

Baseband Schematic

- 1. Contents
- 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. Hi6421 LDO
- 11. Hi6421 BUCK & Hi6423
- 12. Hi6421 DIGITAL INTERFACE & BUCK BOOST
- 13. Hi6422
- 14. UFS and LPDDR4X
- 15. Battery & Fuel gauge
- 16. Charge Management
- 17. AMOLED LCD Interface
- 18. Direct Charge LoadSwitch
- 19. Flash LED
- 20. Camera
- 21. TYPE-C EARPHONE SW
- 22. Codec HI6403
- 23. MIC/VIB
- 24. Headphone
- 25. Audio
- 26. X-Sensor
- 27. IRDA Control
- 28. SIM Card
- 29. FPC Interface
- 30. Test Point/Shielding

MODEM Schematic

- 31. RF Interface
- 32. RF PMU
- 33. RF Transceiver_HI6363 _01
- 34. SKY78113_ULTRA2.5_LB
- 35. SKY78114_ULTRA2.5_MB
- 36. SKY78117_ULTRA2.5_HB
- 37. GPA
- 38. RF Front End Switch
- 39. PRX LNA-6H01
- 40. DRX MHB
- 41. DRX_LB
- 42. DRX LNA Band --6H02
- 43. DRX2 MIMO
- 44. DRX3 MIMO
- 45. RF Transceiver_HI6363 _02
- 46. B42/B46 TRX
- 47. B42 DRX
- 48. Reserved
- 49. Reserved
- 50. Reserved
- 51. WIFI BCM43596 BB
- 52. WIFI BCM43596 PWR
- 53. Reserved
- 54. WIFI RF0
- 55. WIFI RF1
- 56. GPS
- 57. NFC
- 58. ANT5/6/9 GPS/WIFI ANT
- 59. ANT3/4 DIV ANT /ANT FPC
- 60. Antenna Tunner

The type and specification of the components refer to the BOM

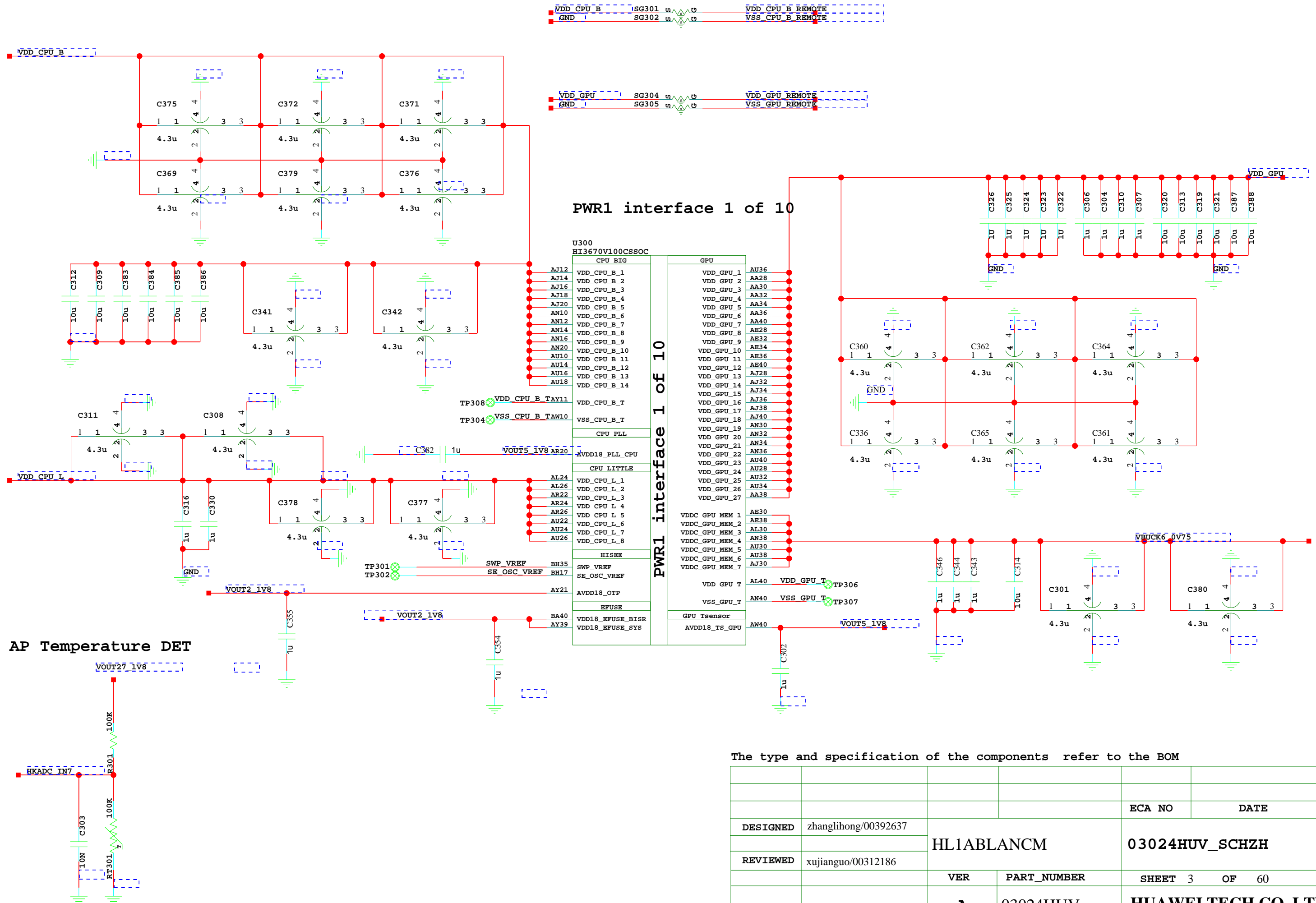
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 1 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

2. Block Diagramm

The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 2 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

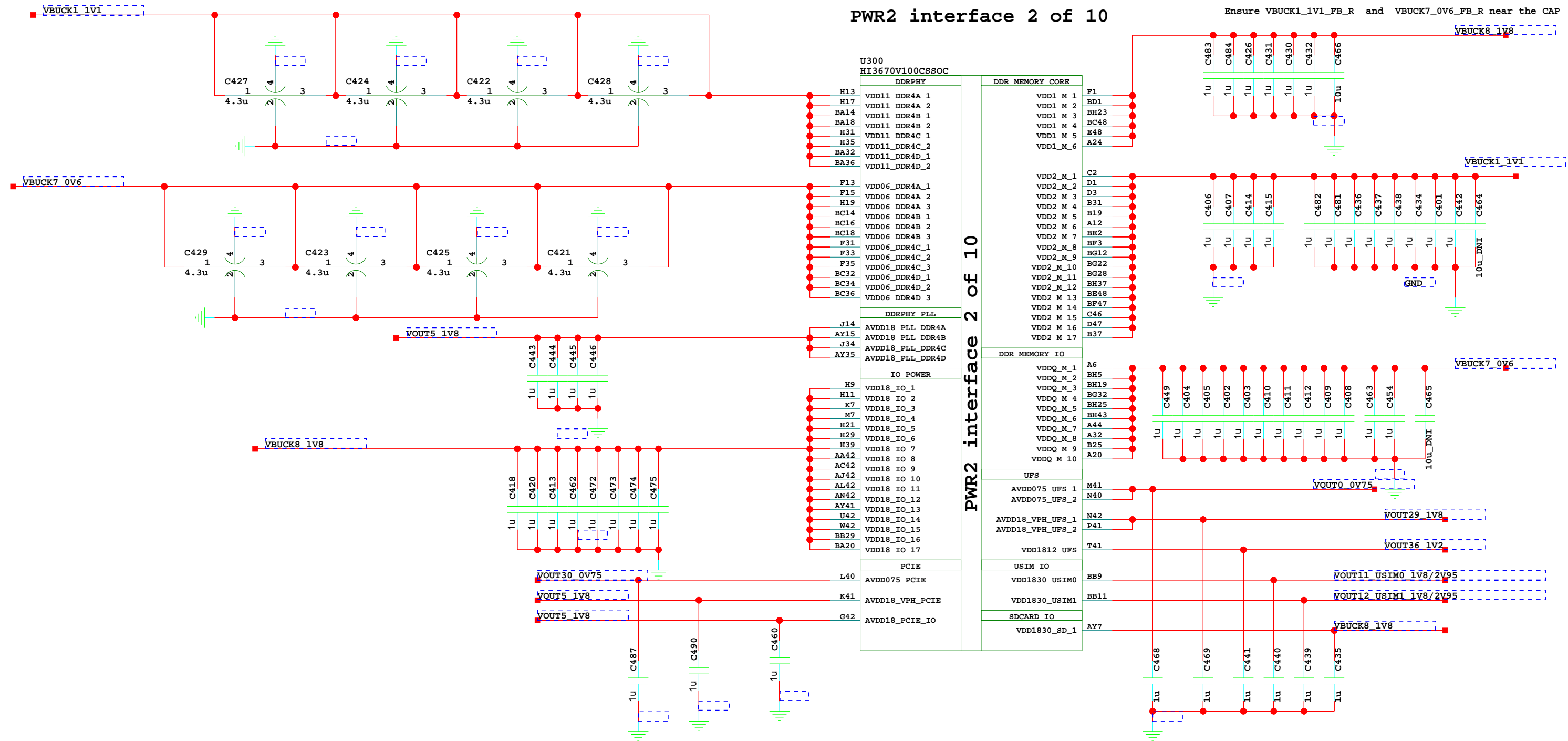
3. SOC PWR1



The type and specification of the components refer to the BOM

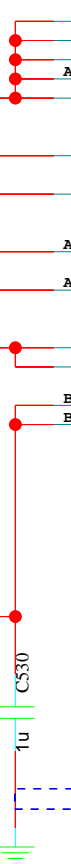
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 3	OF 60
		A	03024HUV	HUAWEI TECH CO.,LTD.	

4. SOC PWR2

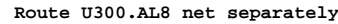


The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 4	OF 60
		A	03024HUV	HUAWEI TECH CO.,LTD.	

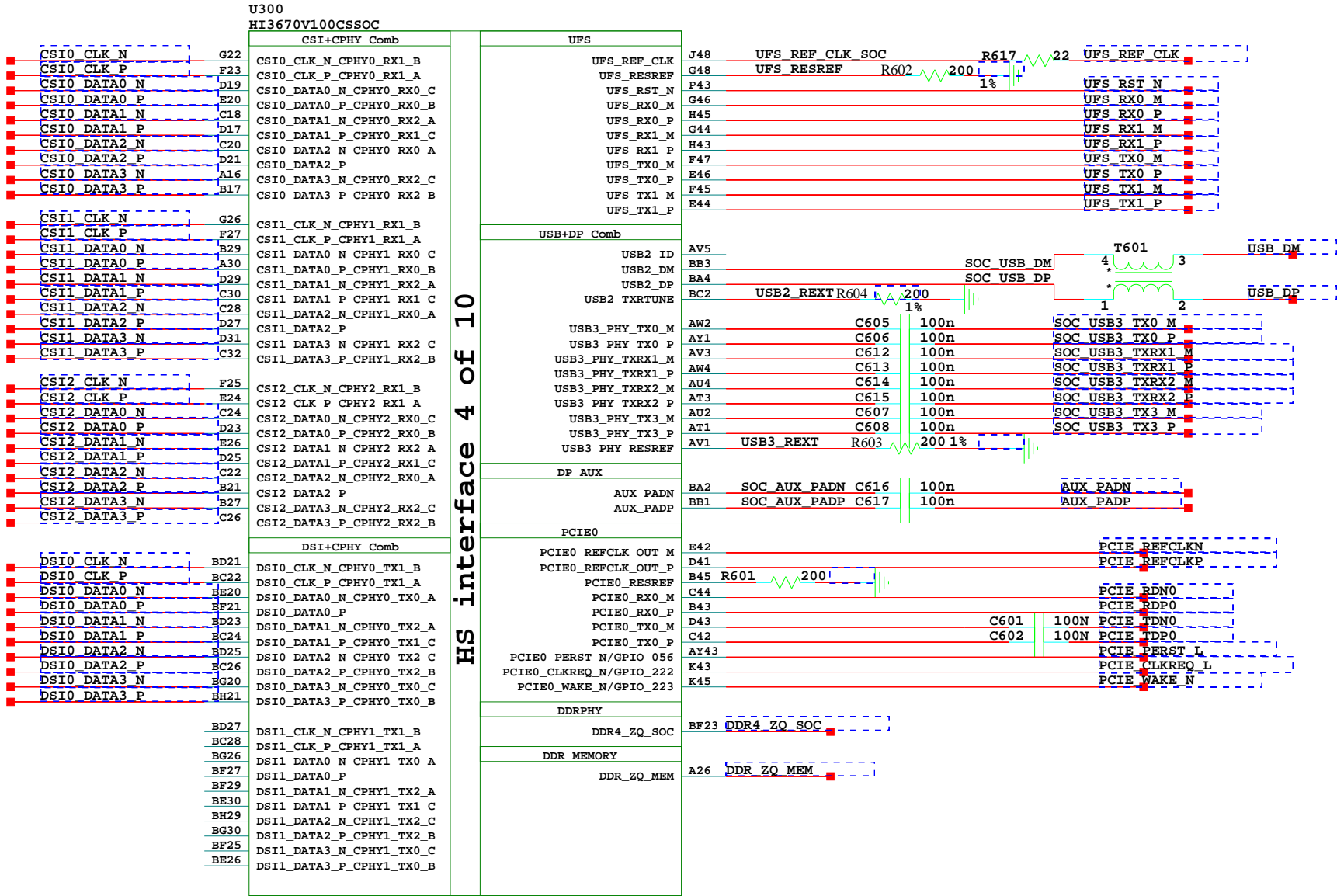


U300		HI3670V100CSSOC	
PERI CORE		MODEM	
VDD075_PERI_1		VDD075_MODEM_1	
VDD075_PERI_2		VDD075_MODEM_2	
VDD075_PERI_3		VDD075_MODEM_3	
VDD075_PERI_4		VDD075_MODEM_4	
VDD075_PERI_5		VDD075_MODEM_5	
VDD075_PERI_6		VDD075_MODEM_6	
VDD075_PERI_7		VDD075_MODEM_7	
VDD075_PERI_8		VDD075_MODEM_8	
VDD075_PERI_9		VDD075_MODEM_9	
VDD075_PERI_10		VDD075_MODEM_10	
VDD075_PERI_11		VDD075_MODEM_11	
VDD075_PERI_12		VDD075_MODEM_12	
VDD075_PERI_13		VDD075_MODEM_13	
VDD075_PERI_14		VDD075_MODEM_14	
VDD075_PERI_15		VDD075_MODEM_15	
VDD075_PERI_16		VDD075_MODEM_16	
VDD075_PERI_17		VDD075_MODEM_17	
VDD075_PERI_18		VDD075_MODEM_18	
VDD075_PERI_19		VDD075_MODEM_19	
VDD075_PERI_20		VDD075_MODEM_20	
VDD075_PERI_21		VDD075_MODEM_21	
VDD075_PERI_22		VDD075_MODEM_22	
VDD075_PERI_23		VDD075_MODEM_23	
VDD075_PERI_24		VDD075_MODEM_24	
VDD075_PERI_25		VDD075_MODEM_25	
VDD075_PERI_26		VDD075_MODEM_26	
VDD075_PERI_27			
VDD075_PERI_28		ABB	
VDD075_PERI_29		AVDD085_ABB_1	
VDD075_PERI_30		AVDD085_ABB_2	
VDD075_PERI_31		AVDD085_ABB_3	
VDD075_PERI_32		AVDD085_ABB_4	
VDD075_PERI_33		AVDD085_ABB_5	
VDD075_PERI_34		AVDD085_ABB_6	
VDD075_PERI_35		AVDD085_ABB_7	
VDD075_PERI_36		AVDD085_ABB_8	
VDD075_PERI_37			
VDD075_PERI_38		AVDD18_ABB_1	
VDD075_PERI_39		AVDD18_ABB_2	
VDD075_PERI_40		AVDD18_ABB_3	
VDD075_PERI_41		AVDD18_ABB_4	
VDD075_PERI_42		AVDD18_ABB_5	
		AVDD18_ABB_6	
		AVDD18_ABB_7	
		AVDD18_REF_ABB	
DDR CORE		USB+DP	
VDD075_PERI_43		AVDD075_USB_DP_1	
VDD075_PERI_44		AVDD075_USB_DP_2	
VDD075_PERI_45		DVDD075_USB	
VDD075_PERI_46			
VDD075_PERI_47		AVDD18_USB_DP_1	
VDD075_PERI_48		AVDD18_USB_DP_2	
VDD075_PERI_49		AVDD18_USB_DP_3	
VDD075_PERI_50			
PERI(FIXED CORE)		AVDD33_USB	
VDD075_PERI_FIX_1			
VDD075_PERI_FIX_2			
VDD075_PERI_FIX_3			
VDD075_PERI_FIX_4			
VDD075_PERI_FIX_5			
PERI_FIX_PLL		SYS CORE	
AVDD075_PLL_FIX		VDD075_SYS_1	
		VDD075_SYS_2	
		VDD075_SYS_3	
		VDD075_SYS_4	
		VDD075_SYS_5	
		VDD075_SYS_6	
		VDD075_SYS_7	
		VDD075_SYS_8	
PERI_FIX_PLL		SYS_PLL	
AVDD075_PLL_PERI		AVDD075_PLL_SYS	
MIPPI		AVDD18_PLL_SYS	
AVDD18_CSI_1			
AVDD18_CSI_2			
		PI Monitor	
		PI_VREF	
AVDD18_DSI_1			
AVDD18_DSI_2			



				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET	5 OF 60
		A	03024HUV	HUAWEI TECH CO.,LTD.	

6.SOC HS INTERFACE



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 6 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

7.SOC GPIO INTERFACE1

A

B

C

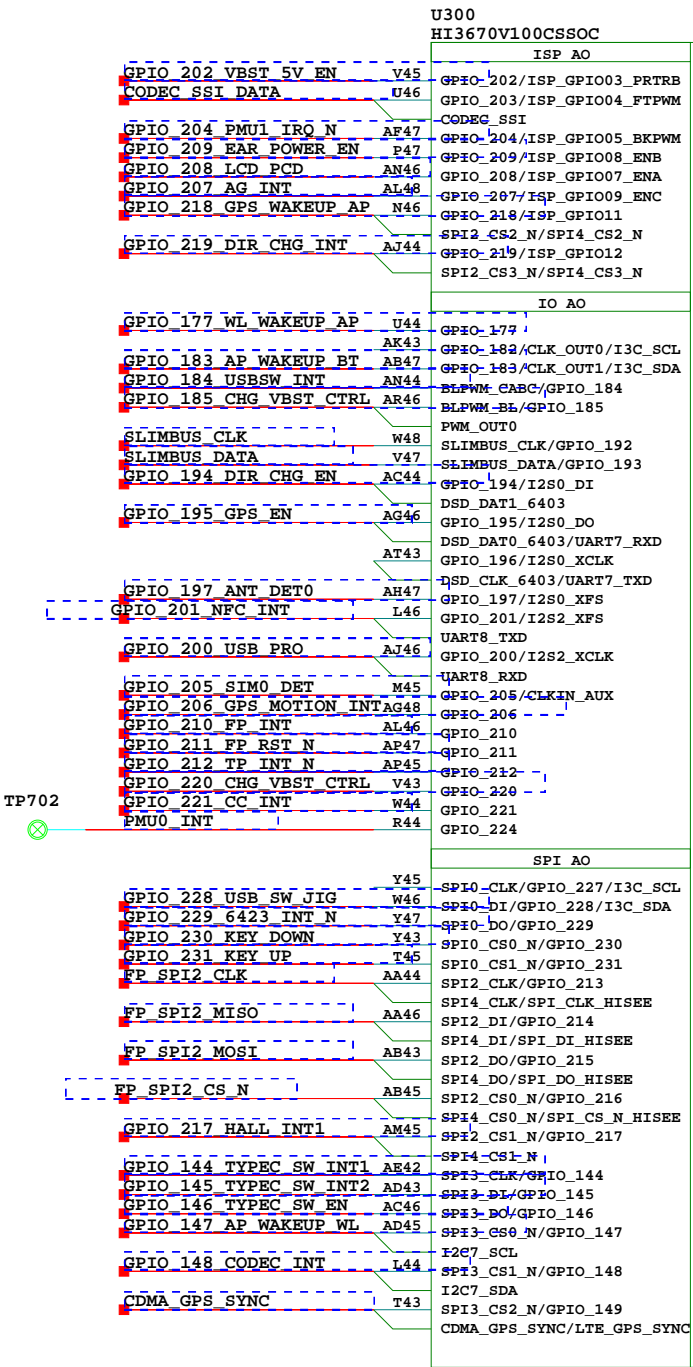
D

A

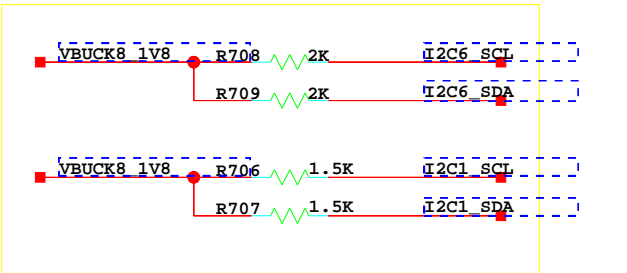
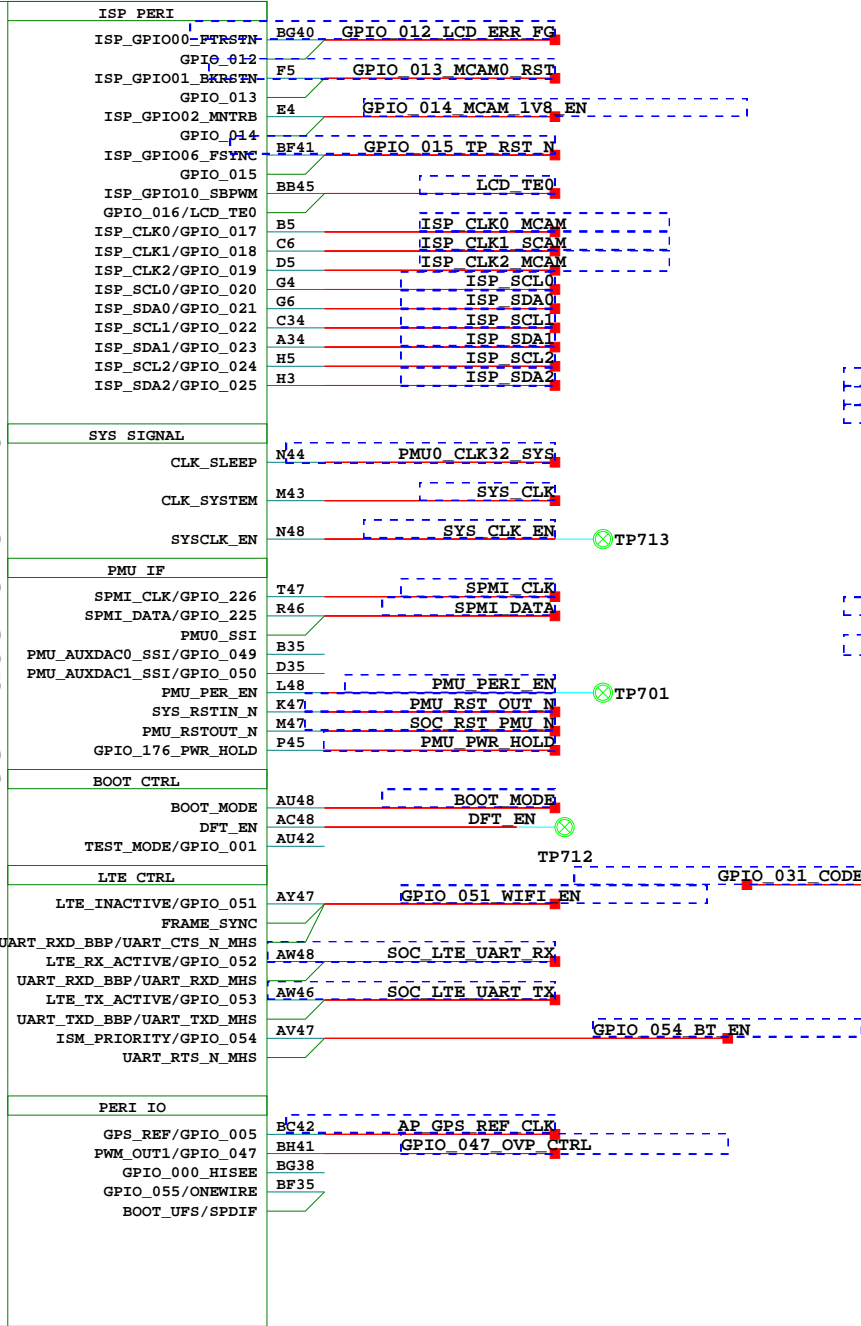
B

C

D



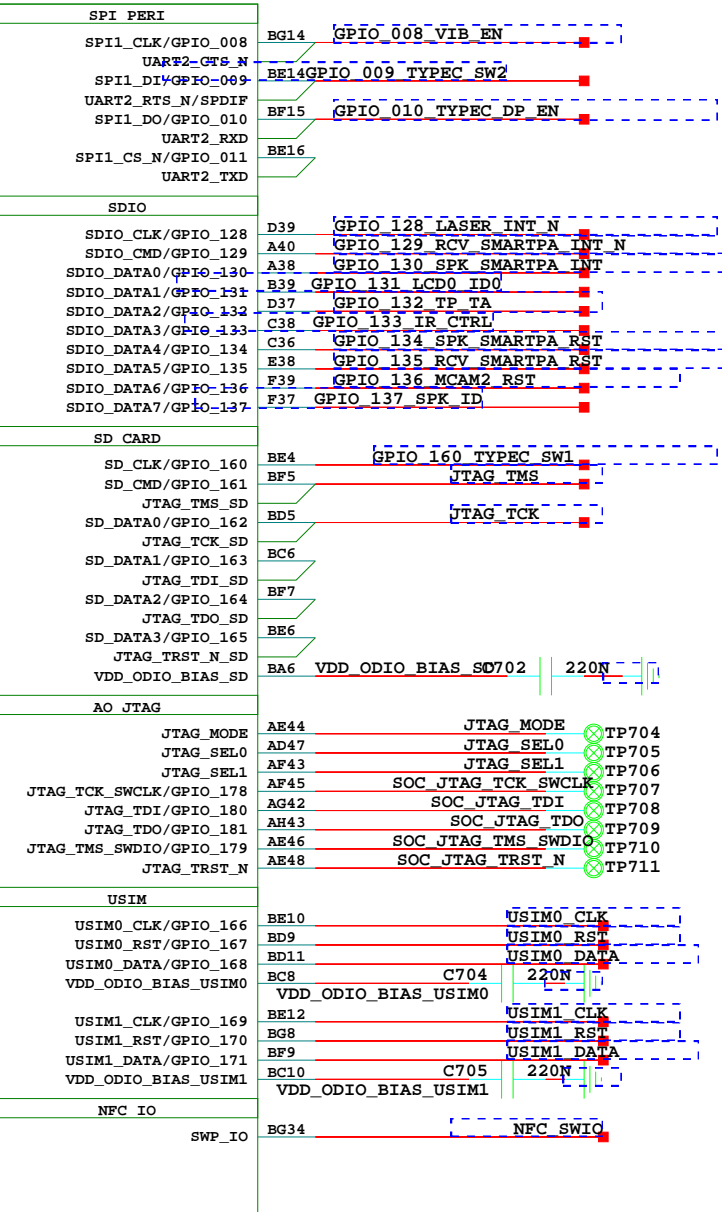
DS1 interface 5 of 10



I2C For Charger Circuits pulled to BUCK8



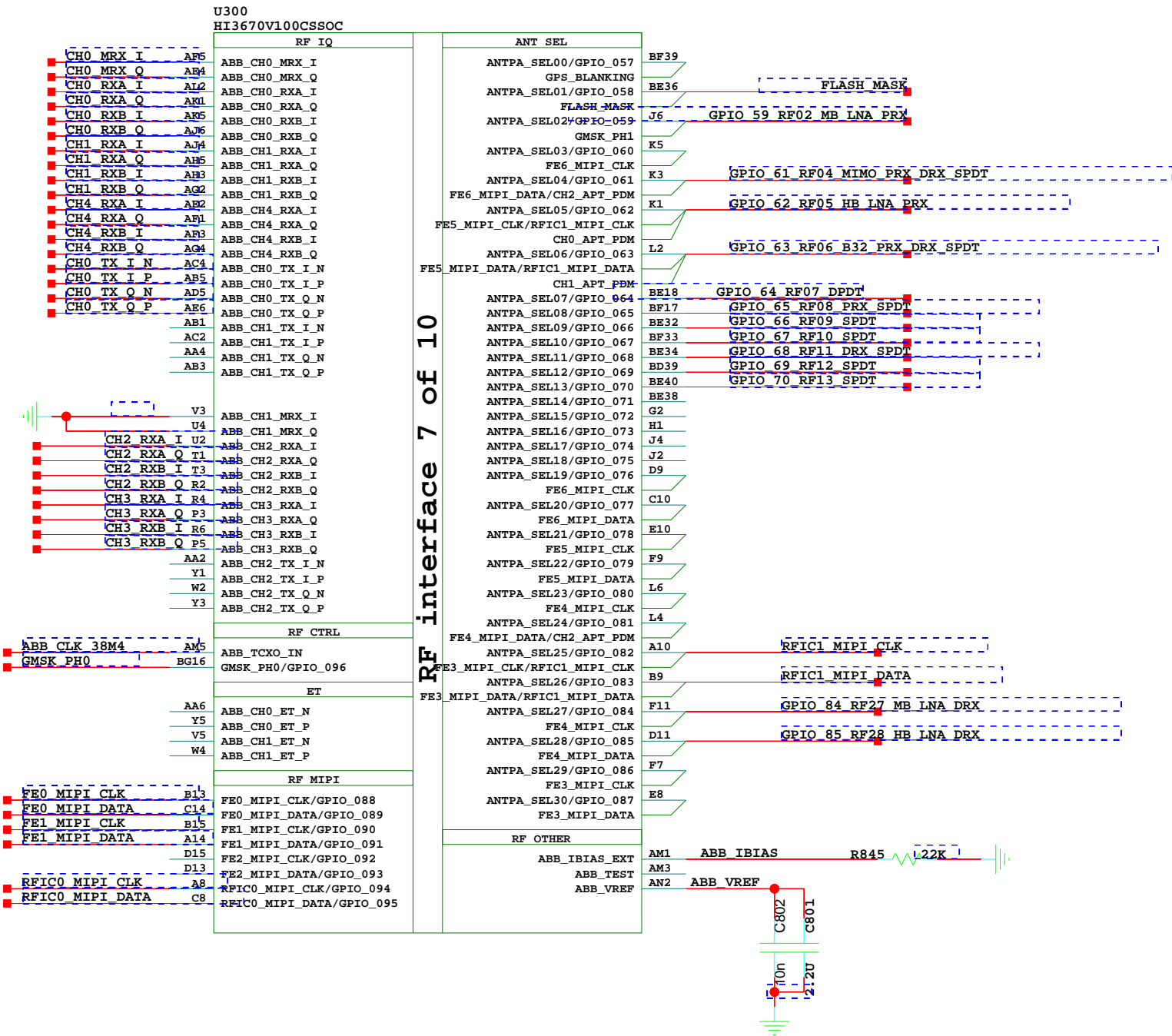
DS2 interface 6 of 10



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 7 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

