

# Catalog

## BB

1. Catalog
2. PM8909 Control/Clock
3. PM8909 Charger
4. PM8909 MPP/GPIO
5. PM8909 SMPS
6. PM8909 LDO
7. PM8909 CODEC
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9. MSM8909 EBI Interface
10. MSM8909 GPIO
11. MSM8909 RF/MIPI Interface
12. MSM8909 Power Interface 1
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14. MSM8909 GND
15. eMMC&LPDDR3
16. Battery/Micro USB Connector
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20. LCD interface and backlight driver
21. Main/Slave Camera and Flash LED
22. Sensor
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24. Keypad/LED/Status indicator
25. Touch interface
26. Test Points/GND/Shields
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## RF

- 31-RF Interface
- 32-Main Antenna Switcher
- 33-TRX UMTS B1
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- 36-TRX UMTS B8
- 37-TRX TDS B39
- 38-MMMB PA
- 39-Marching Circuit of MMMBPA
- 40-TRX UMTS B2/RX GSM1900
- 41-TRX B28L/B20/B12/B28H
- 42-Reserved
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- 45-DRX B40/B41
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- 48-Reserved
- 49-Reserved
- 50-Reserved
- 51-Reserved
- 52-Reserved
- 53-Reserved
- 54-Reserved
- 55-Reserved
- 56-WTR4905
- 57-Reserved
- 58-ET APT

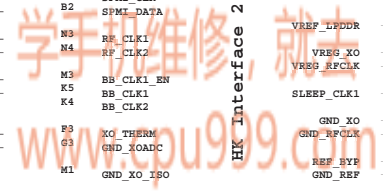
## RF

- 59-GPS
- 60-WCN3610 BB
- 61-WCN3610 RF
- 62-Reserved
- 63-Reserved
- 64-Reserved
- 65-Reserved
- 66-ANT Tunner
- 67-ANT Match
- 68-Reserved
- 69-Reserved

The type and specification of the components refer to the BOM

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				ECA NO
				DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH
REVIEWED	YANTAO 00203569			
		VER	PART_NUMBER	SHEET 1-Catalog
		D	03023DNW	HUAWEI TECH CO.,LTD.

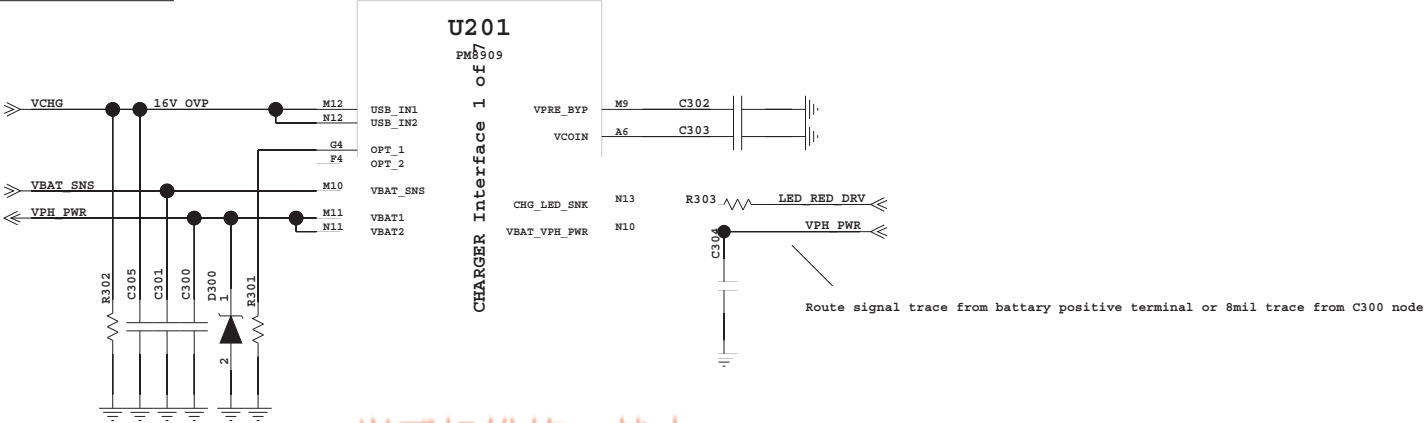
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				ECA NO		DATE	
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REVIEWED	YANTAO 00203569						
		VER	PART_NUMBER	SHEET	2-PMSF09	Control/Cloc	
		D	03023DNW	HUAWEI TECH CO.,LTD.			

