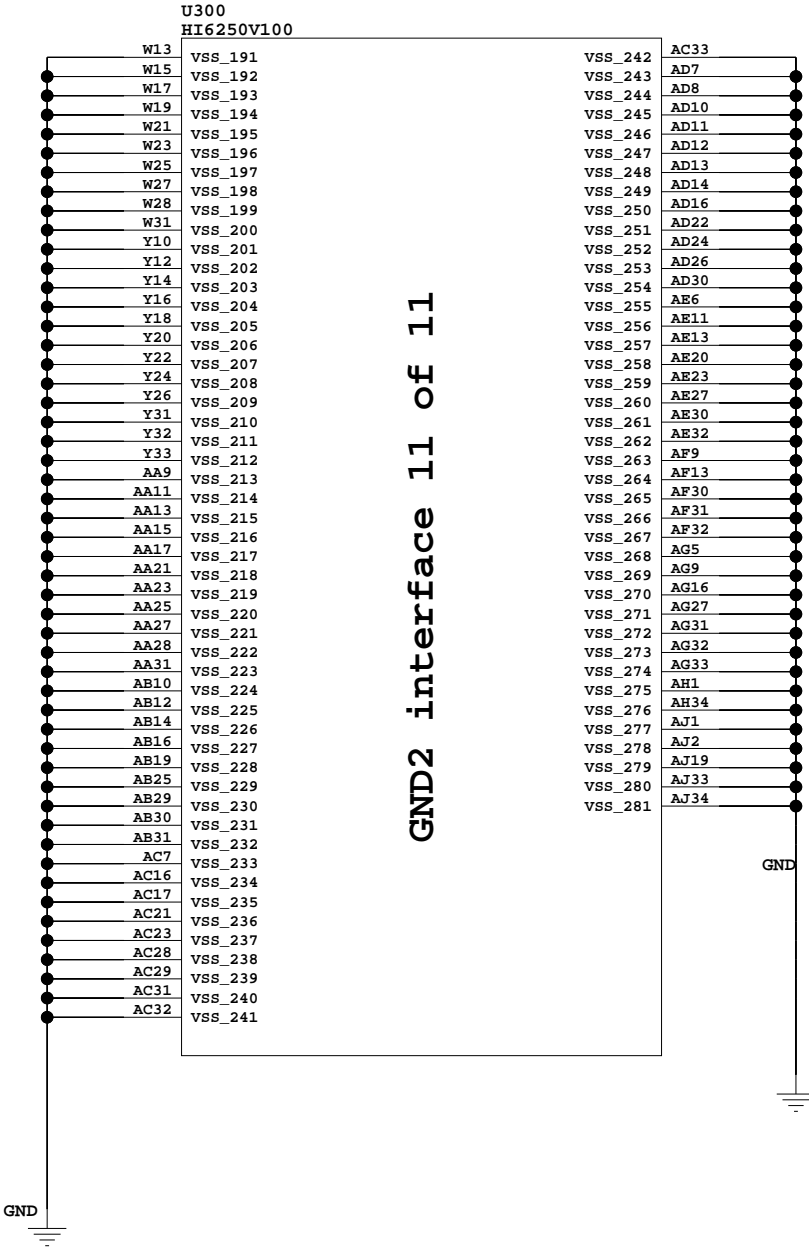
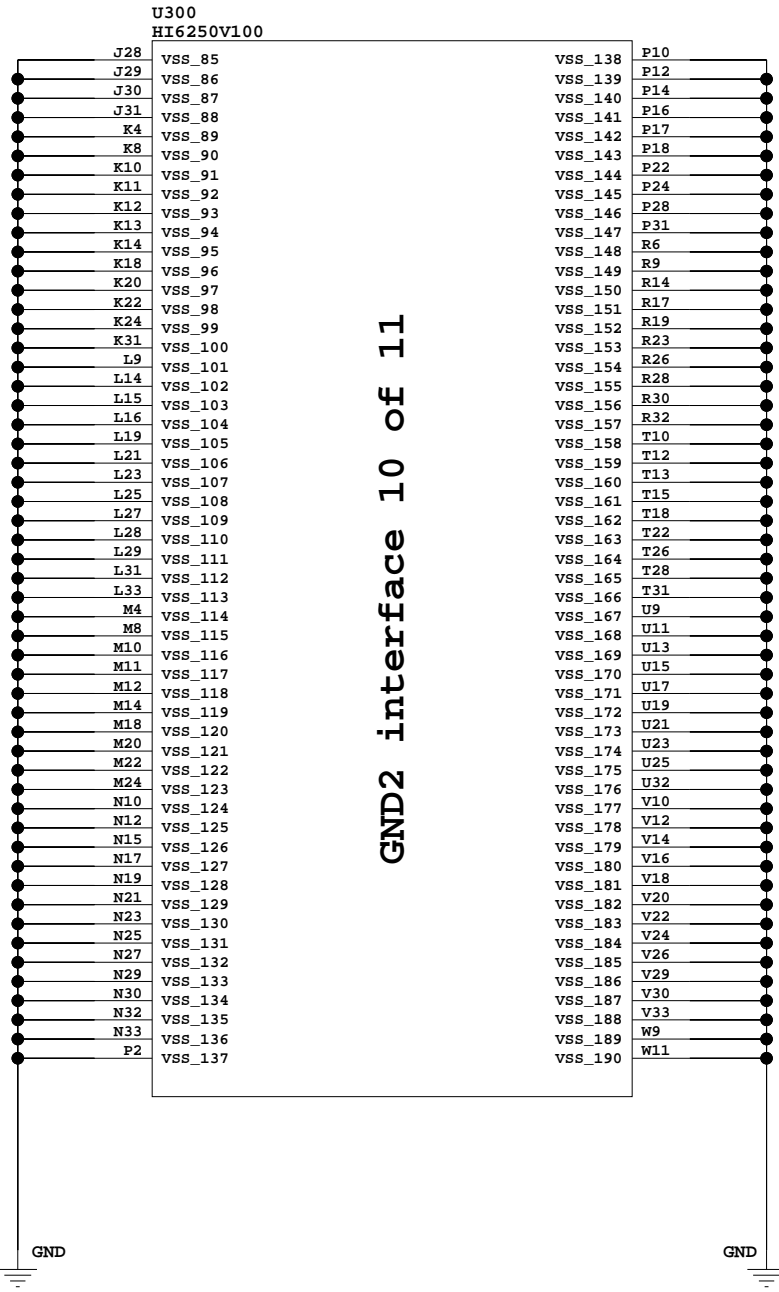
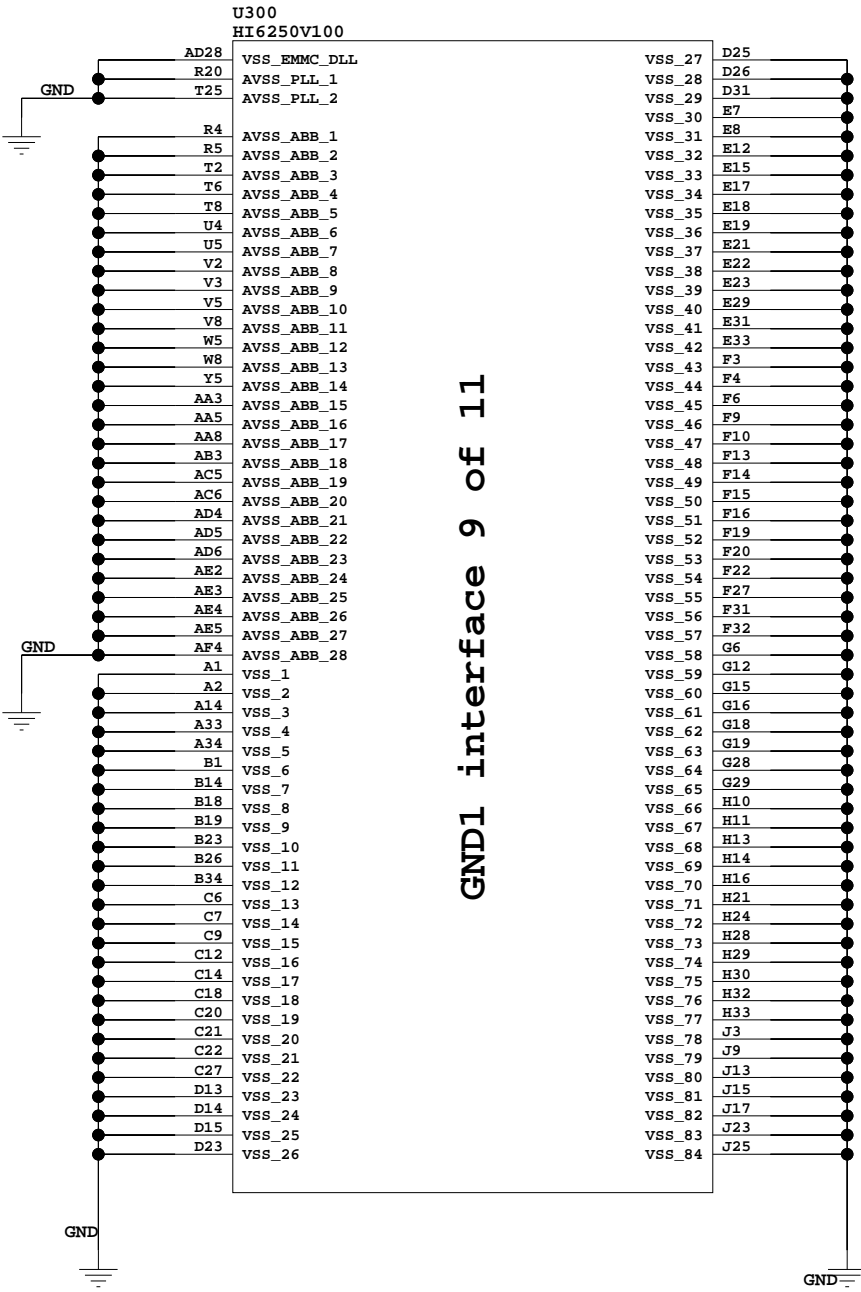
8. SOC RF



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 8_S00FRF 52interface	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

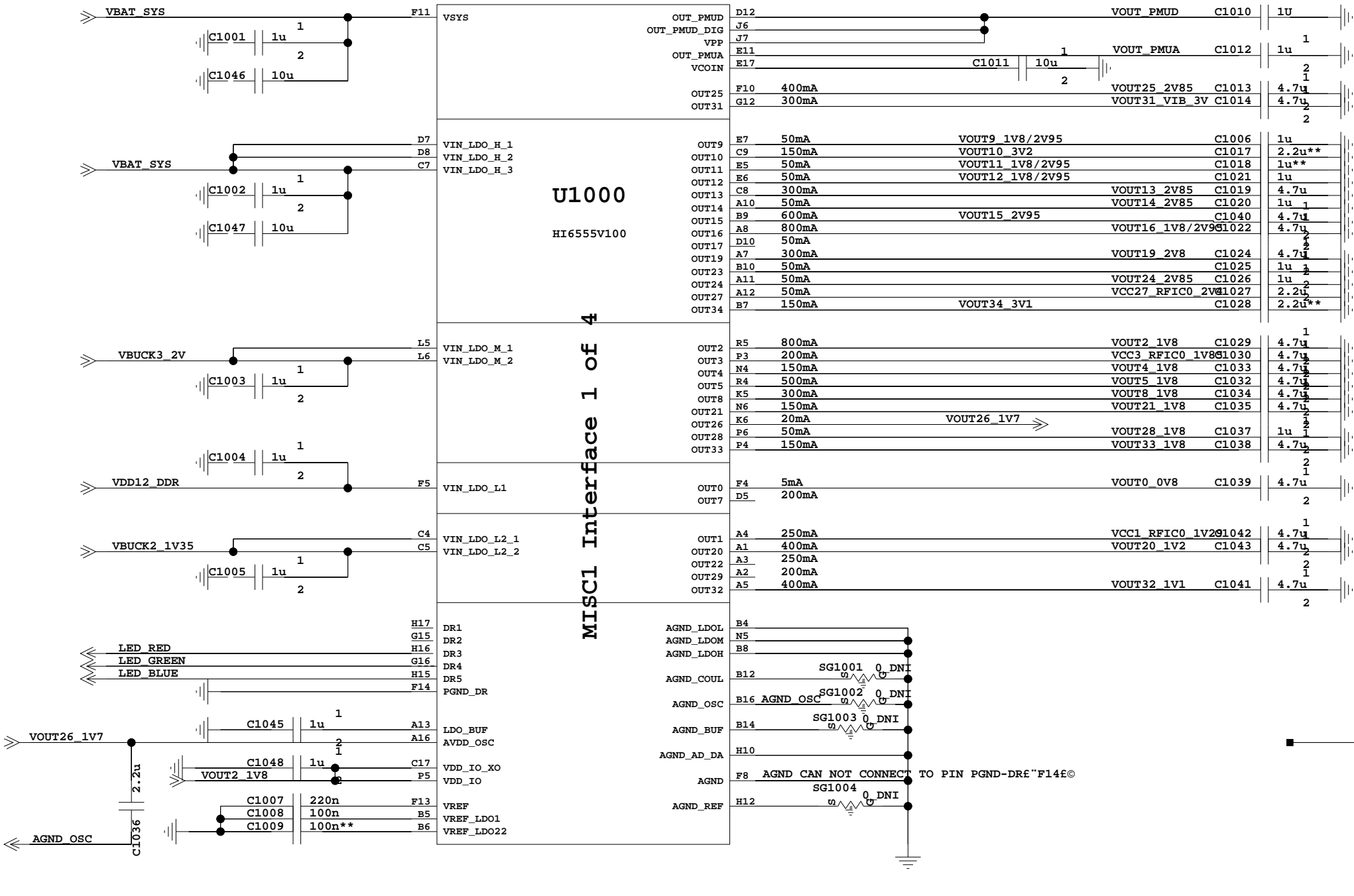
9. SOC GND & NC



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	9_S00F
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

10. PMU LDO



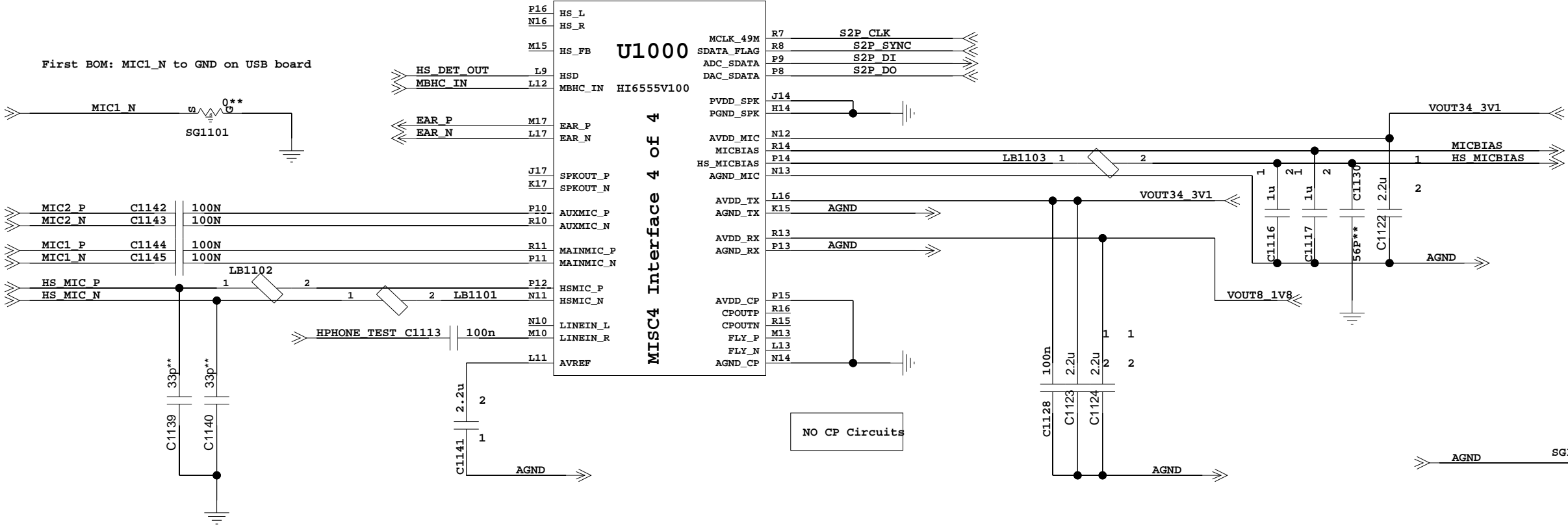
output	default	current	voltage	function
LDO1	OFF	250	1.29	SOC A0
LDO2	ON	800	1.8	pmu dig/RFIC/SOC1.8IO/64021.8/LPDDR VDD
LDO3	OFF	200	1.85	RFIC0&1 AVDD2
LDO4	OFF	150	1.8	LCD1.8 IO/TF1.8 IO
LDO5	ON	500	1.8	CSI/DSI/AVDD/PLL HV/USB 1.8
LDO7	ON	200	0.9	AVDDH ABB
LDO8	ON	300	1.8	SOCp11 6402analog classd
LDO9	OFF	50	1.8/2.95	SD IO
LDO10	ON	150	3.2	USB 3.0
LDO11	OFF	50	1.8	SIM0
LDO12	OFF	50	1.8	SIM1
LDO13	OFF	300	2.85	S camera analog
LDO14	OTP	50	2.85	RF FEM
LDO15	ON	600	2.95	EMMC VDD
LDO16	OFF	800	2.95	SD card
LDO17	OFF	50	2.8	LCD TP
LDO19	OFF	300	2.8	M camera anlog
LDO20	OFF	400	1.2	M Camera Core
LDO21	OFF	150	1.8	sys efuse
LDO22	OFF	250	1.29	RFIC1 AVDD1 1.29v
LDO23	ON	50	2.1	HKADC
LDO24	ON	50	2.85	X Sensor AVDD
LDO25	OFF	400	2.85	Camera VCM
LDO26	ON	50	1.7	19.2 AVDD
LDO27	ON	50	2.4	RF 6362
LDO28	OFF	50	1.8	RF MIPI I/O
LDO29	ON	200	1.2	Hi6402 1.2V
LDO30				
LDO31	OFF	300	2.8	Vibrator
LDO32	OFF	400	1.2	S Camera Core
LDO33	OFF	150	1.8	M/S Camera I/O
LDO34	ON	150	3.2	codec 3.2V

The type and specification of the components refer to the BOM

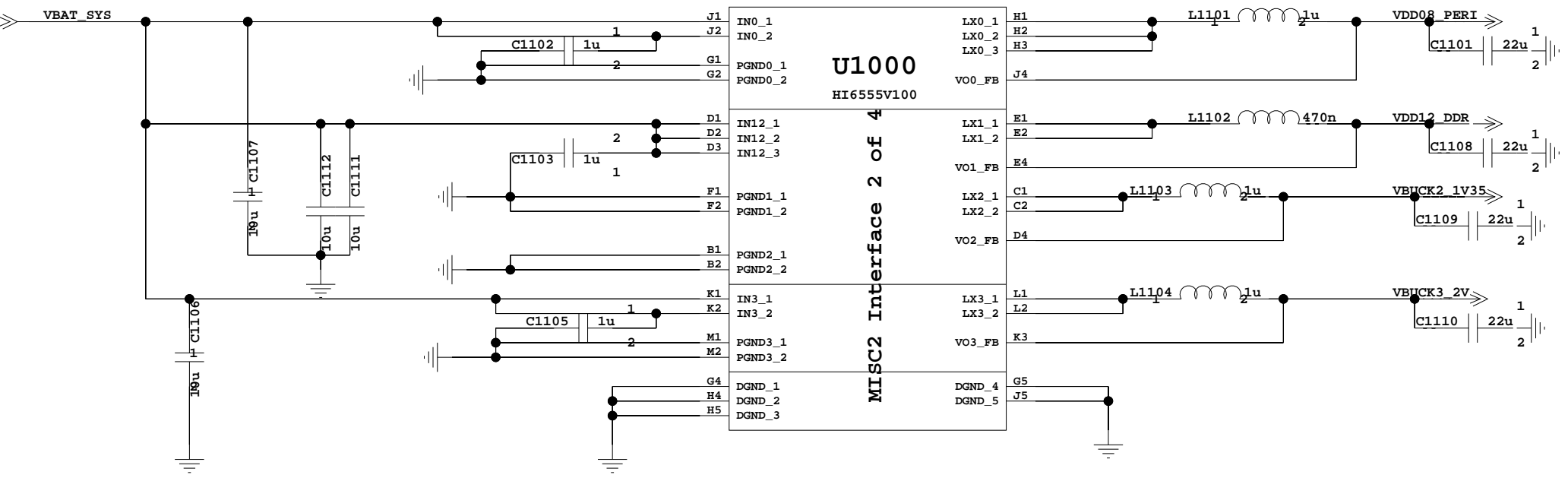
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 10_PMUOEDO 57	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

11. PMU BUCK&CODEC

Codec



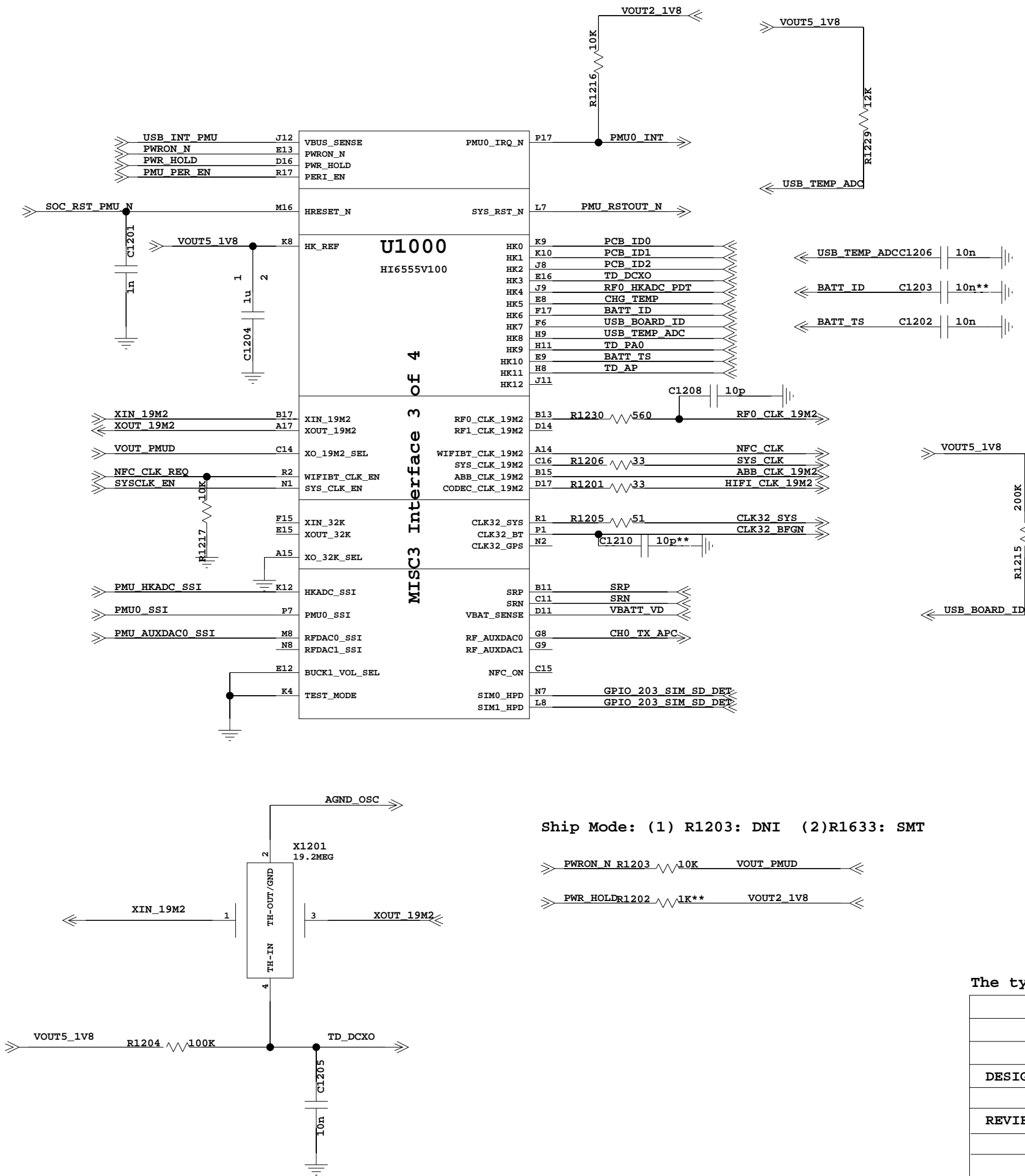
Buck



BUCK0	ON	3000	0.8	DDR Core/CSI/DSI Phy emmc phy usb phy...
BUCK1	ON	2000	1.1	VDDQ/VDDCA/VDD2/ODTLDQ2
BUCK2	ON	2000	1.35	1.35 buck
BUCK3	ON	2000	2.0	2.0 buck

The type and specification of the components refer to the BOM					
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET11_PMU BUCK 5/7 CODEC	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