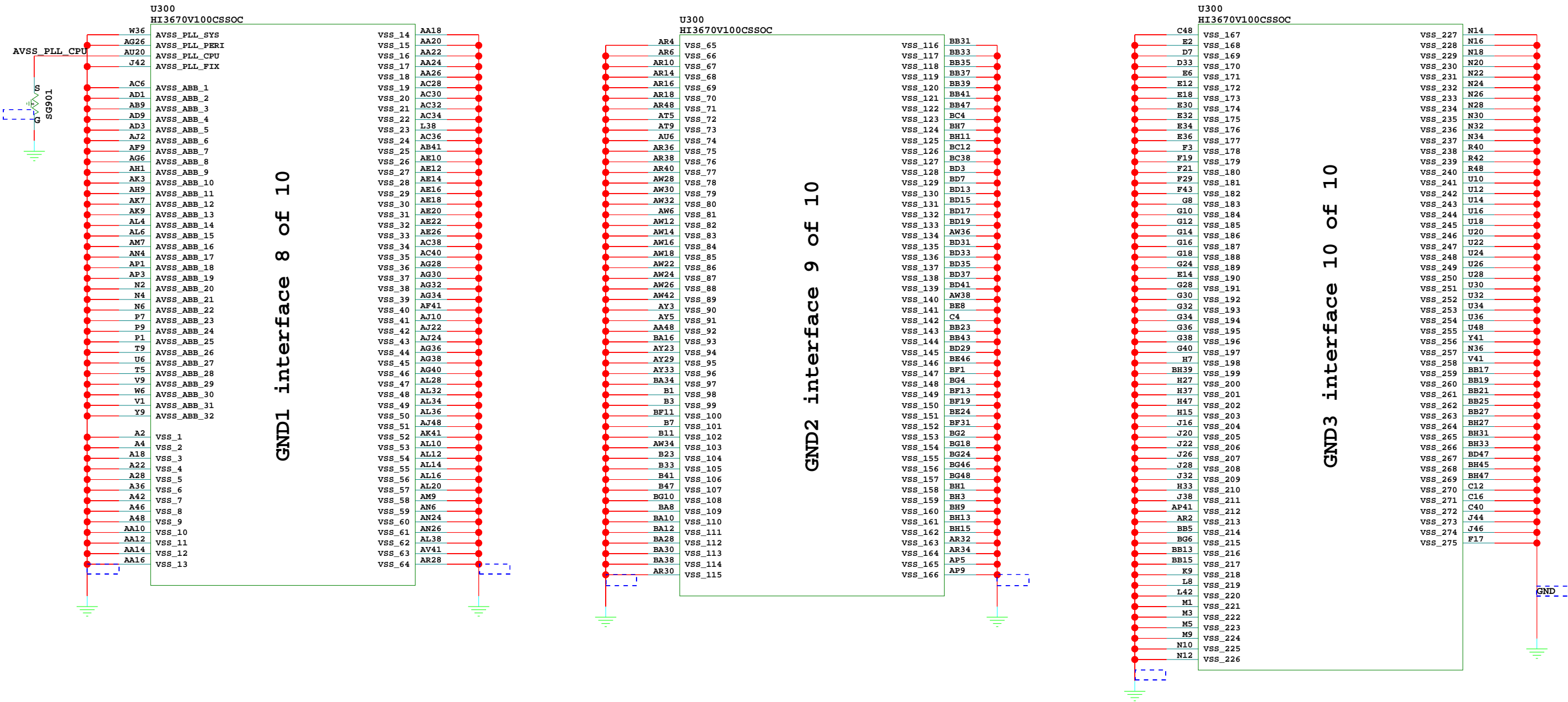
8. SOC RF INTERFACE



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 8	OF 60
		A	03024HUV	HUAWEI TECH CO.,LTD.	

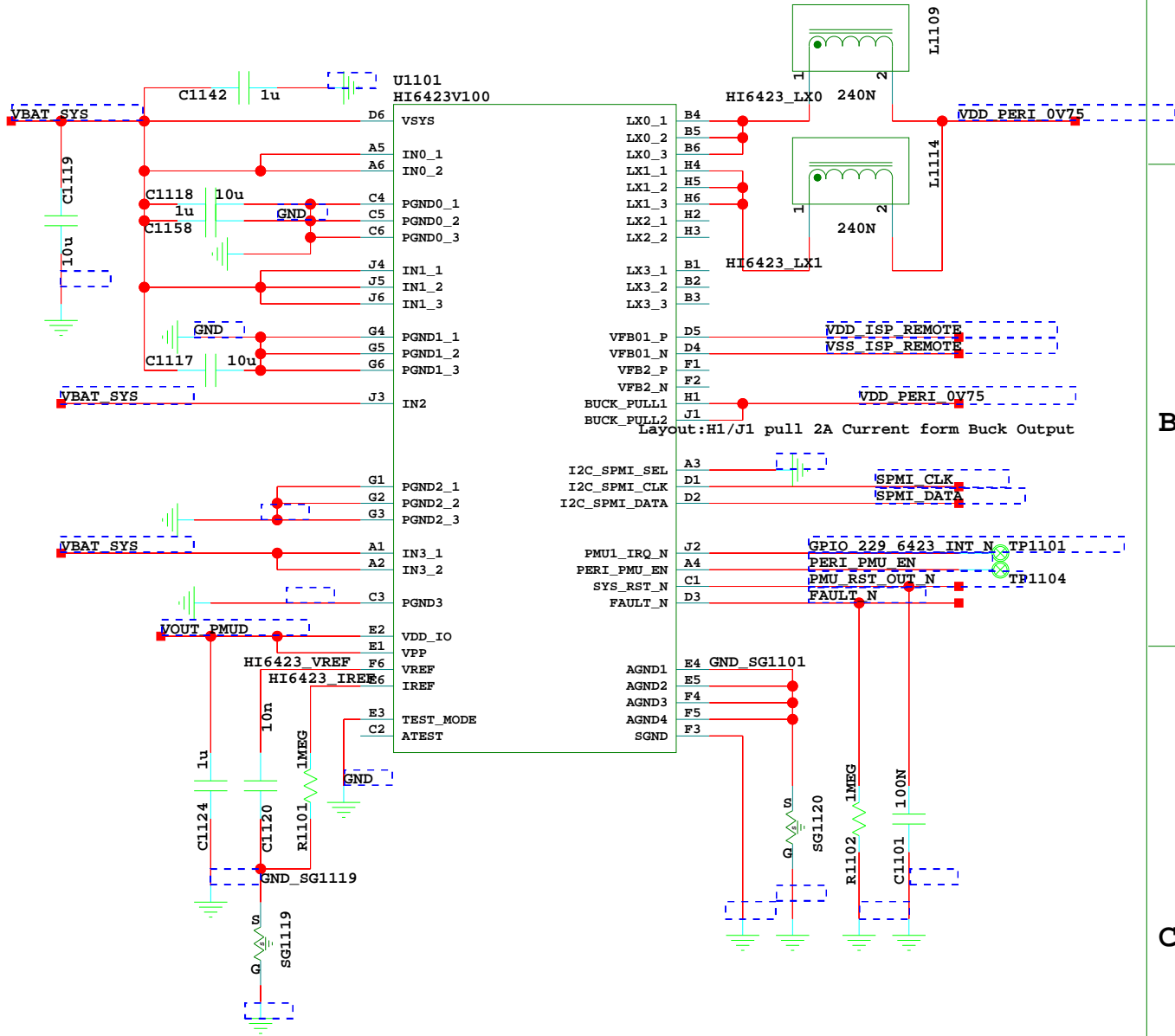
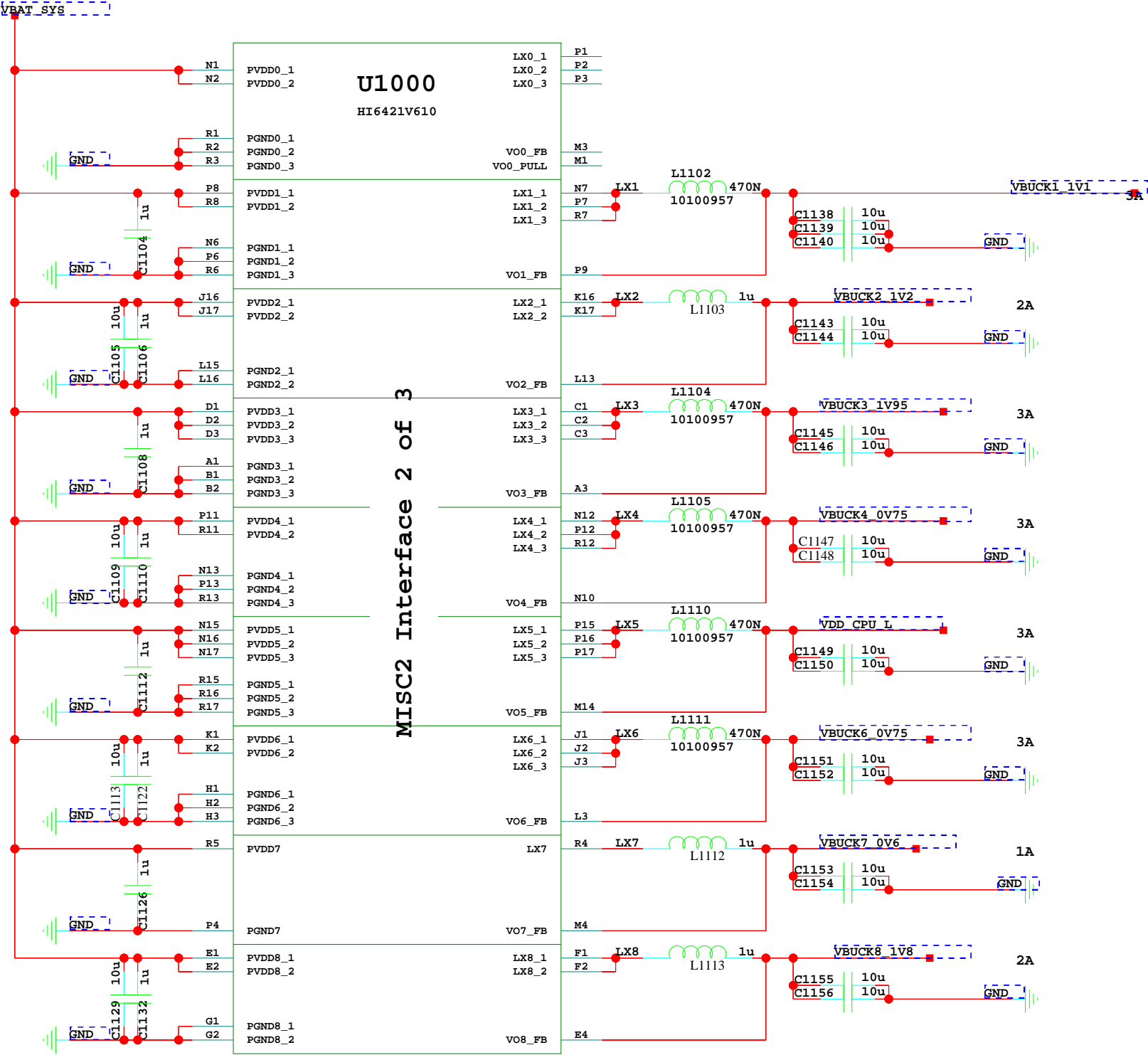
9. SOC GND



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 9 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

11. Hi6421 BUCK & Hi6423

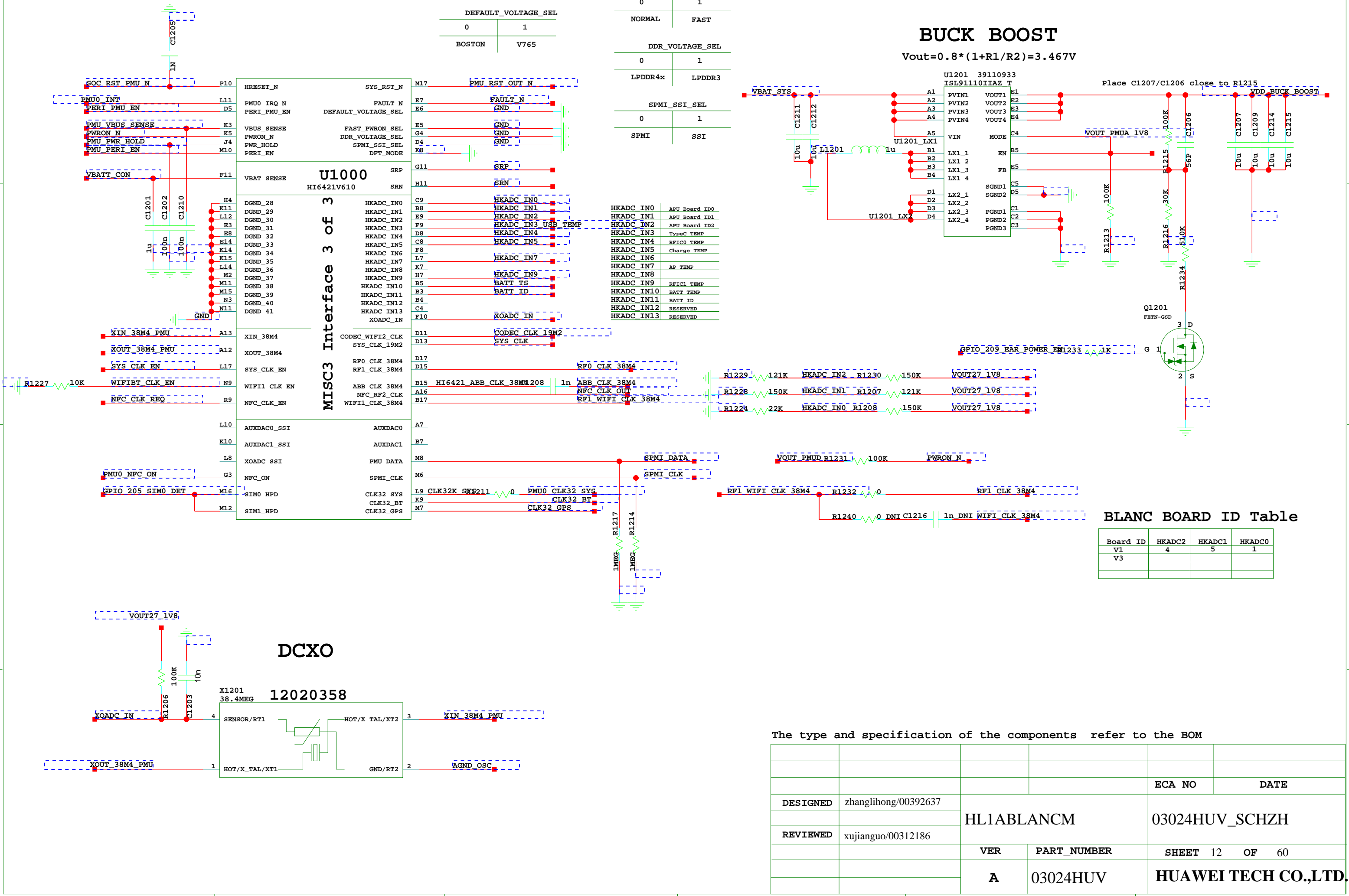


The Hi6421' PGND0-7 should be connected to GND through single GND, and the capacitors' GND of LX1-8 should be connected to PGND, if being connected to GND directly is not proper.

The type and specification of the components refer to the BOM

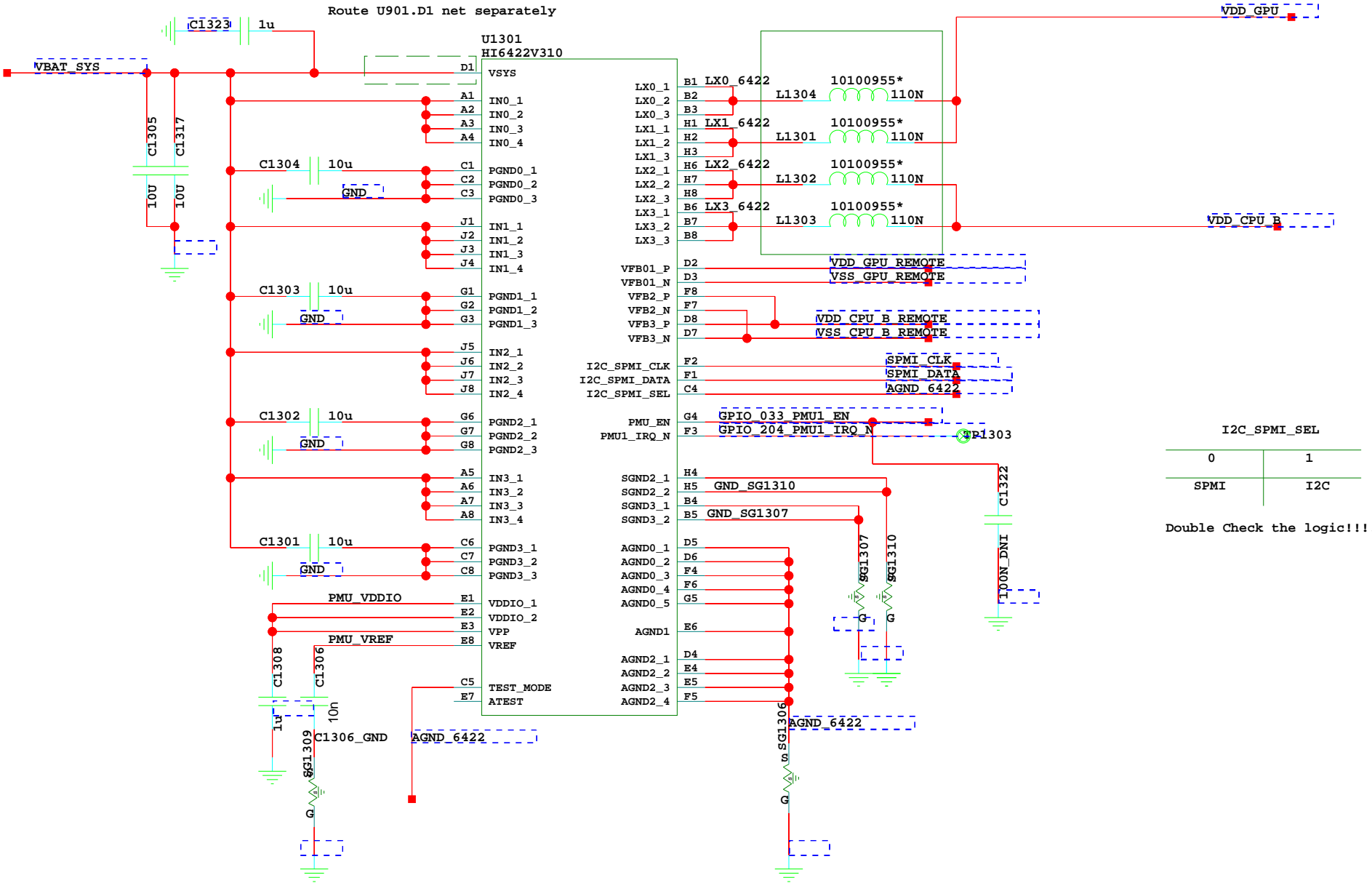
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 11 OF 60	
		A	03024HUV	HUAWAI TECH CO.,LTD.	

12. Hi6421 DIGITAL INTERFACE & BUCK BOOST



13. Hi6422

PGND should be 20A

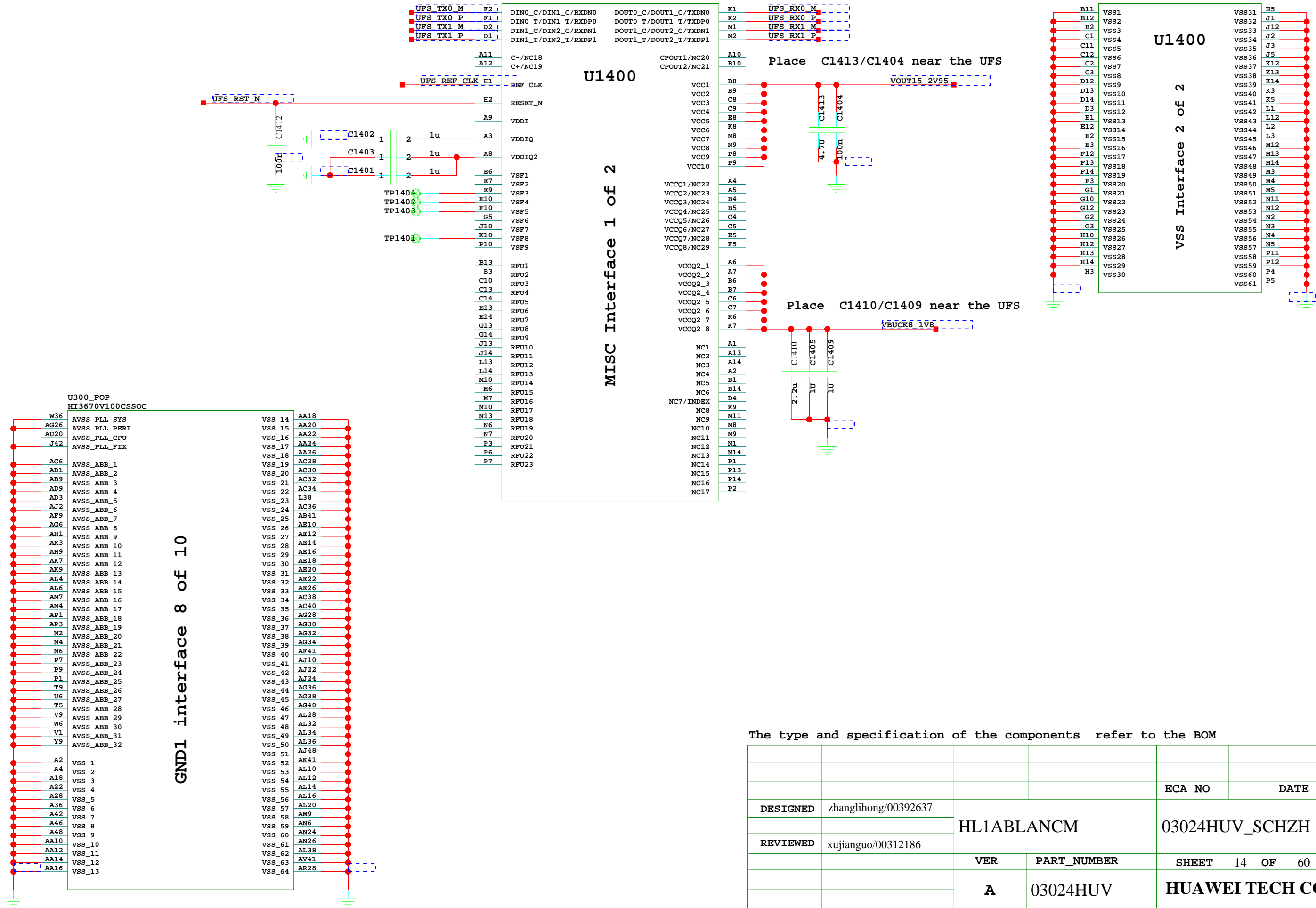


The Hi6422' PGND0-3 should be connected to GND through single GND, if being connected to GND directly is not proper.