3. PM8909 Charger

PINS	Hi Z	GND
OPT_1	NO SMB1360	SMB1360 present
OPT_2	NO Ext APC buck	Ext APC buck present



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The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
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		D	03023DNW	HUAWEI TECH CO.,LTD.	

# 4. PM8909 MPP/GPIO

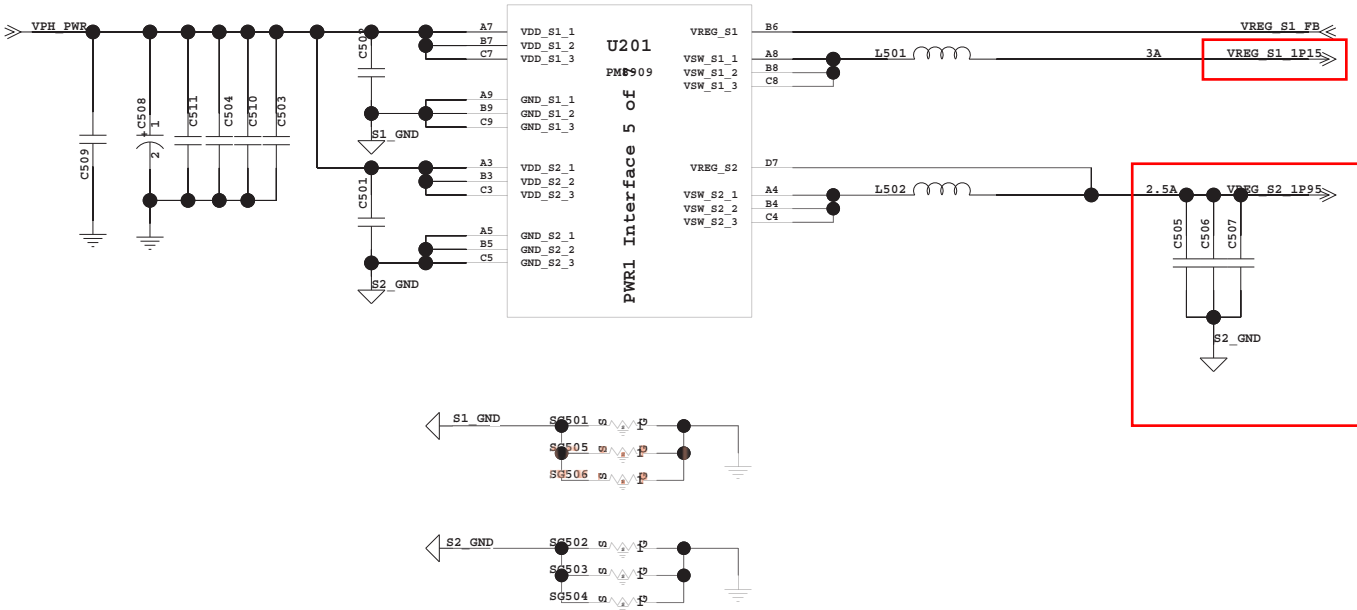


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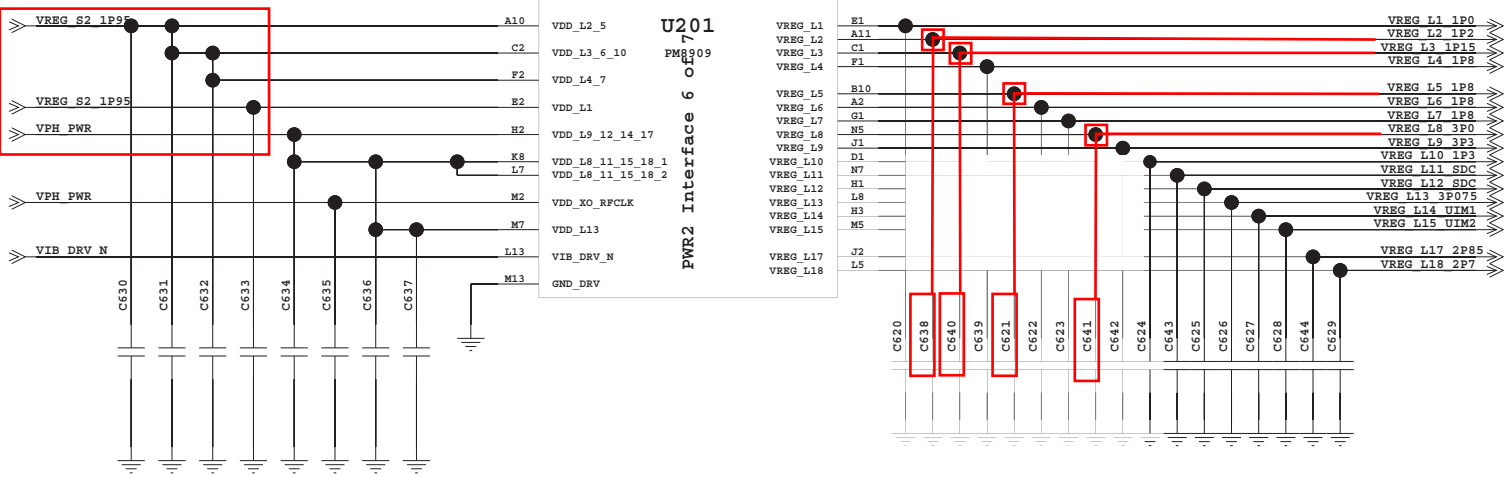
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REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	4-PM8909 MPP/GPIO