12. PMU MISC



Board ID	AL10				
V1	4801				

Board ID Resistor Set

ID	UP RES	DOWN RES
0	NC	0K
1	150K	22K
2	100K	30K
3	200K	100K
4	150K	121K
5	121K	150K
6	51K	100K
7	30K	100K
8	20K	150K
9	150K	NC

Resistor Code

0K	07090911
20K	07092448
22K	07091172
30K	07091299
51K	07091302
100K	07091246
121K	07091176
150K	07092138
200K	07091406

Barca LittleBorad ID

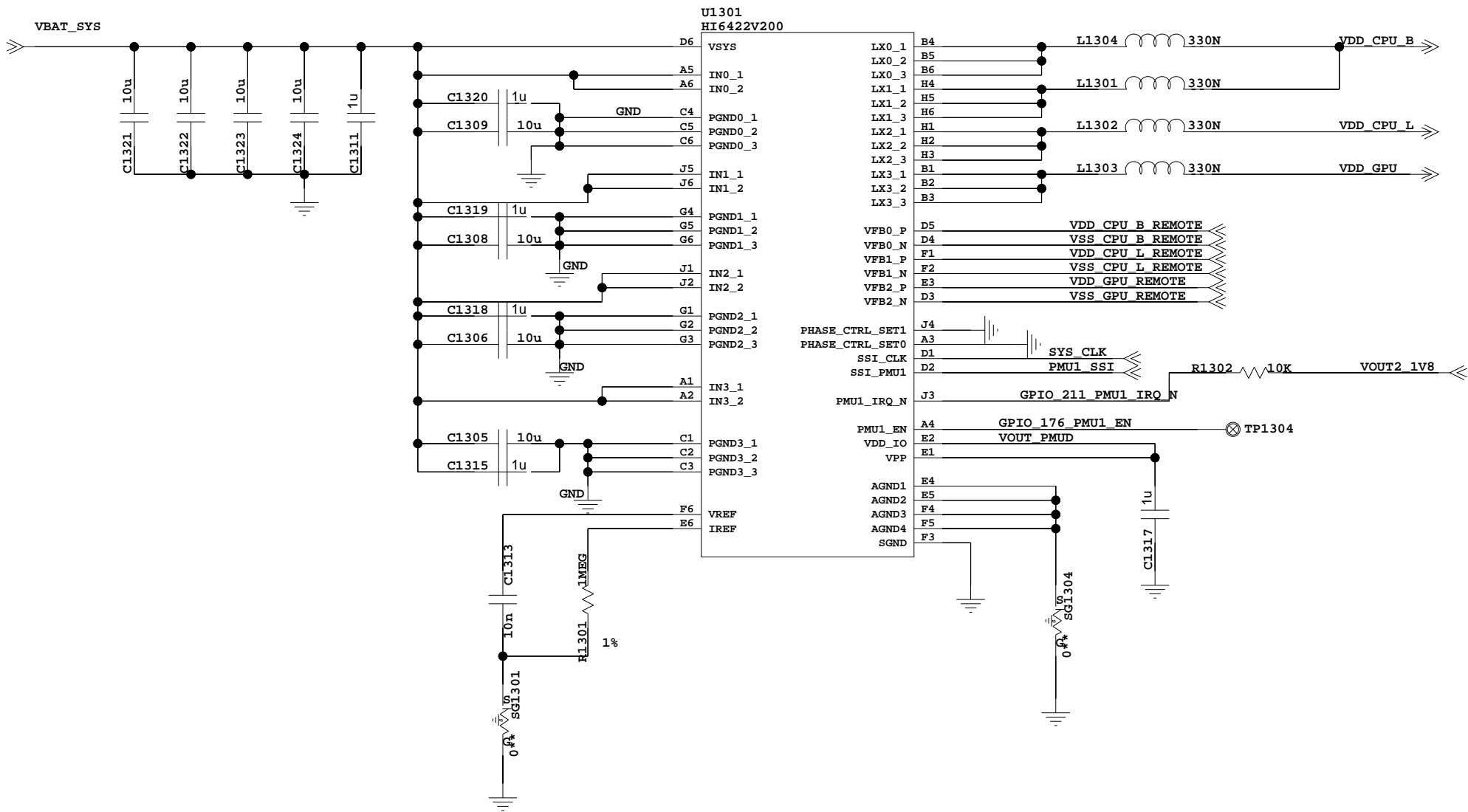
	AL00	TL00	L01/L21	L22	L22J	L03
R1215	200K	200K				

HKADC	Function	HKADC	Function
HKADC_IN0	Board ID	HKADC_IN7	USB_BOARD_ID
HKADC_IN1	Board ID	HKADC_IN8	USB_TEMP_ADC
HKADC_IN2	Board ID	HKADC_IN9	TD_PA0
HKADC_IN3	DCXO Temp	HKADC_IN10	BATT Temp
HKADC_IN4	PD_PA0	HKADC_IN11	TD_AP
HKADC_IN5	TD_CHARGER	HKADC_IN12	
HKADC_IN6	BATT ID		

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 12_PMU MISC	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

13. HI6422



C1315/C1318/C1319/C1320]change from 1u to 1u\*\*---to be confirmed by test

The type and specification of the components refer to the BOM

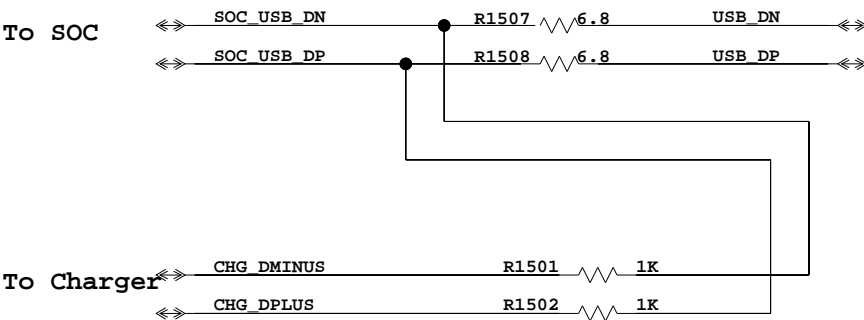
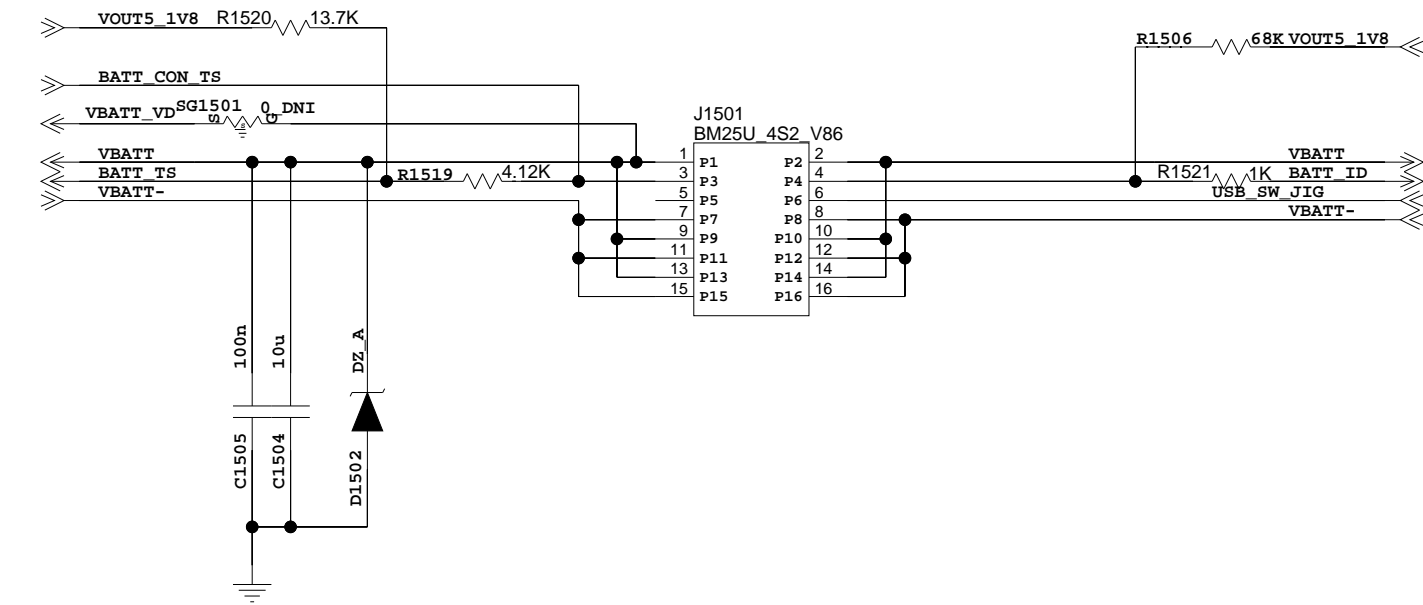
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 13_SOC Buck5 HI6422	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	



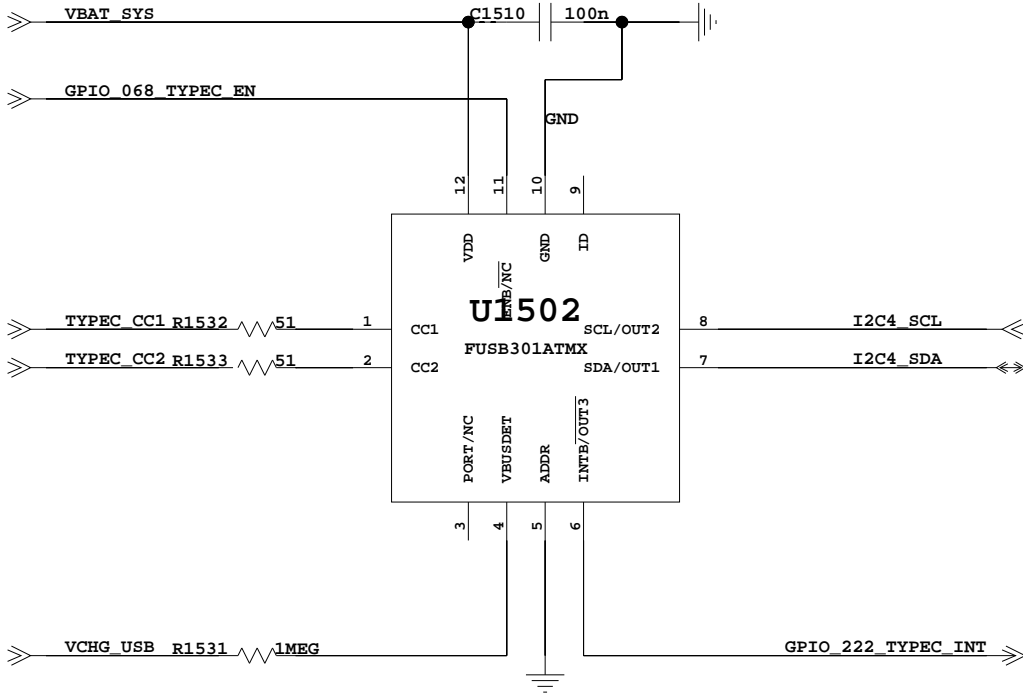
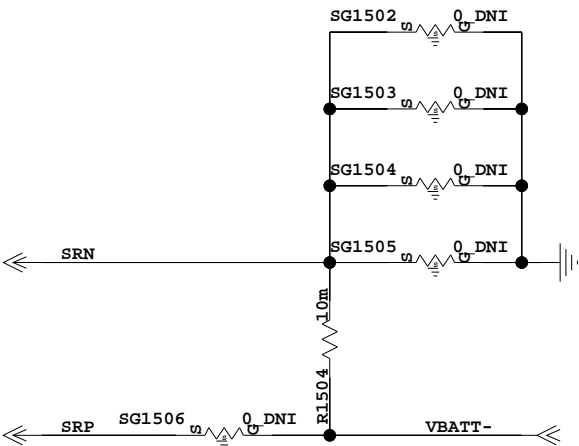


15. Battery & Fuel guage

Battery Connector



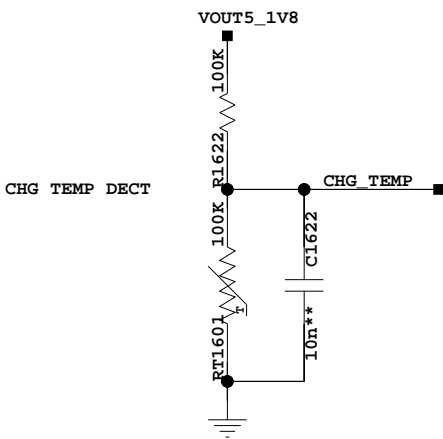
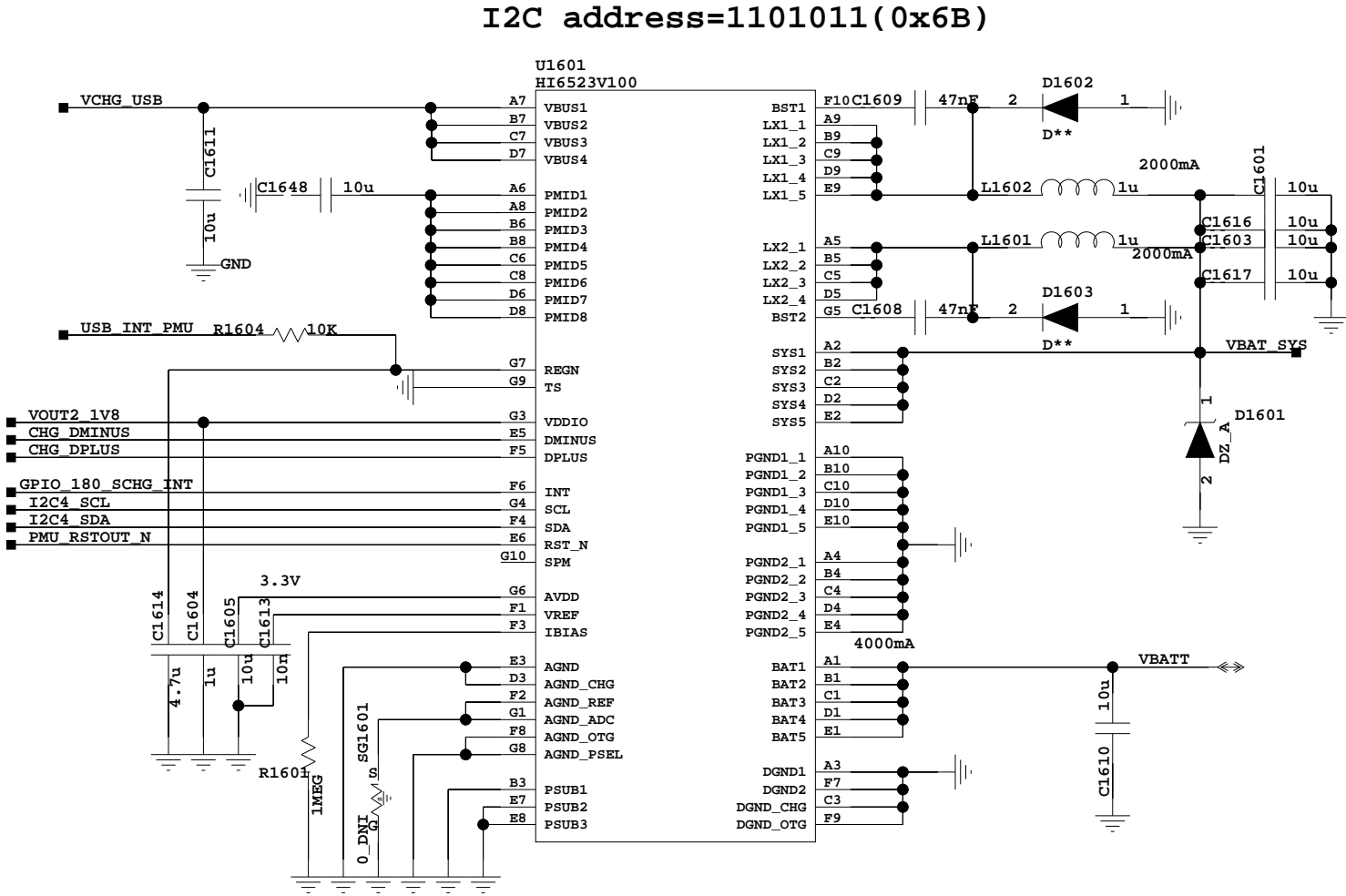
CAD note:1.Trace for 6A  
2.Differential trace



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 15_Battery and CC	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

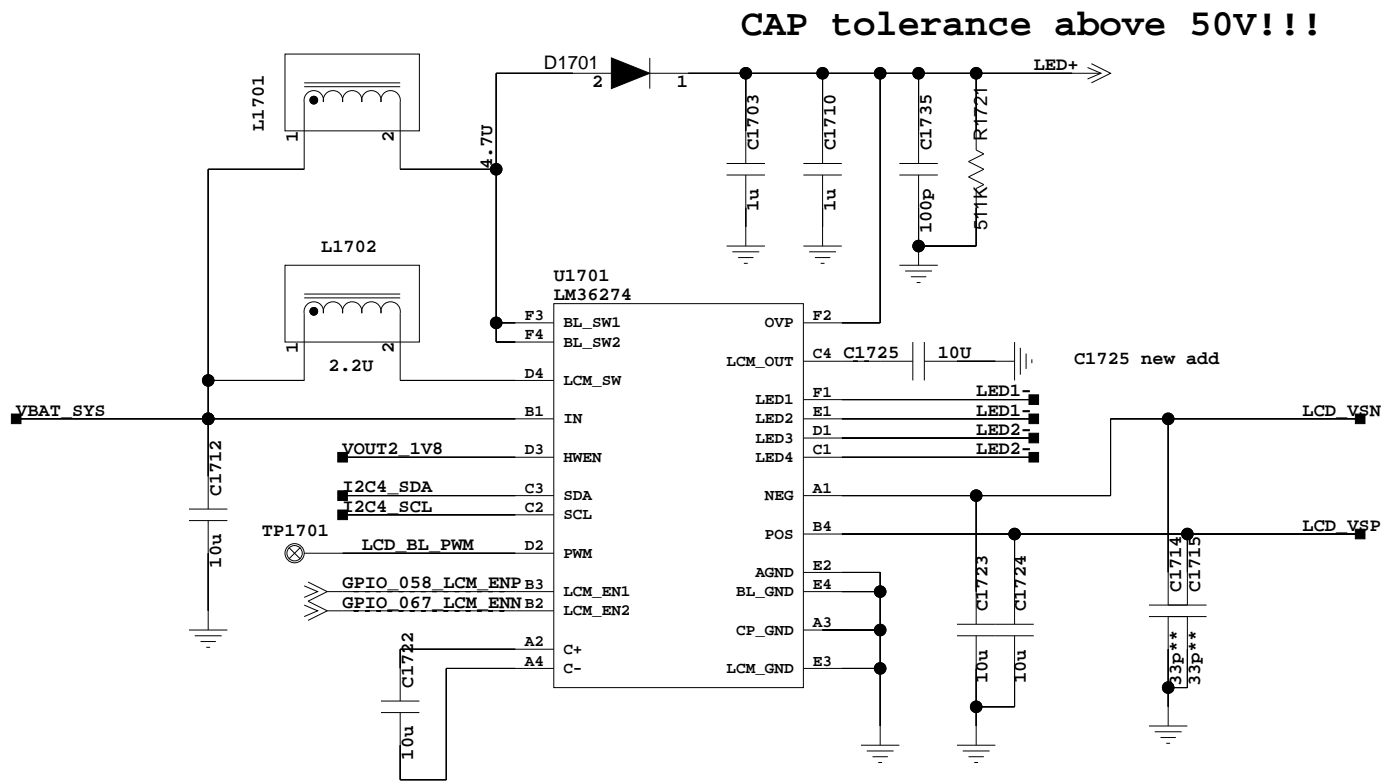
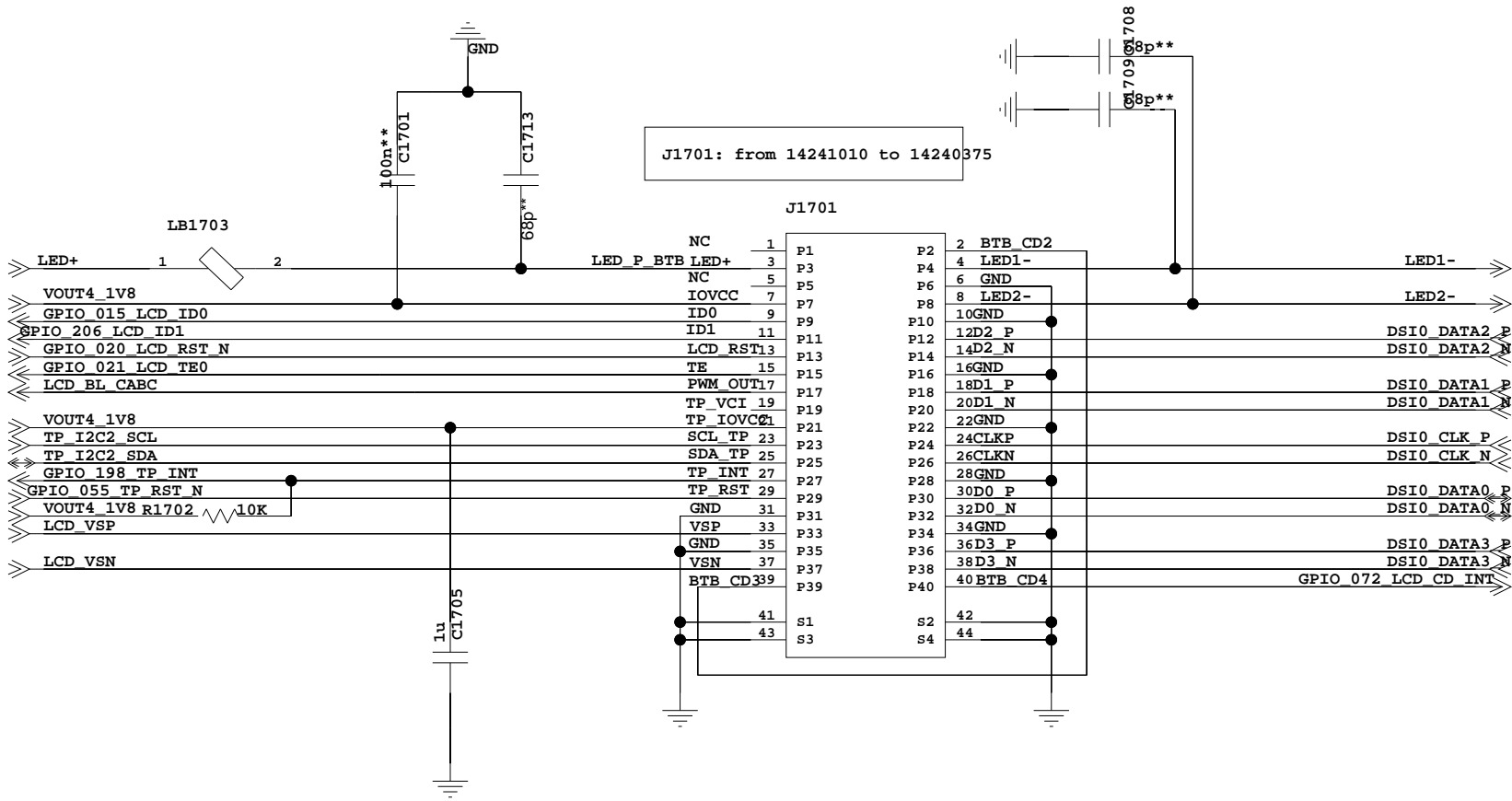
16. Charge Management



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 16 of 57	CHARGE
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

17. LCD Interface



TPVCI -> IOVDD -> VSP -> VSN -> BackLight

The type and specification of the components refer to the BOM					
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 17_LCD Interface	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

18\_Reserved

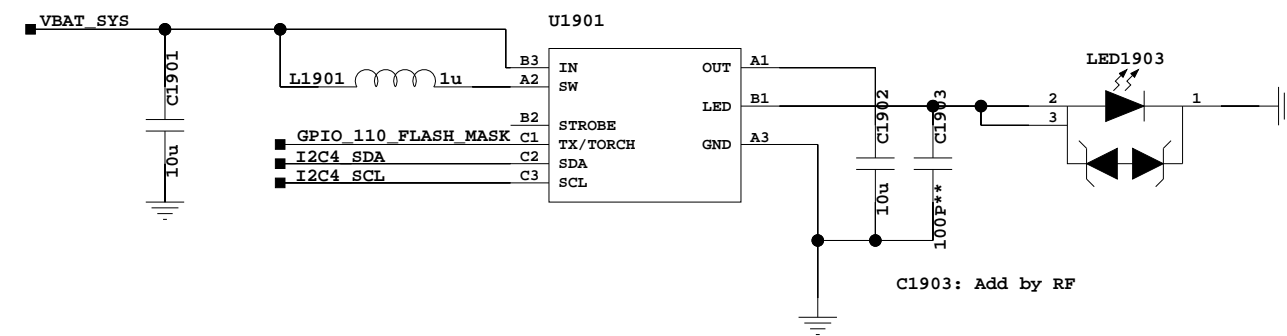
1	2	3	4	5	6
A					A
B					B
C					C
D					D