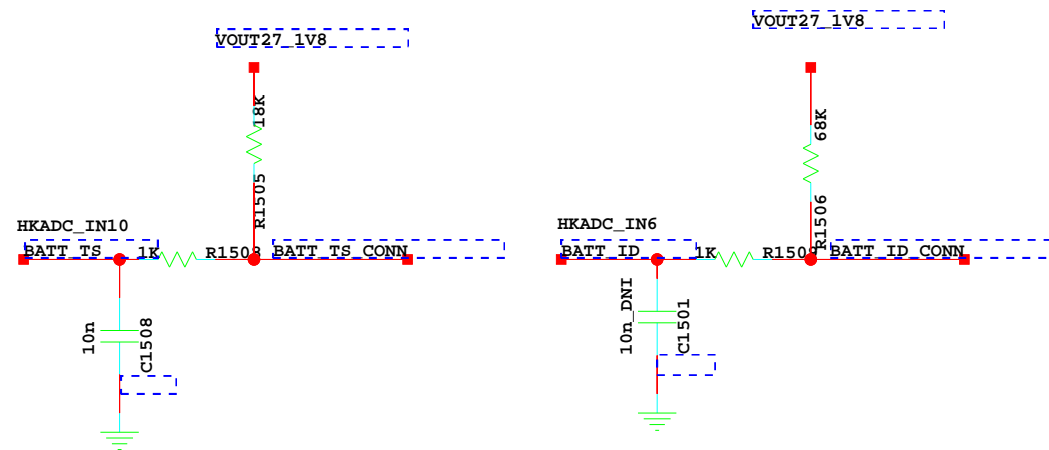
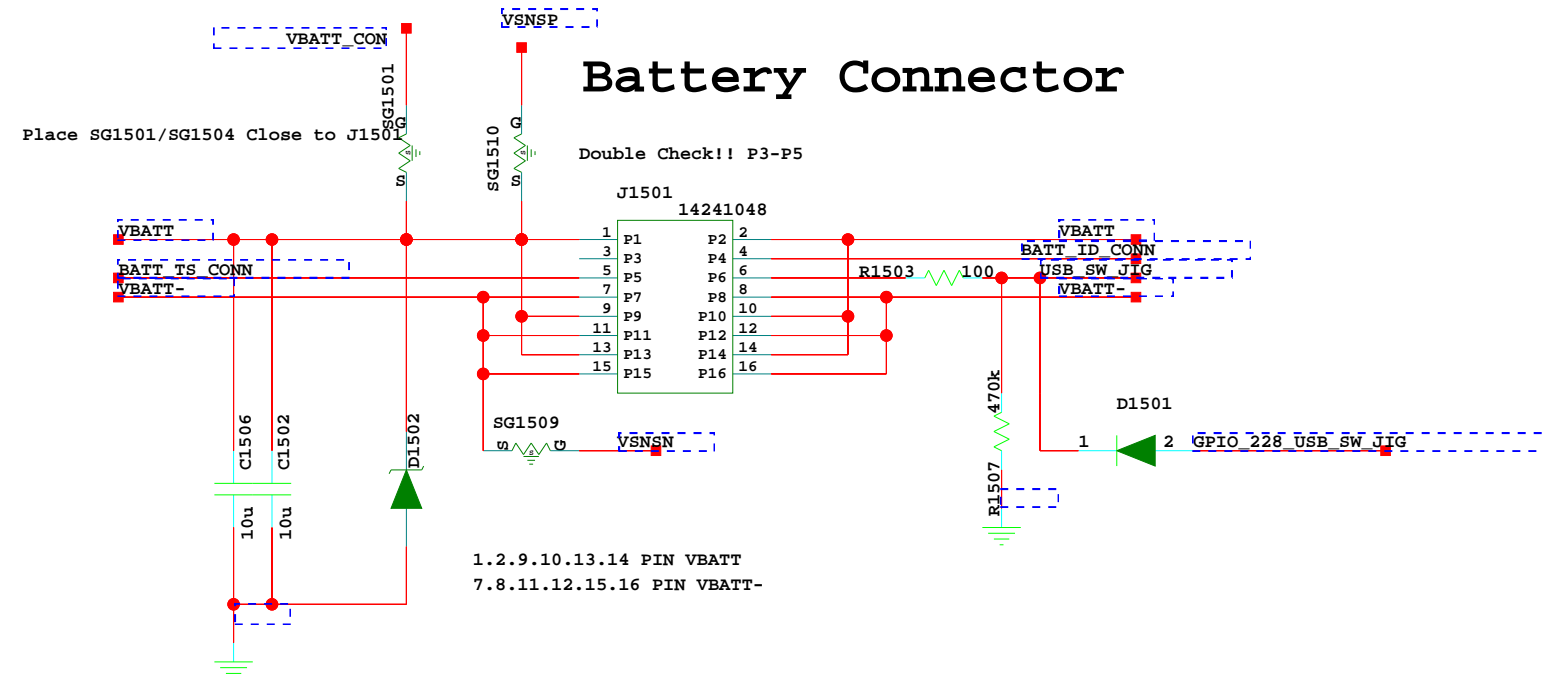
The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 13 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

14. UFS and LPDDR4X



15. Battery & Fuel gauge

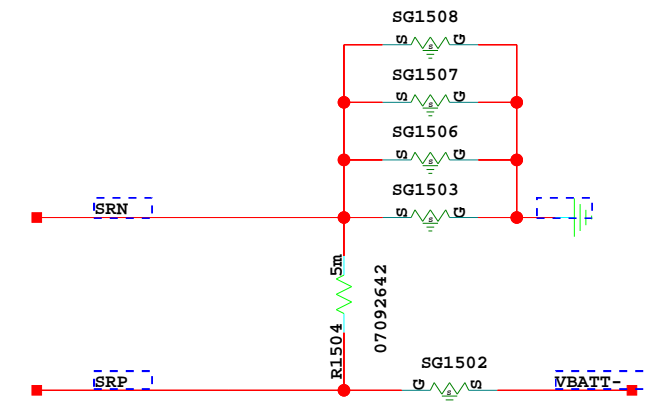


Battery Temperature

Battery ID

CAD note:1.Trace for 6A

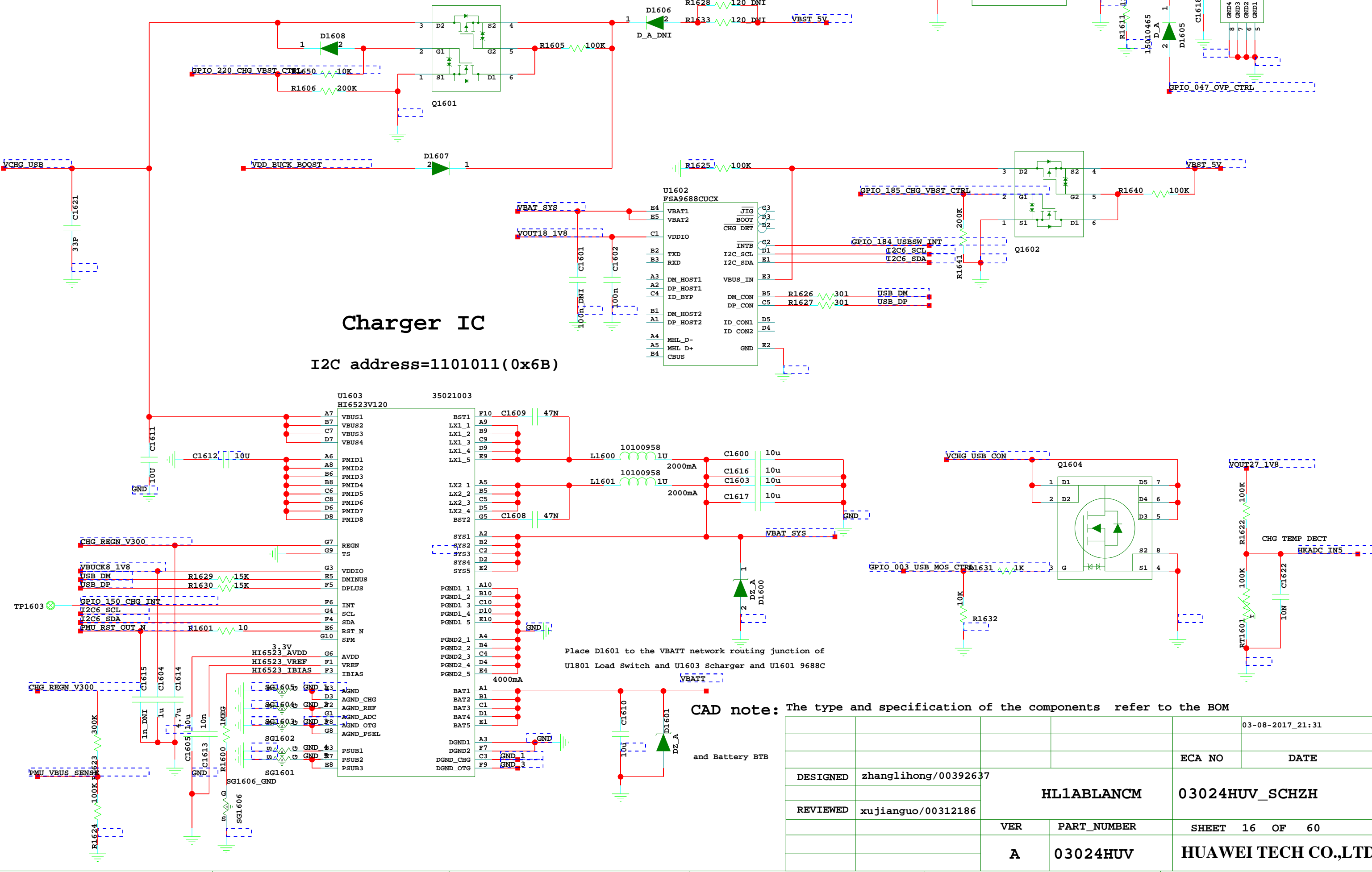
2.Differential trace



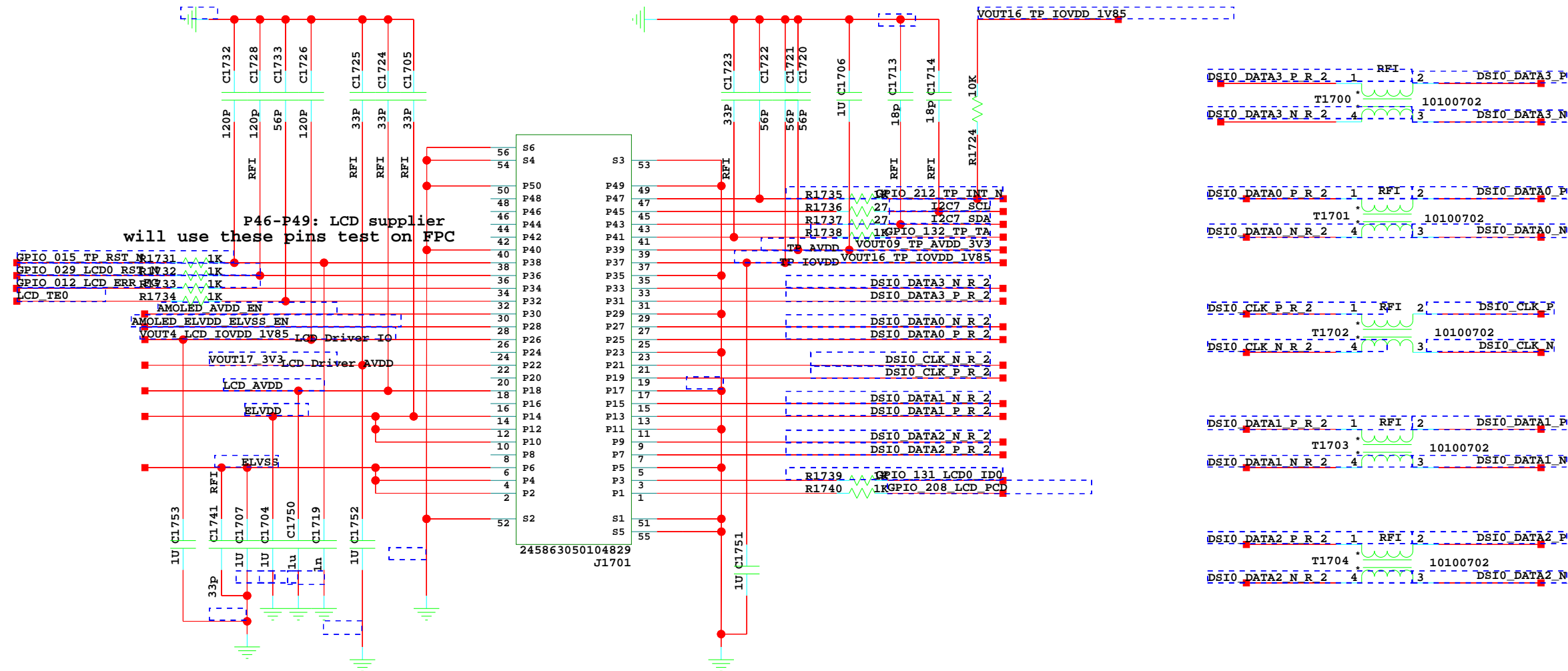
The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET	15 OF 60
		A	03024HUV	HUAWEI TECH CO.,LTD.	

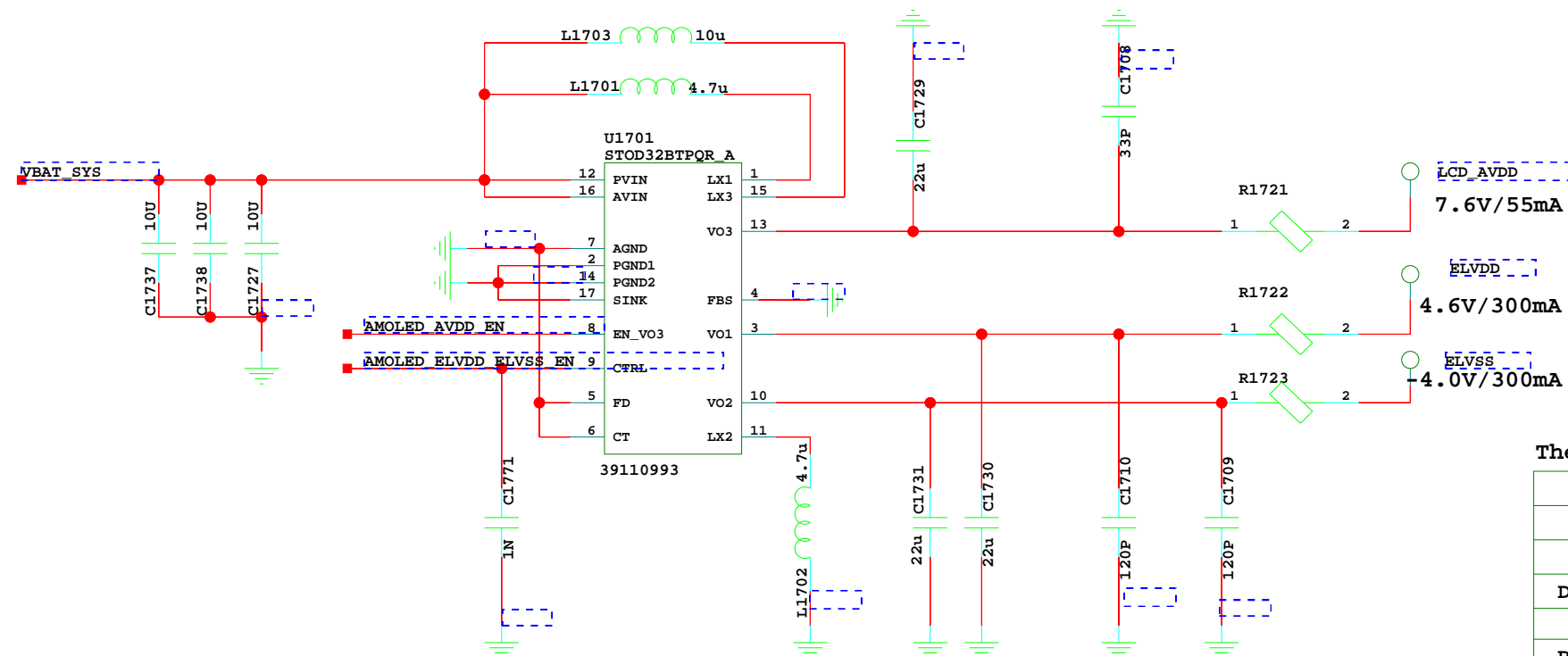
16. Charge Management



17. AMOLED LCD Interface



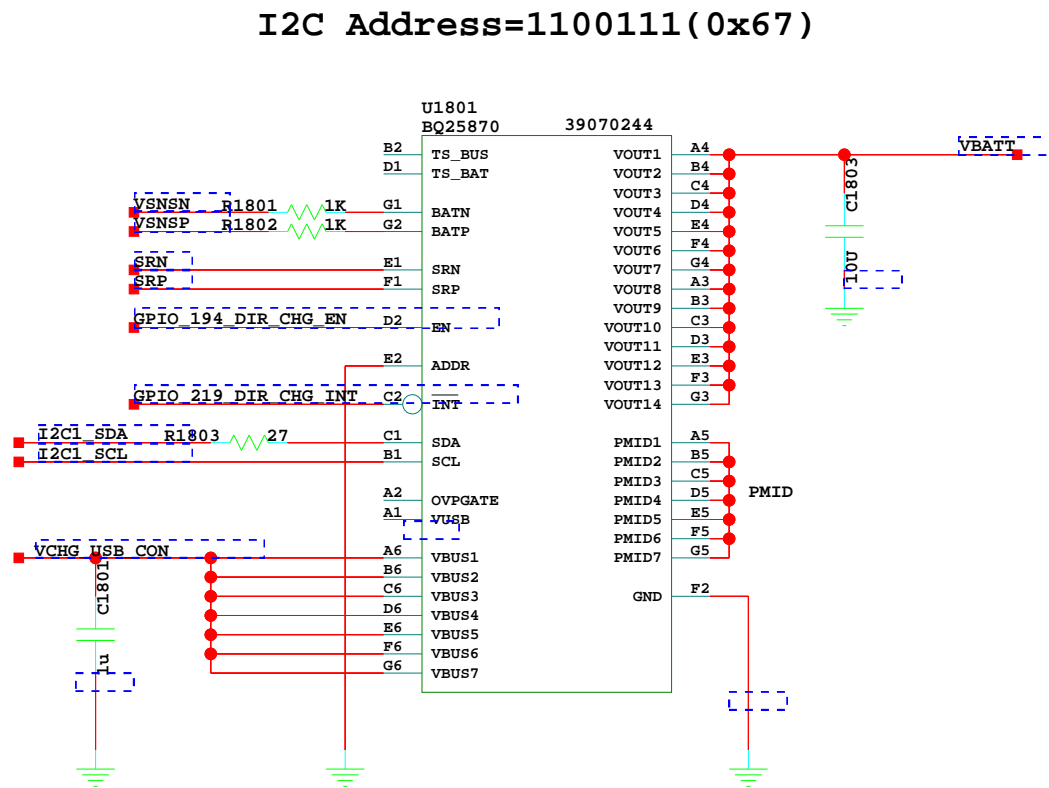
AMOLED Voltage Driver



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 17 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

18. Direct Charge LoadSwitch



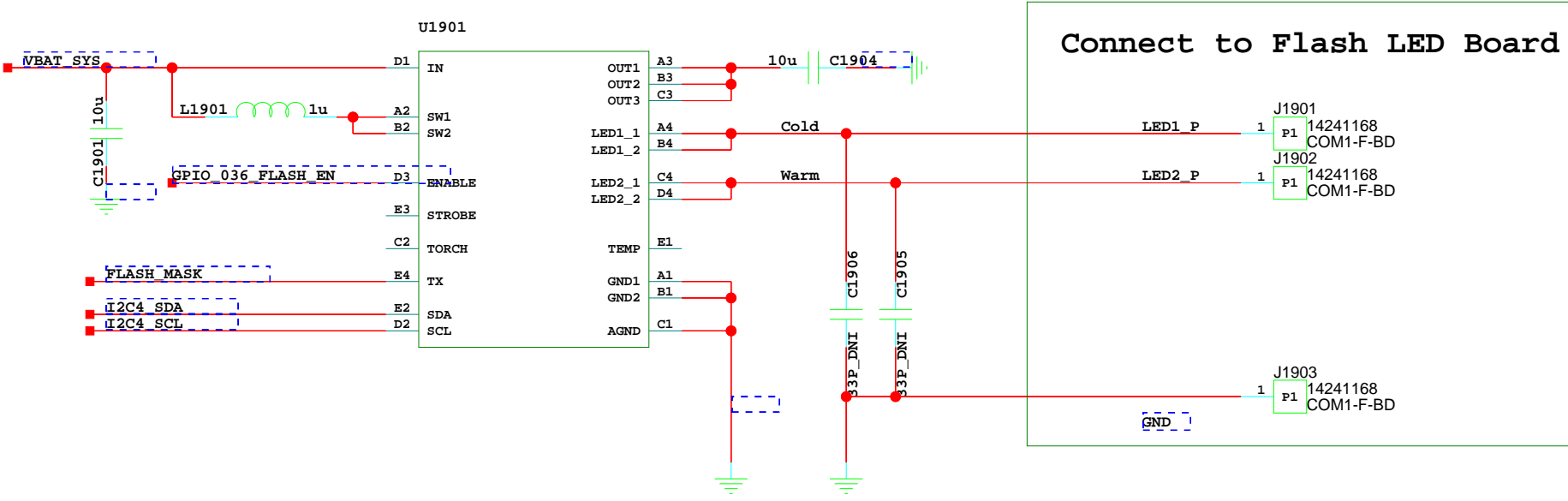
The type and specification of the components refer to the BOM

				10-08-2017_18:50
			ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH
REVIEWED	xujianguo/00312186			
		VER	PART_NUMBER	SHEET 18 OF 60
		A	03024HUV	HUAWEI TECH CO.,LTD.

19. Flash LED

I2C address=1100111(0x67)

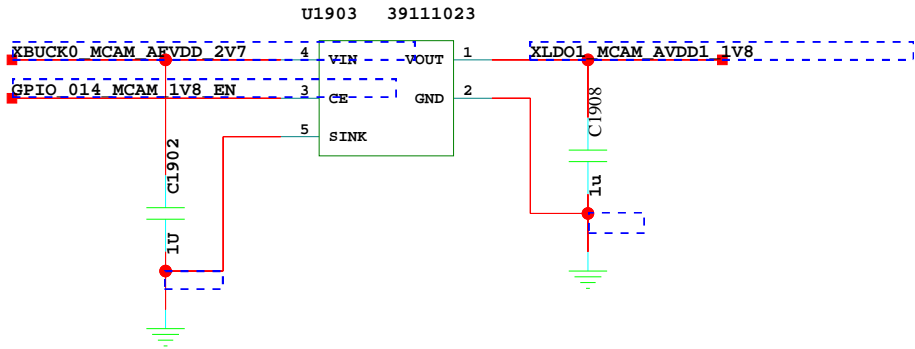
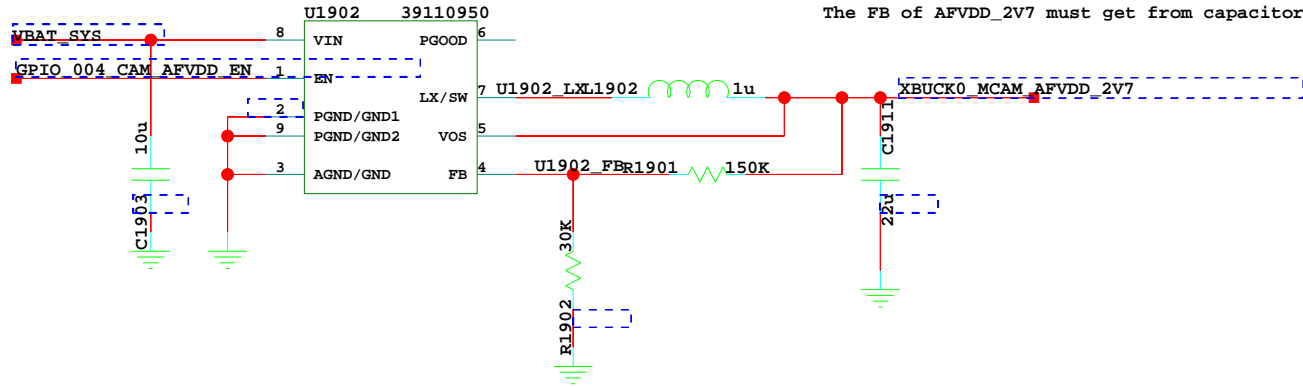
rear camera double flash led
software set the limit current 2.5A



Camera BUCK

$$VOUT=0.45V \times (1+R1901/R1902)=0.45 \times 6=2.7V$$

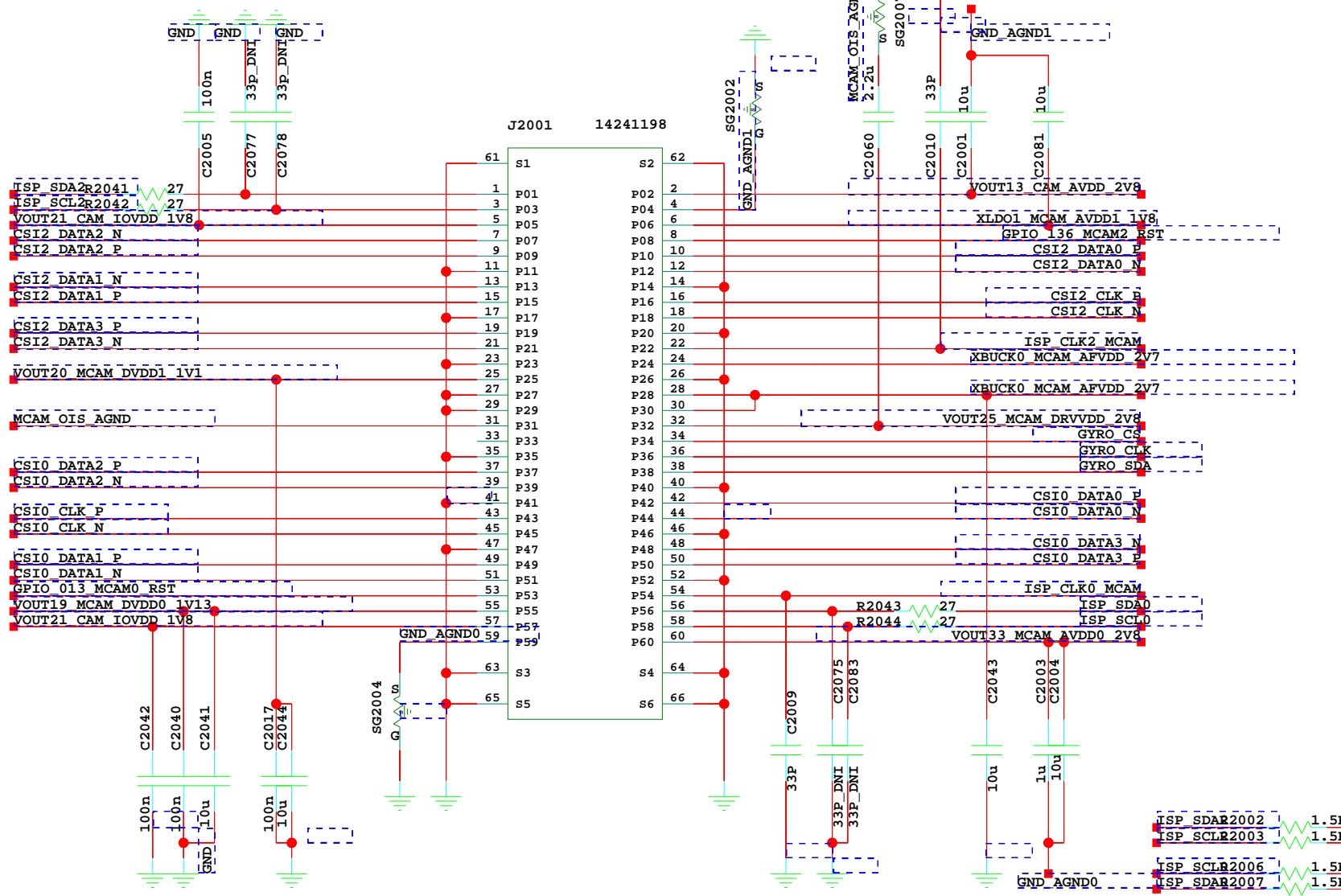
The FB of AFVDD_2V7 must get from capacitor



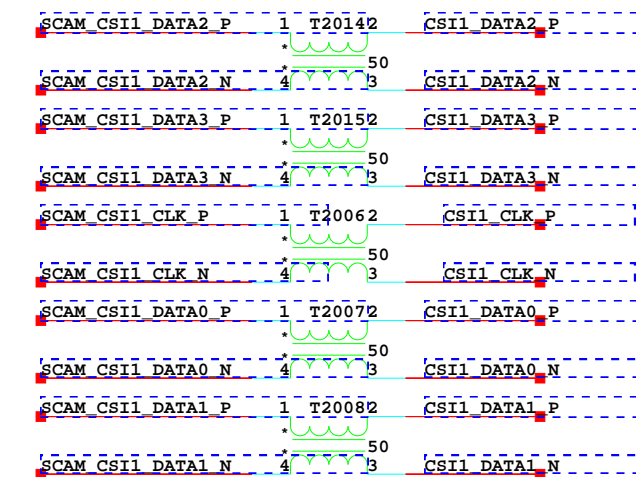
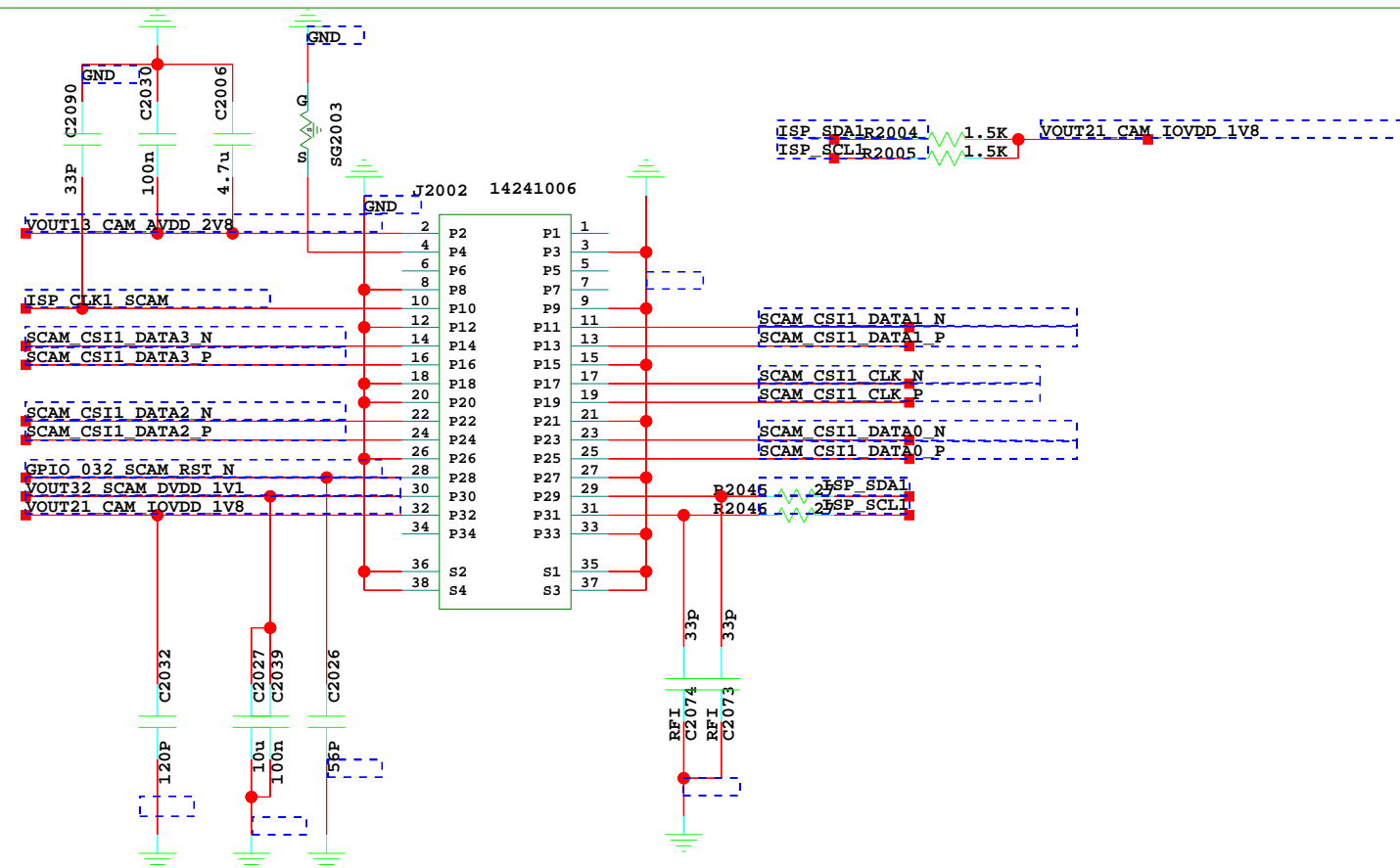
The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 19 OF 60	
		A	03024HUV	HUAWAI TECH CO.,LTD.	