		D	03023DNW	HUAWEI TECH CO.,LTD.	

5. PM8909 SMPS



The type and specification of the components refer to the BOM				
				2015-04-17
				ECA NO DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH
REVIEWED	YANTAO 00203569			
		VER	PART_NUMBER	SHEET 5-PM8909 SMPS
		D	03023DNW	HUAWEI TECH CO.,LTD.

6. PM8909 LDO



Pesudo-LDO route Requirement

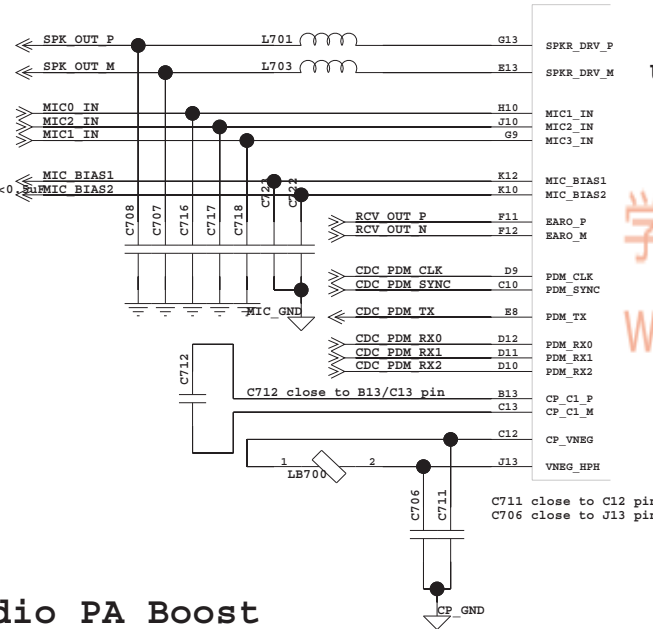
L4/L8/L9/L11/L17	L<18nH	R<150m ohm	C>4.7uF
L5/L6/L7	L<18nH	R<150m ohm	C>1uF
L12/L18	L<20nH	R<200m ohm	C>1uF
L13/L14/L15	L<45nH	R<400m ohm	C>1uF