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		<b>Mobile1Tech.com</b>	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	18_Reserved
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

## 19. Flash LED

Flash Light: change from 39110800 to 39111084

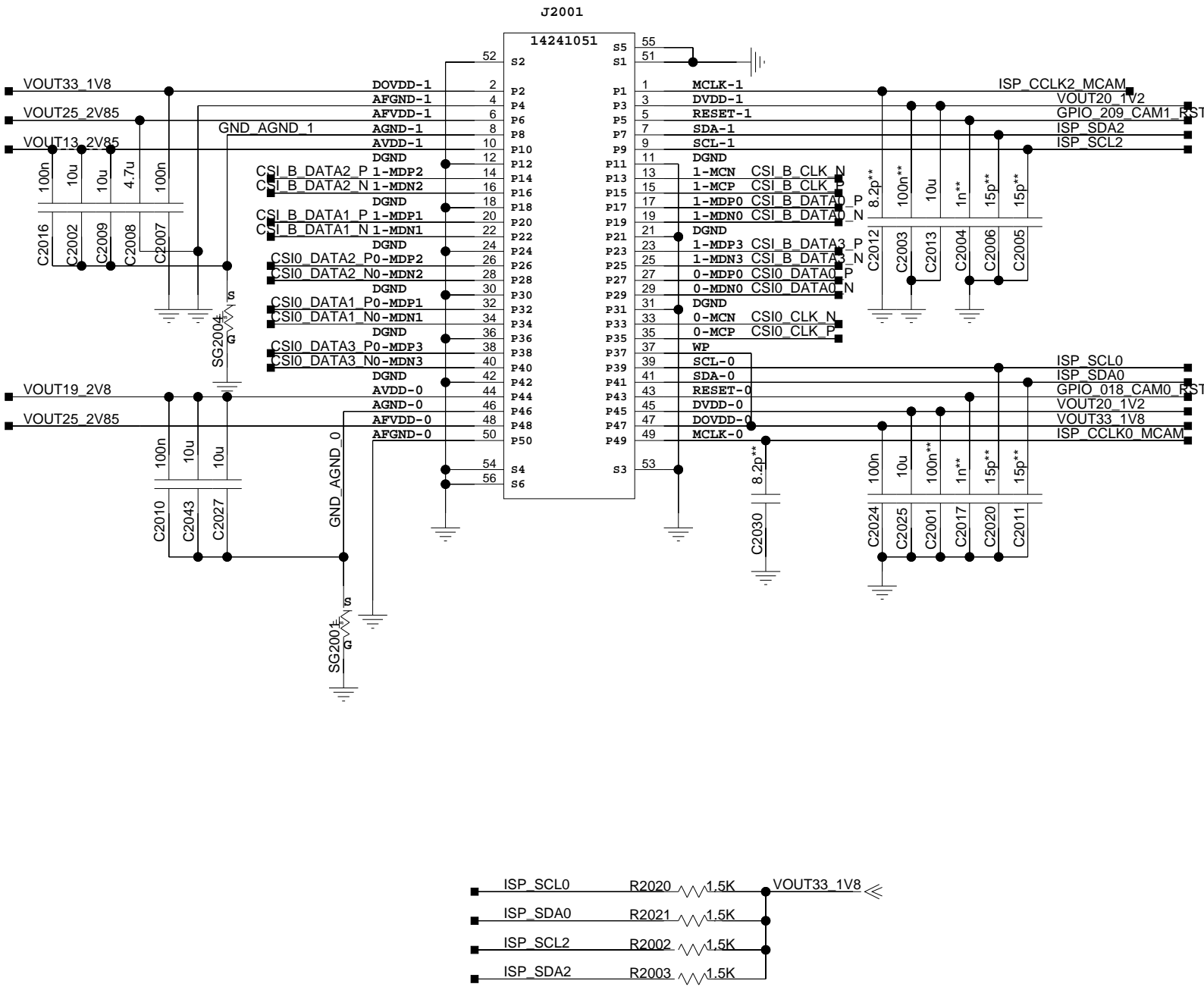


The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		<b>Mobile1Tech.com</b> SHEET 19 OF 52	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 19 OF 52	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	



20. Dual Camera



12M Main CAM 0

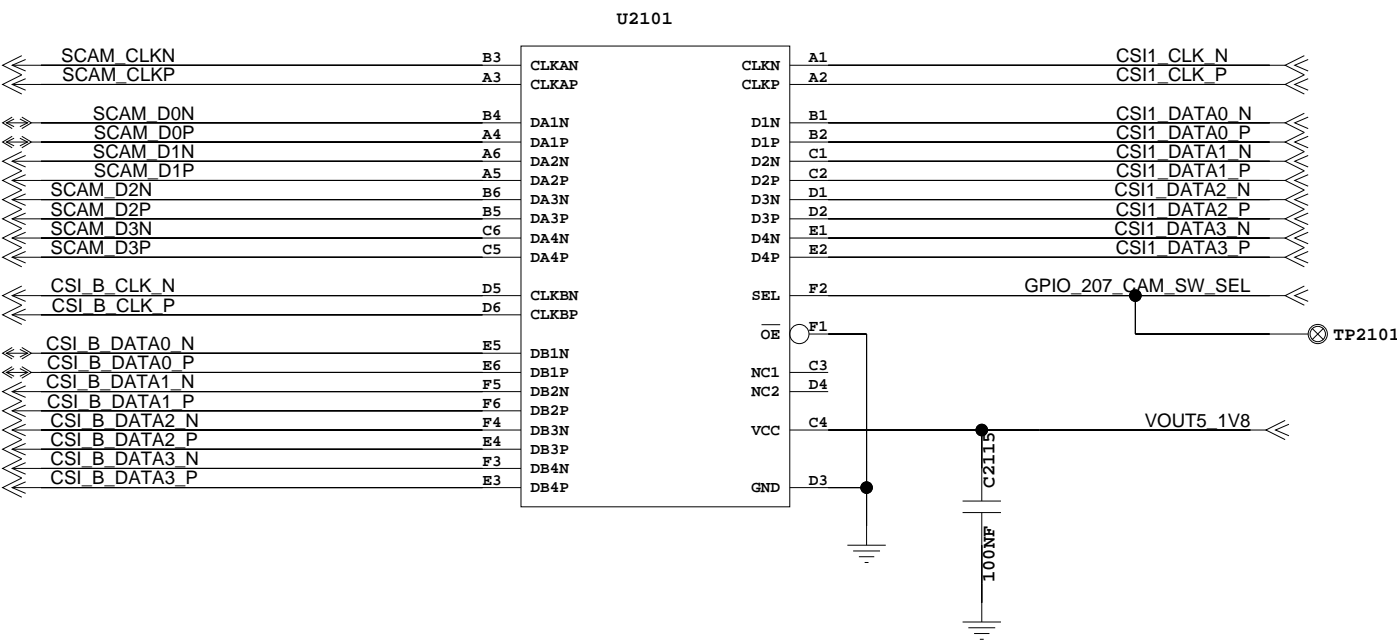
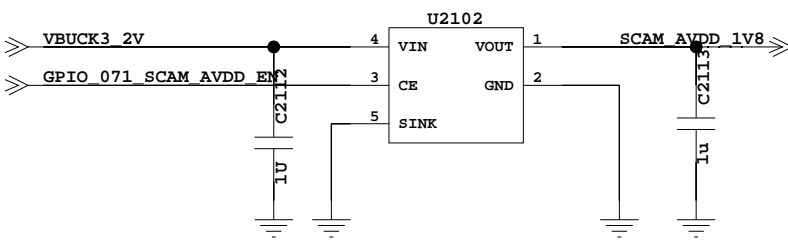
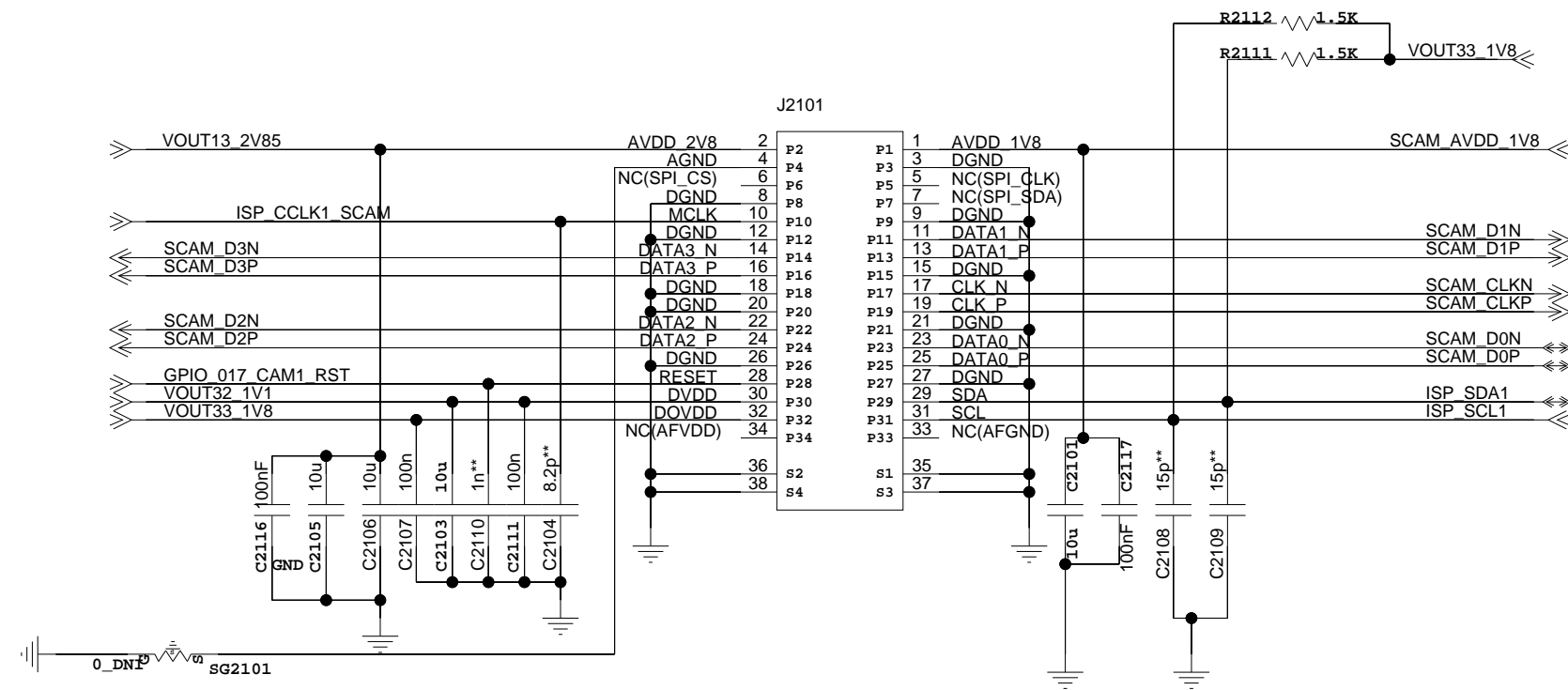
8M Main CAM 1

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 20_Rea0FDua17 Camera	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

21. Front Camera

20M Front Camera 23060240



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 21_Front Camera	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

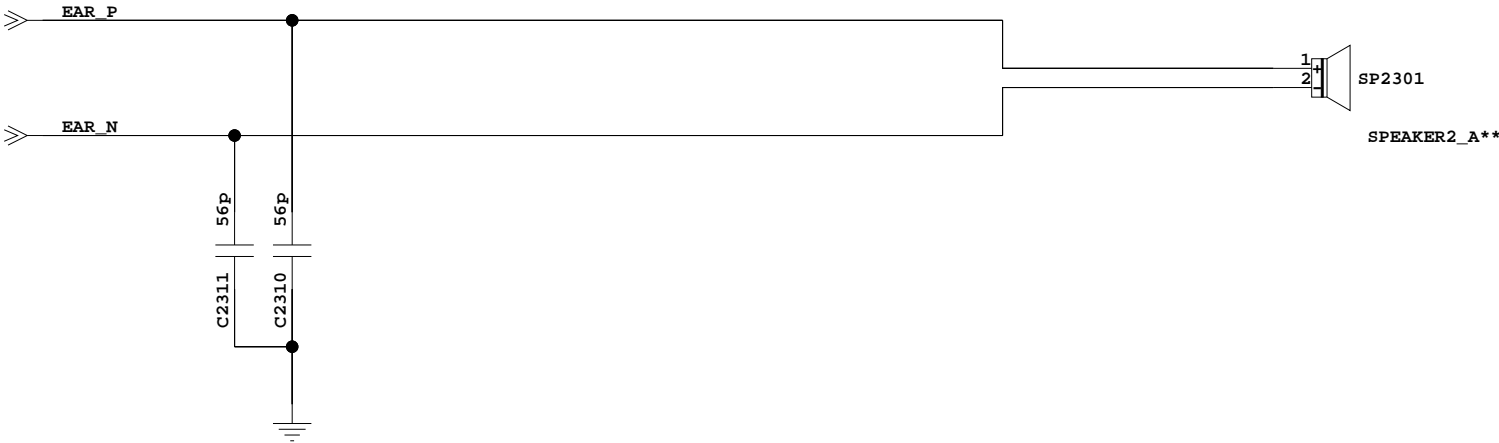


23. MIC/RCV/SPK/VIB

Receiver

R2305/R2306 BOM:

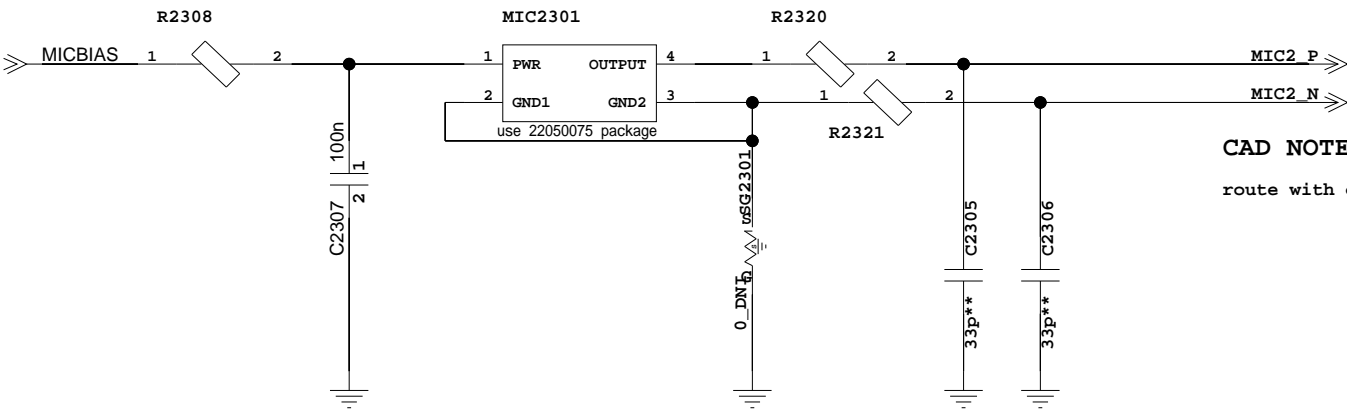
First: 0ohm/07090800  
Second: 68nH/10100081



RCV Code: 22030072

RCV pad use for test point

Secondary Mic

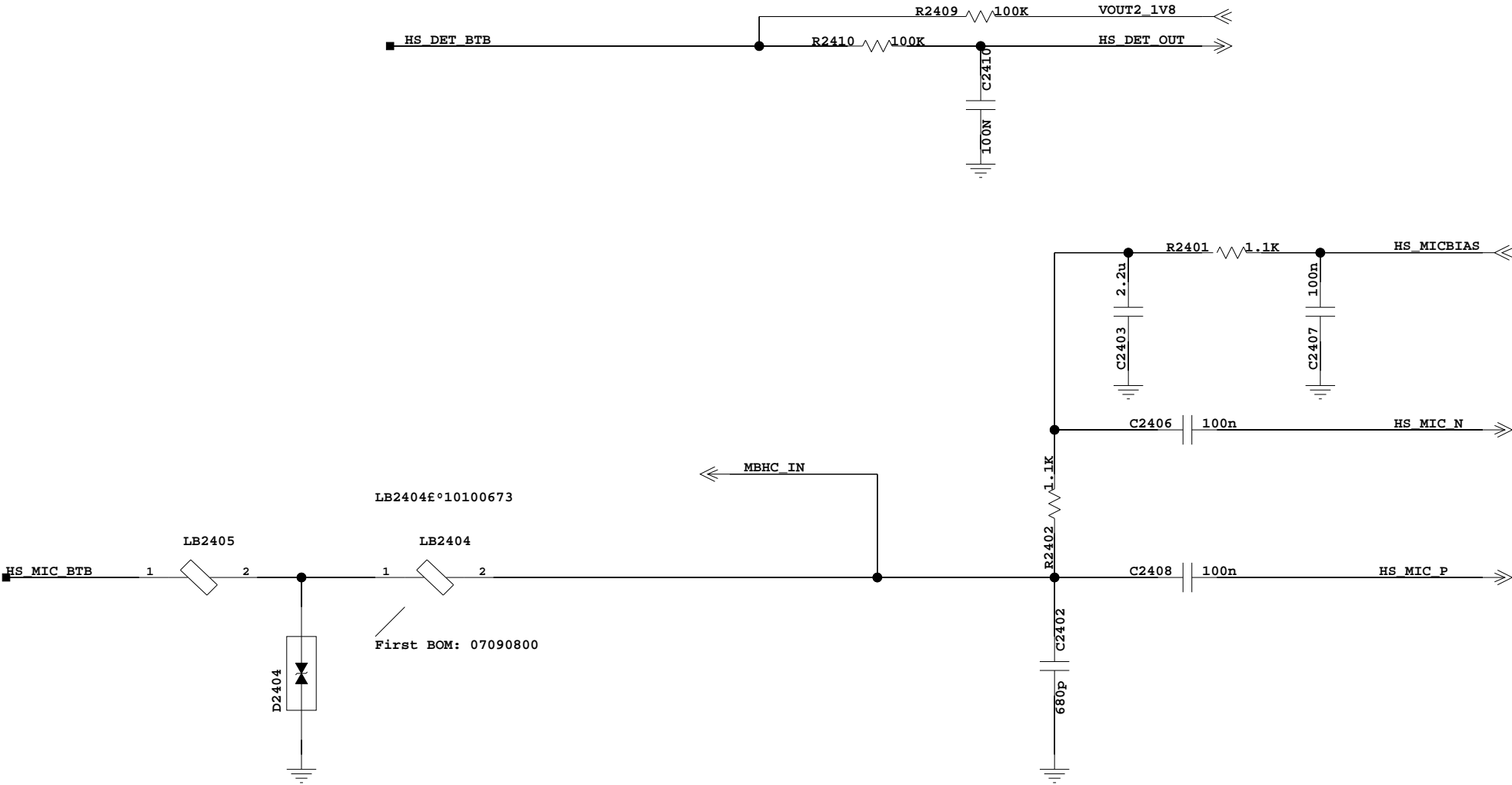
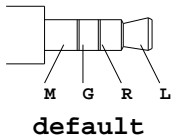


CAD NOTE:  
route with differential pair to the CODEC

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 23_A010	RCV/MIC
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

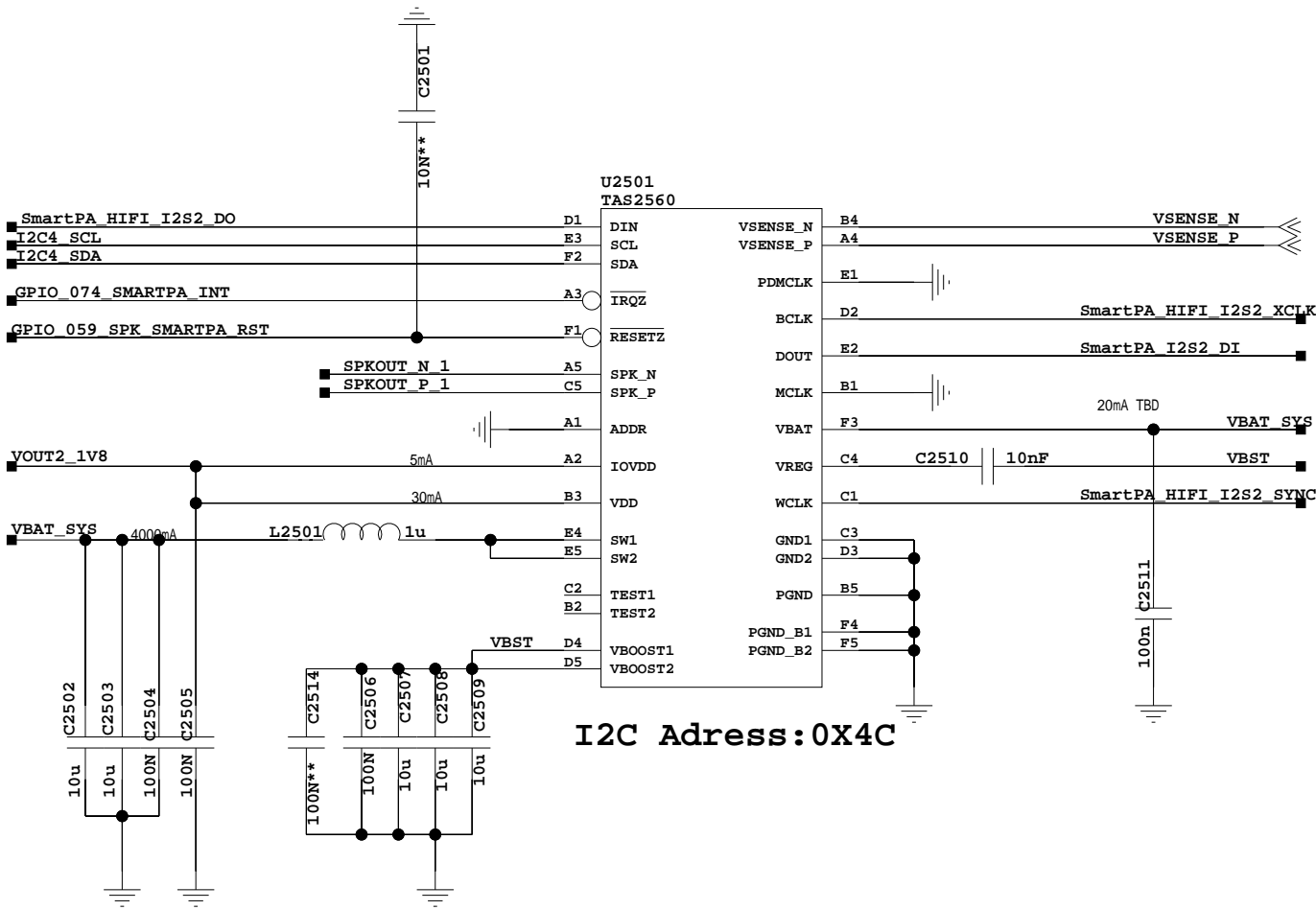
24. Headphone



The type and specification of the components refer to the BOM

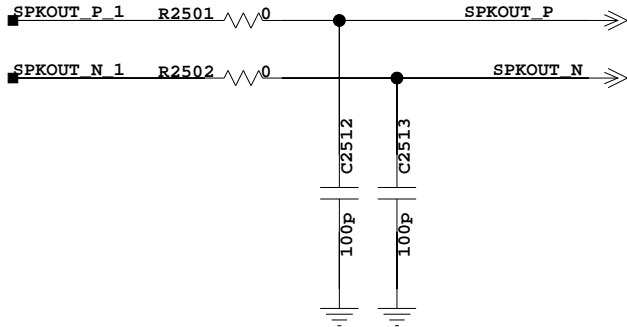
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 24_Headphone	5
		B	HUAWEI	HUAWEI TECH CO.,LTD.	6

25. Audio



I2C Address:0X4C

C2507/C2508/C2509: SMT  
08071671: 2pcs or 08071661: 3pcs



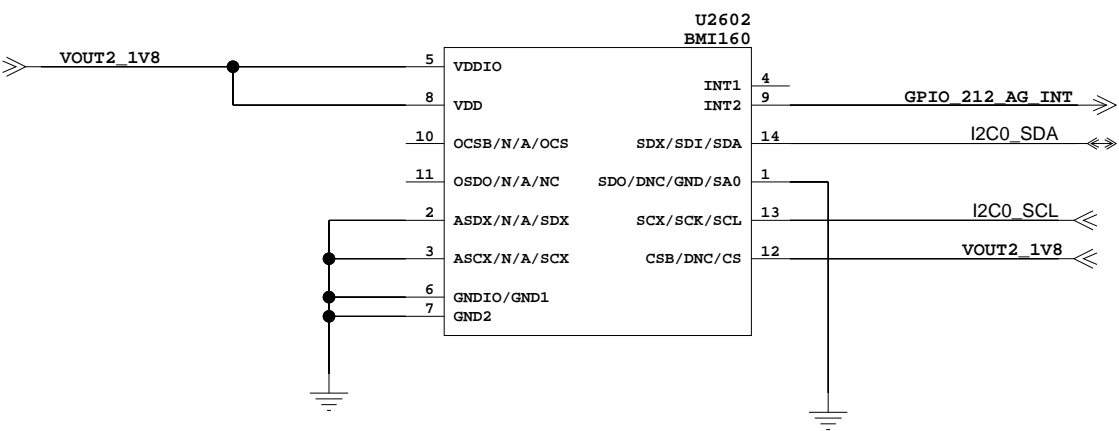
The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 25_Audio BA	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