20. Camera



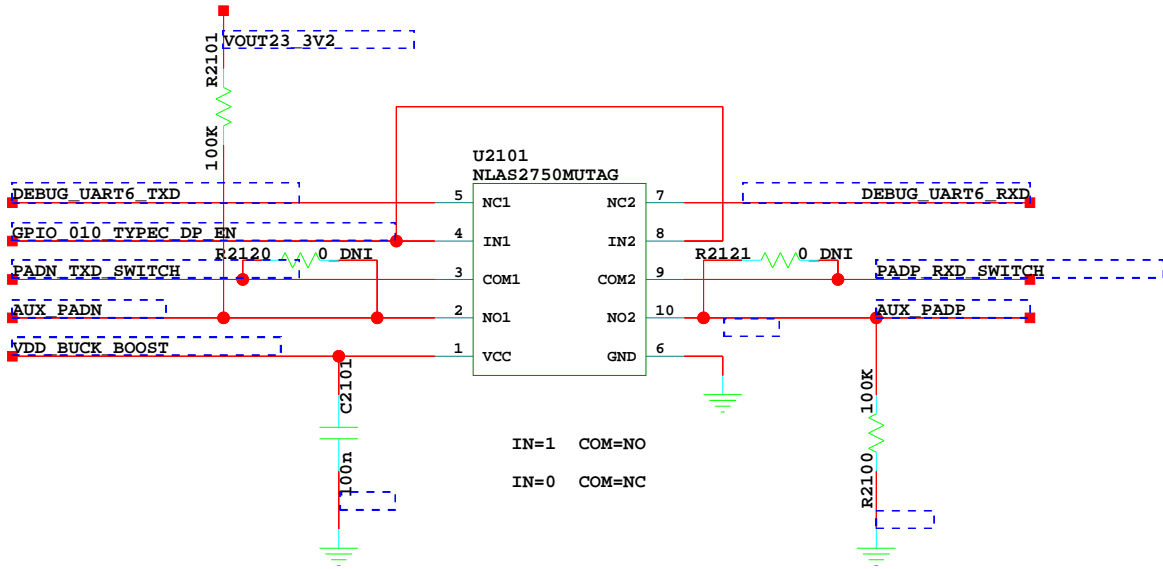
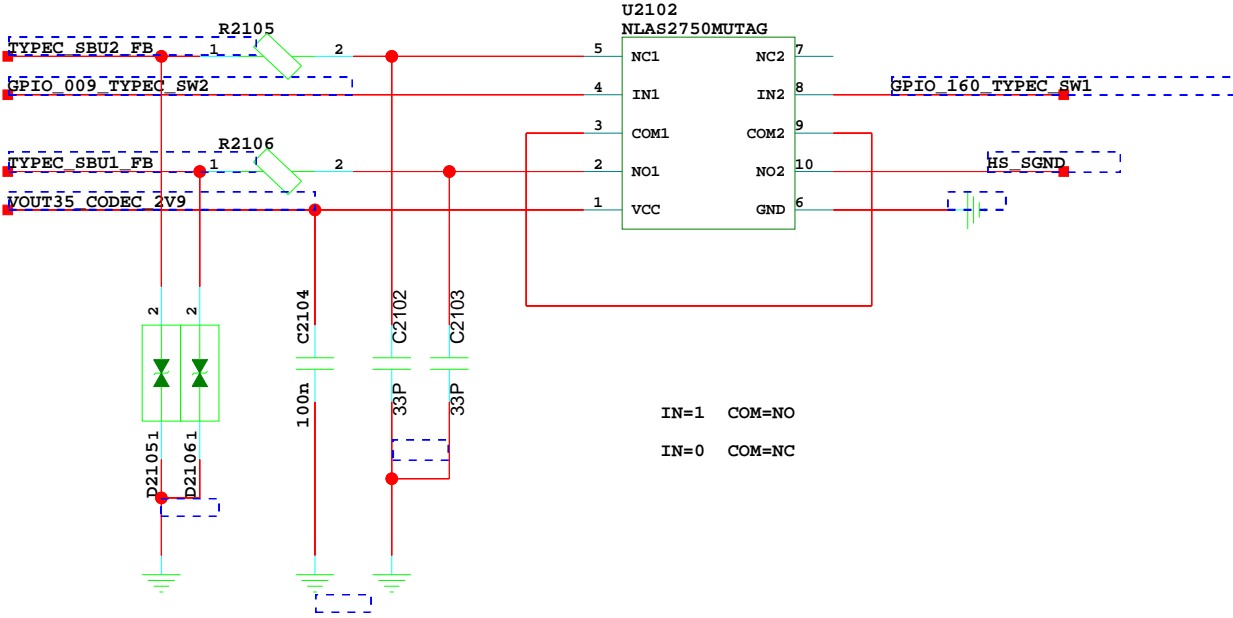
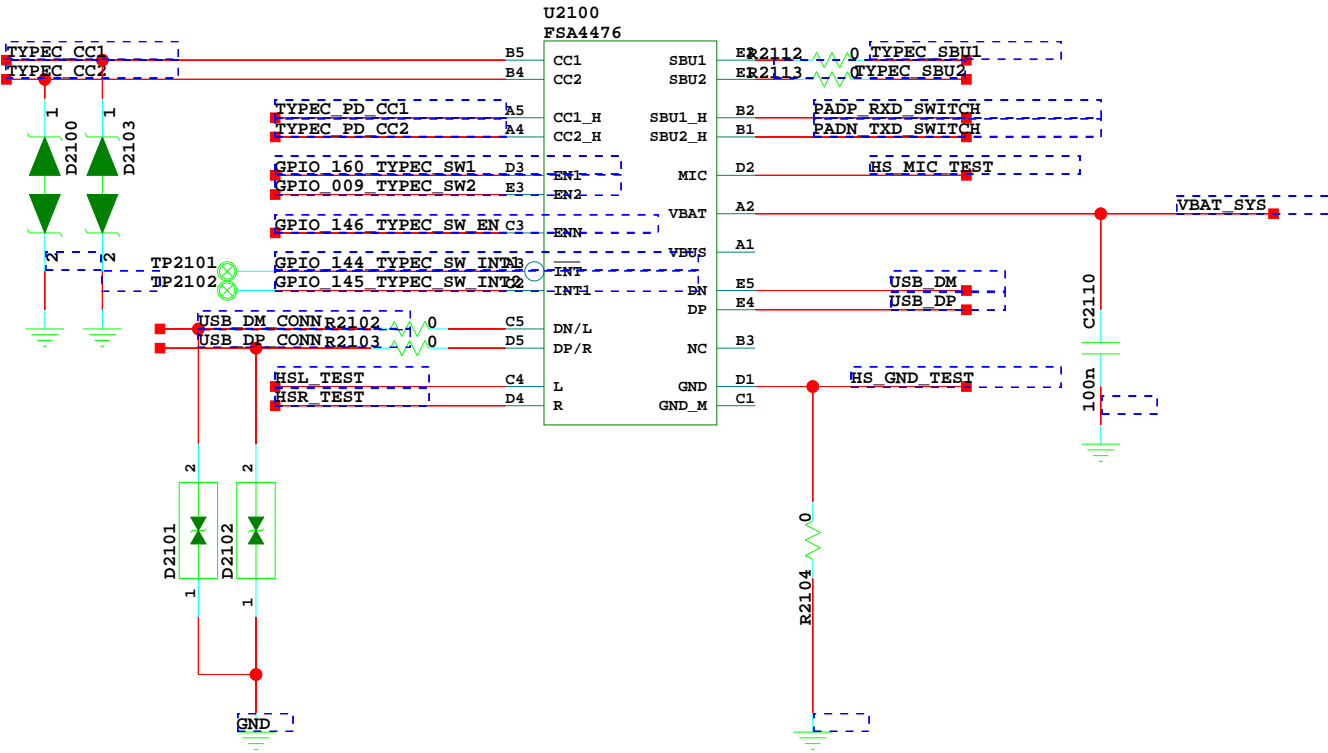
Resistor and Fliter share PAD in PCB



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 20 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

21. TYPE-C EARPHONE SW

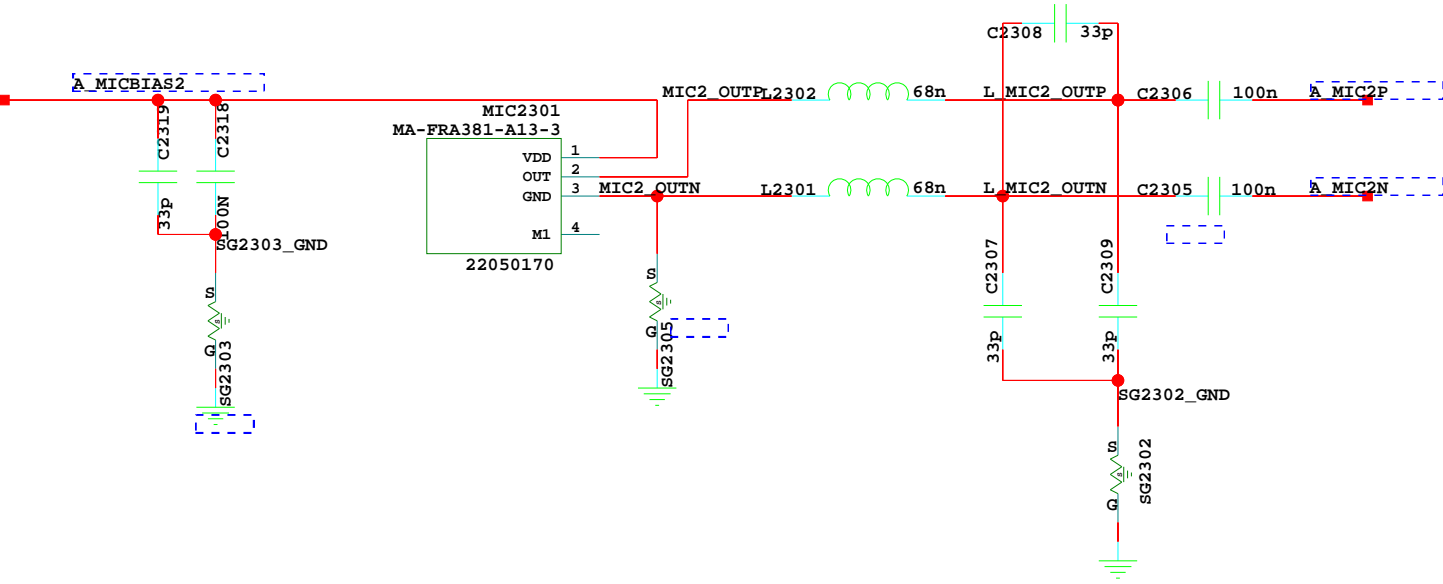


The type and specification of the components refer to the BOM

				08-08-2017_20:06
			ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		
REVIEWED	xujianguo/00312186	03024HUV_SCHZH		
		VER	PART_NUMBER	SHEET 21 OF 60
		A	03024HUV	HUAWEI TECH CO.,LTD.

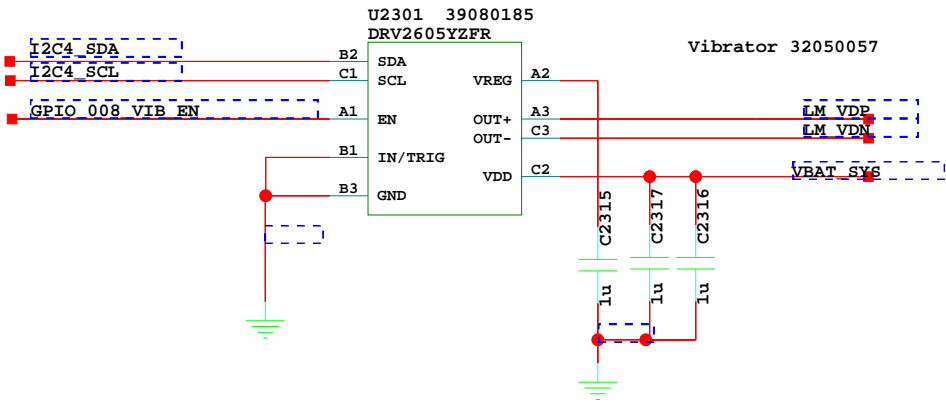
23. MIC/VIB

Slave MIC1:Reference MIC Close To Camera



Linear Vibrator Driver

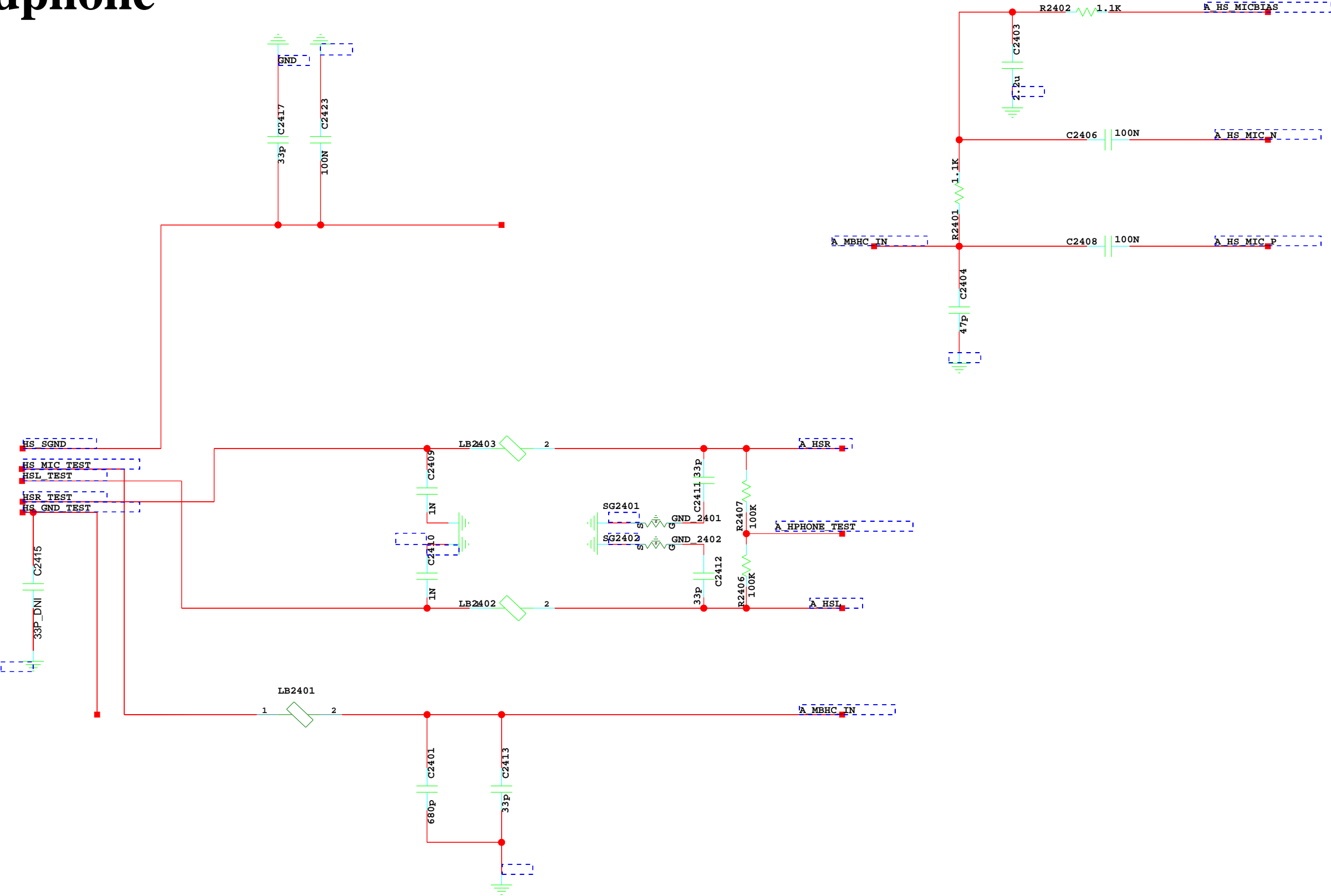
I2C address=1011010(0X5A)



The type and specification of the components refer to the BOM

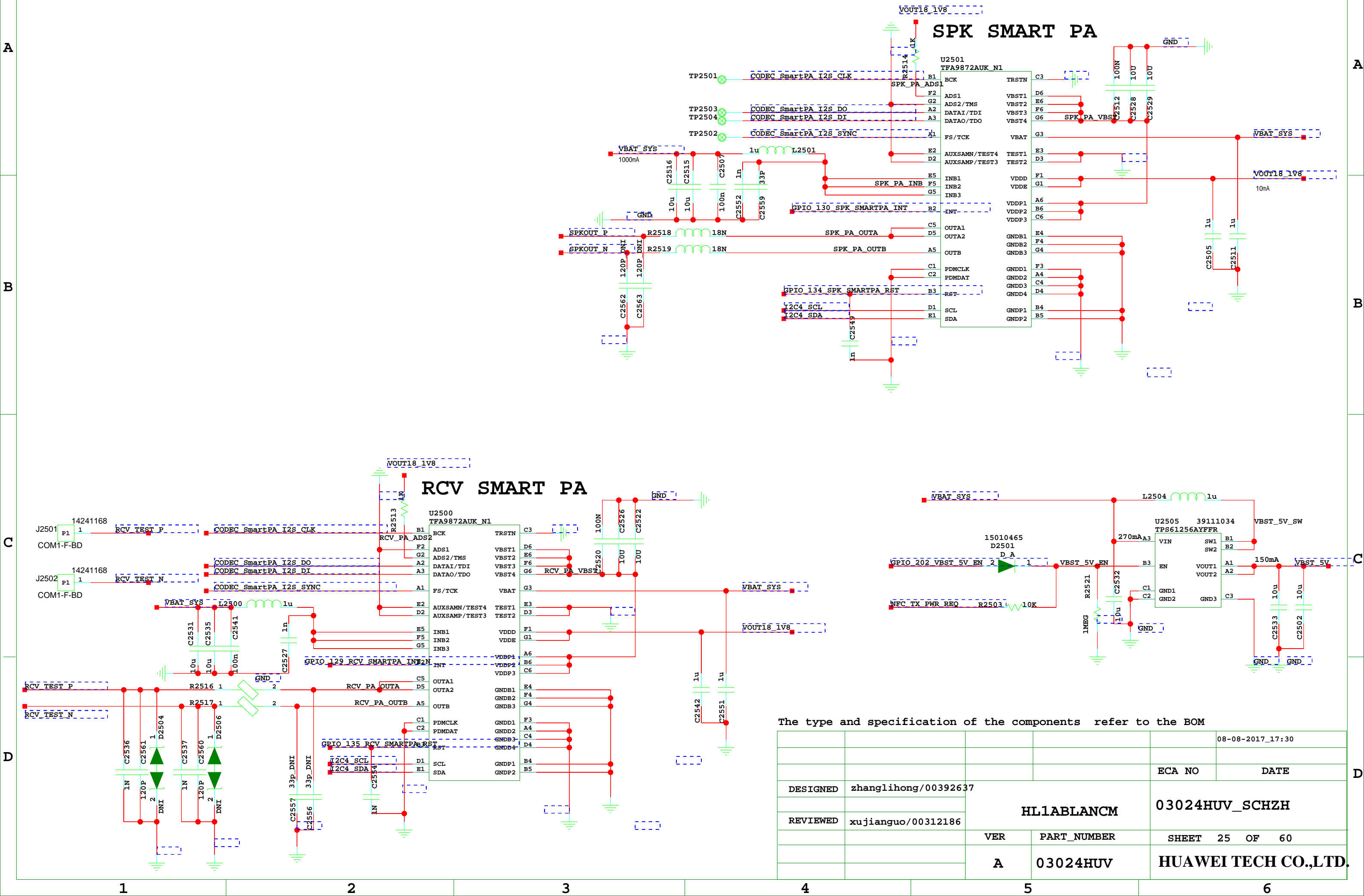
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 23 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

24. Headphone



The type and specification of the components refer to the BOM					
					2017/01/01
				ECA NO	DATE
DESIGNED	gumingpeng 00358948	HL1AALPSM		03024GXE_SCHZH	
REVIEWED	xujianguo 00312186				
		VER	PART_NUMBER	SHEET 24 OF 60	
		A	03024GXE	HUAWEI TECH CO.,LTD	

25. Audio



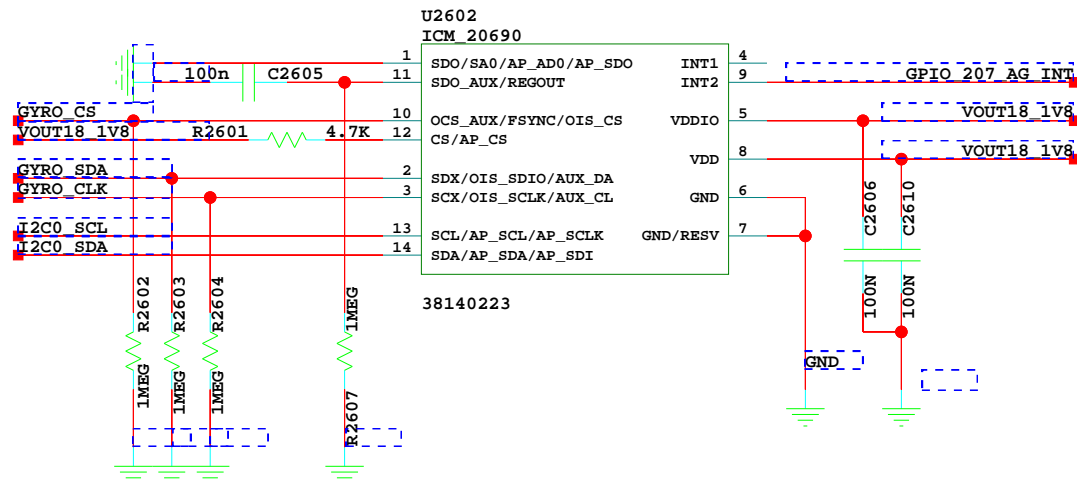
The type and specification of the components refer to the BOM

				08-08-2017_17:30	
				ECA NO	DATE
DESIGNED	zhanglihong/00392637			03024HUV_SCHZH	
REVIEWED	xujianguo/00312186			SHEET 25 OF 60	
		VER	PART_NUMBER	HUAWEI TECH CO.,LTD.	
		A	03024HUV		

26. X-Sensor

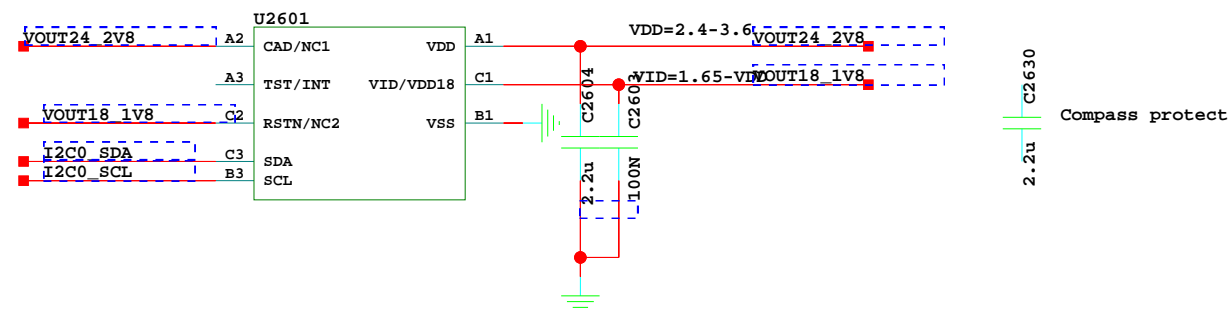
Accelerometer and Gyroscope 6-AXIS SENSOR

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

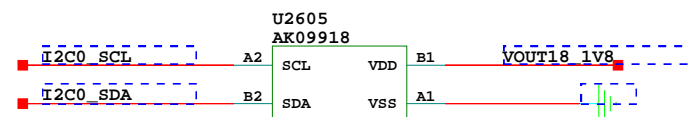


Compass

I2C Address=0001101 (0x0D)

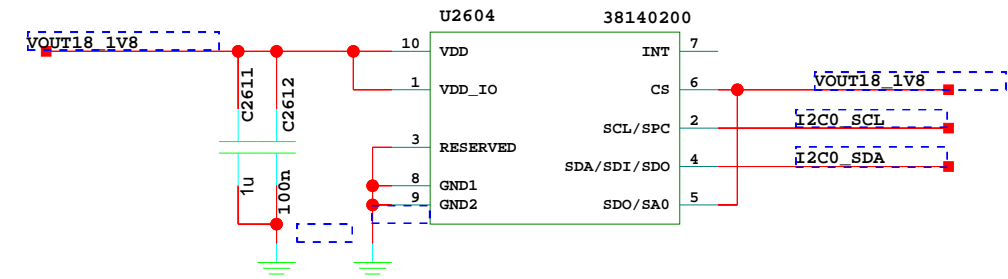


I2C Address=0001100(0x0C)

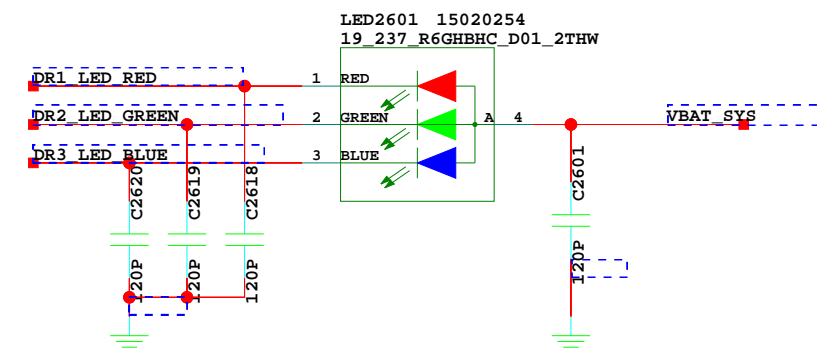


Barometer

I2C Address=1011101(0x5D)

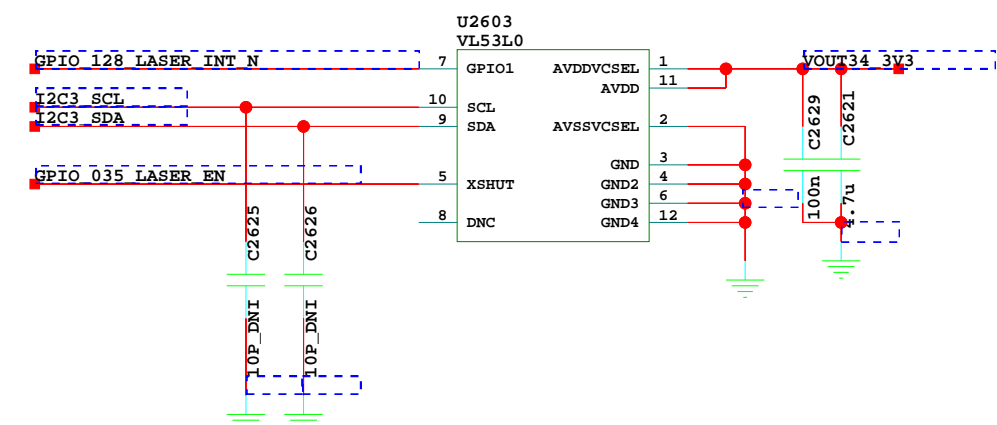


RGB LED



LASER

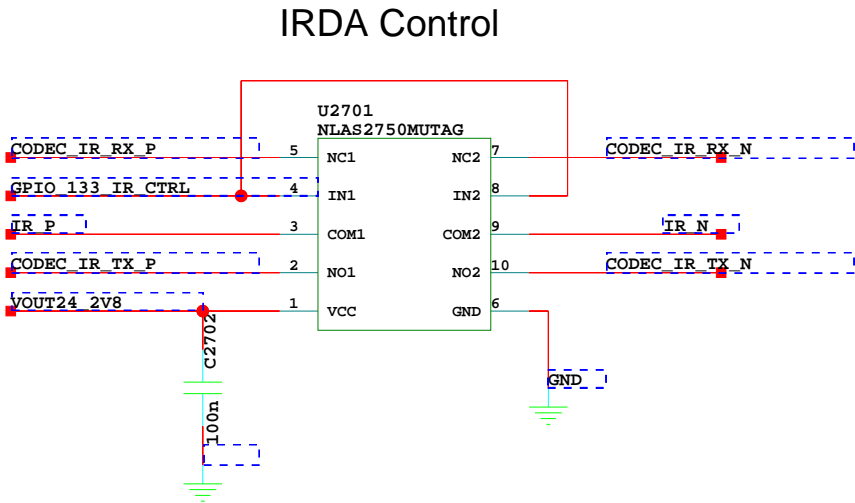
I2C Address=0x52(0x0101001X)



The type and specification of the components refer to the BOM

					2012-09-20
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET	26 OF 60
		A	03024HUV	HUAWEI TECH CO.,LTD.	