Output	Default V	Output Range	Rate Current	Default on	function
VREG_S1	1.15	0.375-1.562	3000	ON	Modem IC digital Core/Processors
VREG_S2	1.95	0.375-1.562	2500	ON	Audio/LDOs
VREG_L1	1.0	0.375-1.525	135	OFF	Low Voltage RF
VREG_L2	1.2	0.375-1.525	624	ON	EBI/LPDDR/eMMC/analog MIPI
VREG_L3	1.225	0.375-1.525	360	ON	Modem IC memory/PLLs
VREG_L4	1.8	1.75-3.337	170	OFF	High Voltage RF/GPS eLNA
VREG_L5	1.8	1.75-3.337	300 with OCP	ON	eMMC/Pad groups 3;6/7/LPDDR
VREG_L6	1.8	1.75-3.337	156 with OCP	OFF	Dispaly/Camera/Sensor
VREG_L7	1.8	1.75-3.337	108 with OCP	OFF	Analog 2/HKADC/BBCLK/USB LV
VREG_L8	3.0	1.75-3.337	520	OFF	eMMC
VREG_L9	3.3	1.75-3.337	515	OFF	WCN PA
VREG_L10	1.3	1.75-3.337	300	OFF	Modem analog 1/WCN
VREG_L11	2.95	1.75-3.337	600 with OCP	OFF	SD/MMC Card
VREG_L12	2.95	1.75-3.337	50	OFF	Pad group 2(SDC2)
VREG_L13	3.075	1.75-3.337	50	OFF	USB High Voltage
VREG_L14	1.8	1.75-3.337	55	ON	UIM1 Pad group 5
VREG_L15	1.8	1.75-3.337	55	OFF	UIM2 Pad group 6
VREG_L17	2.85	1.75-3.337	418	OFF	Dispaly/Camera/Sensor
VREG_L18	2.7	1.75-3.337	150	OFF	RFFE
VREG_XO	1.74	1.74	5	ON	XO Oscillator circuit
VREG_RFCLK	1.74	1.74	5	ON	Lower Noise Clk buffer

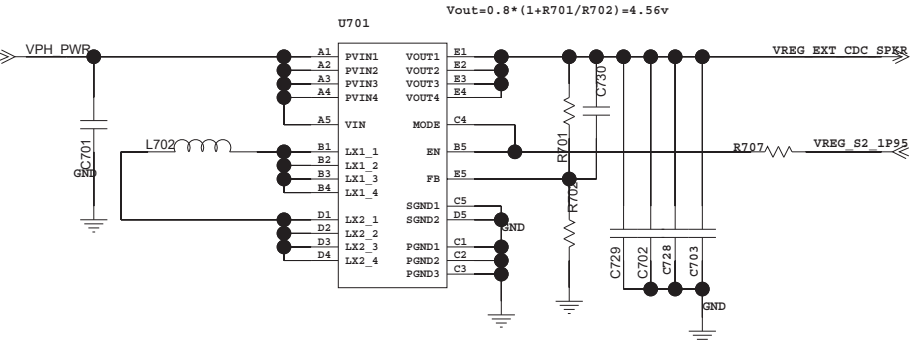
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REVIEWED	REVIEWED=YANTAO 00203569		03023DNW_SCHZH	
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	D	03023DNW	HUAWEI TECH CO.,LTD.	

7. PM8909 CODEC

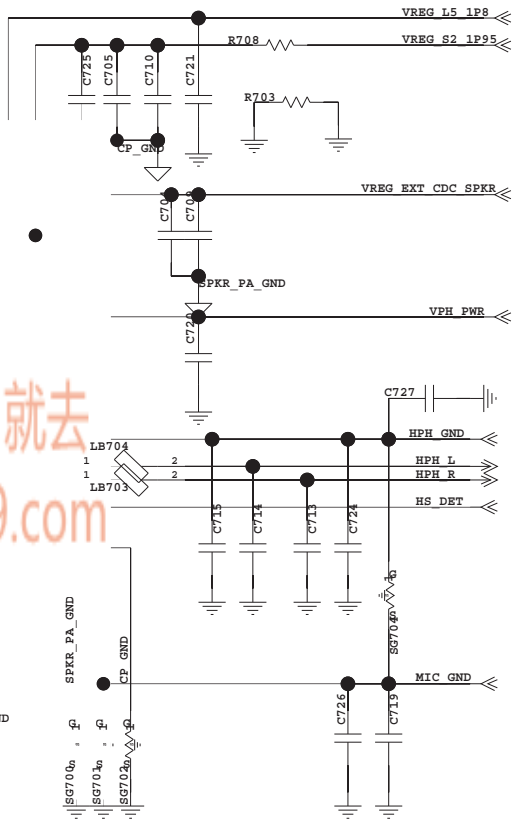
Micbias 1=1.8v  
Micbias 2=2.85v  
0.1uF<Micbias Total Capacitance <0.1uF