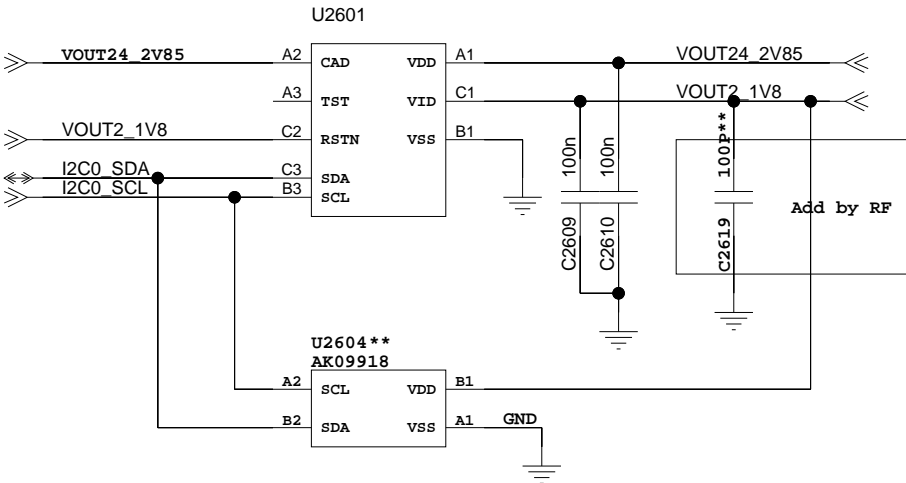


26. X-Sensor

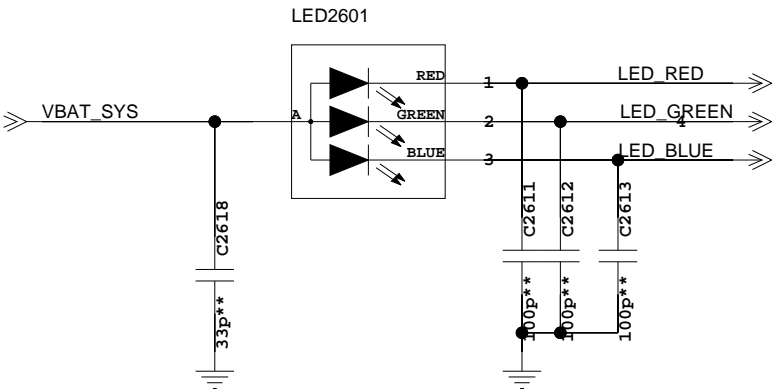
Accelerometer



Compass

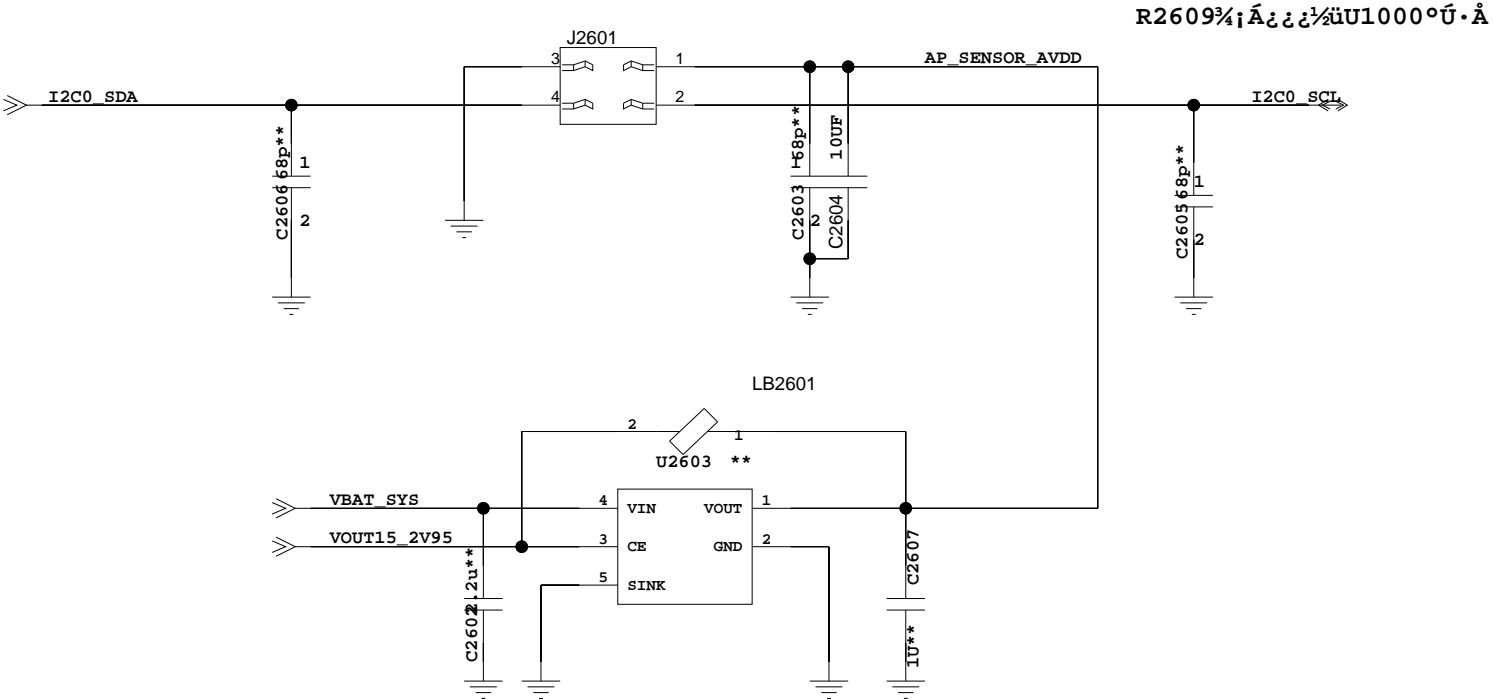


Status indicator

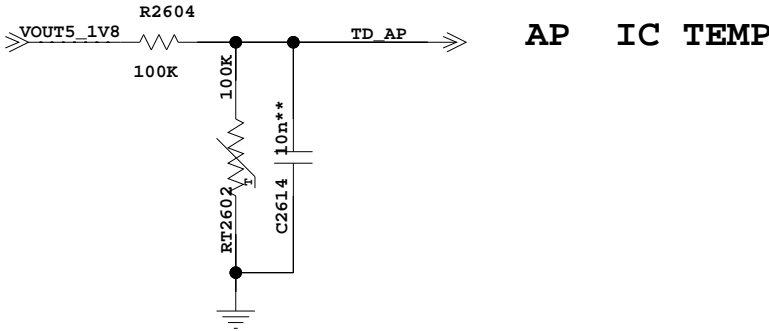


Ambient Light

68p\*\* is add by RF  
LED Pulse Current :max 125mA



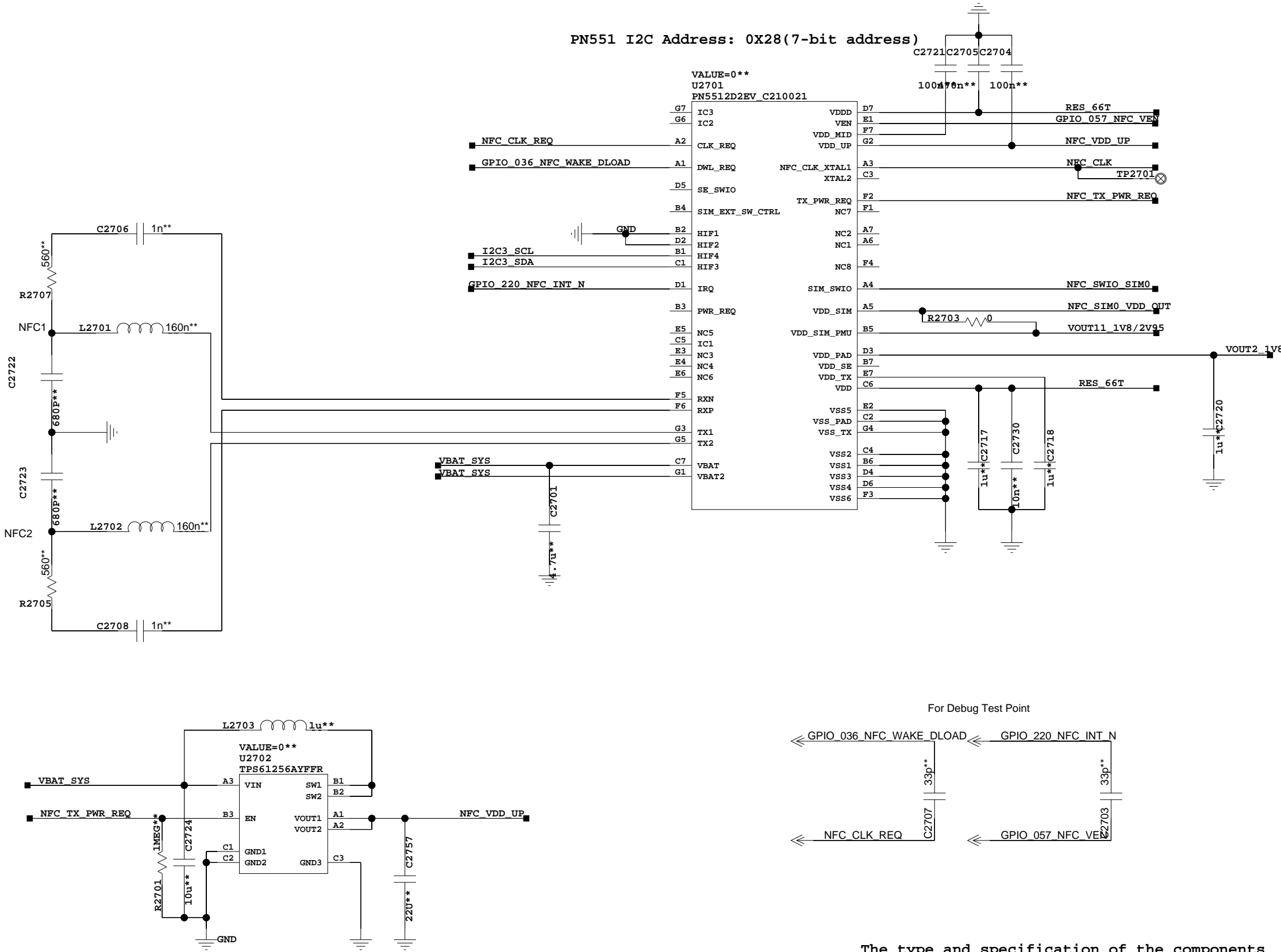
Hot Area TMP sensor



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 26_X057	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

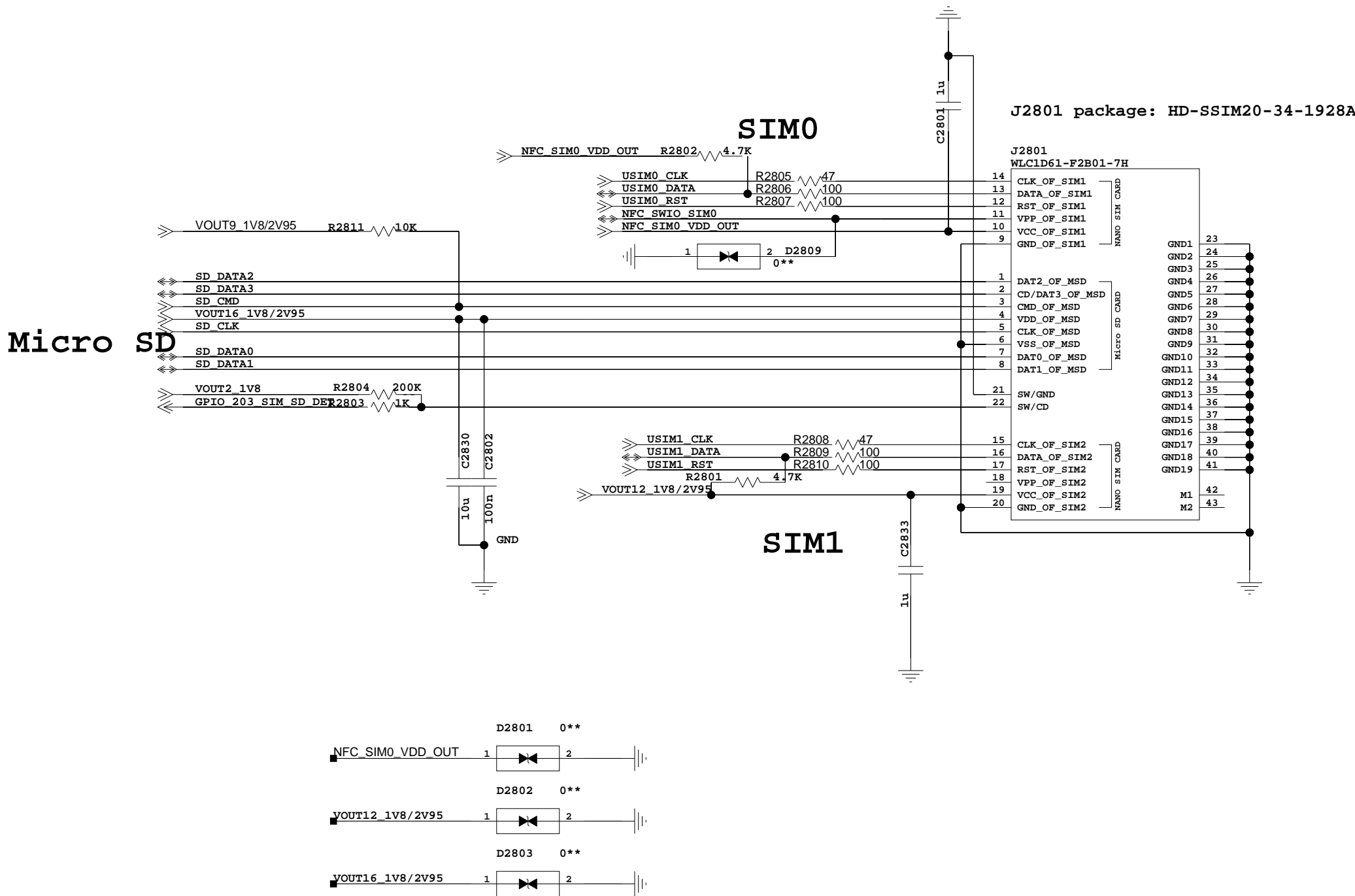
27. NFC



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	27_NFC 57
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

28.SIM/uSD Card

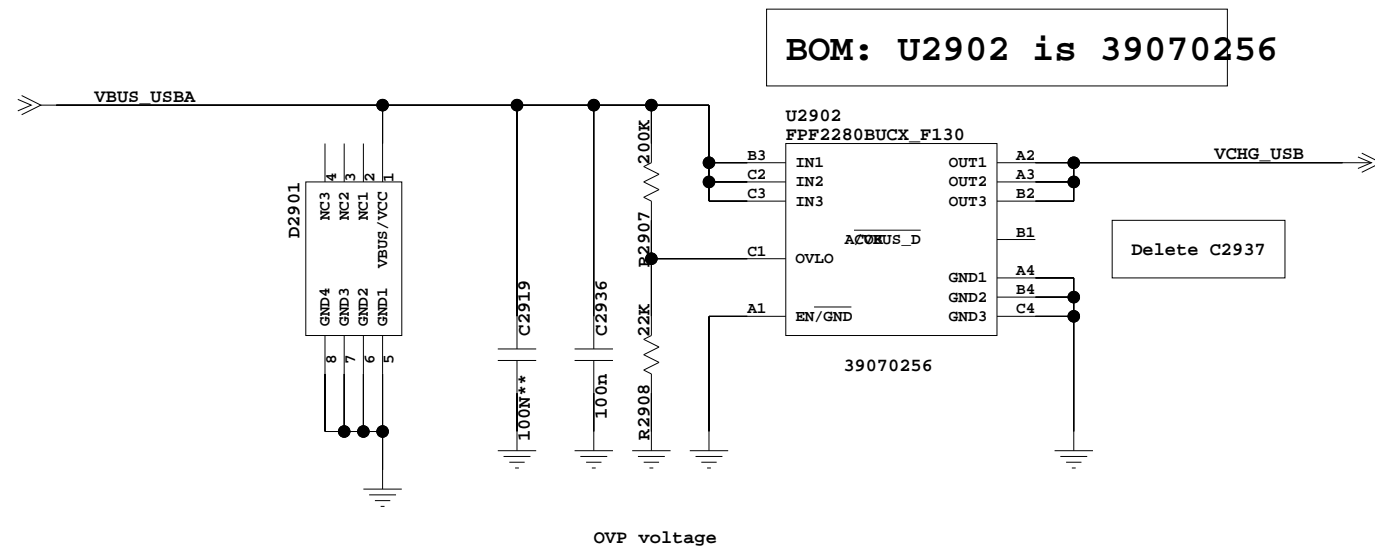


The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 28_SIM0SD Card	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

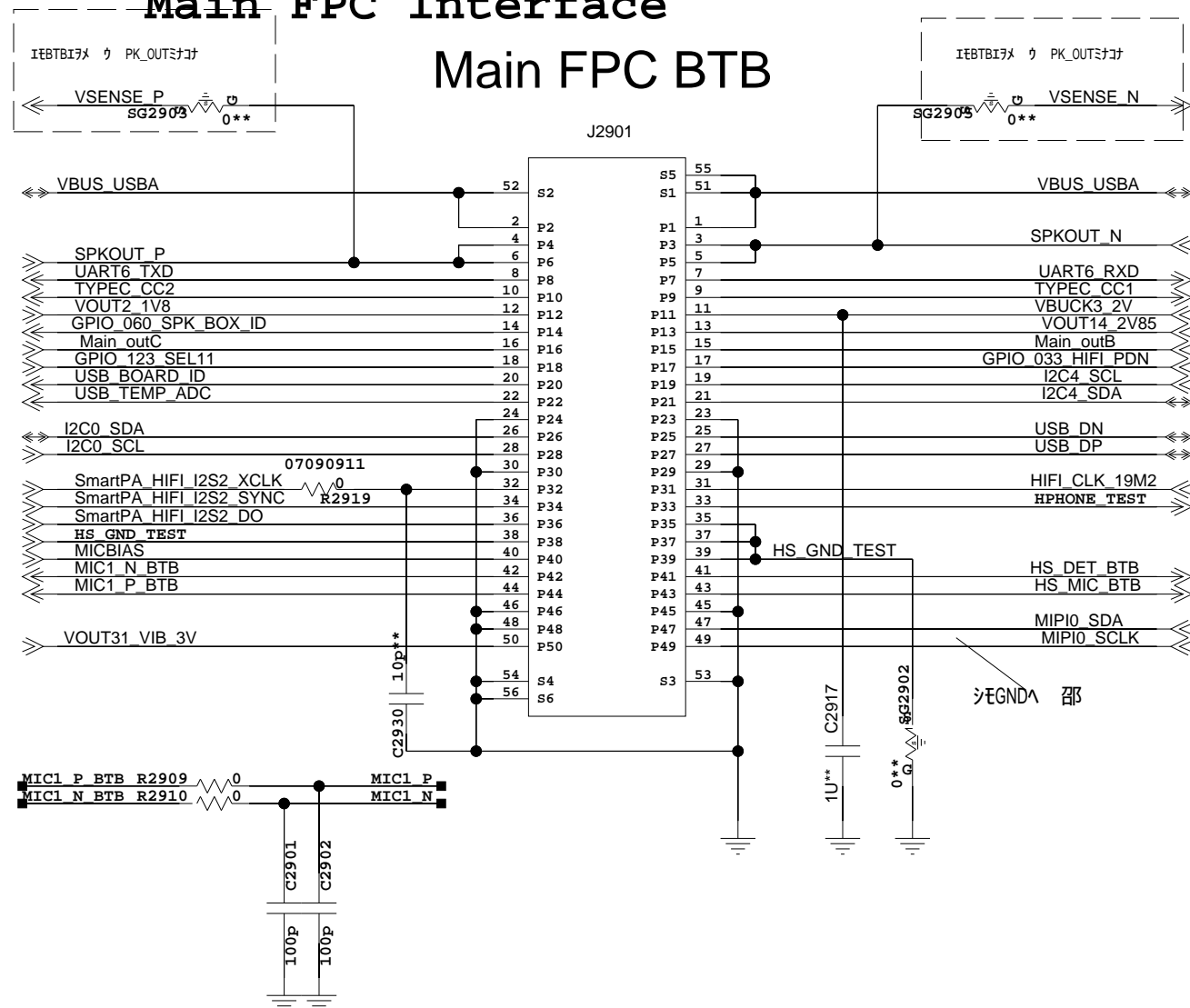
## 29.FPC Interface

For Protection should closed to J2901

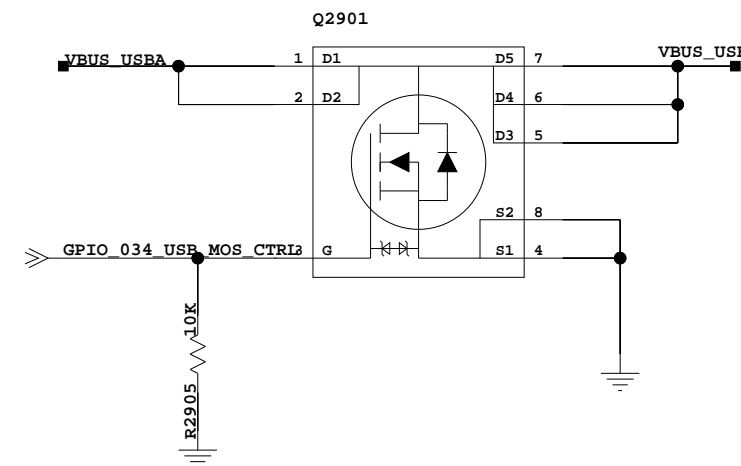


## ~~Main FPC Interface~~

## Main FPC BTB



Q2901 place next D2901 on PCB board



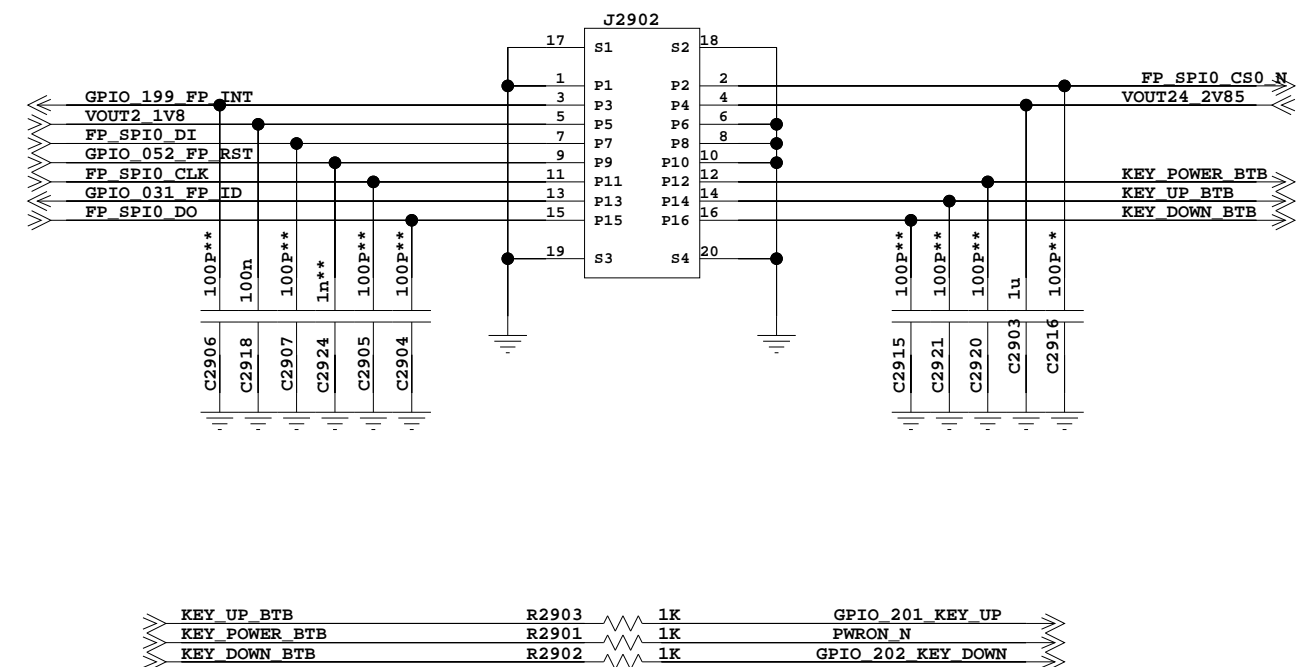
Place near J2901

C2908/C2909/C2910/C2911/C2912/C2913: Add by RF


GPIO_060_SPK_BOX_IDC2908	100P**
VBUCK3_2V	C2909
HIFI_CLK_19M2	C2910
8.2p	
USB_BOARD_ID	C2912
10N**	
VOUT2_1V8	C2913
100P**	