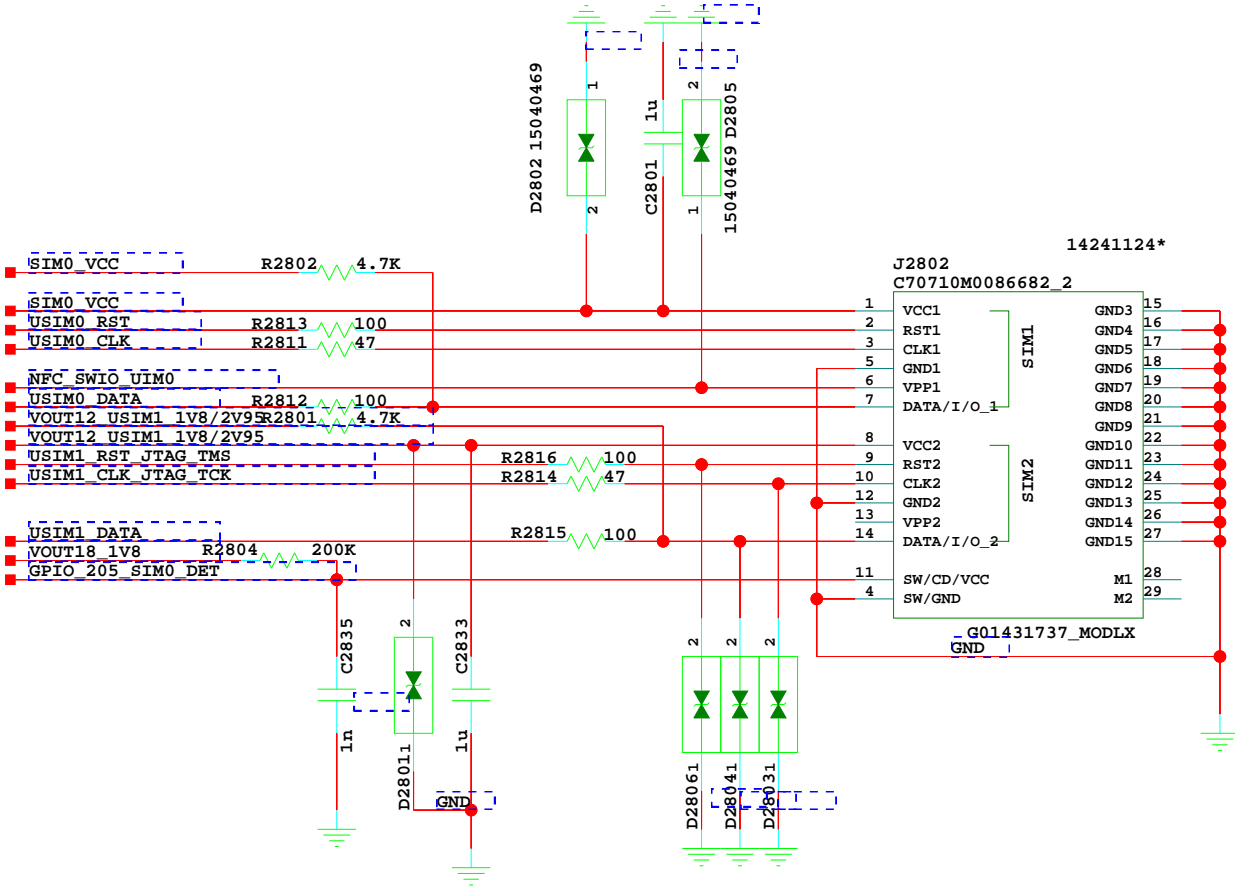
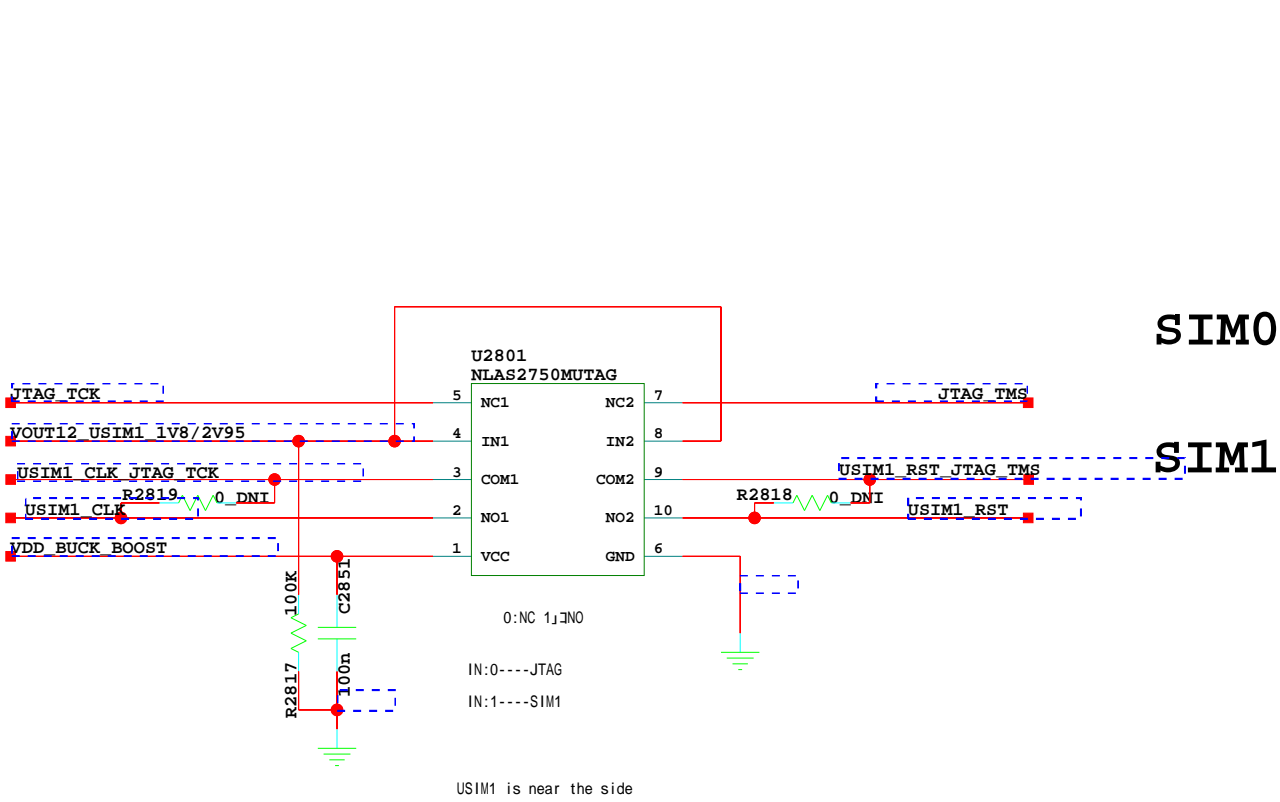
27. IRDA Control



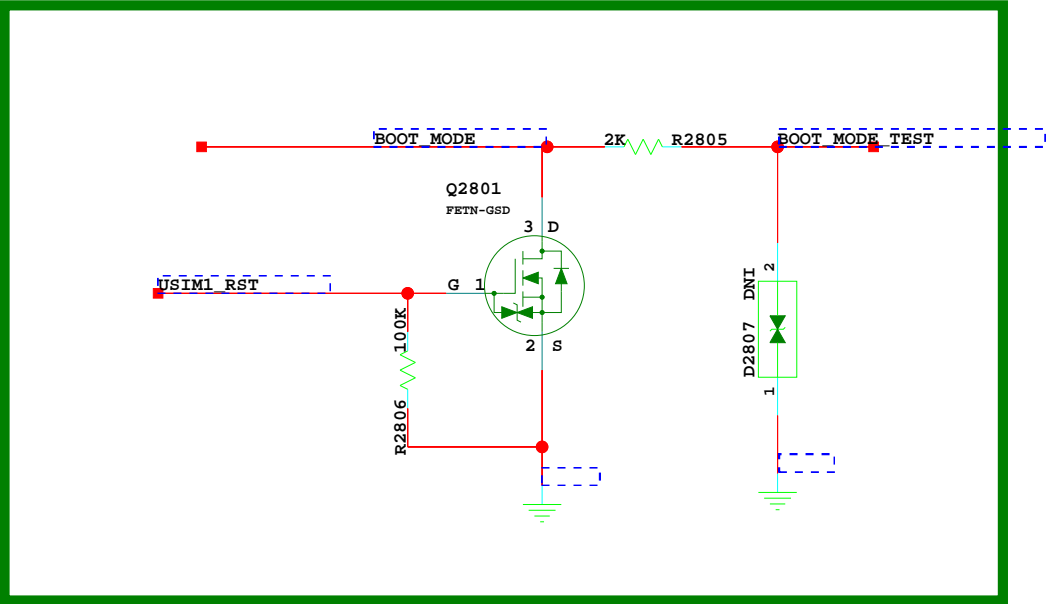
The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 27 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

28. SIM Card



Boston: Force DownLoad Solution



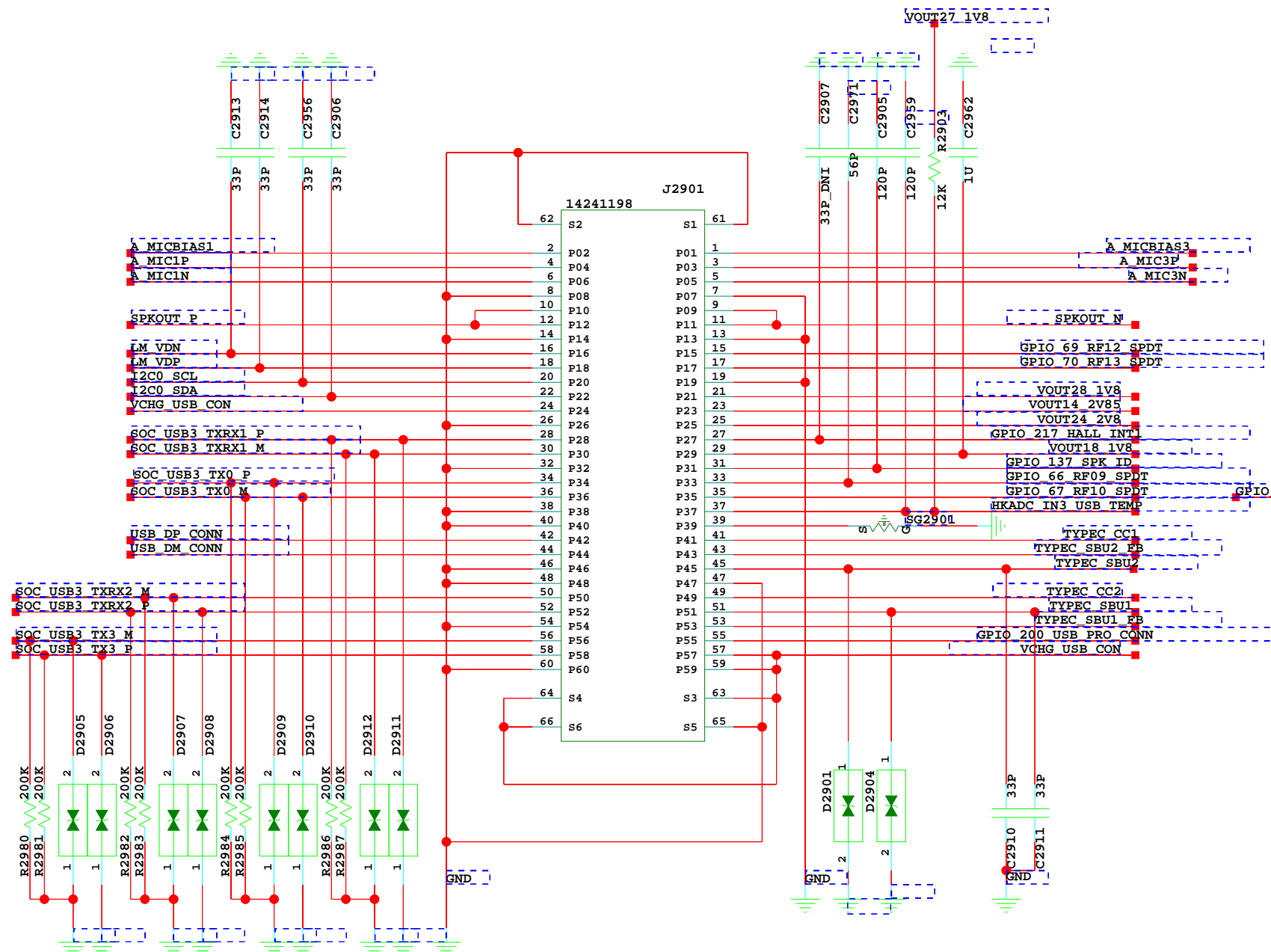
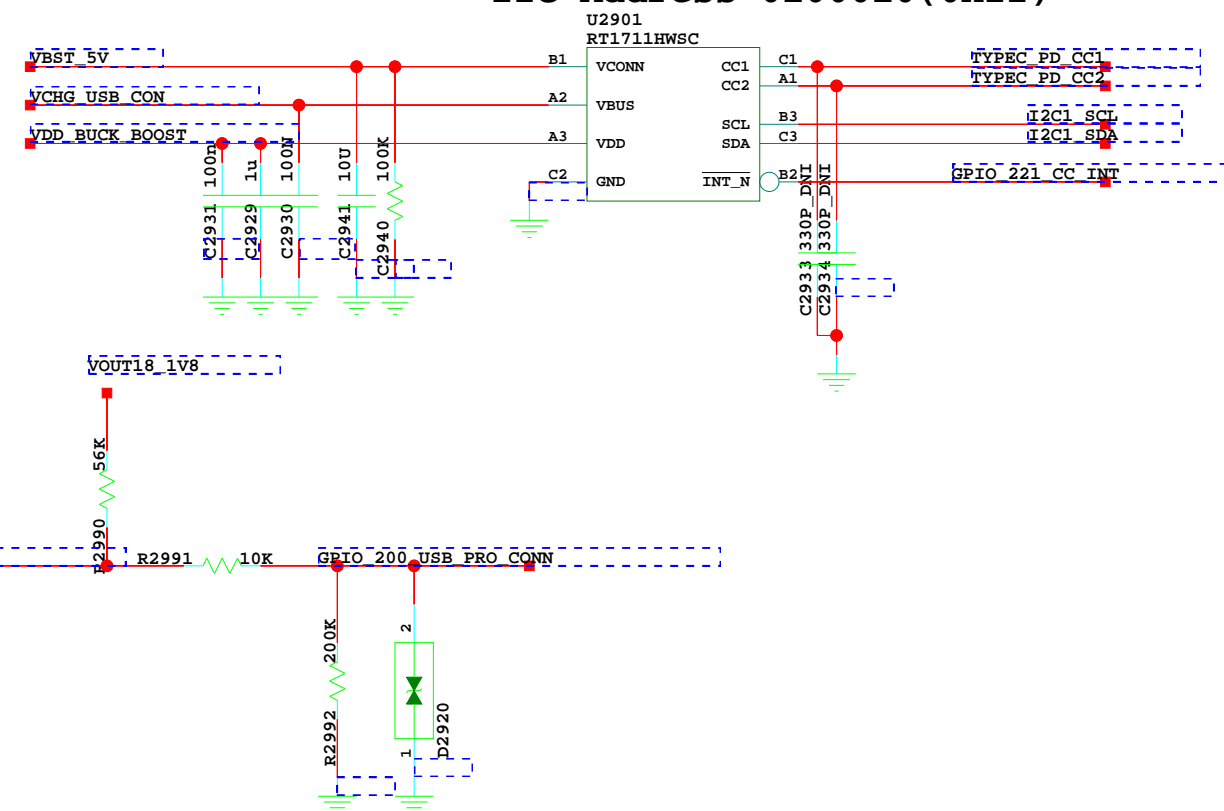
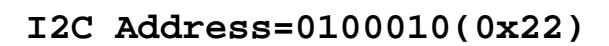
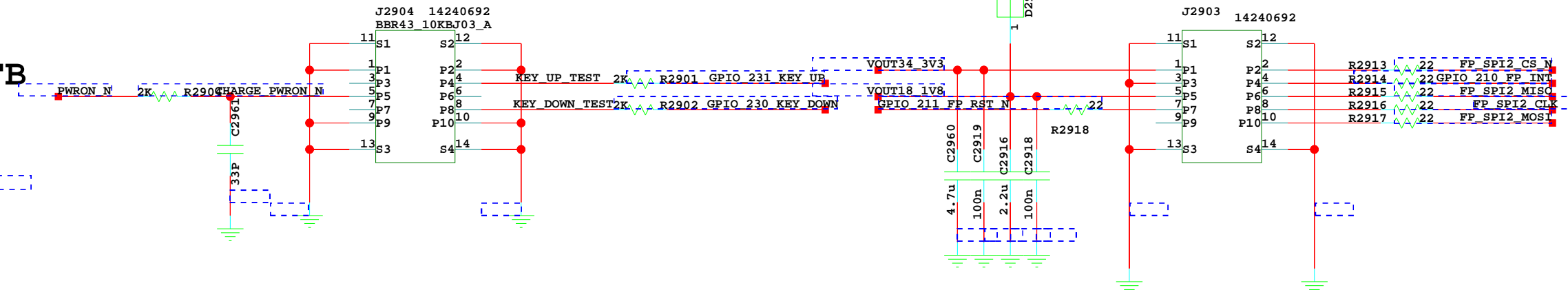
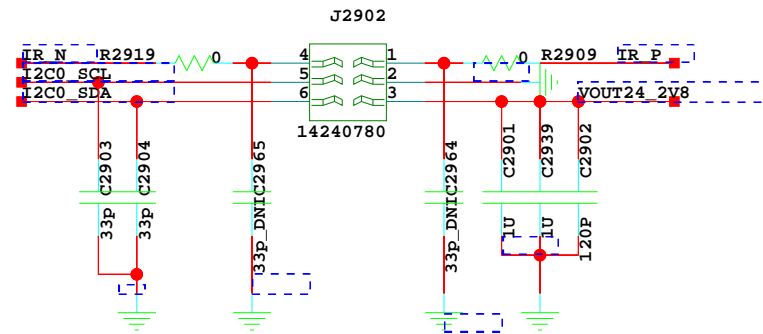
The type and specification of the components refer to the BOM

DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186	VER		PART_NUMBER	
		A		03024HUV	
				SHEET 28 OF 60	
				HUAWEI TECH CO.,LTD.	

29. FPC Interface

KEY BTB

FingerPrint BTB



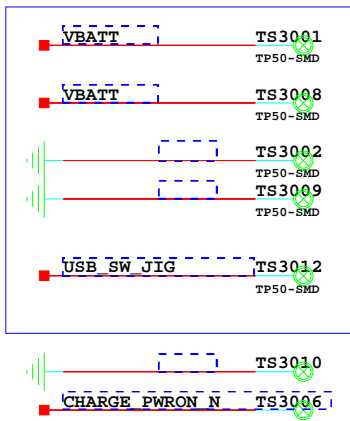
The type and specification of the components refer to the BOM

					10-08-2017_18:50
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 29 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD	

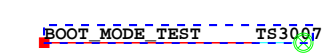
30. Test Points/Shields

A

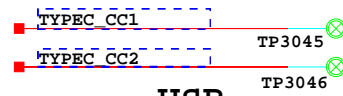
CBT TEST POINT



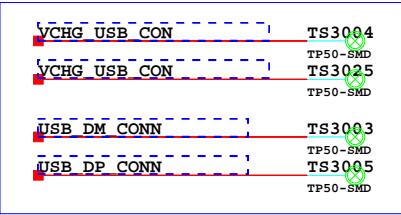
Factory Down Load



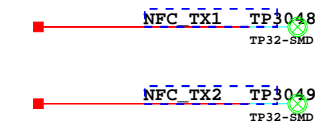
TYPE C



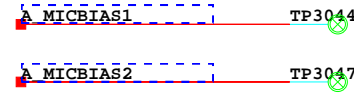
USB



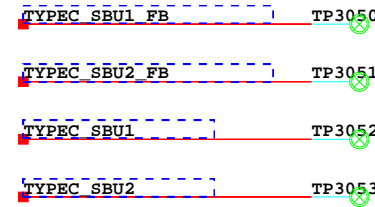
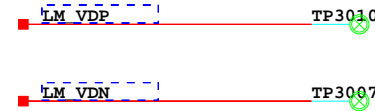
NFC



MIC

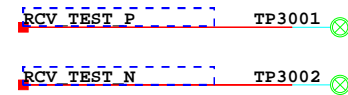


Vibrator



B

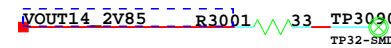
RCV



Speaker

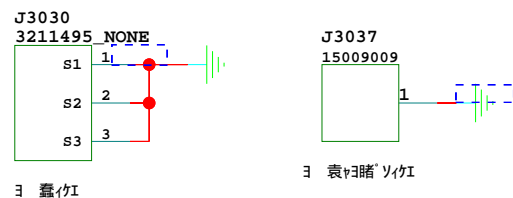
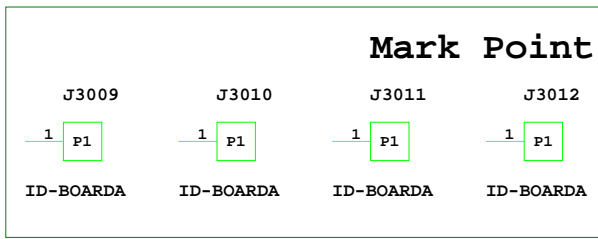
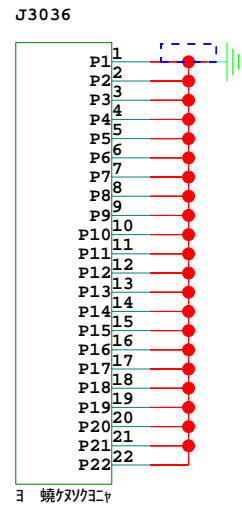
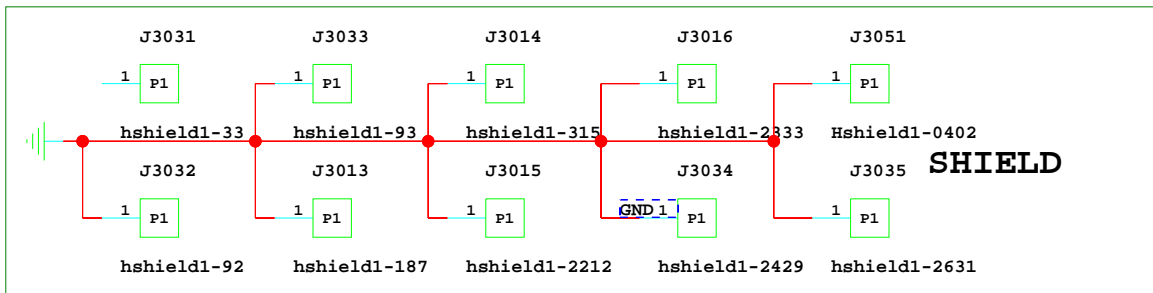
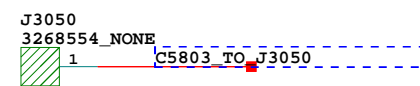
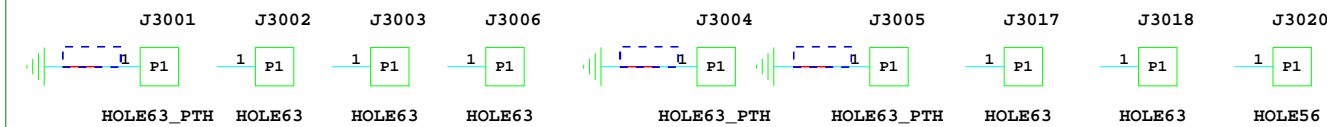


EOS TEST



C

HOLE will be confirmed later



D

The type and specification of the components refer to the BOM

					08-08-2017_23:38
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 30 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

1

2

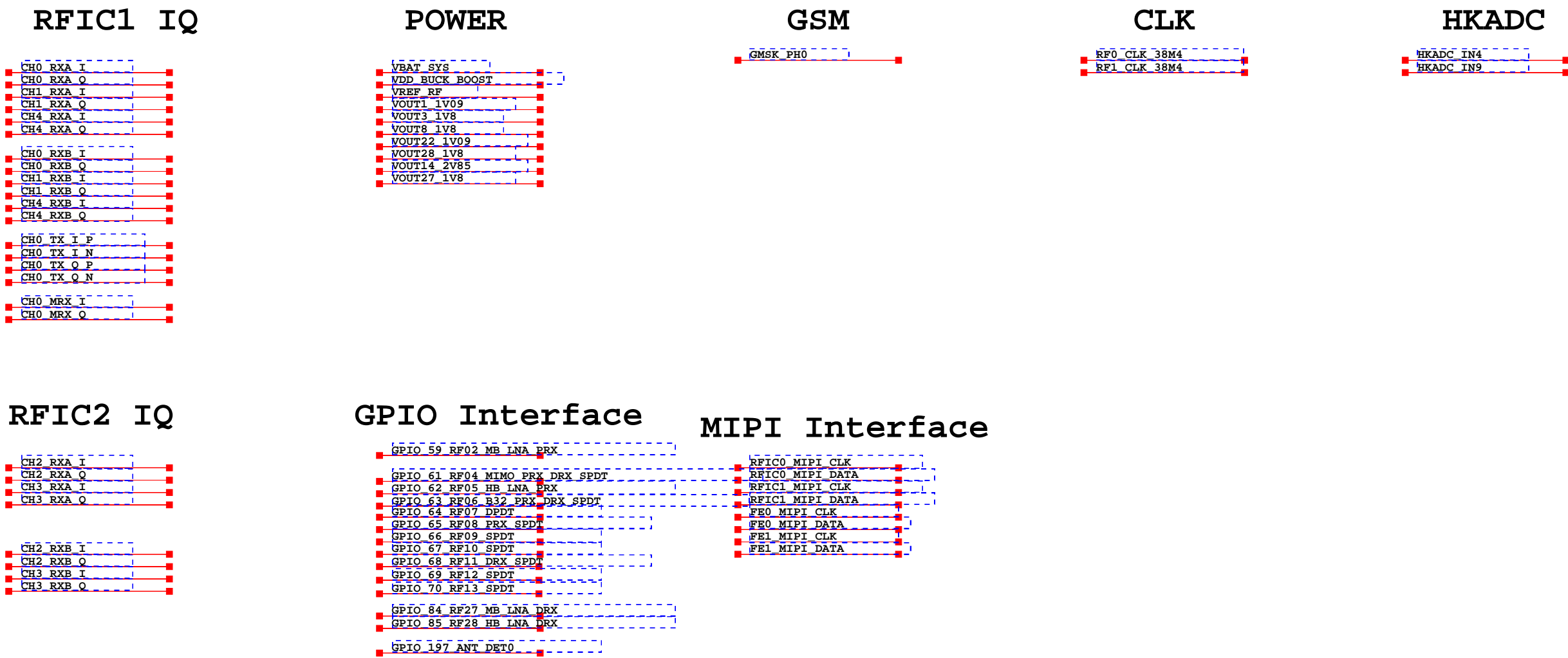
3

4

5

6

31.RF Interface



The type and specification of the components refer to the BOM					
					08-08-2017_20:06
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 31 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