Ext Audio PA Boost



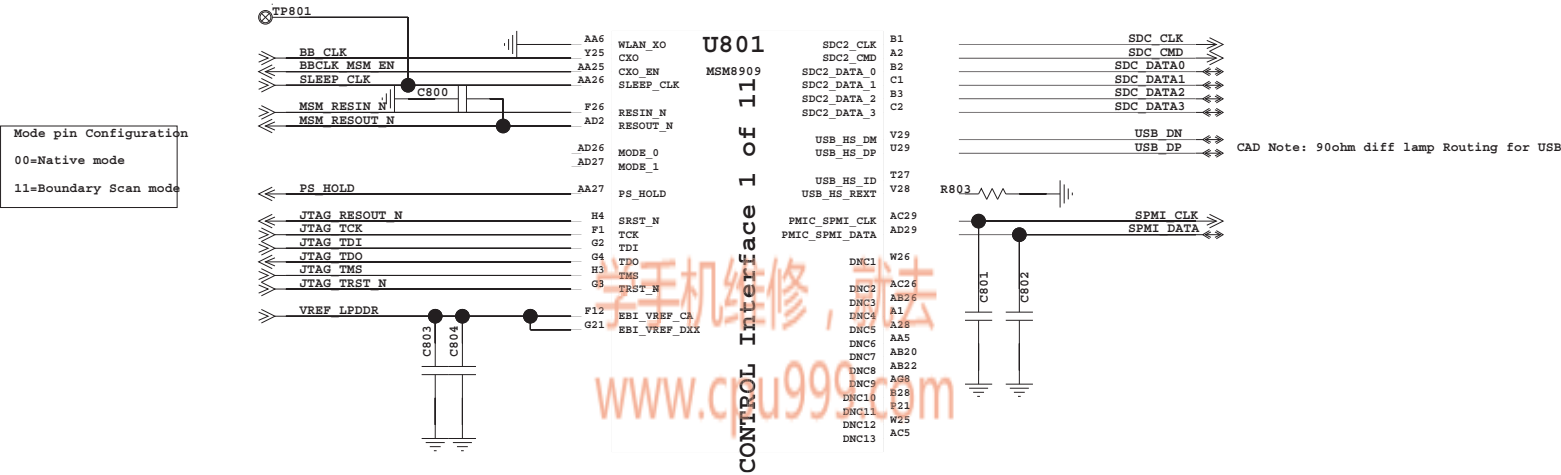
U201  
PM8909  
CDC Interface 4 of 7



The type and specification of the components refer to the BOM

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REVIEWED	REVIEWED=YANTAO 00203569				
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		D	03023DNW	HUAWEI TECH CO.,LTD.	

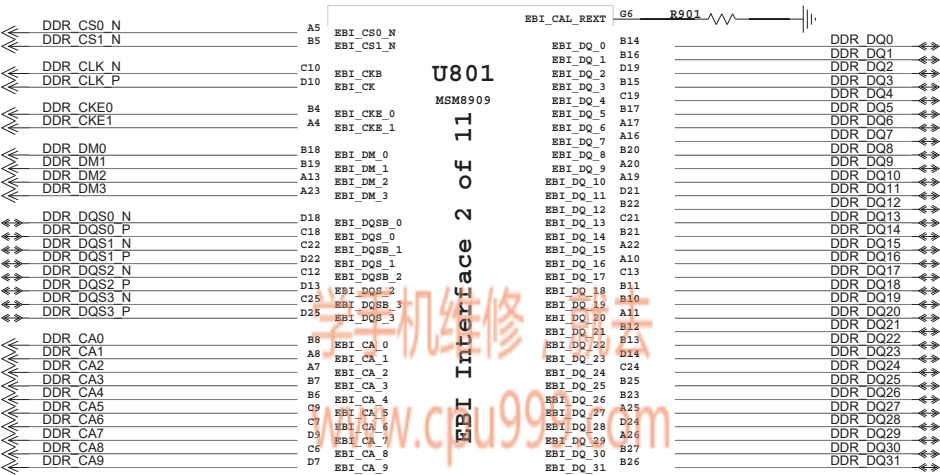
8. MSM8909 Control



The type and specification of the components refer to the BOM					
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REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	8-MSM89096@control
		D	03023DNW	HUAWEI TECH CO.,LTD.	