FingerPrint/KEY	BTB
-----------------	-----

Motherboard: 14241136 --- Littleboard: 14241137

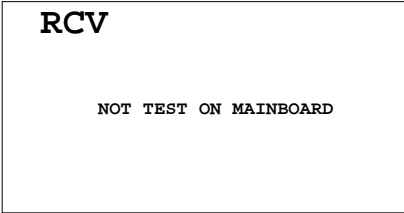
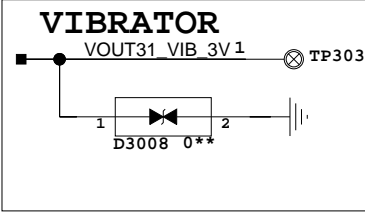
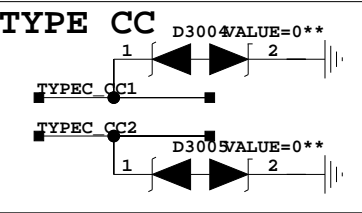
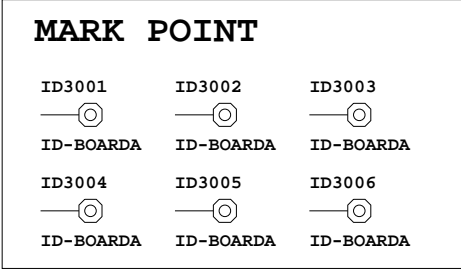
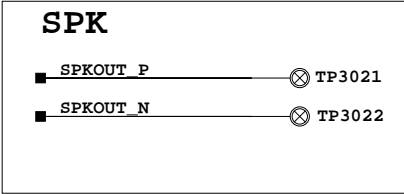
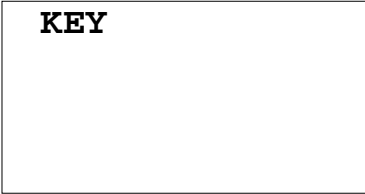
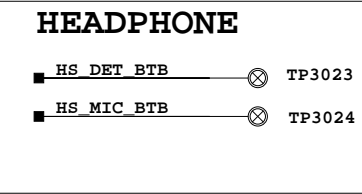
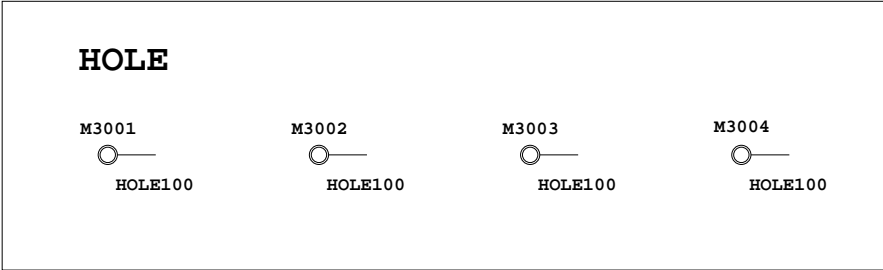
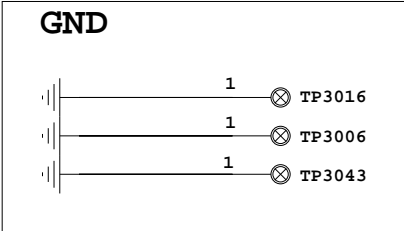
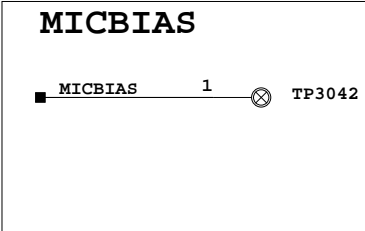
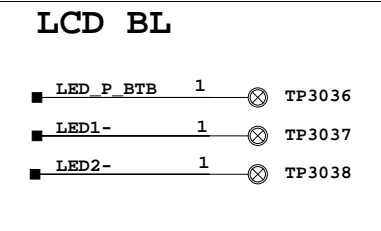
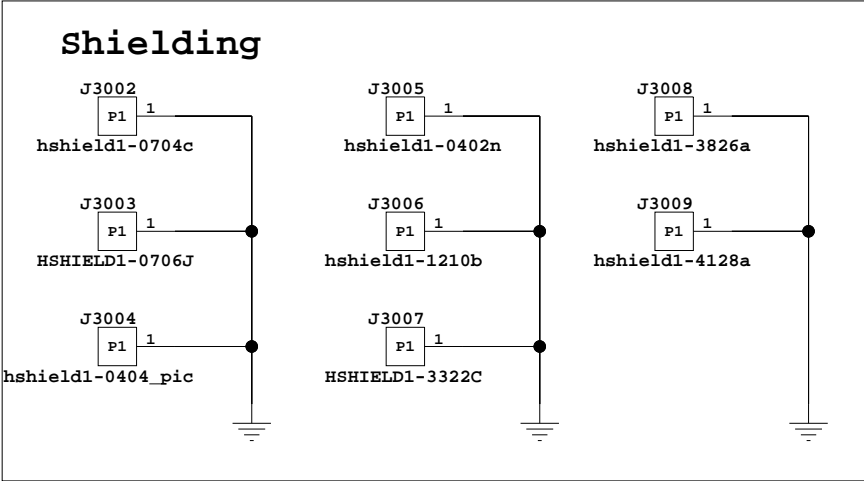
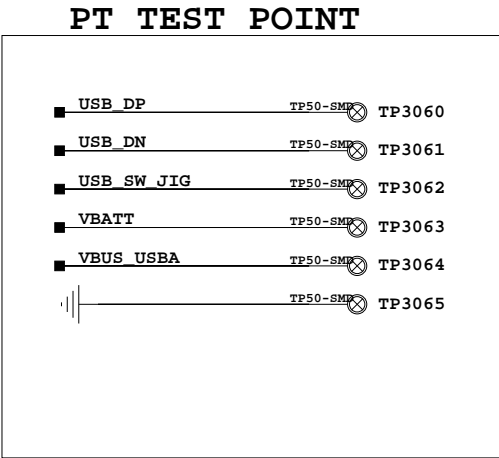
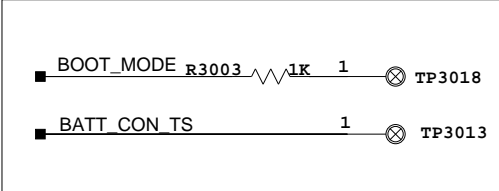
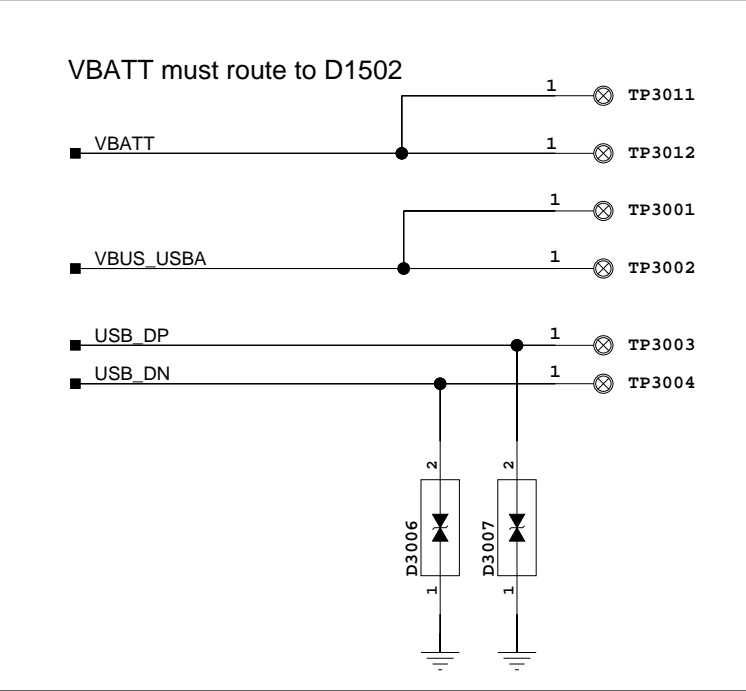


The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS			
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 29_FDF In50rface	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

30. Test Points/Shields

CT BT

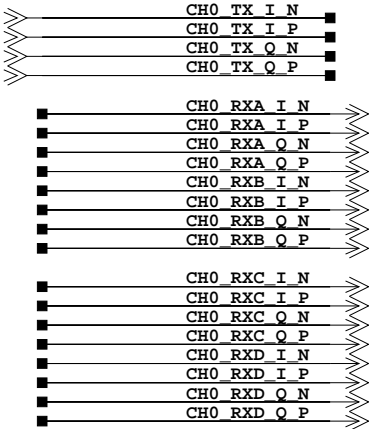


The type and specification of the components refer to the BOM

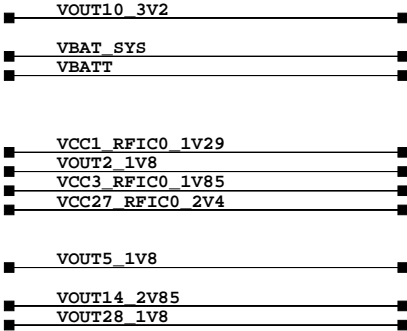
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	Sheet 1 of 1	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

31\_RF interface

RFIC0 IQ



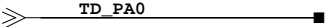
Power



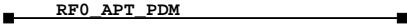
APC TXM\_RAMP



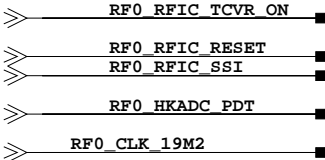
PA temperature



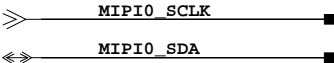
APT PDM



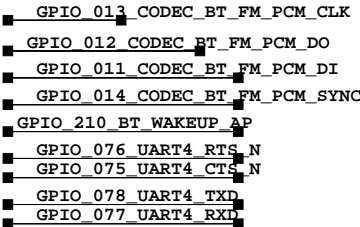
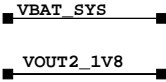
RFIC interface



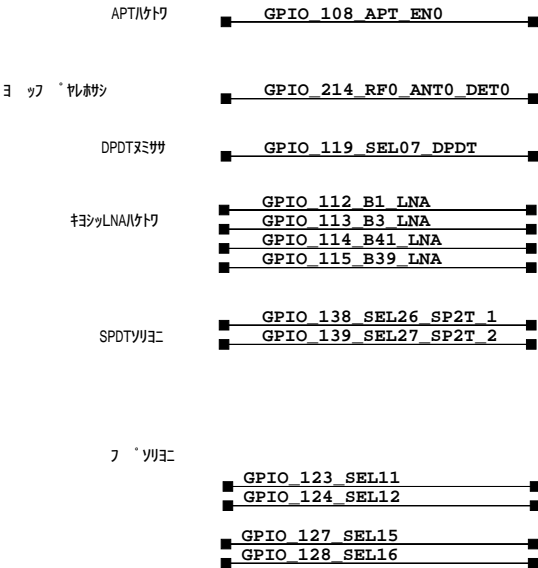
MIPI Interface



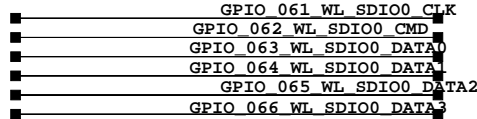
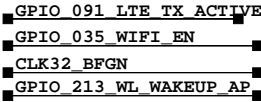
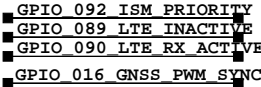
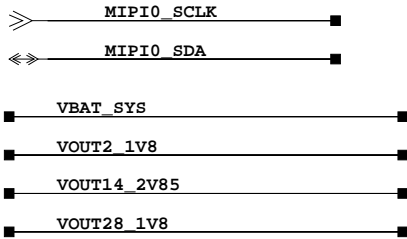
NC Interface



GPIO Interface



ANT interface



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	31_RF interface
		B	HUAWEI	HUAWEI TECH CO.,LTD.	



32\_RF Transceiver0

Note: HB4 & 5 can be configured to RF Group 1 with degraded RF performance  
Only HB3 and HB5 support intra-band non-cont CA, other ports support intra-band cont CA.

UHB1 Group 2	
UHB2 Group 1	
HB1/2/3 Group 1	
HB4/5/6 Group 2	
LB1/2/3 Group 1 or 2	
LB4/5/6 Group 2 or 1	

UHB1-2	2496-3800 MHz
HB1-3	1447-2170 MHz
HB4-6	1844.9-2690 MHz
LB1-3	462.5-894 MHz
LB4-6	717-960 MHz

DRX_B7	B15	DRX_UHB1	RX_A_I_N	H13	CH0_RXA_I_N
DRX_B41	A12	DRX_UHB2	RX_A_I_P	H15	CH0_RXA_I_P
			RX_A_Q_N	J14	CH0_RXA_Q_N
			RX_A_Q_P	K15	CH0_RXA_Q_P
DRX_B34	B9	DRX_HB1	RX_B_I_N	G14	CH0_RXB_I_N
DRX_B3	B11	DRX_HB2	RX_B_I_P	F15	CH0_RXB_I_P
DRX_B1	B13	DRX_HB3	RX_B_I_P	E14	CH0_RXB_Q_N
DRX_B39	C14	DRX_HB4	RX_B_Q_N	F13	CH0_RXB_Q_P
DRX_B40	D15	DRX_HB5	RX_B_Q_P		
		DRX_HB6			
DRX_B5	B5	DRX_LB1	RX_C_I_N	F7	CH0_RXC_I_N
	A4	DRX_LB2	RX_C_I_P	E8	CH0_RXC_I_P
	A6	DRX_LB3	RX_C_Q_N	G8	CH0_RXC_Q_N
DRX_B8	B7	DRX_LB4	RX_C_Q_P	H7	CH0_RXC_Q_P
	A8	DRX_LB5			
		DRX_LB6			
PRX_B7	P1	MRX_UHB1	RX_D_I_N	E10	CH0_RXD_I_N
PRX_B41	K1	MRX_UHB2	RX_D_I_P	F9	CH0_RXD_I_P
			RX_D_Q_N	F11	CH0_RXD_Q_N
			RX_D_Q_P	G10	CH0_RXD_Q_P
PRX_B2 or B2_34UT	H1	MRX_HB1			
PRX_B34 or G1800UT	J2	MRX_HB2			
PRX_B3	K3	MRX_HB3			
PRX_B1	M1	MRX_HB4			
PRX_B39	L2	MRX_HB5			
PRX_B40	N2	MRX_HB6			
PRX_B5	D3	MRX_LB1			
	D1	MRX_LB2			
	E2	MRX_LB3			
PRX_B8	F1	MRX_LB4			
	G2	MRX_LB5			
	H3	MRX_LB6			
TX_B7/40/41	T5	TXRF_UHB1			
	T7	TXRF_UHB2			
	T9	TXRF_UHB3			
TX_B1/2/3/34/39	U2	TXRF_HB1			
TX_GSMHB	T1	TXRF_HB2			
	T3	TXRF_HB3			
TX_B5/8	U10	TXRF_LB1			
TX_GSMLB	T11	TXRF_LB2			
	U12	TXRF_LB3			
	U14	TXRF_LB4			
PDET_ANT0	M5	TXFB_1			
	N4	TXFB_2			

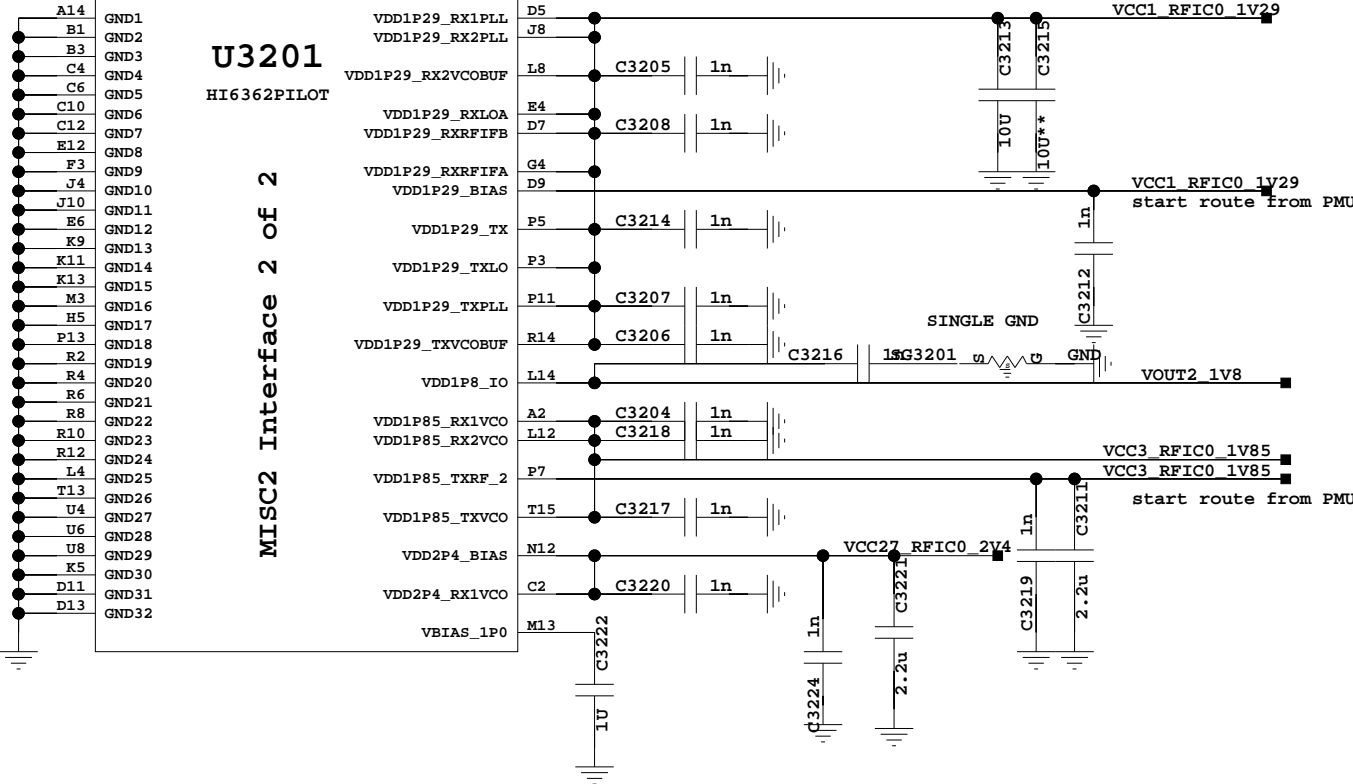
j0-12dBm to 0dBm

U3201  
HI6362PILOT

MISC1 Interface 1 of 2

TEST_1	F5
TEST_2	G6
GPIO_0	G12
GPIO_1	H11
GPIO_2	H9
GPIO_3	M11
TCVR_ON	J6
TRSTN	L6
RESETN	K7
POWDETOUT	N10
SSI	P15
REXT	N14
PREF_IN	M15

close to PIN

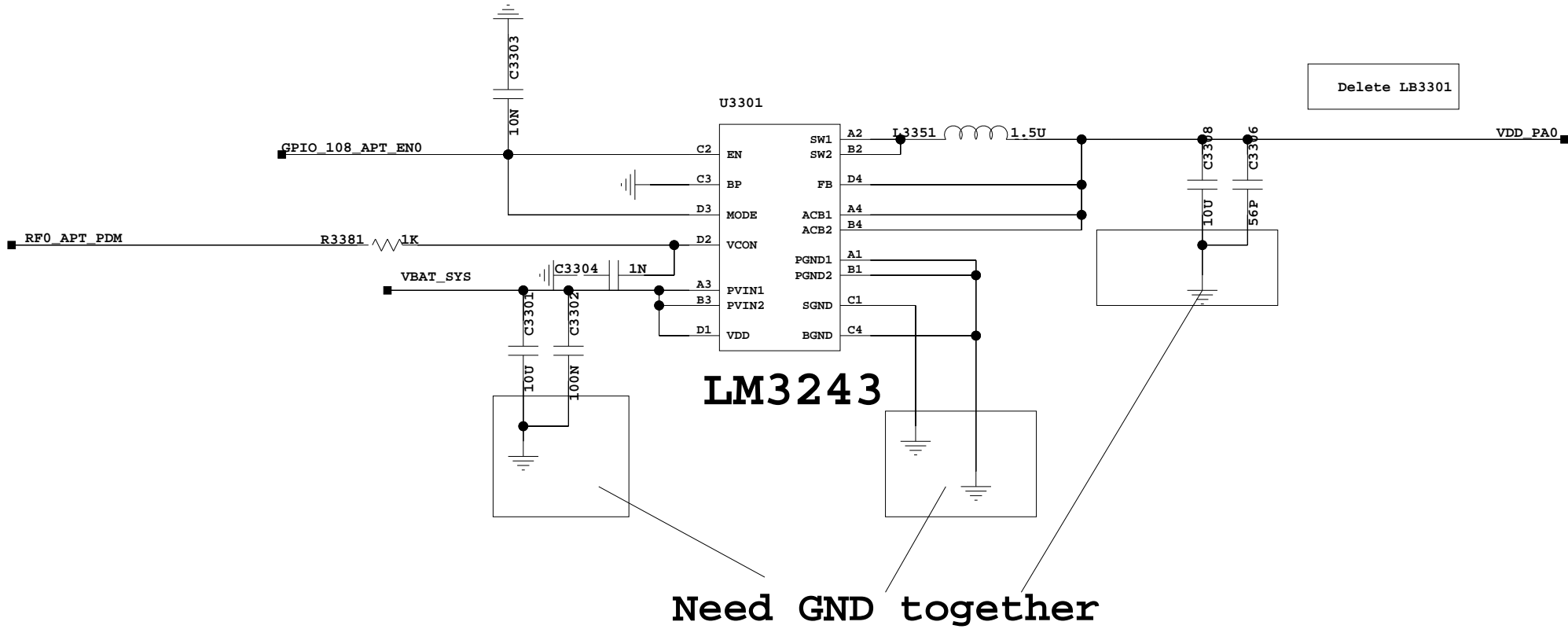


NOTE:U3201 Only changed the code!