32. RF PMU

Main SIM

RFIC0

LDO1=1.09V
LDO3=1.8V
LDO8=1.8V

RFIC1

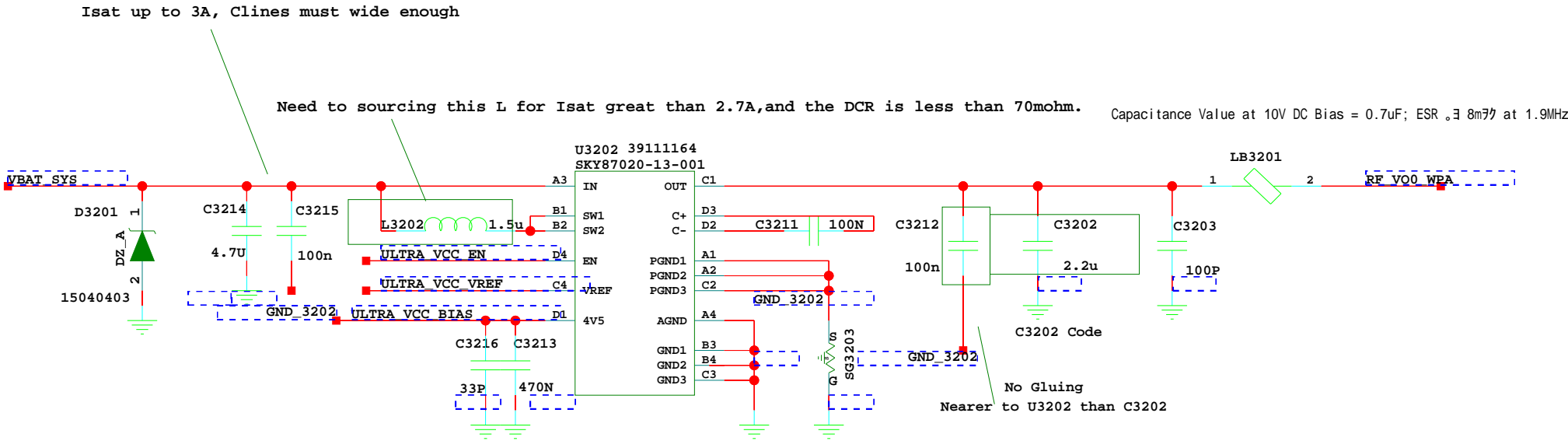
LDO22=1.09V
LDO3=1.8V
LDO8=1.8V

Switch

LDO14=2.85V
LDO28=1.8V

PA

VBATT=VDD_BUCK_BOOST
VCC2 =APT
LDO28=1.8V



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 32 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

33. RF Transceiver_HI6363_01

A

B

C

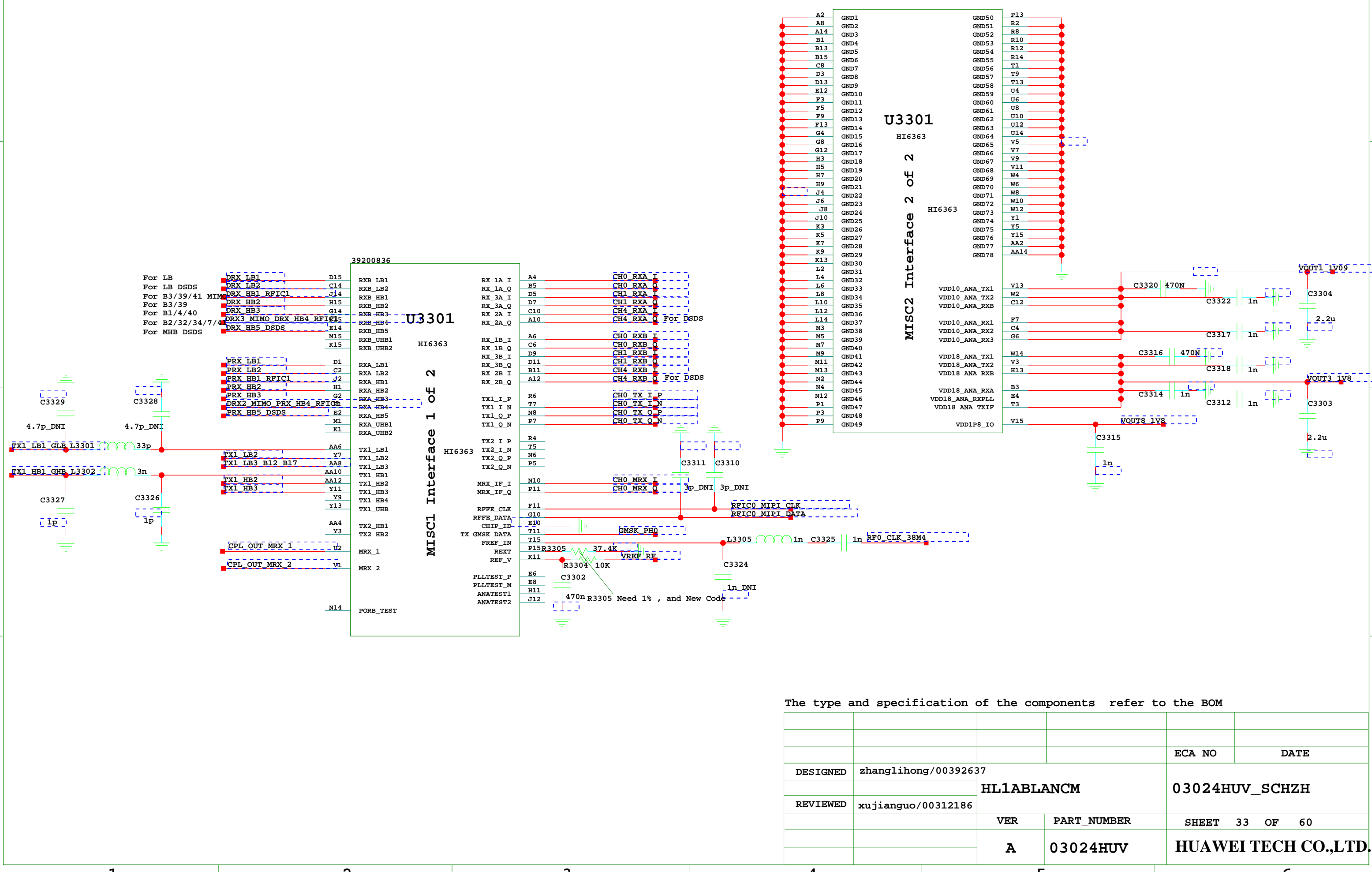
D

A

B

C

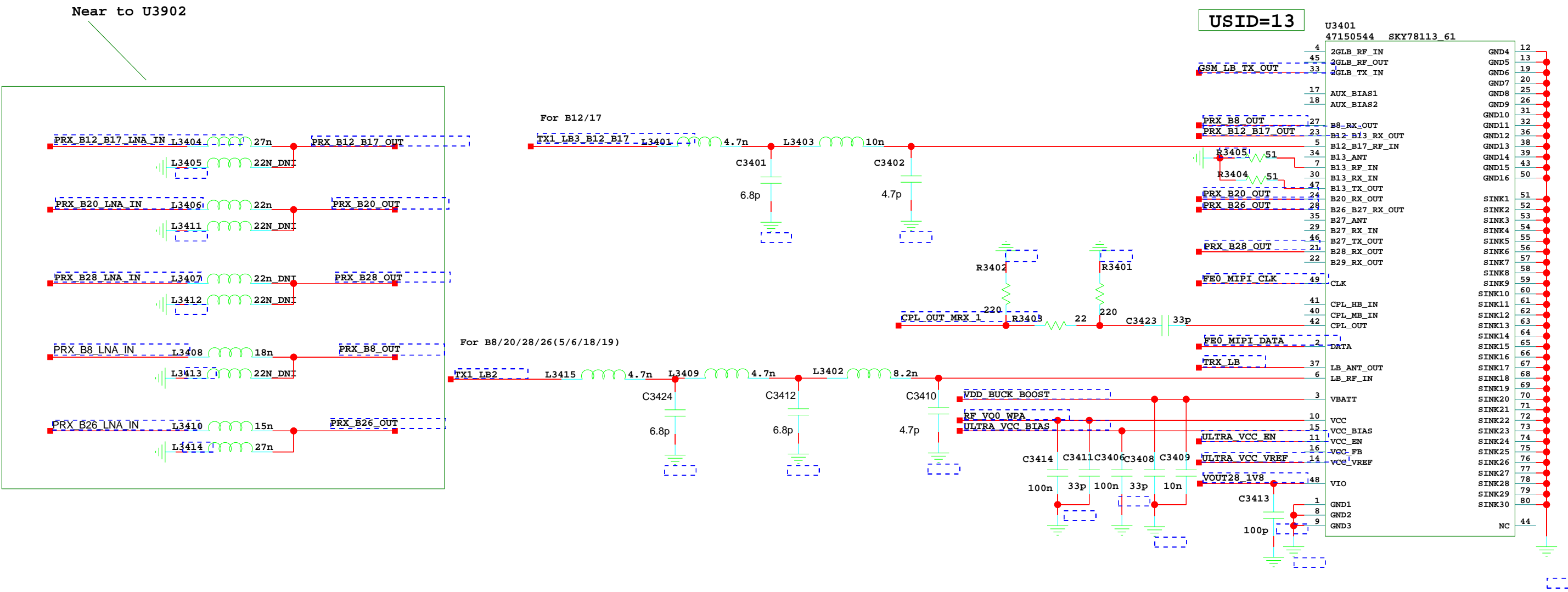
D



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 33 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

34. SKY78113_ULTRA2.5_LB



The type and specification of the components refer to the BOM					
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 34 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

A



D

	03024HUV_SCHZH			ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM			
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET	35 OF 60
		A	03024HUV	HUAWEI TECH CO.,LTD.	

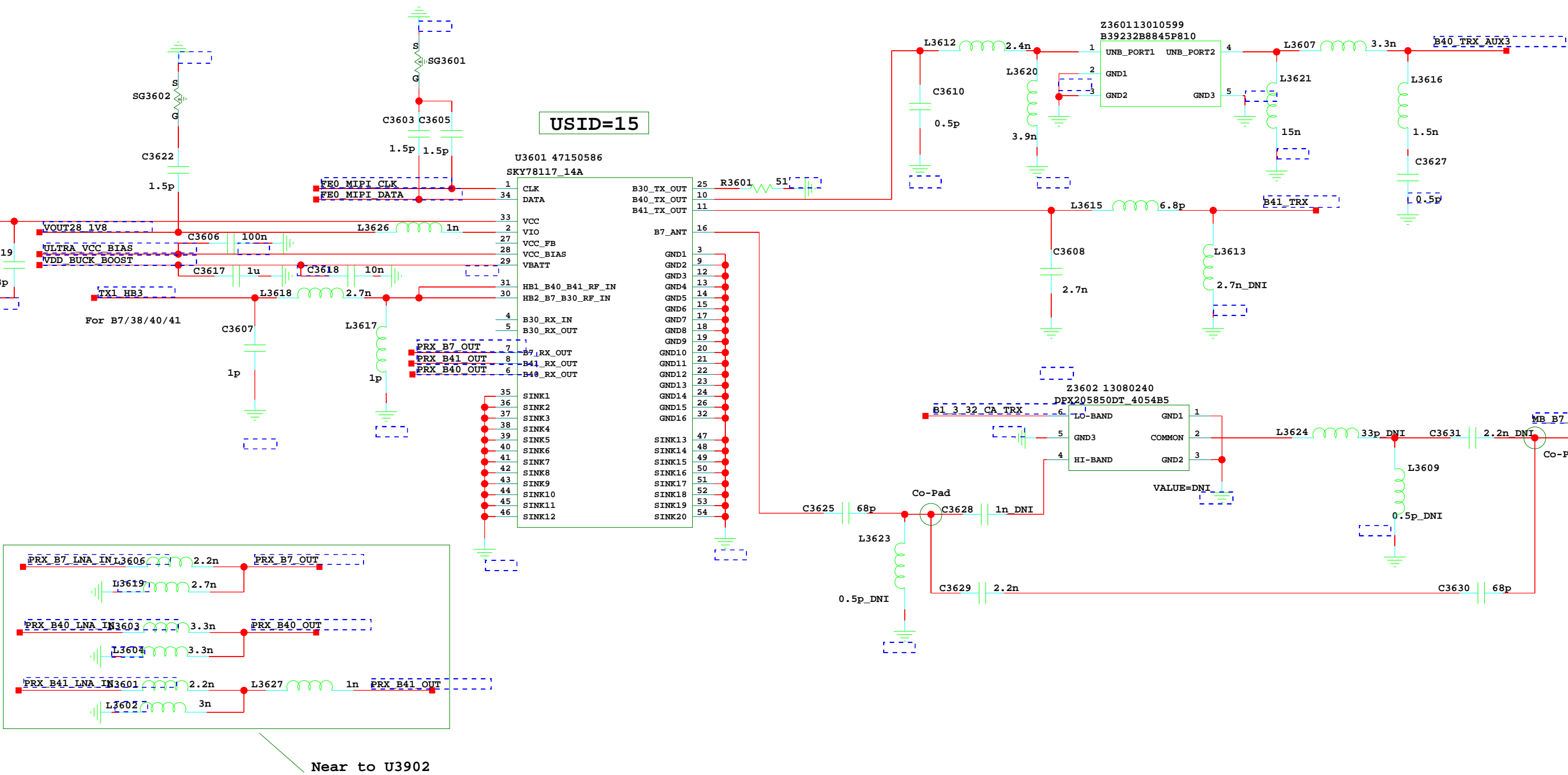
36. SKY78117_ULTRA2.5_HB

A

B

C

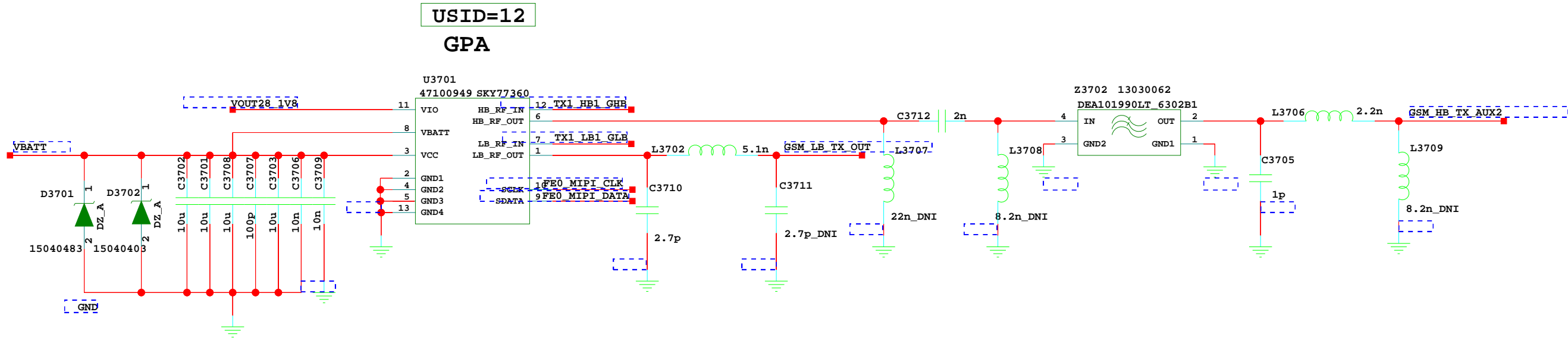
D



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 36 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

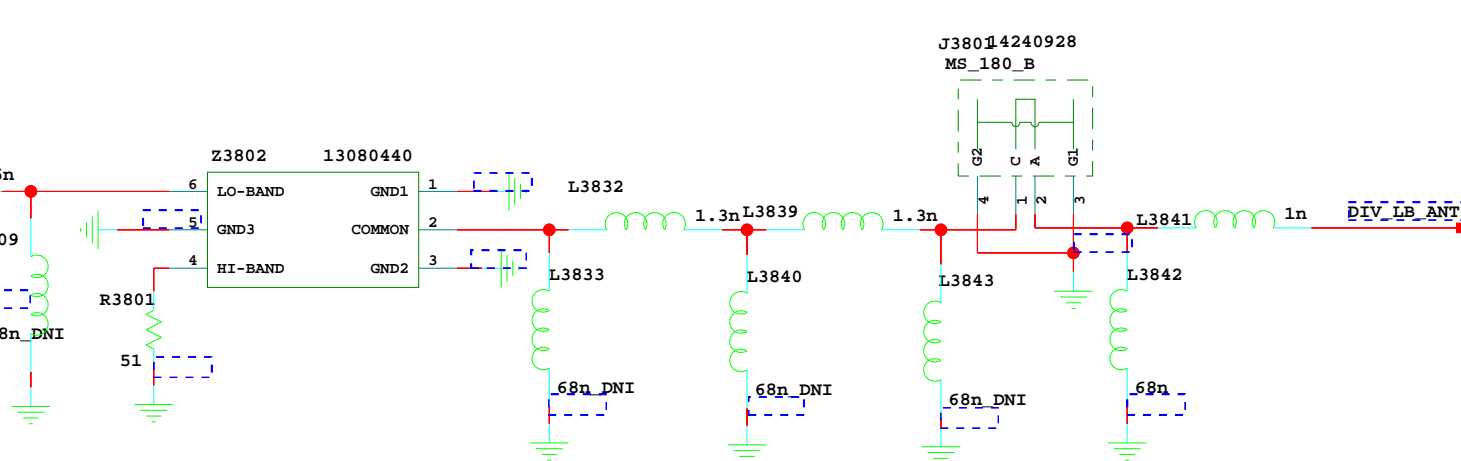
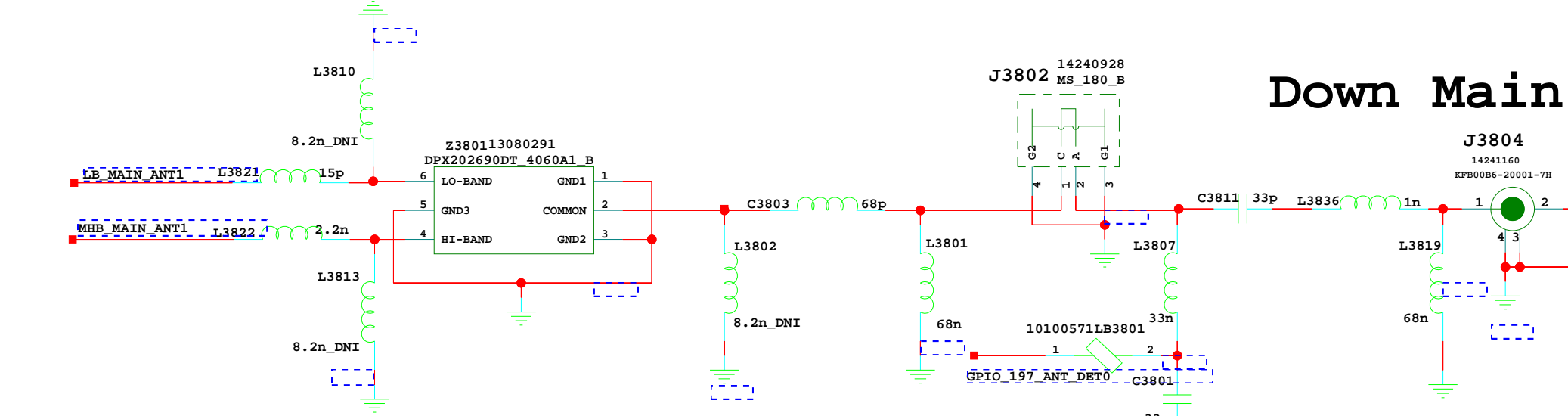
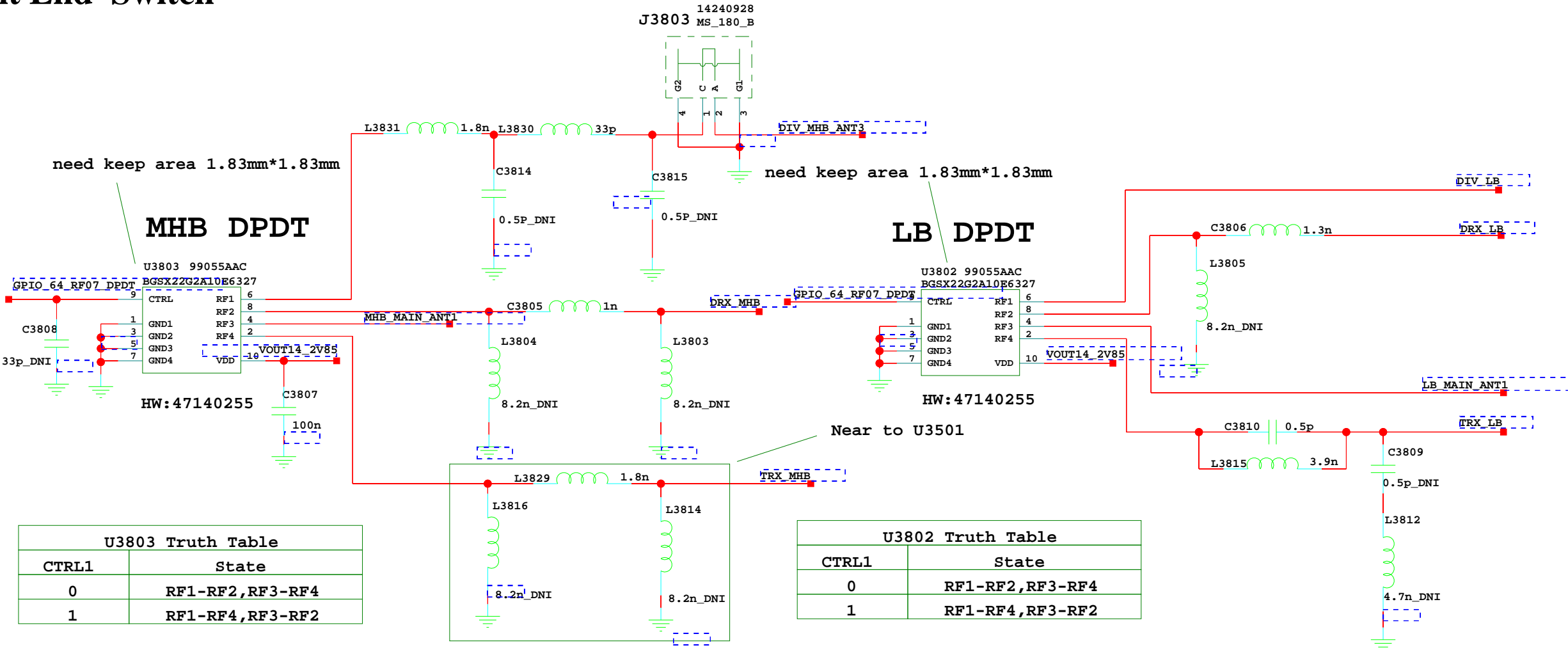
37. GPA



The type and specification of the components refer to the BOM

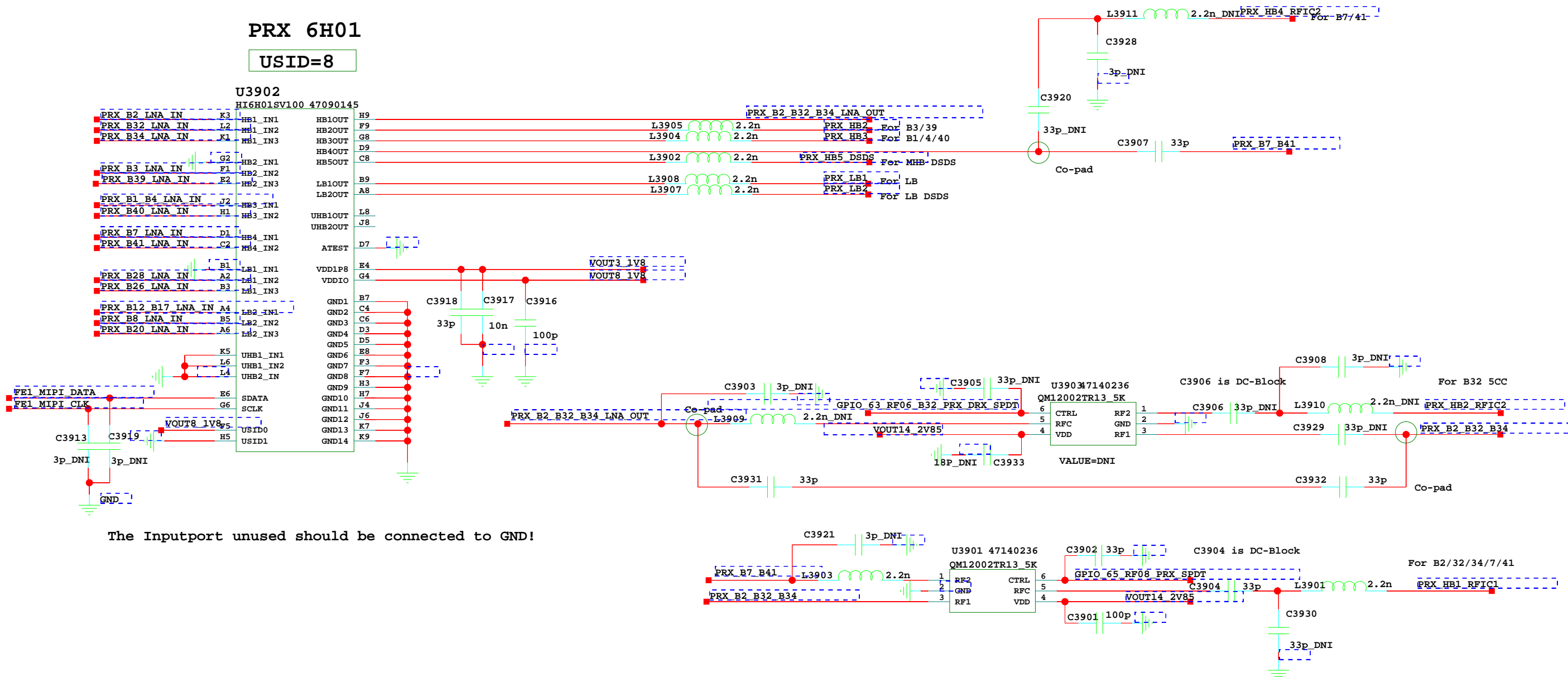
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 37 OF 60	
		B	03024HUV	HUAWEI TECH CO.,LTD.	

38. RF Front End Switch



The type and specification of the components refer to the BOM					
				ECA NO	DATE
DESIGNED	zhanglihong/00392637			03024HUV_SCHZH	
REVIEWED	xujianguo/00312186			03024HUV	
		VER	PART_NUMBER	SHEET 38 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

39. PRX LNA-6H01



The Inputport unused should be connected to GND!

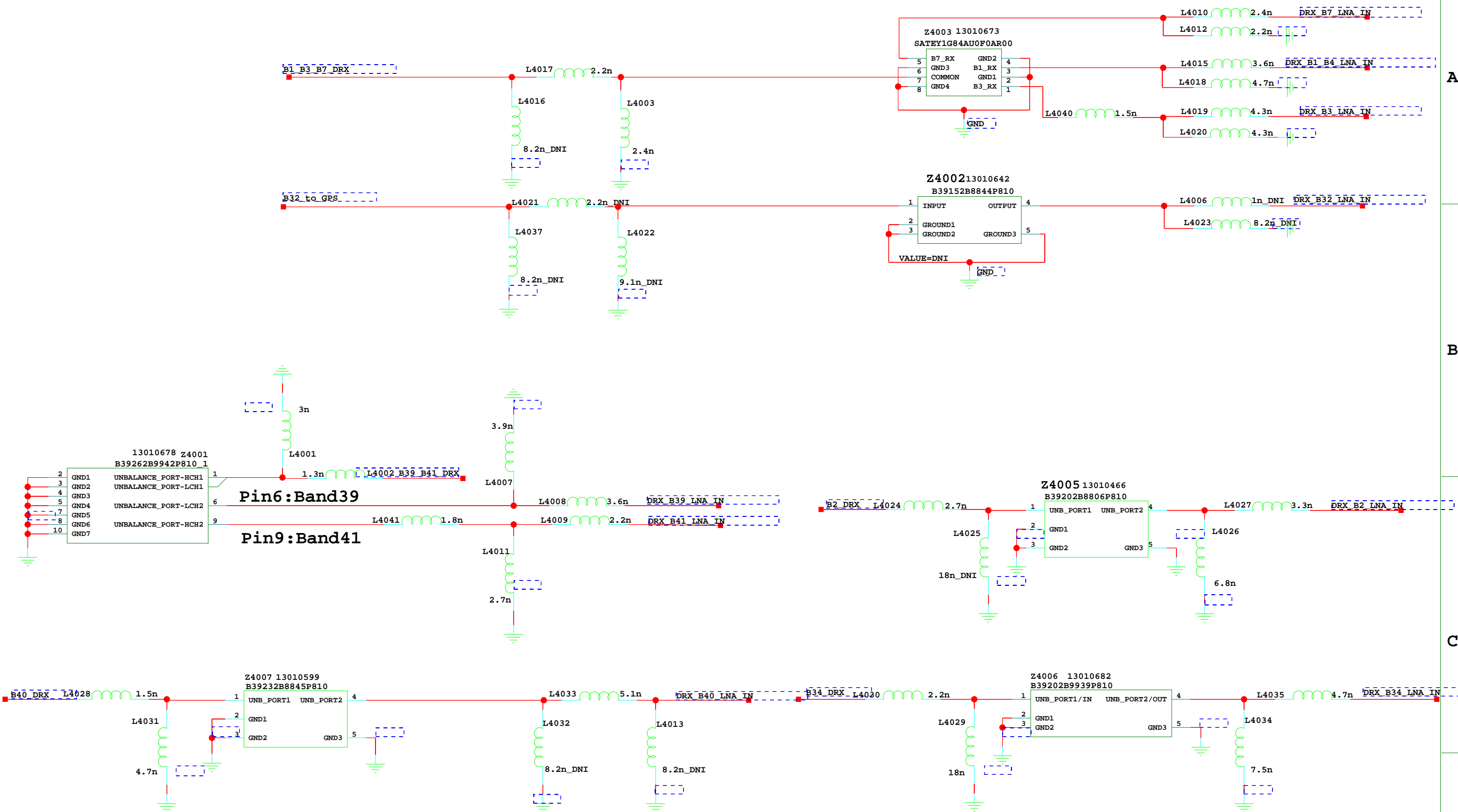
U3901 Truth Table	
CTRL1	State
0	RFC-RF1(B2_B32_B34)
1	RFC-RF2(B7_B41)

U3903 Truth Table	
CTRL1	State
0	RFC-RF1(B2_B32_B34)
1	RFC-RF2(B32_5CC)

The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 39 OF 60	
		A	03024HUV	HUAWAI TECH CO.,LTD.	