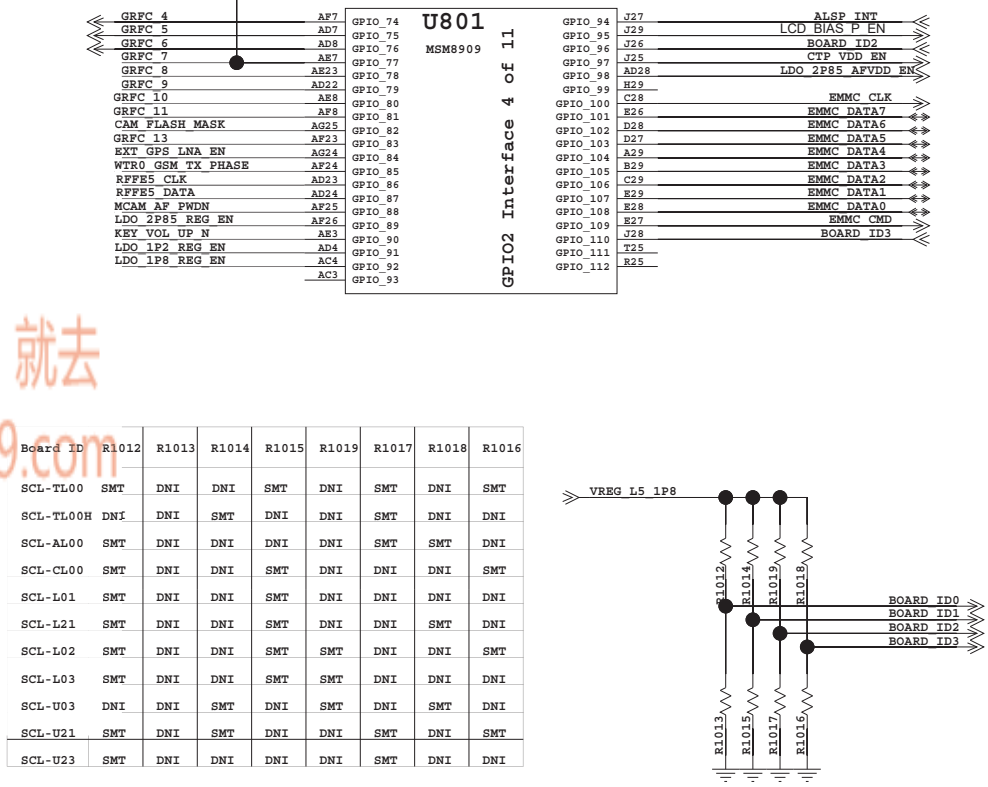
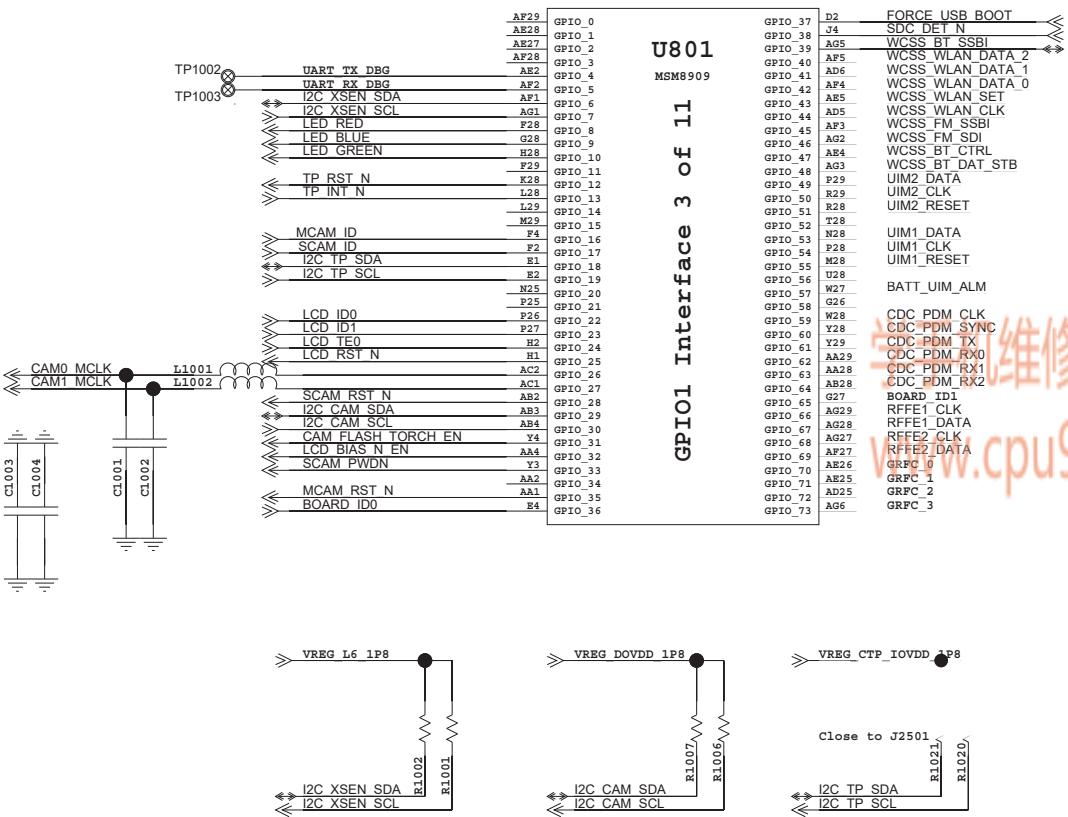
9. MSM8909 EBI Interface