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	32_RF Transceiver0
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

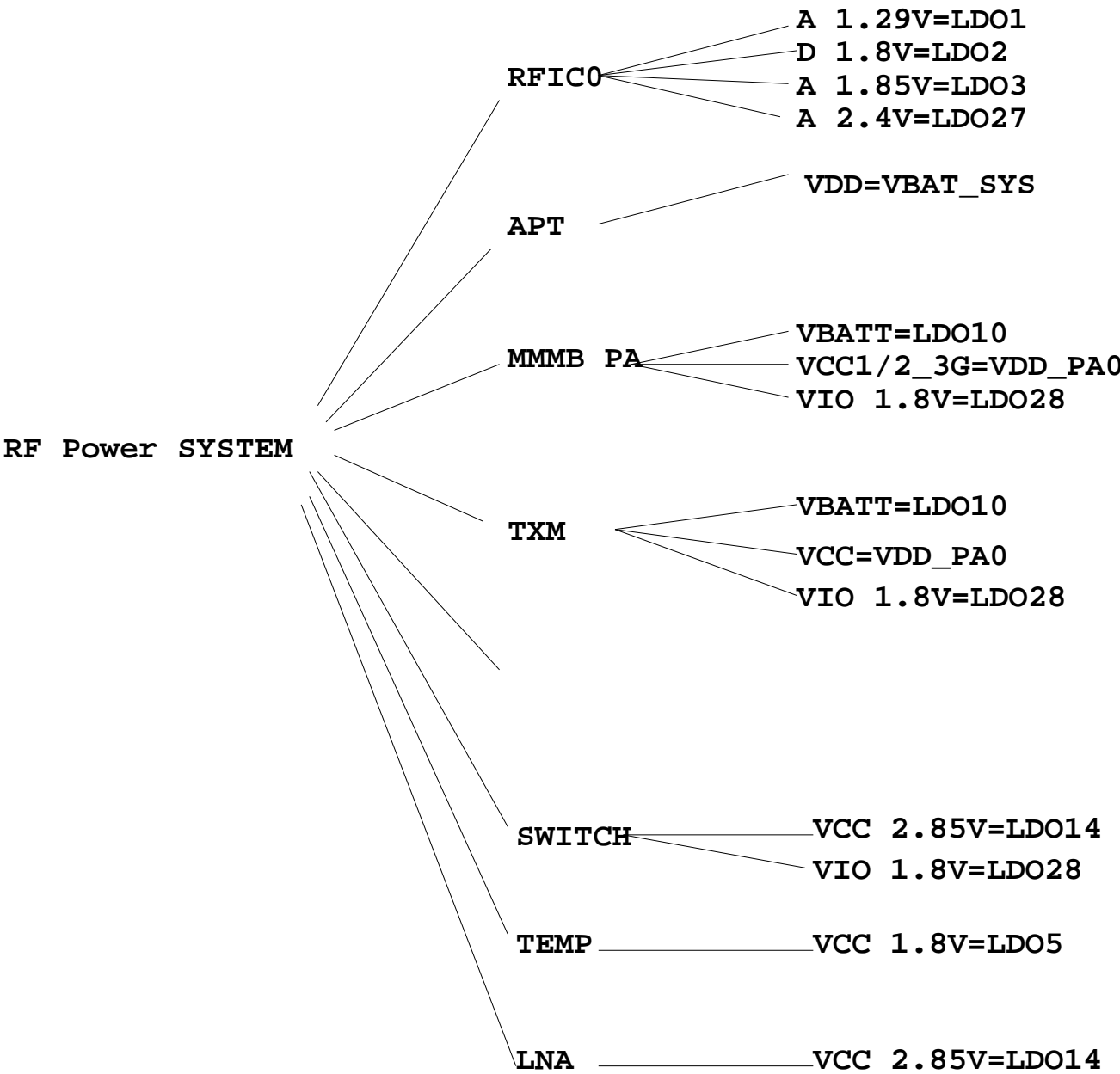
33\_APT Power



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	33_APT Power
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

# 34\_RF Power System



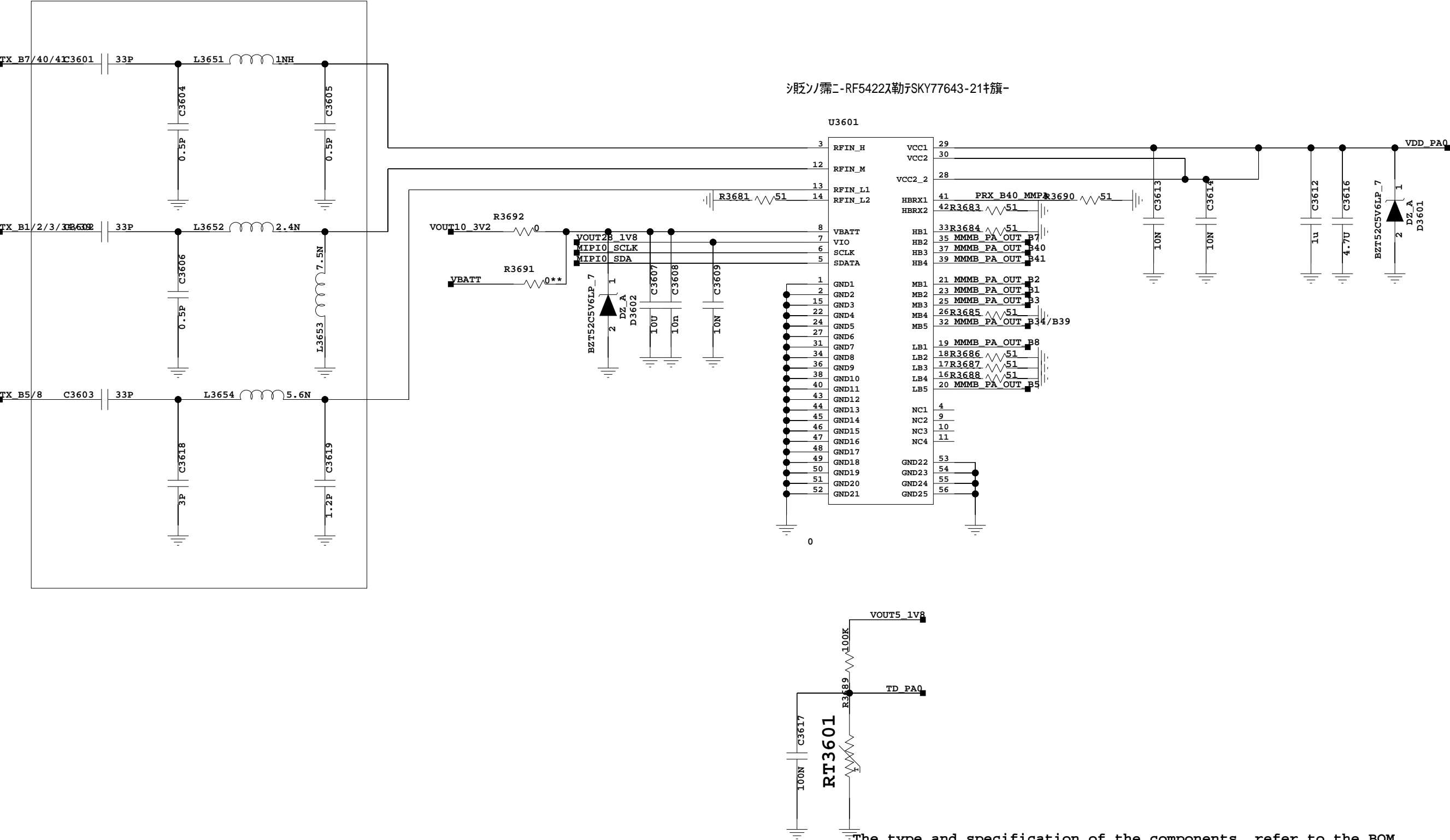
The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	34_RF Power System
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

1	2	3	4	5	6
35_Reserved					
A					A
B					B
C					C
D					D
The type and specification of the components refer to the BOM					
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		HUAWEI	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 35_Reserved	57
		B	HUAWEI	HUAWEI TECH CO.,LTD.	
1	2	3	4	5	6

36. MMB PA

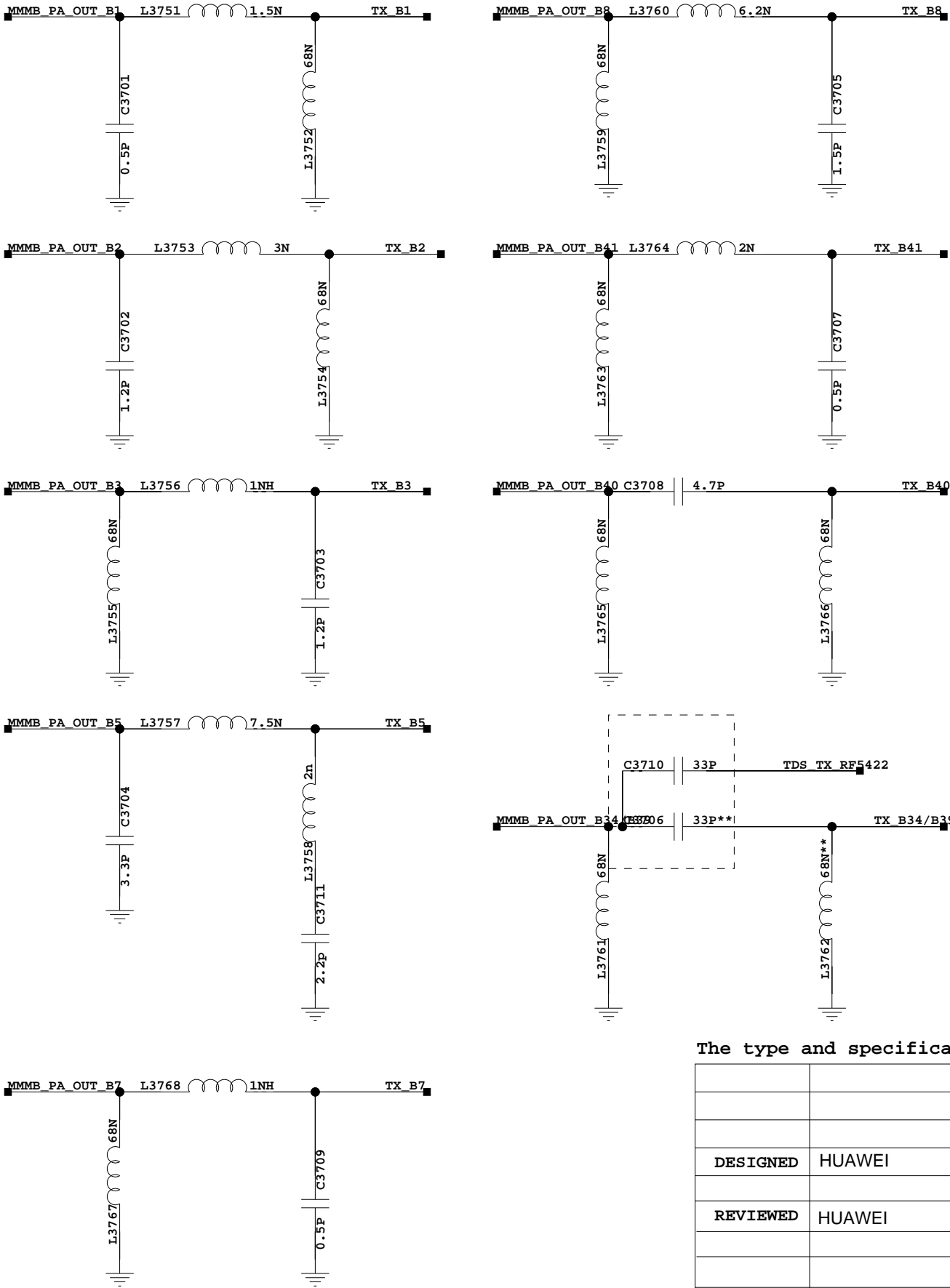
Close to U3201



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	36_MMMB PA
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

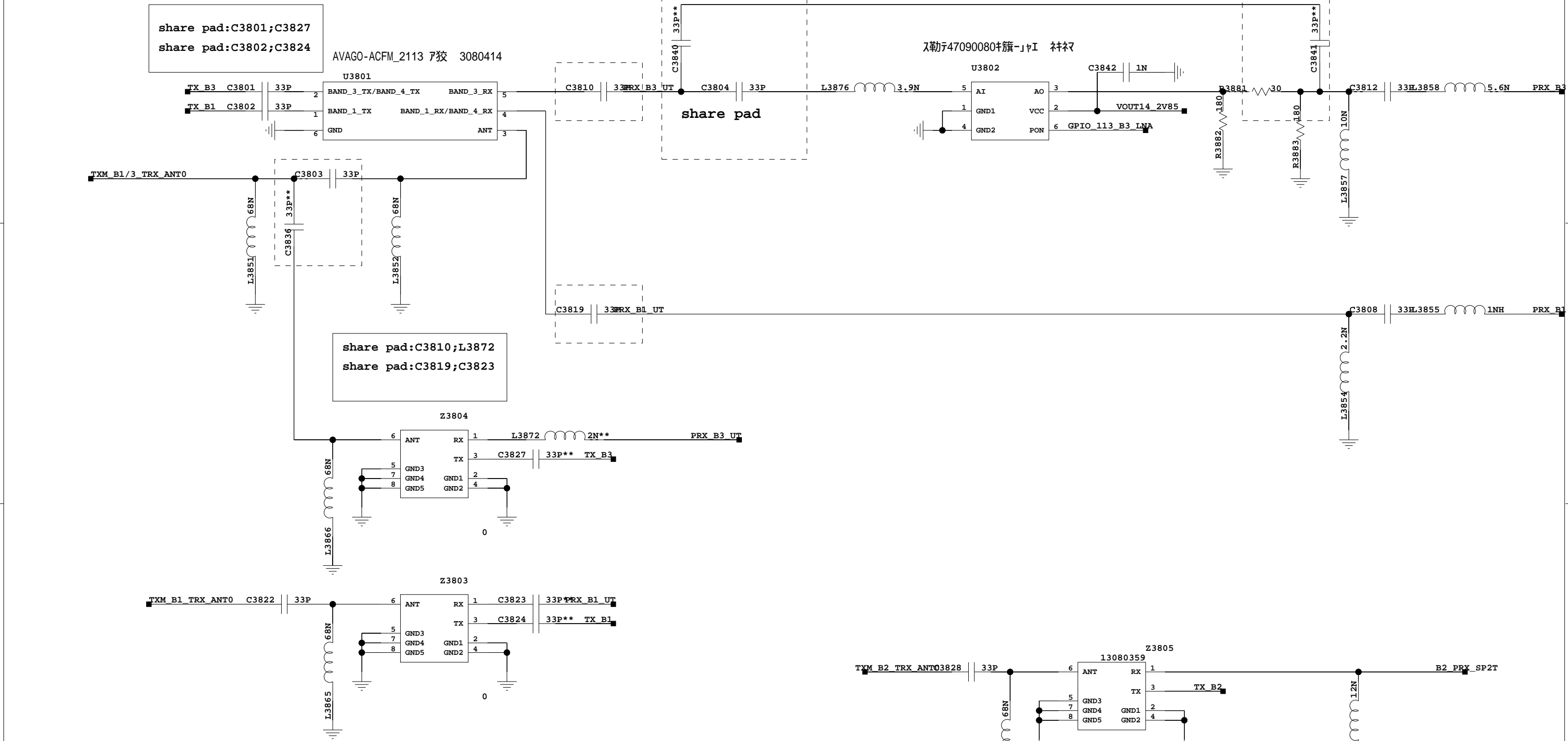
Close to MMPA



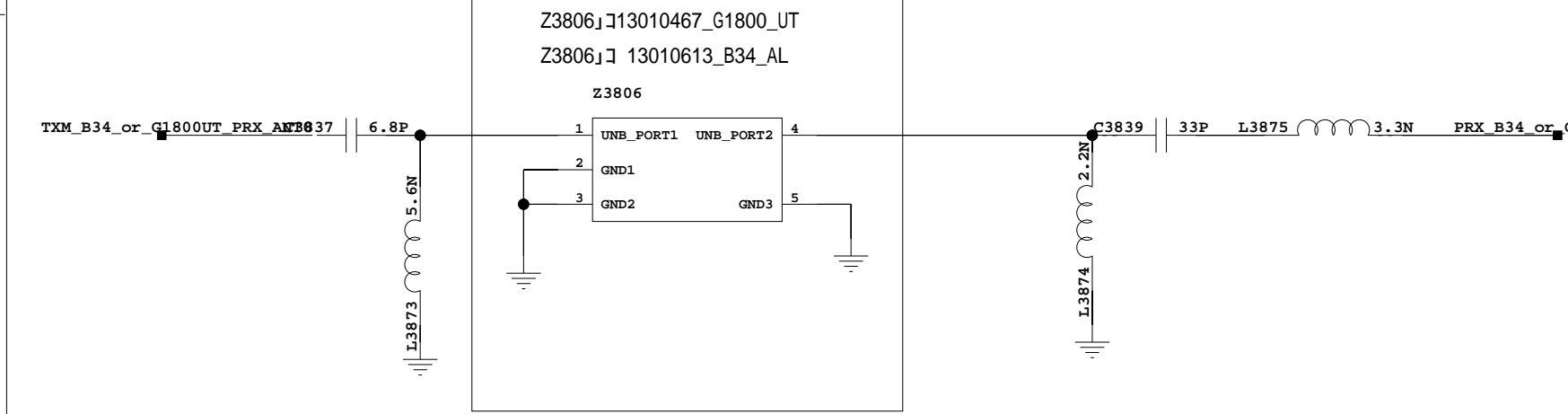
Phase2PAシフト

The type and specification of the components refer to the BOM					
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	37_Matching_circuit
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

38\_TRX\_B1/B2//B3



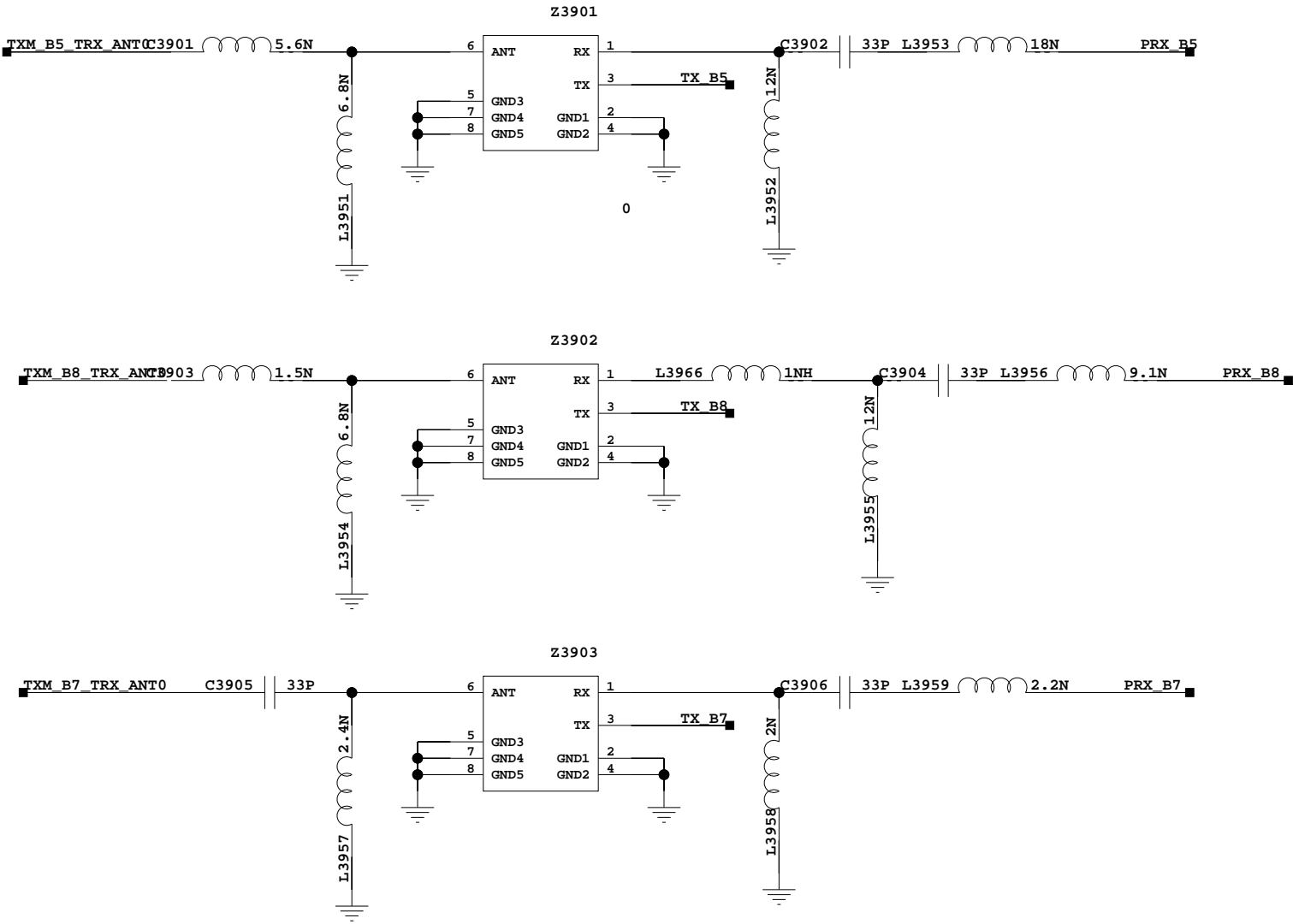
B34\_G1800UTシ短ンハイツキ」コ



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	38_TRX_B1/B2//B3
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

39\_TRX B5/7/8



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		HUAWEI	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	39_TRX B5/7/8
		B	HUAWEI	HUAWEI TECH CO.,LTD.	



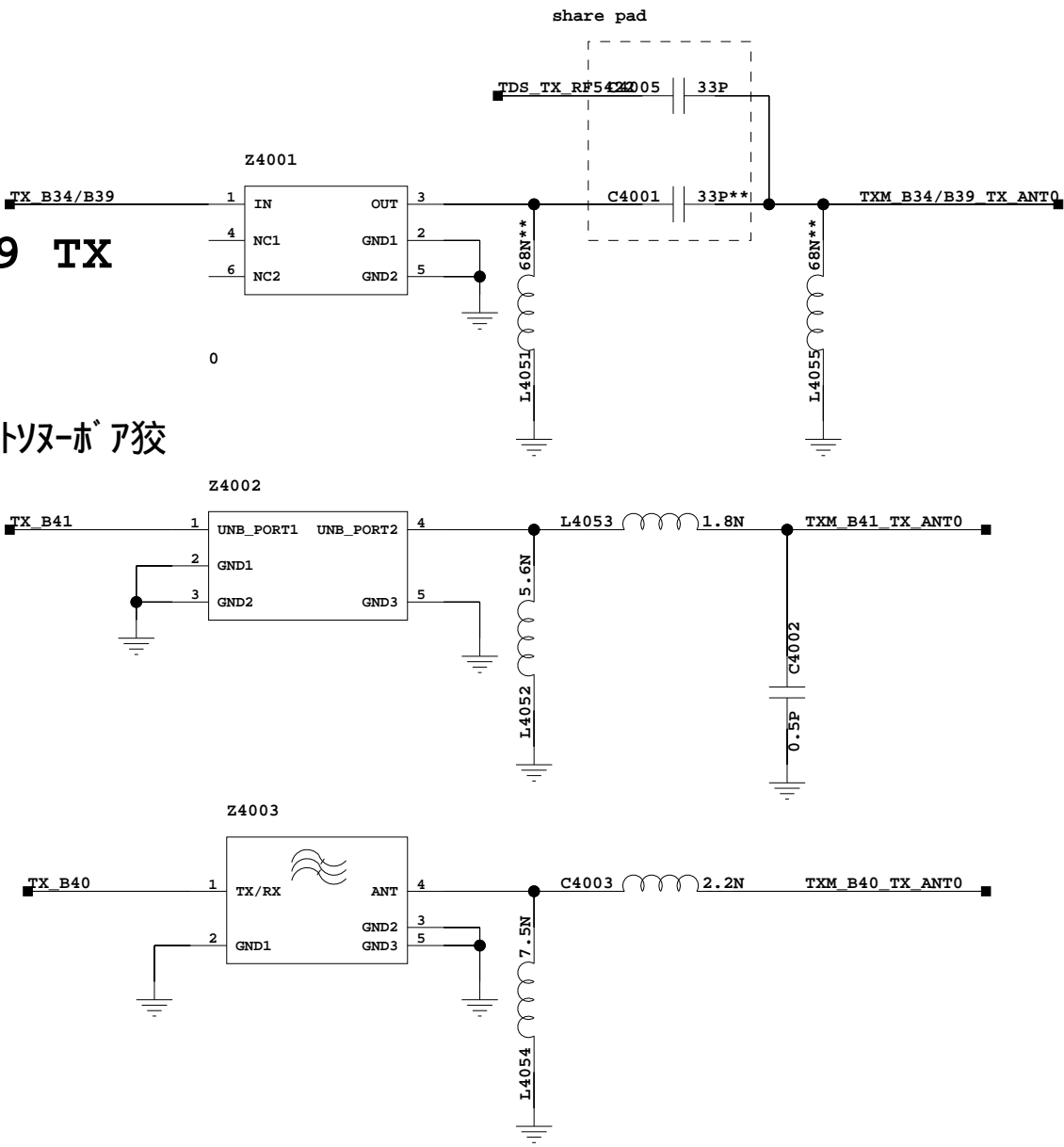
40\_TRX B34/39/40/41

B34/B39 TX

Z4002: secondsourcing 1109#簾-」ャトヌ-ホ`ア狡

B41 TX

B40 TX



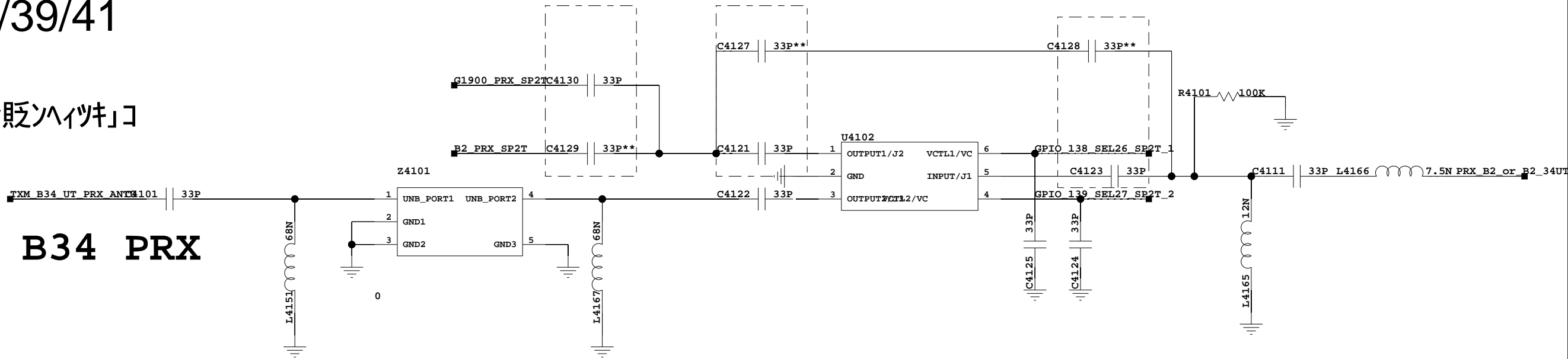
The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	40_TRX B34/B39/40/41
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