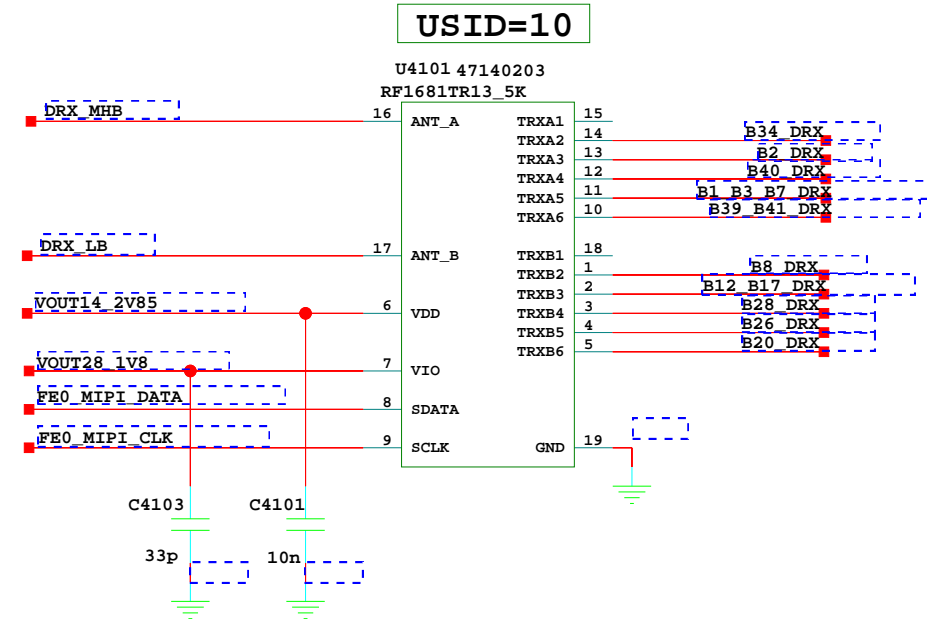
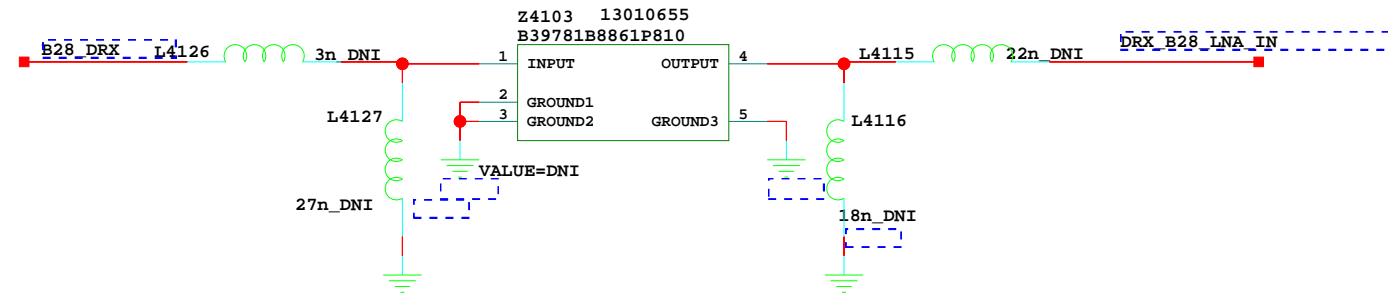
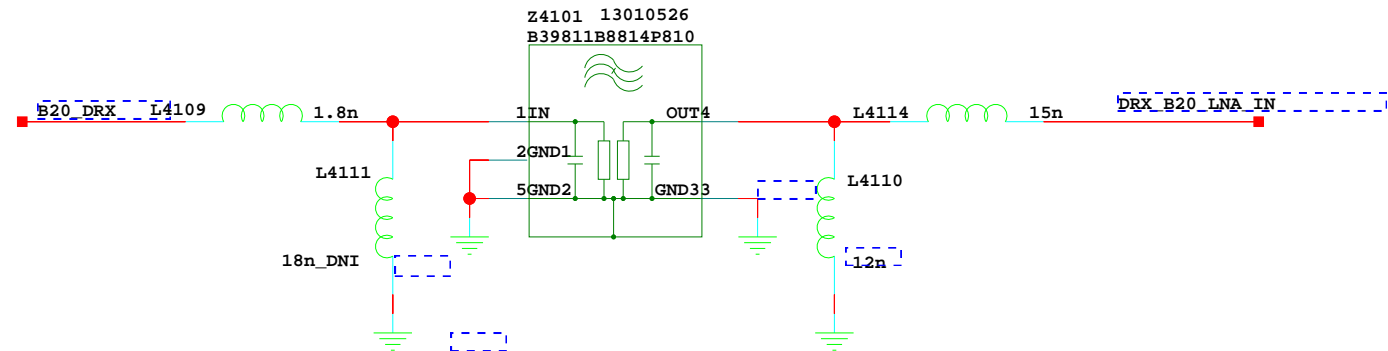
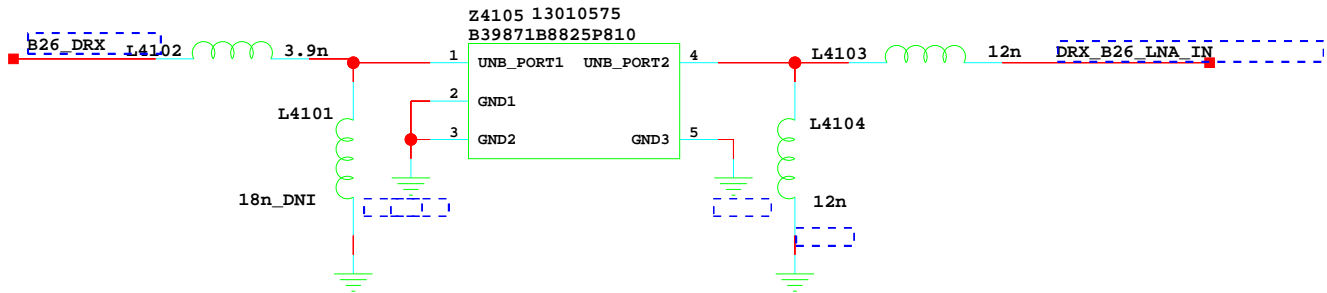
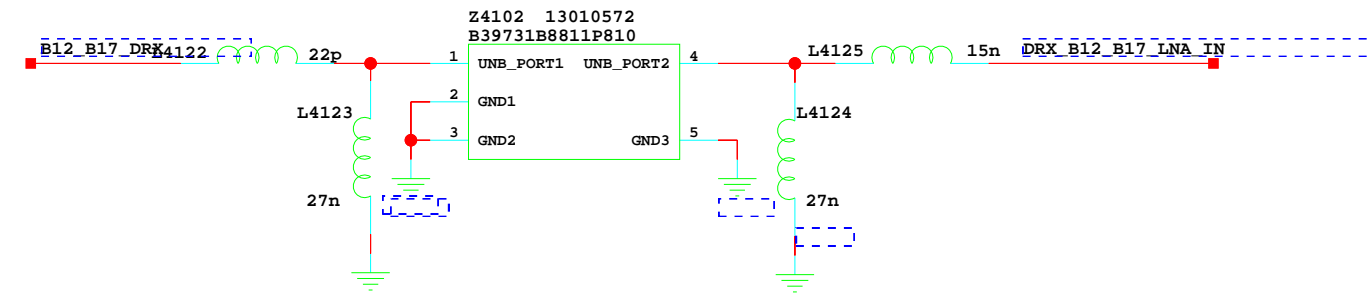
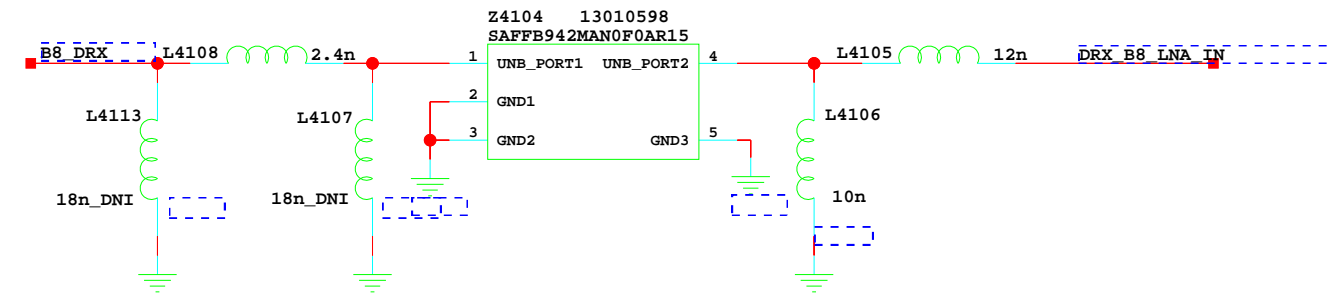
40. DRX MHB



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 40 OF 60	
		A	03024HUV	HUAWAI TECH CO.,LTD.	

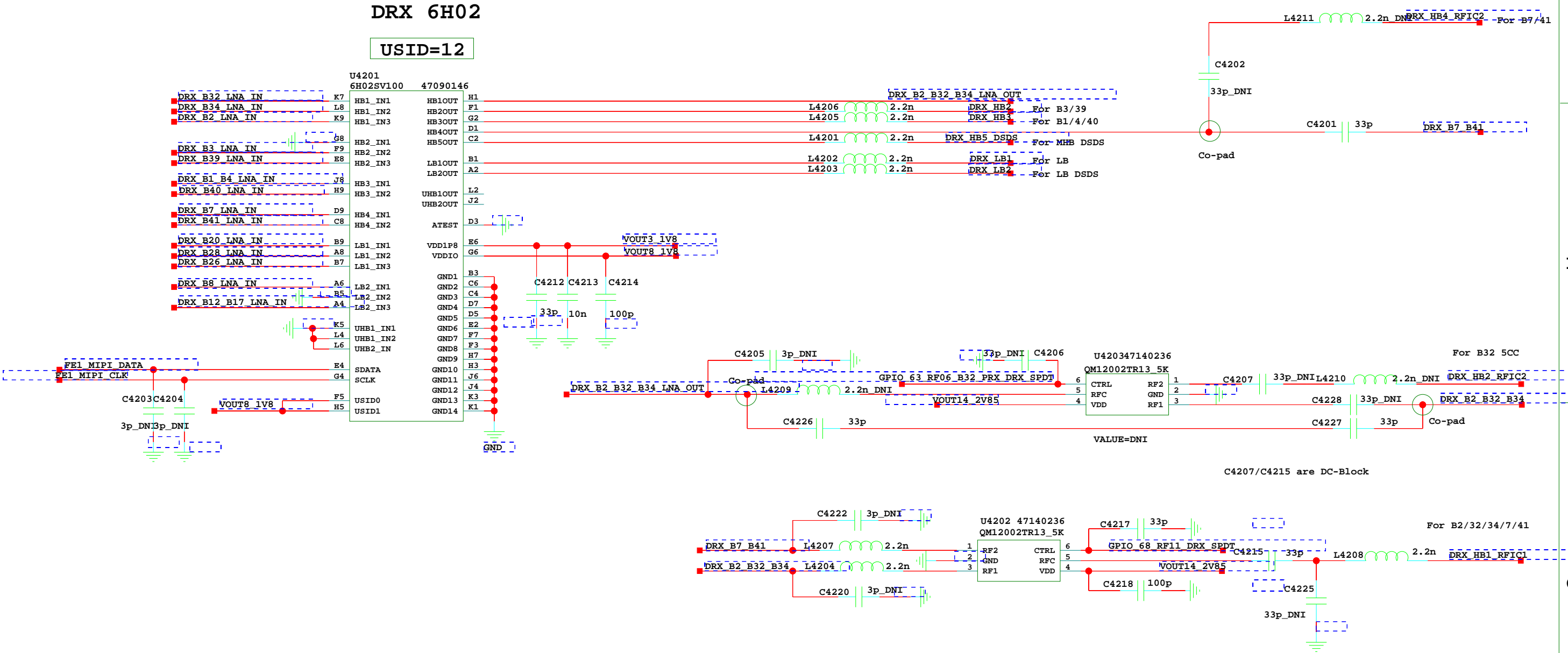
41. DRX_LB



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 41 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

42. DRX LNA Band --6H02



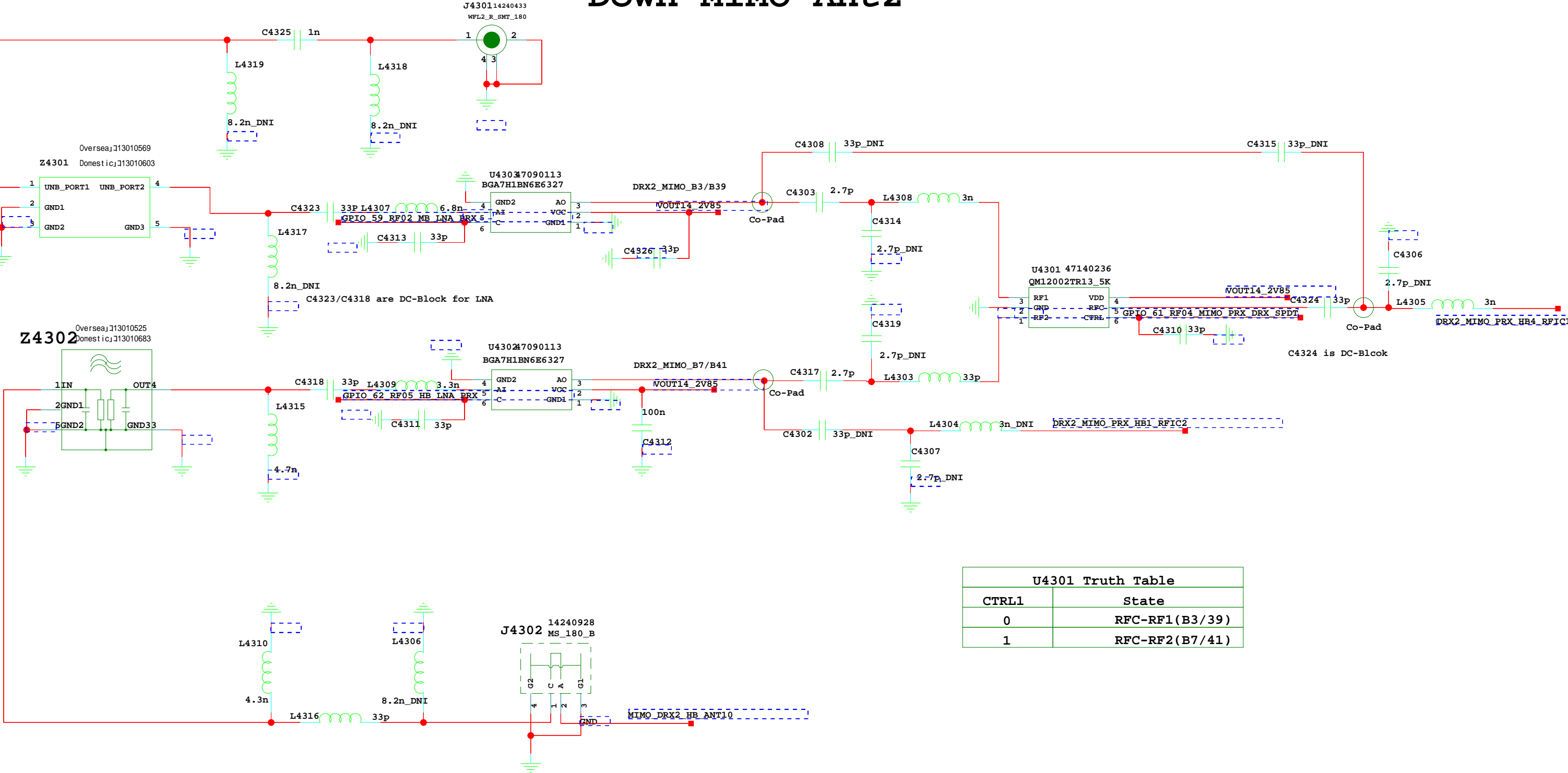
U4202 Truth Table	
CTRL1	State
0	RFC-RF1(B2_B32_B34)
1	RFC-RF2(B7_B41)

U4203 Truth Table	
CTRL1	State
0	RFC-RF1(B2_32_34)
1	RFC-RF2(B32_5CC)

The type and specification of the components refer to the BOM					
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 42 OF 60	
		A	03024HUV	HUAWAI TECH CO.,LTD.	

43. DRX2 MIMO

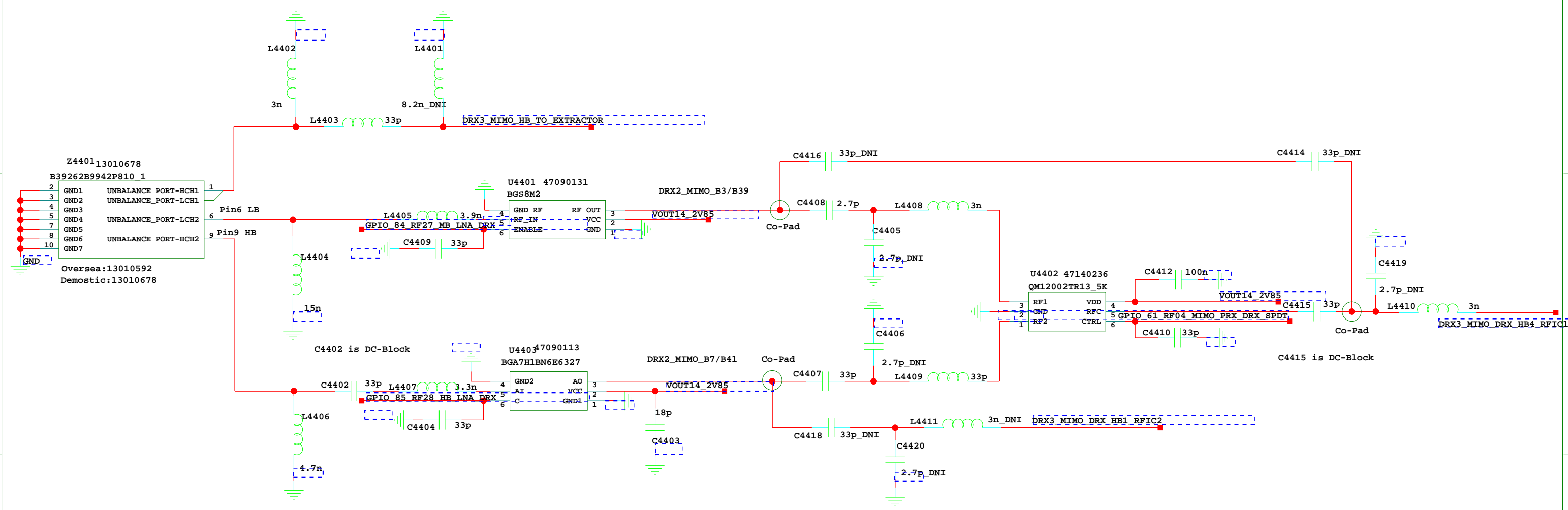
Down MIMO Ant2



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 43 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

44. DRX3 MIMO



U4402 Truth Table	
CTRL1	State
0	RFC-RF1(B3/39)
1	RFC-RF2(B7/41)

The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 44 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

47. B42 DRX

The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 47 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

1	2	3	4	5	6
48. Reserved					

	1	2	3	4	5	6
A	49. Reserved					
B						
C						
D						
	1	2	3	4	5	6

The type and specification of the components refer to the BOM

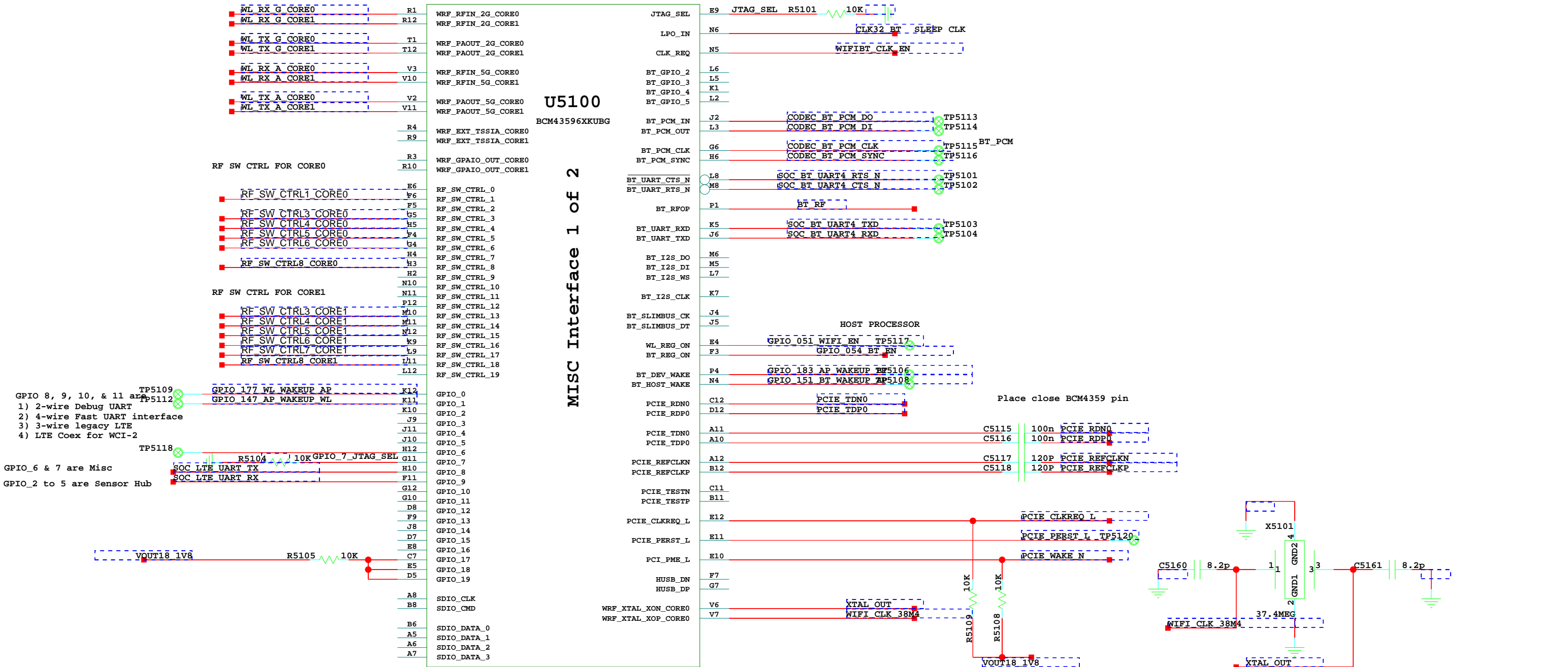
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 49 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

	1	2	3	4	5	6
A	50. Reserved					
B						
C						
D						
	1	2	3	4	5	6

The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637			HL1ABLANCM	
		03024HUV_SCHZH			
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 50 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

51. BCM43596 BB

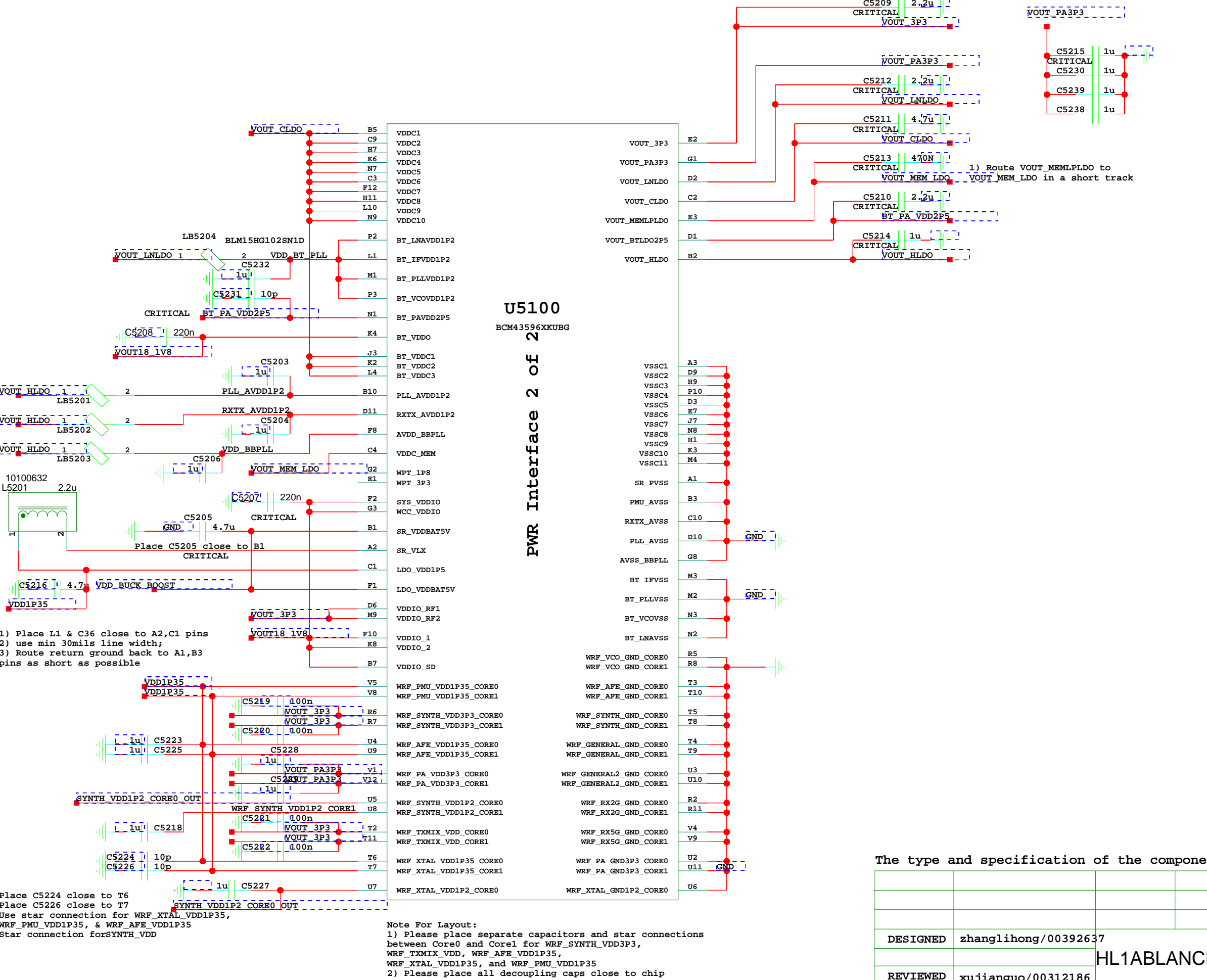


GPIO	Function	1	0
GPIO17	SDIO level select 1.8V		3.3V
GPIO18	SDIO interface	disable	enable
GPIO19	PCIE interface	enable	disable

The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 51 OF 60	
		A	03024HUV	HUAWAI TECH CO.,LTD.	