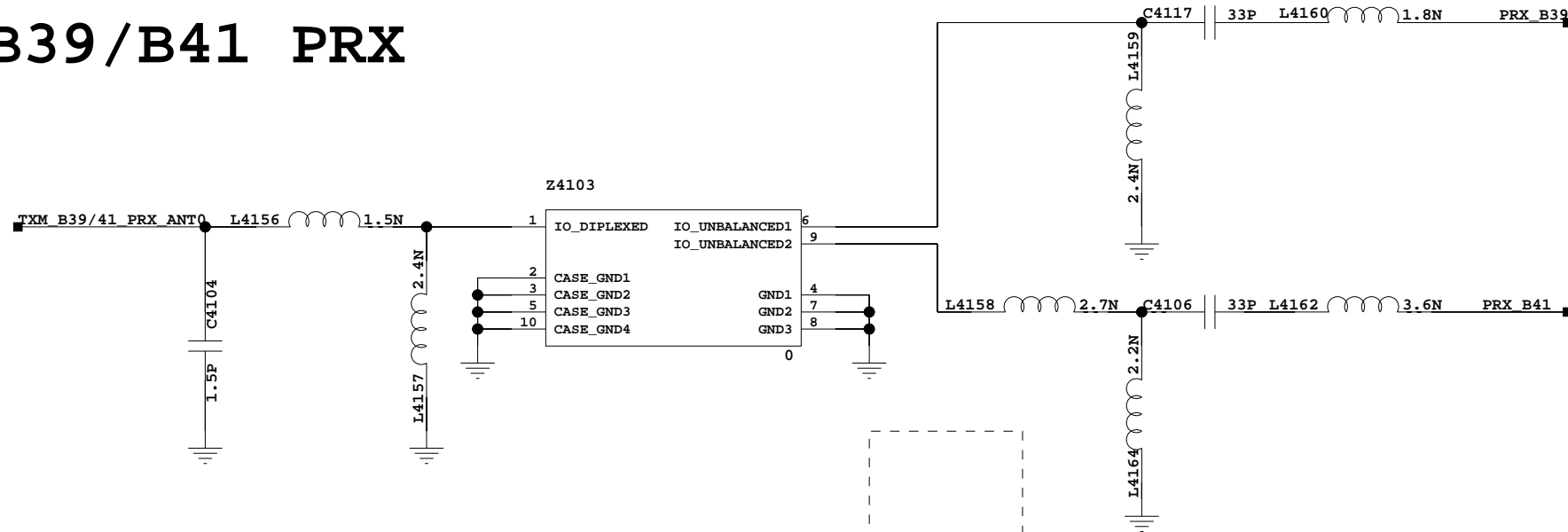
41\_PRX B34/39/41

B34\_UTシブソハイツ「コ

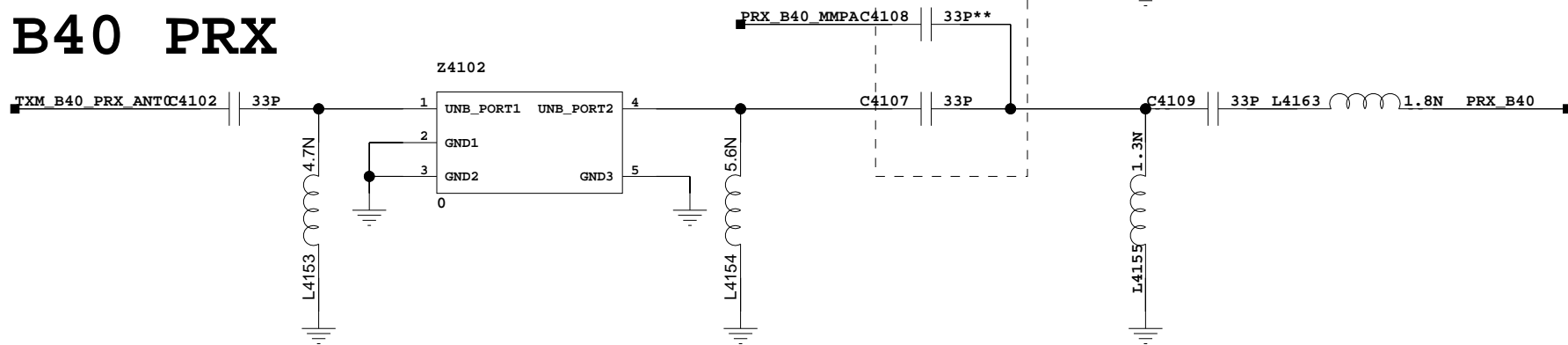
B34 PRX



B39/B41 PRX



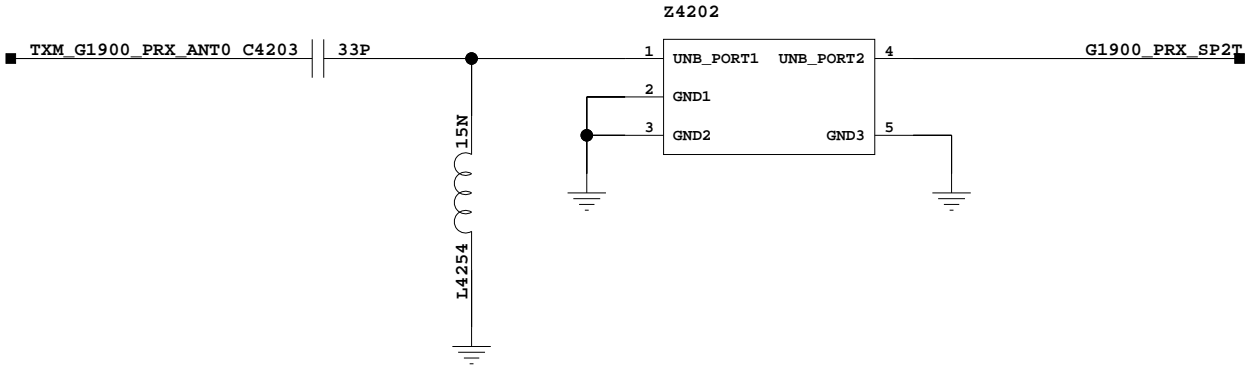
B40 PRX



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		<b>Mobile1Tech.com</b>	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	41_PRX B34/39/41
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

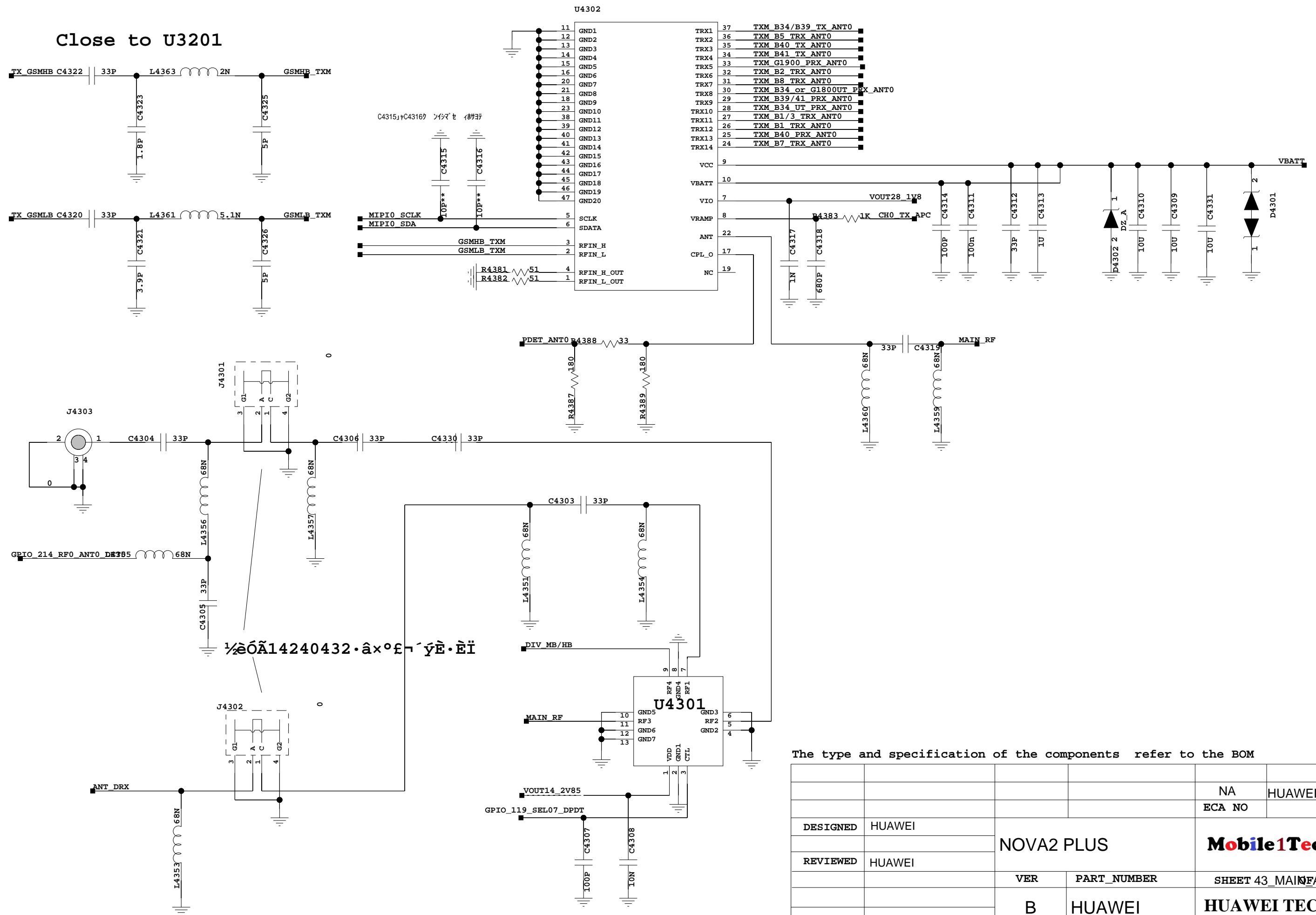
42\_PRX\_G1900



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	42_PRX_G1900
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

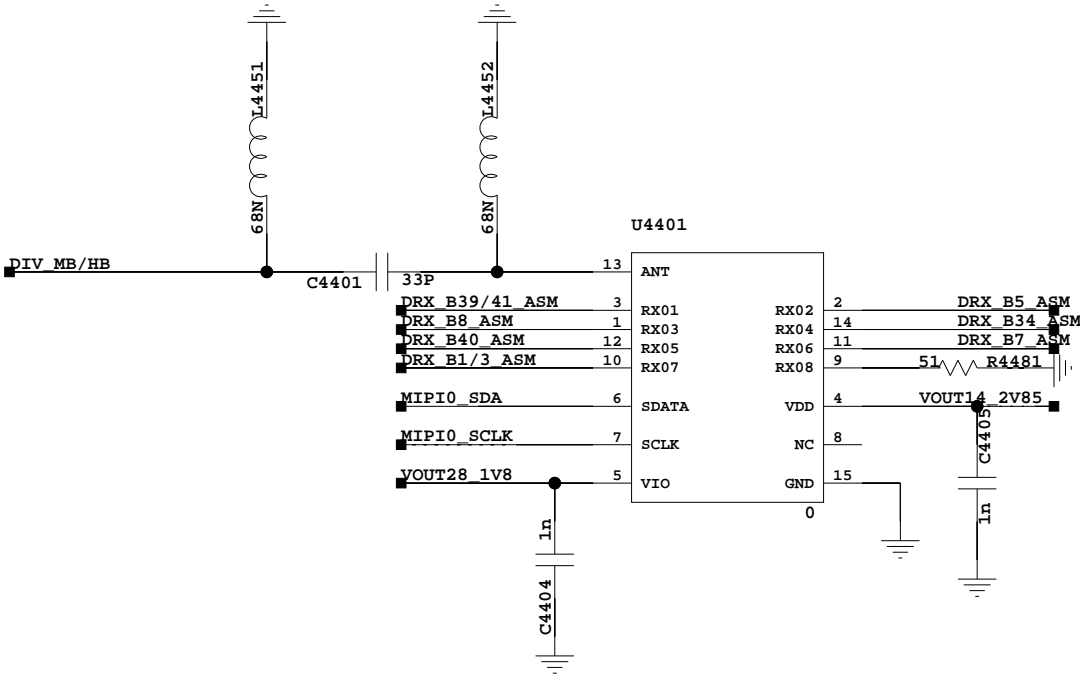
## 43\_MAIN\_ANT0\_SWITCH



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		<b>Mobile1Tech.com</b> SHEET 43_MAIN INFANT SWITCH	
REVIEWED	HUAWEI				
		VER	PART_NUMBER		
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

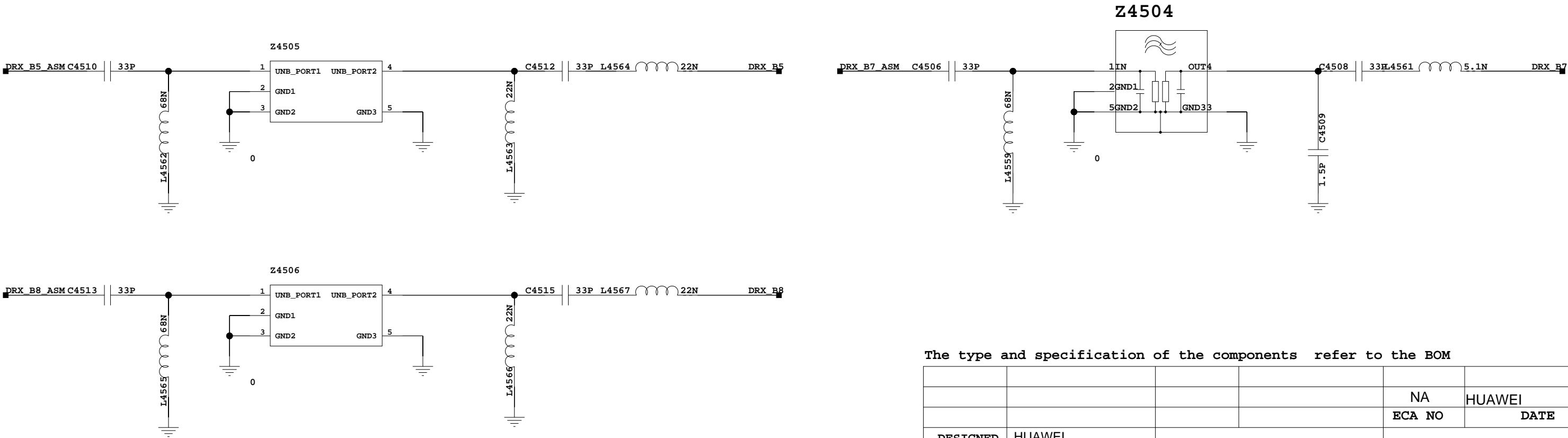
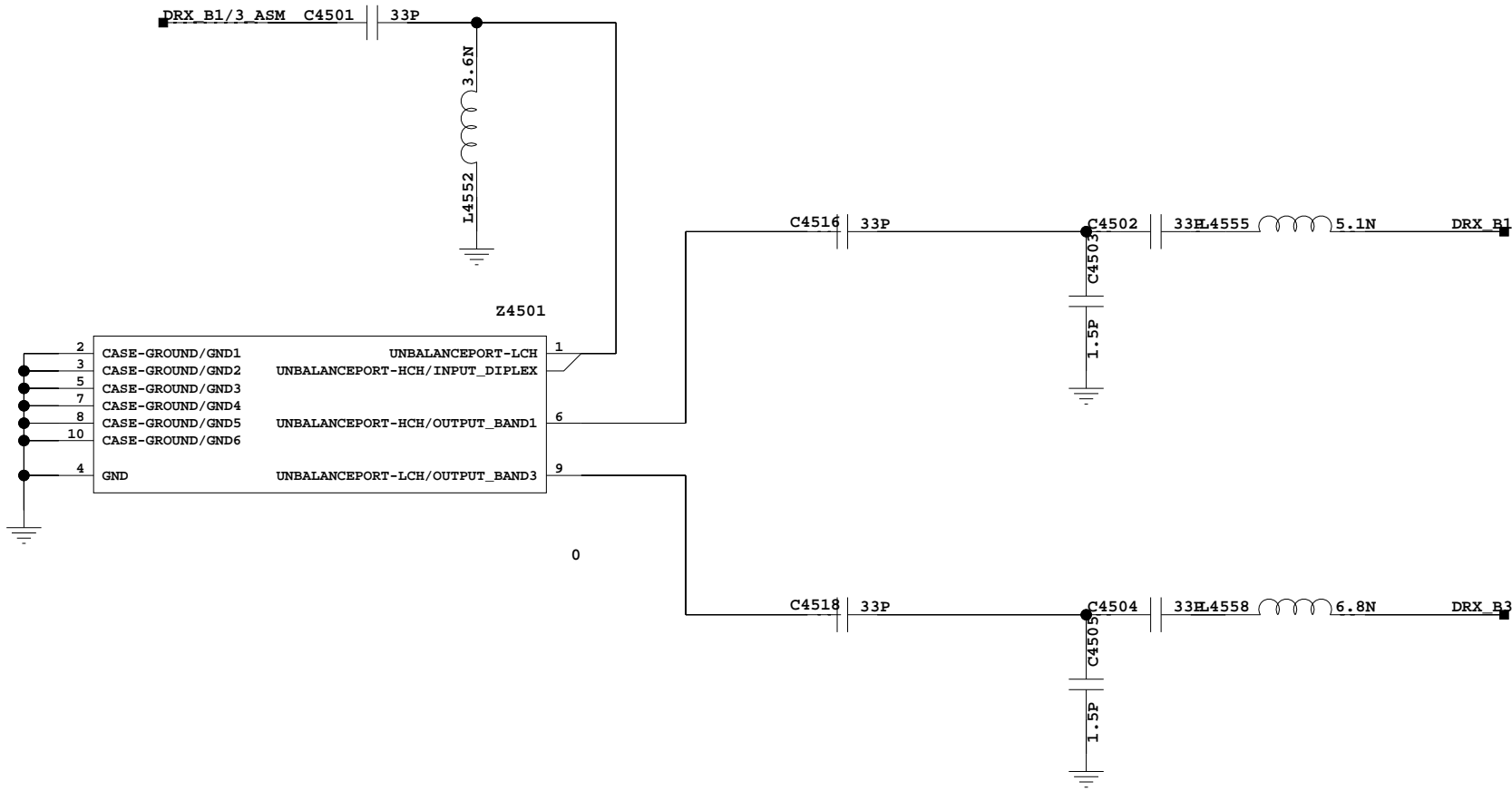
44\_DIV\_ANT1\_SWITCH



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 44_DIV_ANT1_SWITCH	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

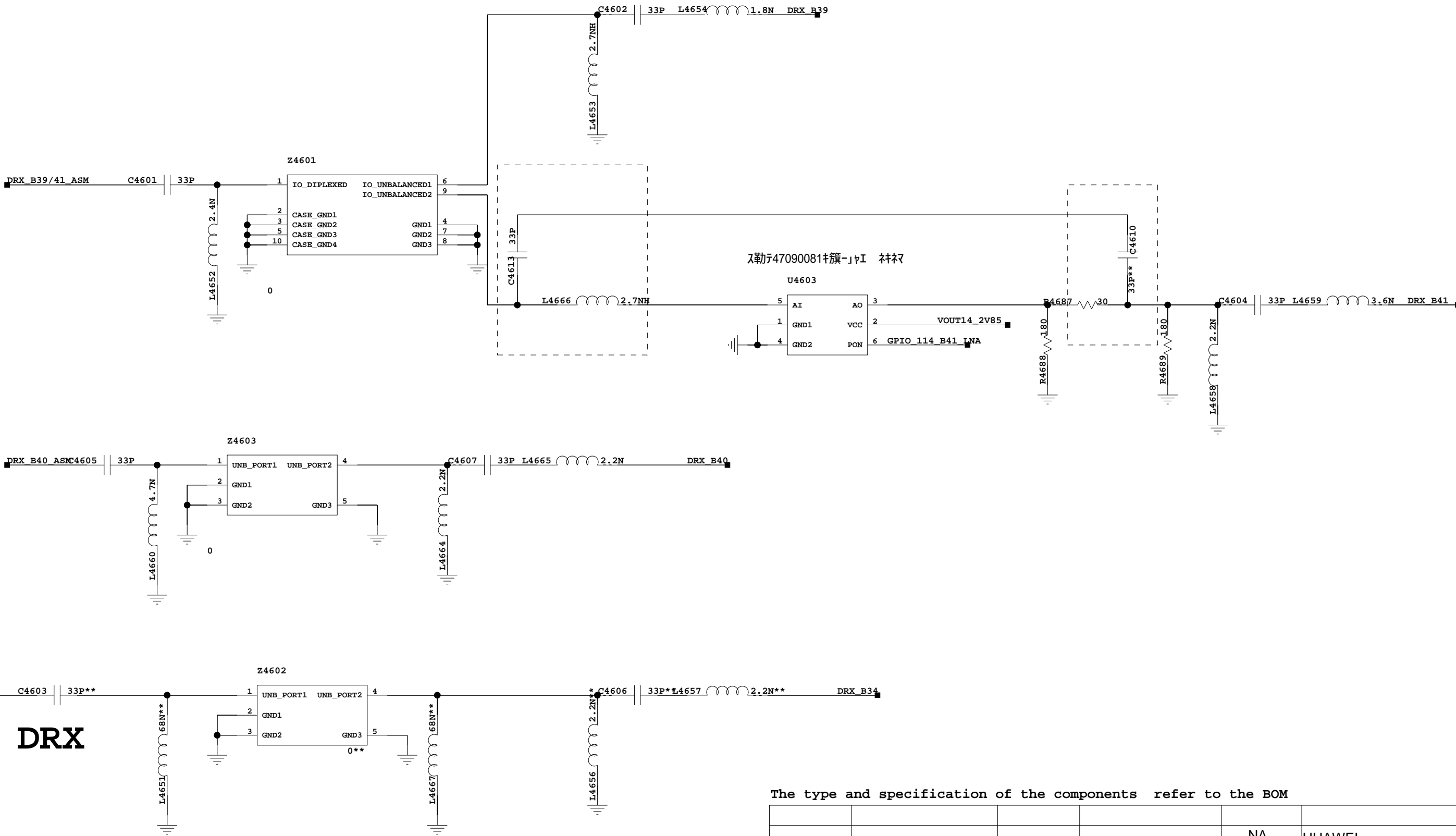
45\_DRX B1/3/5/7/8



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 45_DRX B1/3/5/7/8_1	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

46\_DRX B39/40/41



B34 DRX

The type and specification of the components refer to the BOM					
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	46_DRX B39/40/41
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

47\_Reserved

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	47_Reserved
		B	HUAWEI	HUAWEI TECH CO.,LTD.	