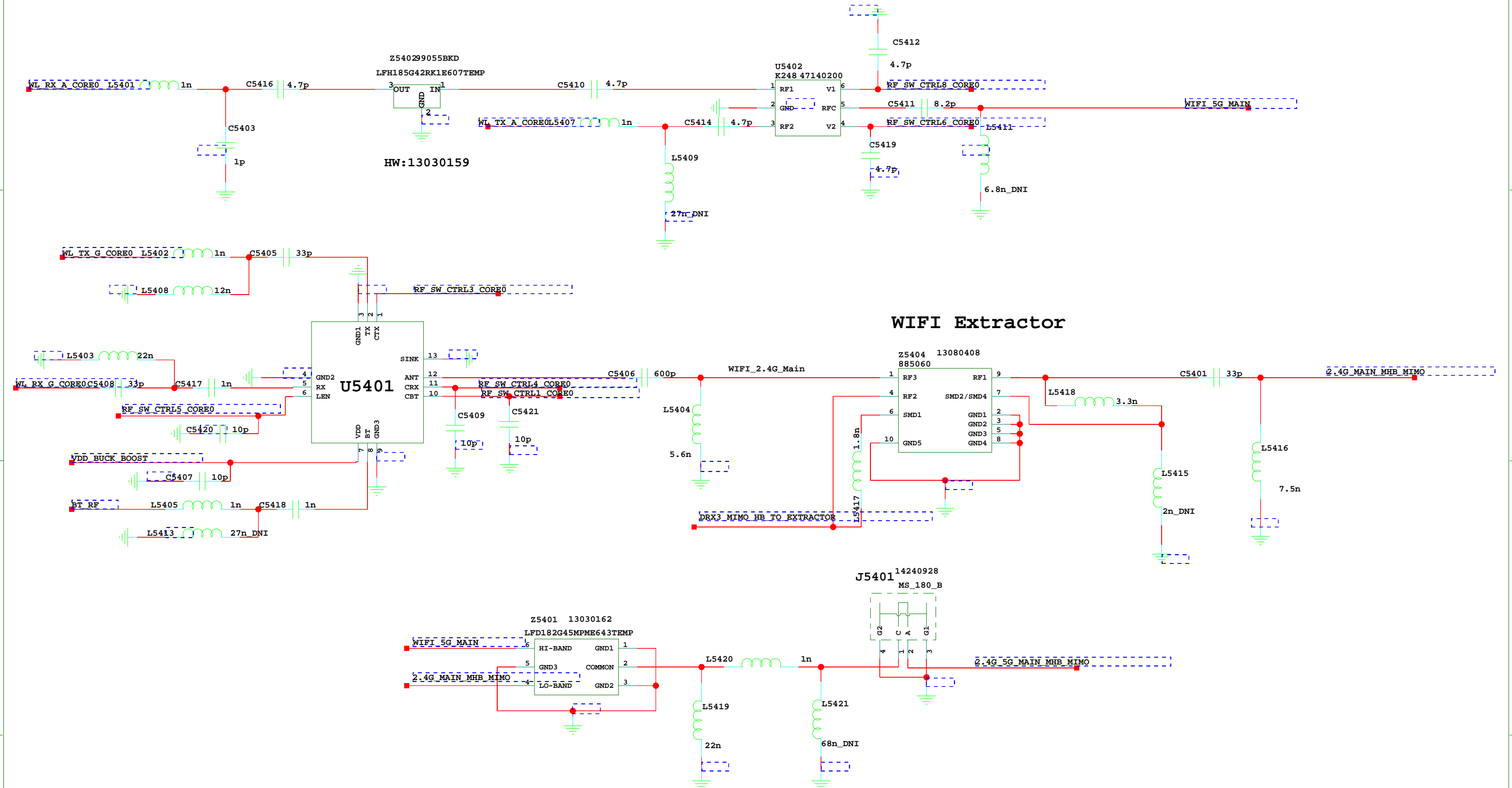
52. BCM43596 PWR



The type and specification of the components refer to the BOM				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 52 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

1	2	3	4	5	6
A	53. Reserved				
B					
C					
D					
			The type and specification of the components refer to the BOM		
					ECA NO
			DESIGNED	zhanglihong/00392637	DATE
				HL1ABLANCM	03024HUV_SCHZH
			REVIEWED	xujianguo/00312186	
				VER	PART_NUMBER
					SHEET 53 OF 60
				A	03024HUV
					HUAWEI TECH CO.,LTD.
1	2	3	4	5	6

54. WIFI RF0



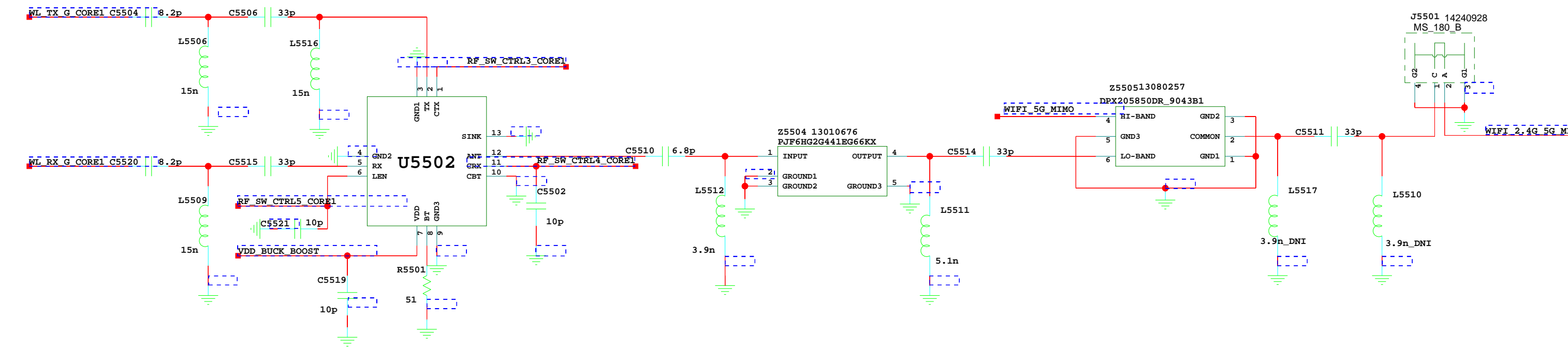
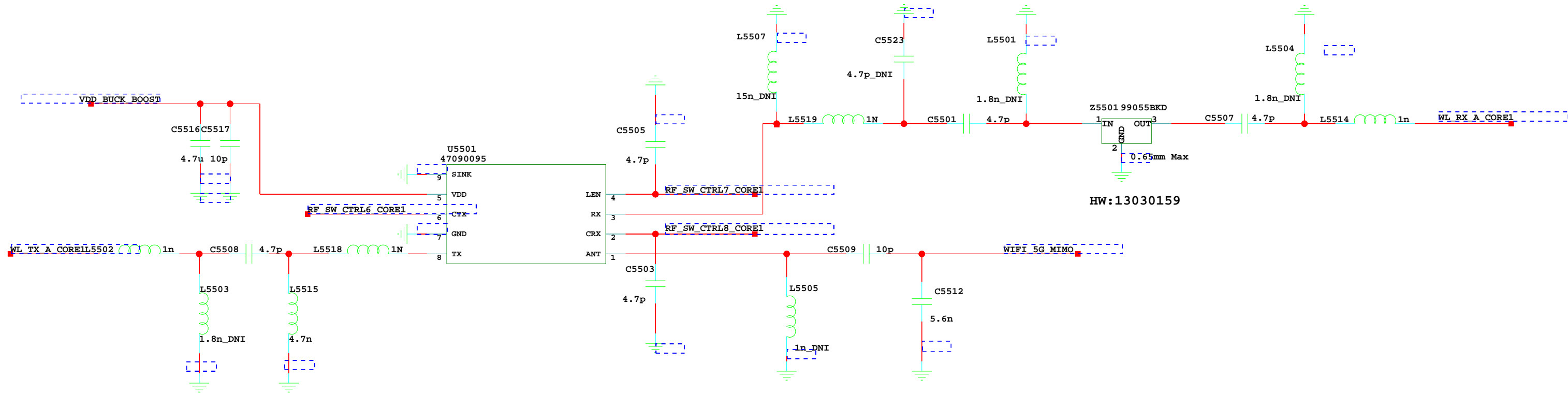
U5401 Control Logic				
Mode	CBT	CTX	LEN	CRX
ALL OFF	0	0	0	0
WLAN receive LNA	0	0	1	1
WLAN receive bypass	0	0	0	1
Bluetooth	1	0	0	0
WLAN transmit	0	1	0	0

U5402 Truth Table		
State	V1	V2
RFC to RF1-Rx	1	0
RFC to RF2-Tx	0	1

The type and specification of the components refer to the BOM

					10-07-2017_17:32
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186			SHEET 54 OF 60	
		VER	PART_NUMBER	HUAWEI TECH CO.,LTD.	
		A	03024HUV		

55. WIFI RF1



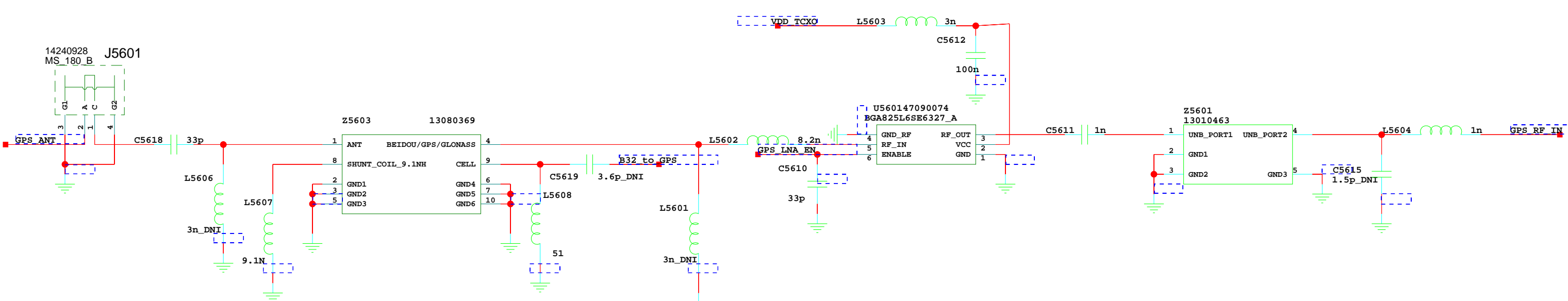
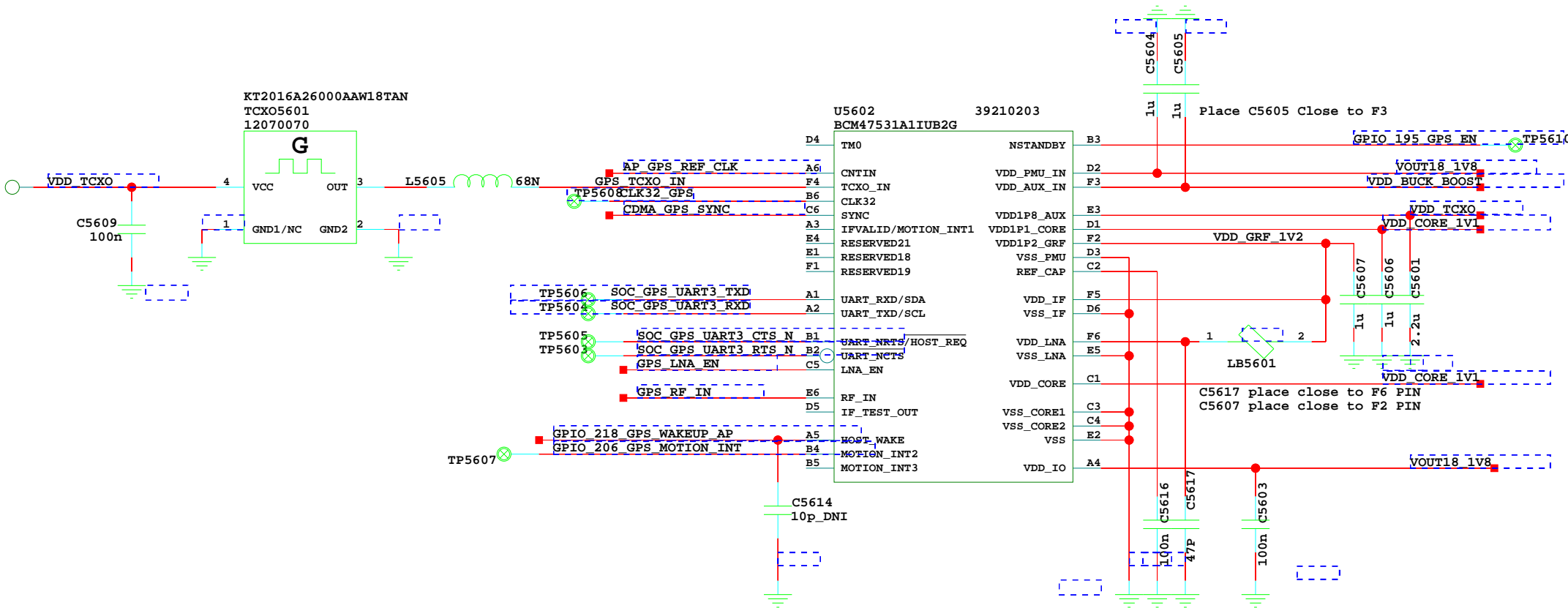
U5502 Control Logic				
Mode	CBT	CTX	LEN	CRX
ALL OFF	0	0	0	0
WLAN receive LNA	0	0	1	1
WLAN receive bypass	0	0	0	1
Bluetooth	1	0	0	0
WLAN transmit	0	1	0	0

U5501 Control Logic			
Mode	CRX	LEN	CTX
ALL OFF	0	0	0
WLAN receive LNA	1	1	0
WLAN receive bypass	1	0	0
WLAN transmit	0	0	1

The type and specification of the components refer to the BOM

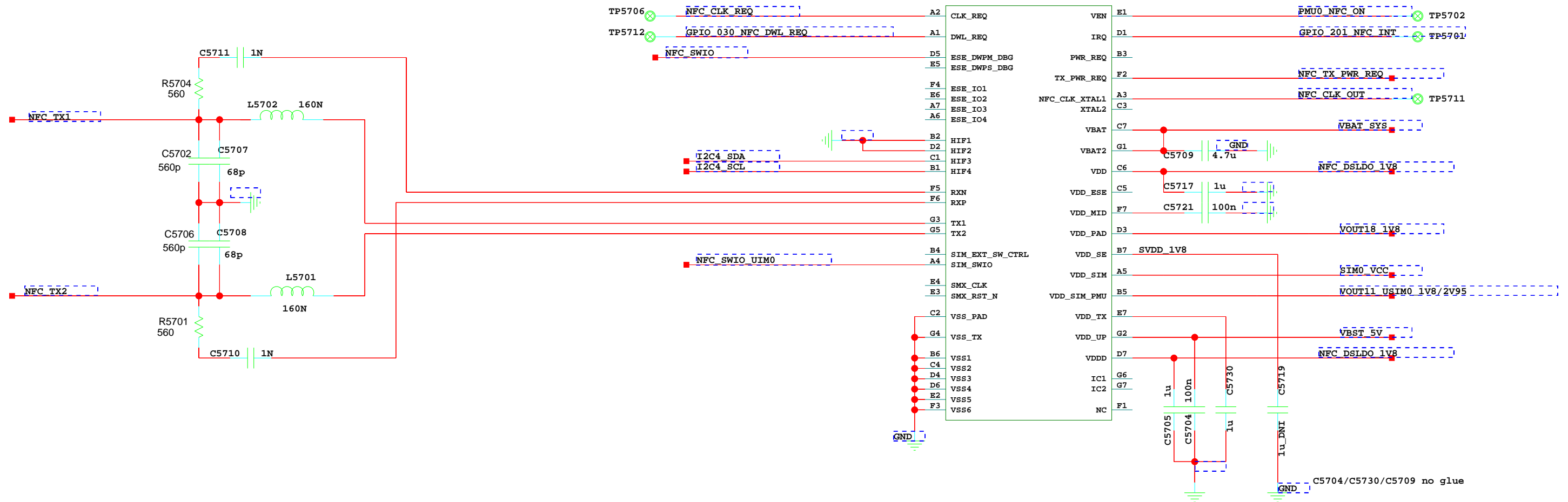
					07-08-2017_17:19
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 55 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

56. GPS



The type and specification of the components refer to the BOM					
				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 56 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD	

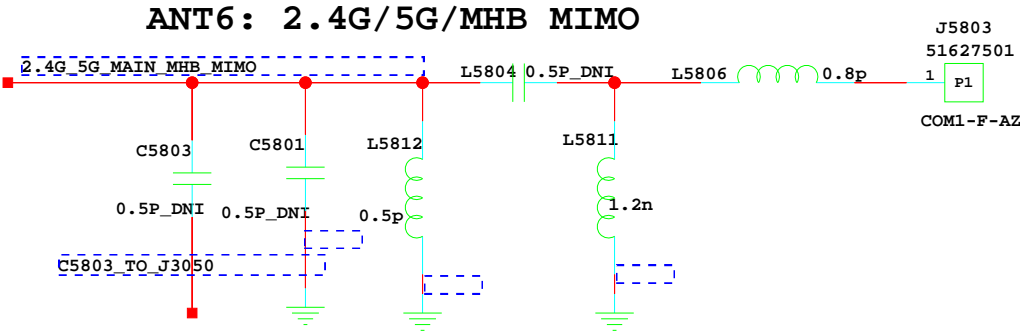
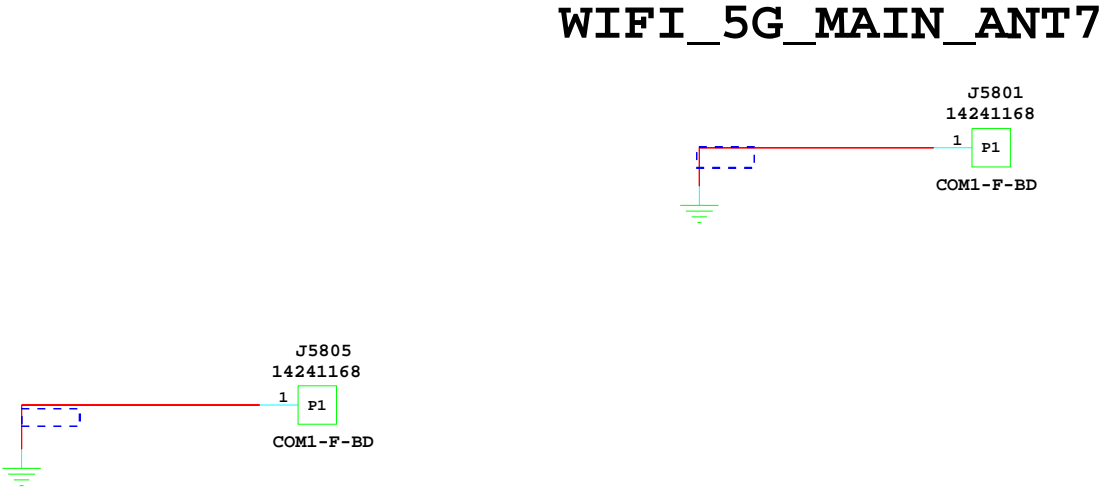
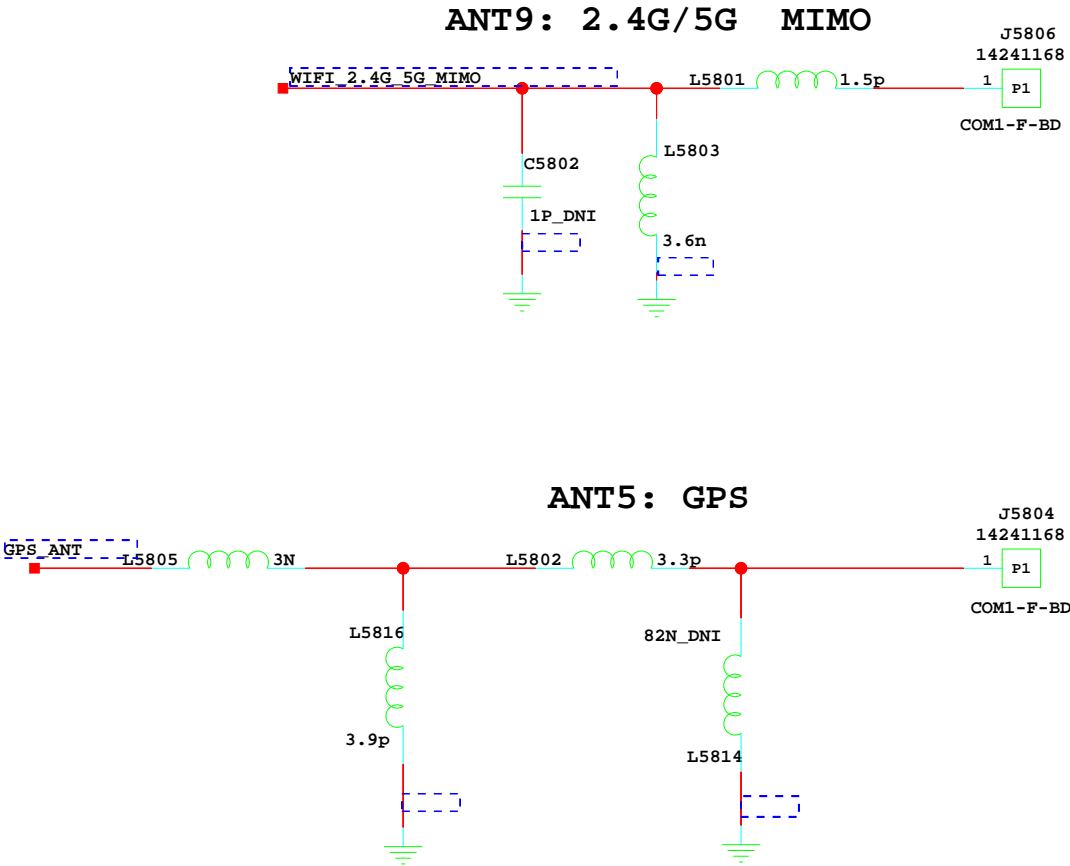
57.NFC



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 57 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

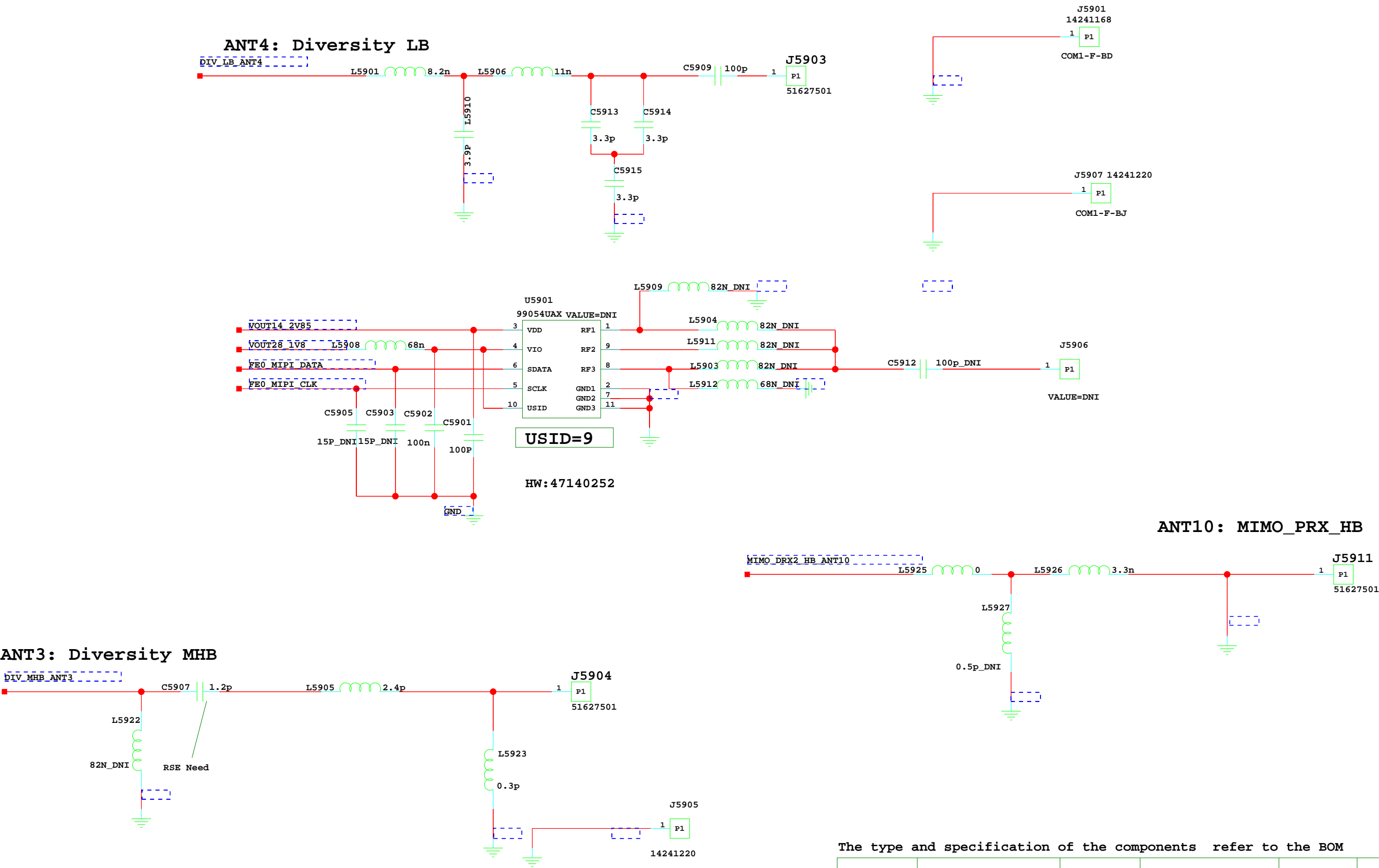
58. ANT5/6/9 GPS/WIFI ANT



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 58 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	

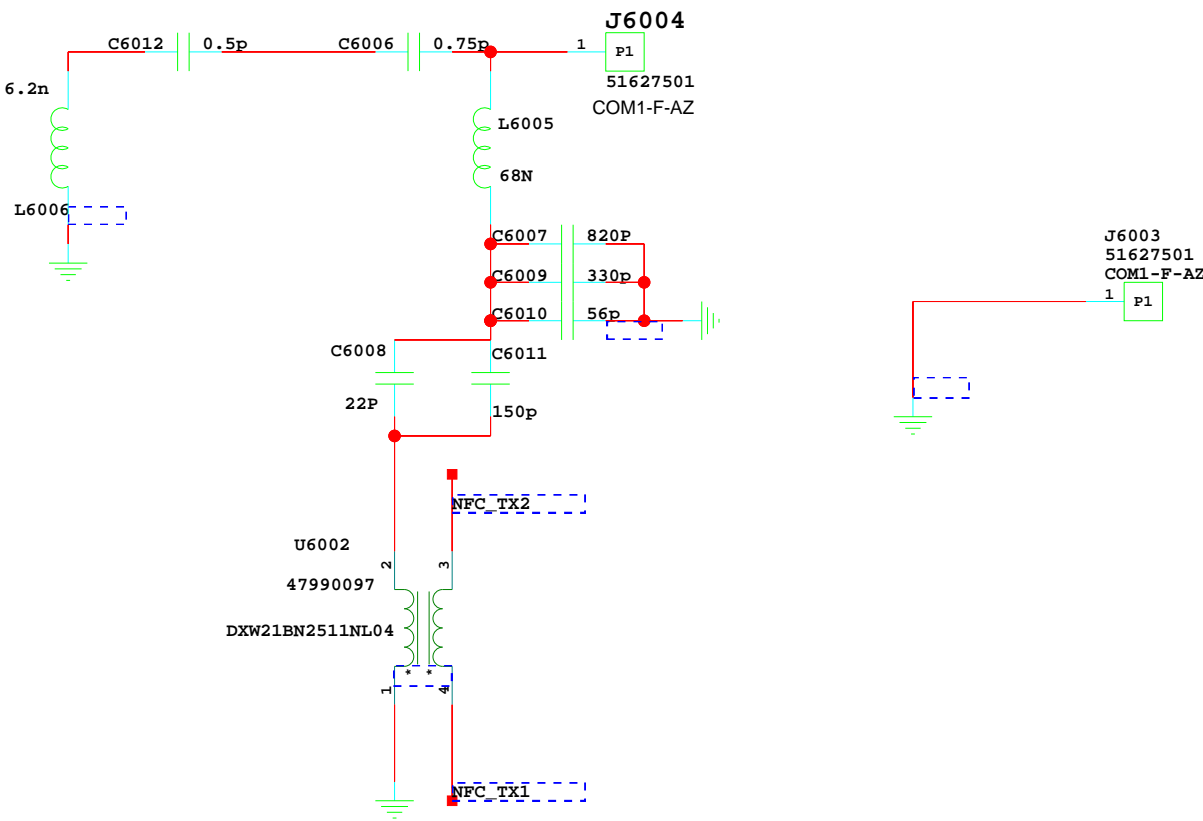
59. ANT3/4 DIV ANT /ANT FPC



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 59 OF 60	
		A	03024HUV	HUAWAI TECH CO.,LTD.	

60. Antenna Tunner



The type and specification of the components refer to the BOM

				ECA NO	DATE
DESIGNED	zhanglihong/00392637	HL1ABLANCM		03024HUV_SCHZH	
REVIEWED	xujianguo/00312186				
		VER	PART_NUMBER	SHEET 60 OF 60	
		A	03024HUV	HUAWEI TECH CO.,LTD.	