48\_Reserved

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	48_Reserved
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

49\_Reserved

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	49_Reserved
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

50\_Reserved

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		HUAWEI	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	50_Reserved
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

51\_Reserved

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	51_Reserved
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

[illegible][illegible]

A

B

C

D

1

2

3

4

5

6

52\_HI1102 POWER

VDD\_PMU\_1P4  
VDD\_PMU\_CLDO1  
  
VDD\_PMU\_RFLDO1  
VDD\_CMU\_LDO\_TCXO  
  
VDD\_PMU\_RFLDO1

P13  
E18 G12 K9 N6  
M1 L4  
A10 B11 C5221 1u  
A7  
N18 M17  
M13 N16 M15  
J16 K15 H15  
A16 R14 N12 C5226 1u  
C14  
B13 A12 C5227 1u  
R12 P15 D15  
D15 P11 C16  
K5 E2 F5  
A2 H3 NO 5G WIFI-->H3: NC  
F7 A4 A5 R10  
C5228 1u D5202 1 C5230 100 C5231 100 DZ\_A\*\* 1 D5201 2 C5232 100 C5233 4.7u C5234 1u C5235 1u C5236 100P C5237 100P C5238 1u C5229 1u C5246 1u C5239 100n C5242 220n\*\* C5243 1u C5244 220n

VBAT\_SYS  
VOUT2\_1V8  
VOUT2\_1V8  
VBAT\_SYS  
VDD\_PMU\_RFLDO1  
VDD\_PMU\_RFLDO1  
VDD\_PMU\_PALDO  
VDD\_PMU\_RFLDO1  
VDD\_PMU\_RFLDO1  
VDD\_PMU\_PALDO  
VDD\_PMU\_RFLDO1  
VDD\_PMU\_RFLDO1  
VDD\_PMU\_RFLDO2  
VOUT2\_1V8

C5245 3.9P  
C5220 4.7u  
C5223 1u  
C5225 47P  
R5220 10

VDD\_BUCK\_1P4  
VDD\_CLDO1\_1  
VDD\_CLDO1\_2  
VDD\_CLDO1\_3  
VDD\_CLDO1\_4  
VDD\_CMU\_1P2  
VDD\_CMU\_LDO\_TCXO  
VDD\_FM\_RF\_RX\_1P2  
VDD\_GF\_RF\_PLL\_VCO\_1P2  
VDD\_GNSS\_RF\_RX\_1P2  
VDD\_NFC\_PMU\_SE1  
VDD\_NFC\_PMU\_SE2  
VDD\_NFC\_PMU\_SWIO0  
VDD\_NFC\_PMU\_SWIO1  
VDD\_NFC\_PMU\_SWIO2  
VDD\_NFC\_RF\_PA  
VDD\_NFC\_RF\_REC  
VDD\_NFC\_VBAT  
VDD\_PMU\_1P4  
VDD\_PMU\_CLDO1  
VDD\_PMU\_CLDO2  
VDD\_PMU\_PALDO  
VDD\_PMU\_RFLDO1  
VDD\_PMU\_RFLDO2  
VDD\_PMU\_SYSLDO  
VDD\_PMU\_VBAT2  
VDD\_PMU\_VDDIO  
VDD\_PMU\_VDDIO2  
VDD\_PMU\_VPH  
VDD\_WB\_ADDA\_1P2  
VDD\_WB\_RF\_LNA\_1P2  
VDD\_WB\_RF\_LPF\_1P2  
VDD\_WB\_RF\_PA2G\_3P3\_1P4  
VDD\_WB\_RF\_PPA5G\_3P3  
VDD\_WB\_RF\_PLL\_1P2  
VDD\_WB\_RF\_UPC2G5G\_1P2  
VDD\_WB\_RF\_VCO\_LOGEN\_1P2  
VDDIO

U5201  
HI1102

PWR Interface 2 of 2

VSS\_CMU  
VSS\_FM\_RF\_RX  
VSS\_GF\_ADC  
VSS\_GF\_RF\_FMLQ\_VCO  
VSS\_GF\_RF\_GR  
VSS\_GF\_RF\_PLL  
VSS\_GLOBAL\_RF1  
VSS\_GLOBAL\_RF2  
VSS\_GLOBAL\_RF3  
VSS\_GLOBAL1  
VSS\_GLOBAL2  
VSS\_GLOBAL3  
VSS\_GLOBAL4  
VSS\_GLOBAL5  
VSS\_GNSS\_RF\_RX  
VSS\_IR  
VSS\_NFC\_RF\_ANA1  
VSS\_NFC\_RF\_ANA2  
VSS\_NFC\_RF\_GR  
VSS\_NFC\_RF\_PA  
VSS\_PMU\_AGND1  
VSS\_PMU\_AGND2  
VSS\_PMU\_AGND3  
VSS\_PMU\_PGND  
VSS\_PMU\_PGND\_TEST  
VSS\_SR1  
VSS\_SR2  
VSS\_WB\_ABB\_ADC\_DAC  
VSS\_WB\_RF\_GR  
VSS\_WB\_RF\_LNA  
VSS\_WB\_RF\_MIX\_UPC2G  
VSS\_WB\_RF\_PA2G\_A  
VSS\_WB\_RF\_PA2G\_B  
VSS\_WB\_RF\_PA2G\_BL1  
VSS\_WB\_RF\_PA2G\_BL2  
VSS\_WB\_RF\_PLL  
VSS\_WB\_RF\_PPA5G  
VSS\_WB\_RF\_PPA5G\_BL  
VSS\_WB\_RF\_TRAP  
VSS\_WB\_RF\_TX5G\_MIXBUF  
VSS\_WB\_RF\_VCO\_LOGEN

K3 SG5201  
C10  
F13  
C12  
F11  
D11  
H7  
H9 J2  
E16 J12 L10 N4 N10  
C8 SG5202  
G16  
K13 L12  
H13 L16  
A14 M11 E14  
P17 R18  
A18 N2  
H5 G6 E4  
B5  
D3 B3  
B1 C2  
E8 F3  
G2 D5  
G4  
C6 SG5204

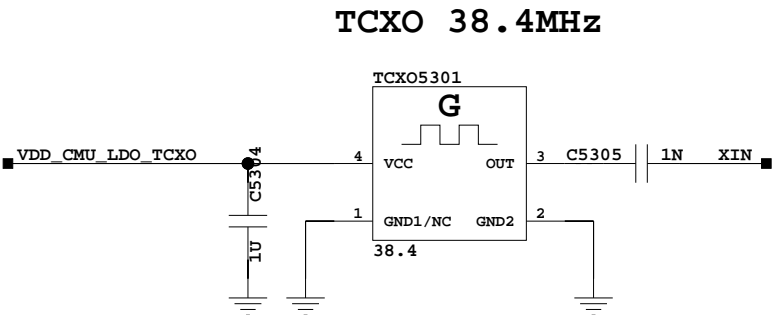
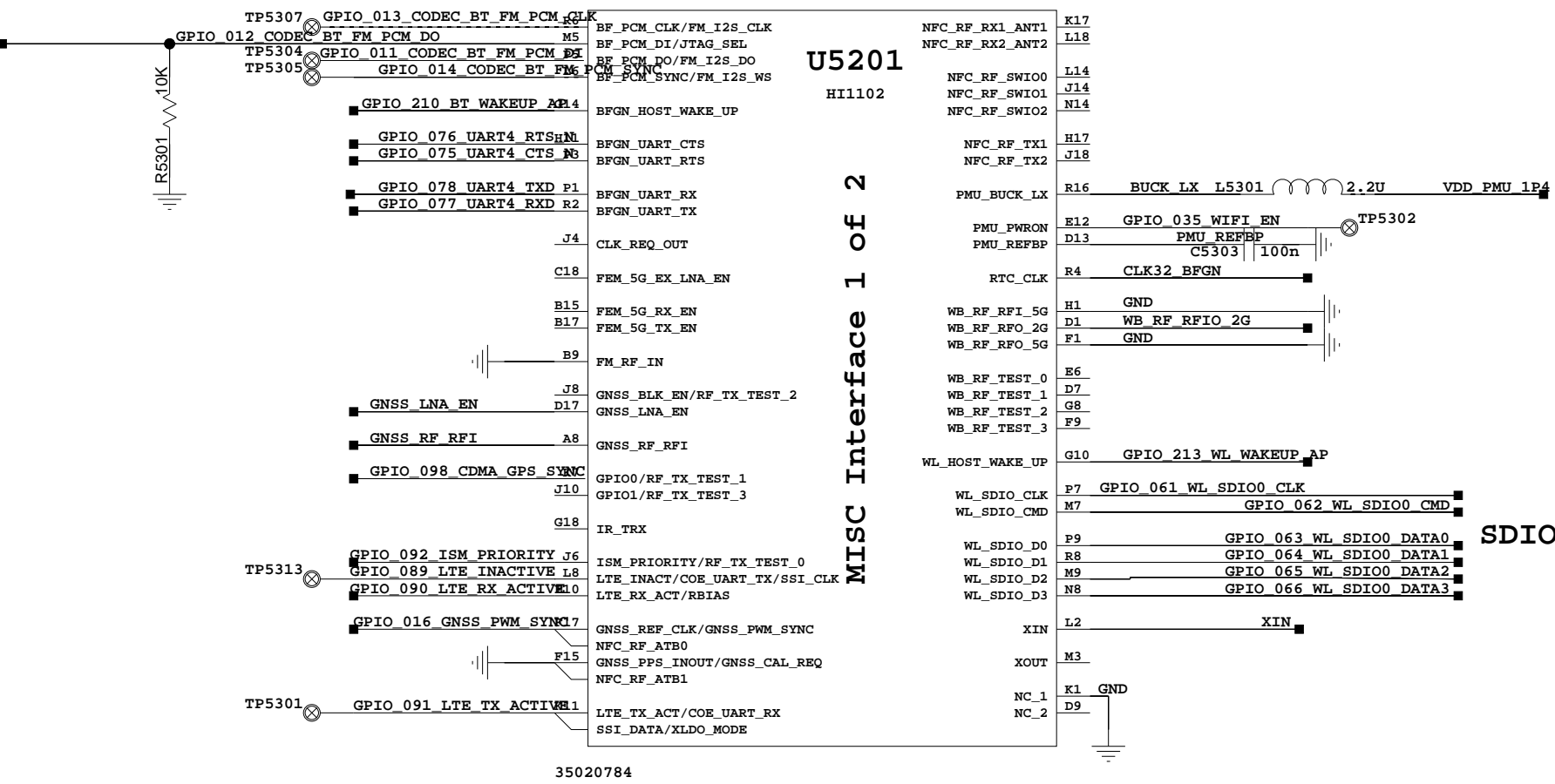
NO IR--> Delete SG5205  
  
Delete SG5203

The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET	52_HDF1025POWER_1
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

[illegible][illegible][illegible][illegible]

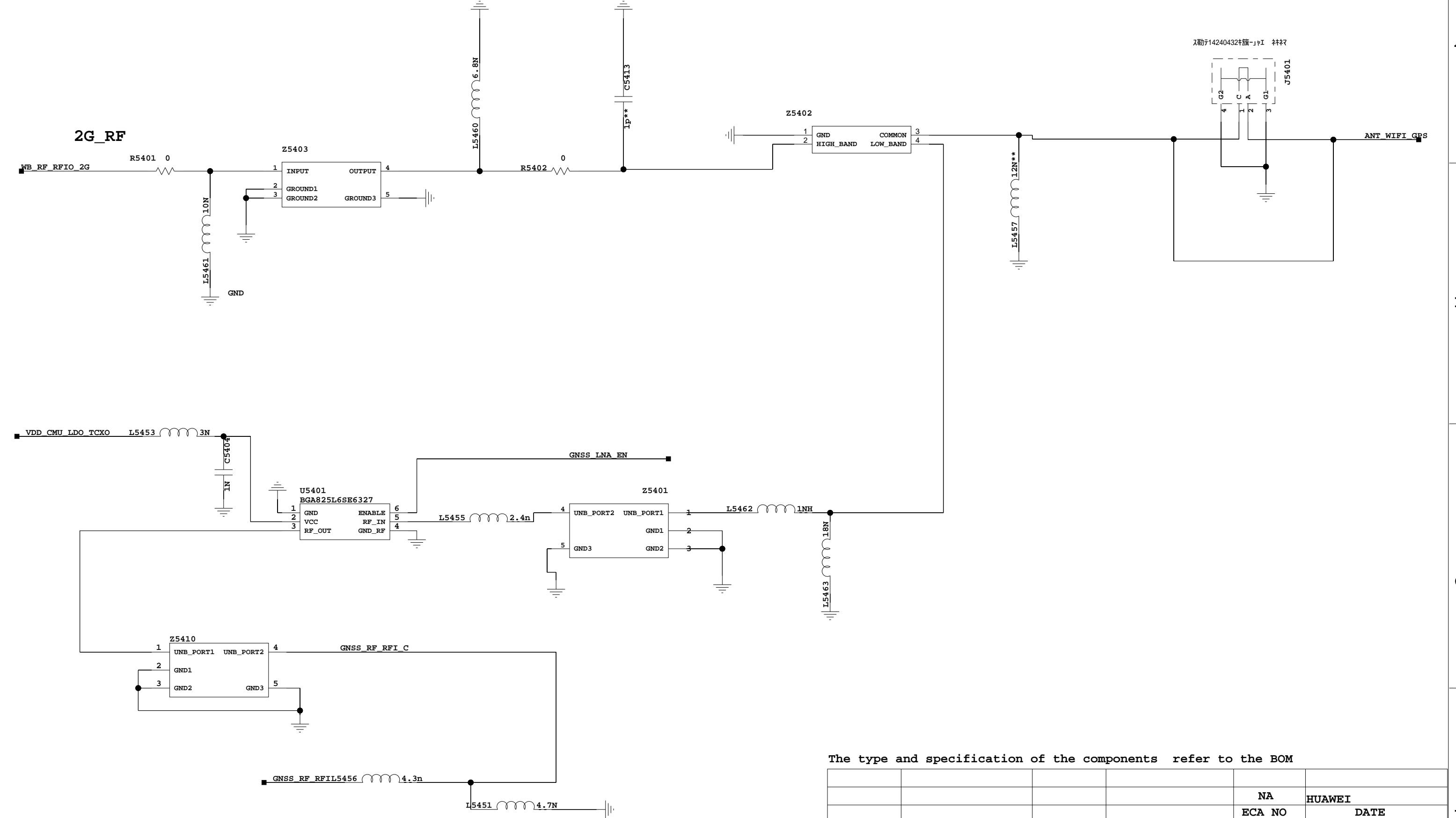
53 Hi1102\_BB



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 53_HDF1025BB_1	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

54 HI1102 RF



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		1 Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	54_HI1102_RF_FrontEnd_2GHz	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	

55 Hi1102\_RF\_FrontEnd\_5GHz

The type and specification of the components refer to the BOM

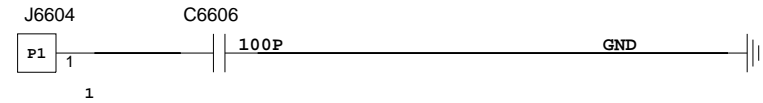
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		HUAWEI	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	55 Hi1102_RF_FrontEnd_5GHz	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	



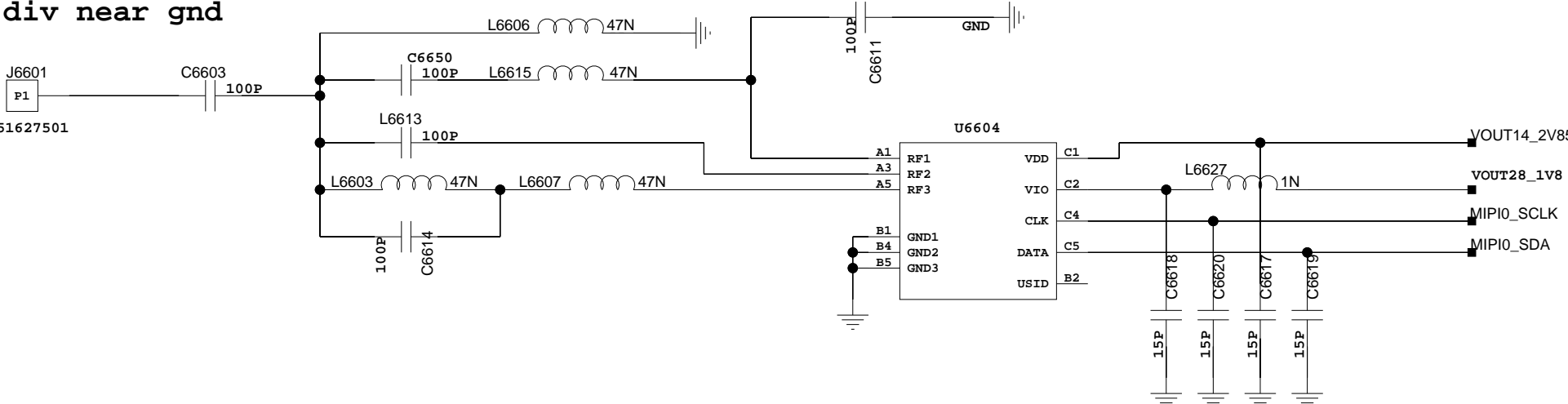
1	2	3	4	5	6
56.WLAN RF Power					
A					
B					
C					
D					
The type and specification of the components refer to the BOM					
				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		HUAWEI	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 56 Reserved	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	
1	2	3	4	5	6

57 ANT

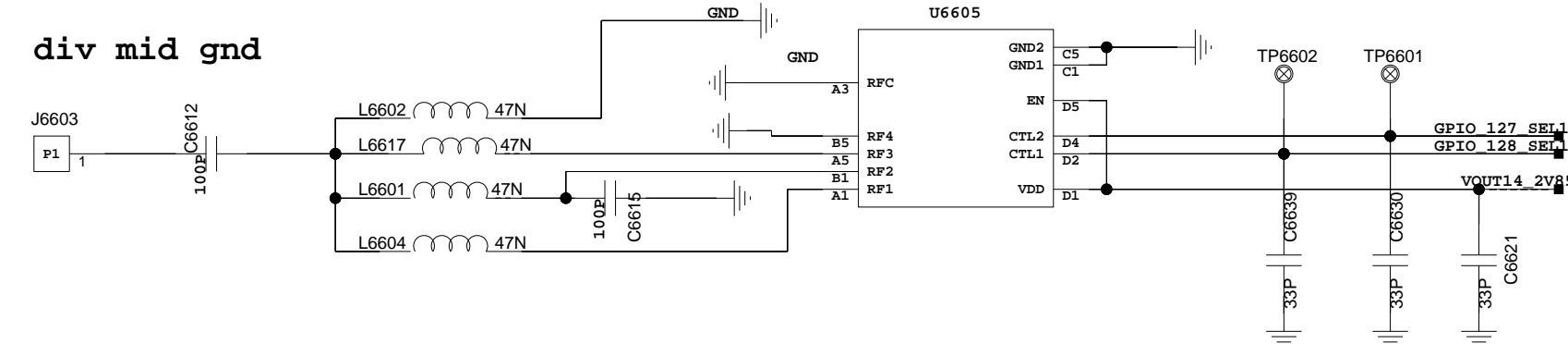
div far gnd



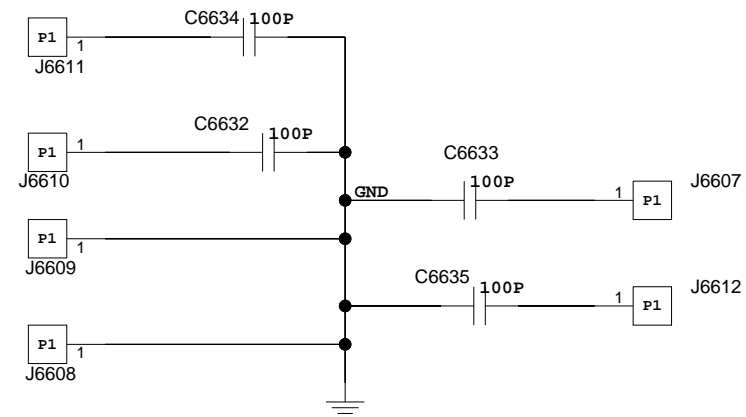
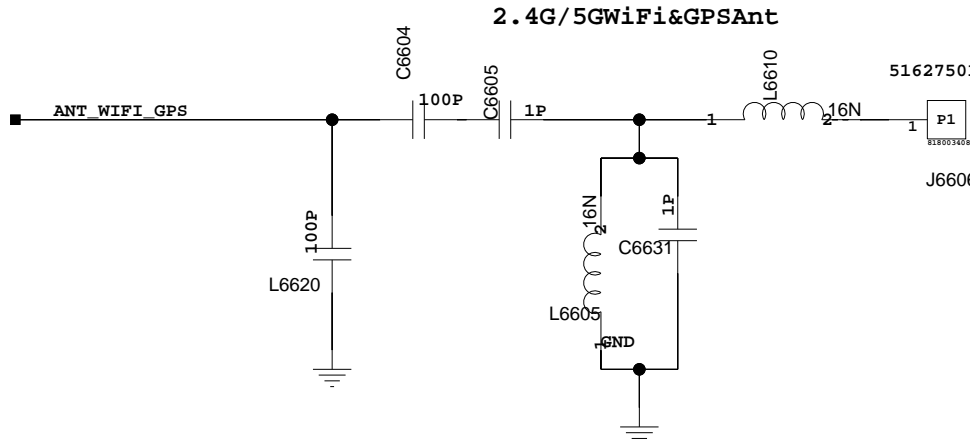
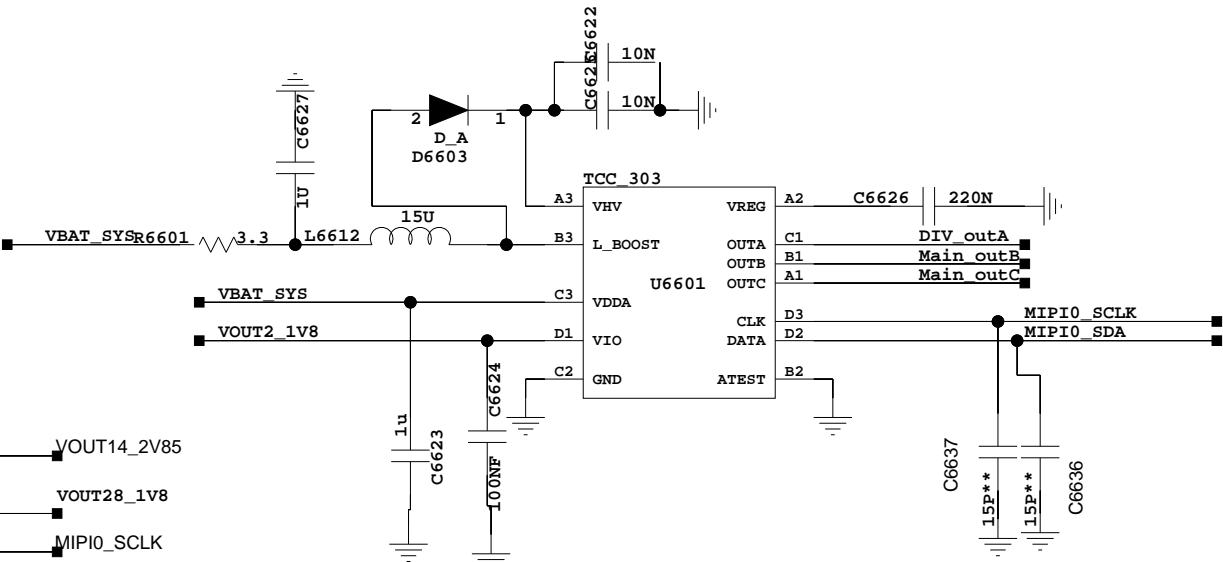
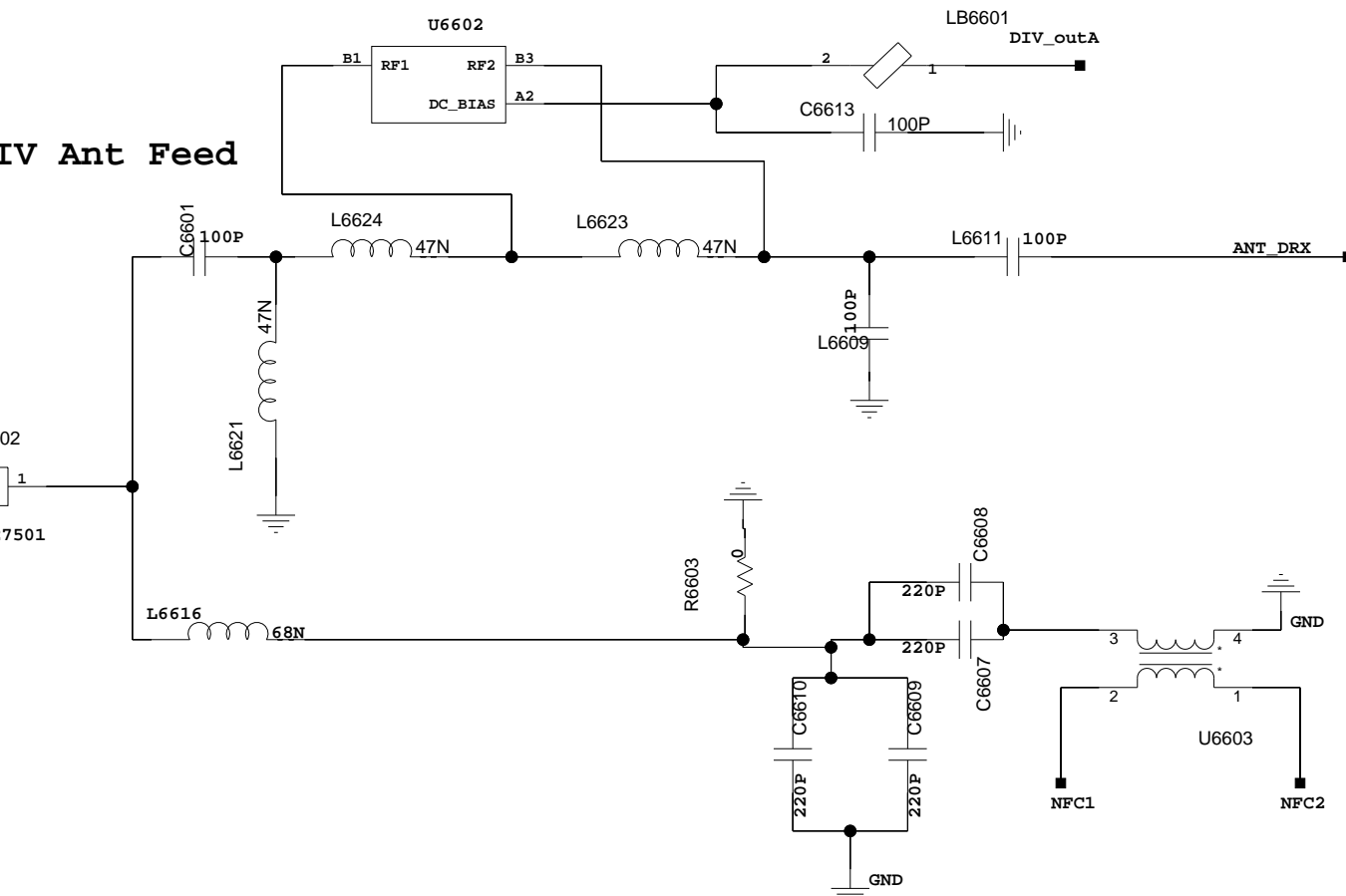
div near gnd



div mid gnd



DIV Ant Feed



The type and specification of the components refer to the BOM

				NA	HUAWEI
				ECA NO	DATE
DESIGNED	HUAWEI	NOVA2 PLUS		Mobile1Tech.com	
REVIEWED	HUAWEI				
		VER	PART_NUMBER	SHEET 57 ANT 57	
		B	HUAWEI	HUAWEI TECH CO.,LTD.	