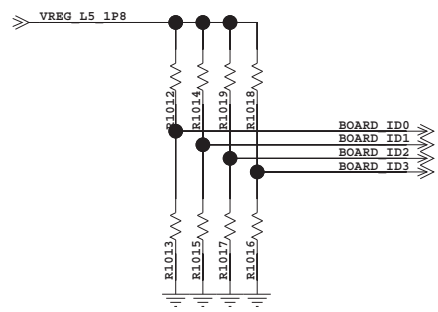
The type and specification of the components refer to the BOM

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REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	9-MSM8909EBI
		D	03023DNW	HUAWEI TECH CO.,LTD.	

10. MSM8909 GPIO



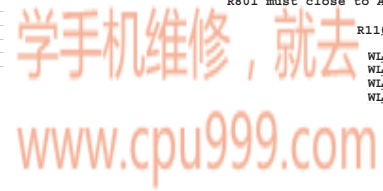
Board ID	R1012	R1013	R1014	R1015	R1019	R1017	R1018	R1016
SCL-TL00	SMT	DNI	DNI	SMT	DNI	SMT	DNI	SMT
SCL-TL00H	DNI	DNI	SMT	DNI	DNI	SMT	DNI	DNI
SCL-AL00	SMT	DNI	DNI	DNI	DNI	SMT	SMT	DNI
SCL-CL00	SMT	DNI	DNI	SMT	DNI	DNI	DNI	SMT
SCL-L01	SMT	DNI	DNI	SMT	DNI	DNI	DNI	DNI
SCL-L21	SMT	DNI	DNI	SMT	DNI	DNI	SMT	DNI
SCL-L02	SMT	DNI	DNI	SMT	SMT	DNI	DNI	SMT
SCL-L03	SMT	DNI	DNI	SMT	SMT	DNI	DNI	DNI
SCL-U03	DNI	DNI	SMT	DNI	SMT	DNI	SMT	DNI
SCL-U21	SMT	DNI	SMT	DNI	DNI	SMT	DNI	SMT
SCL-U23	SMT	DNI	DNI	DNI	DNI	SMT	DNI	DNI



The type and specification of the components refer to the BOM

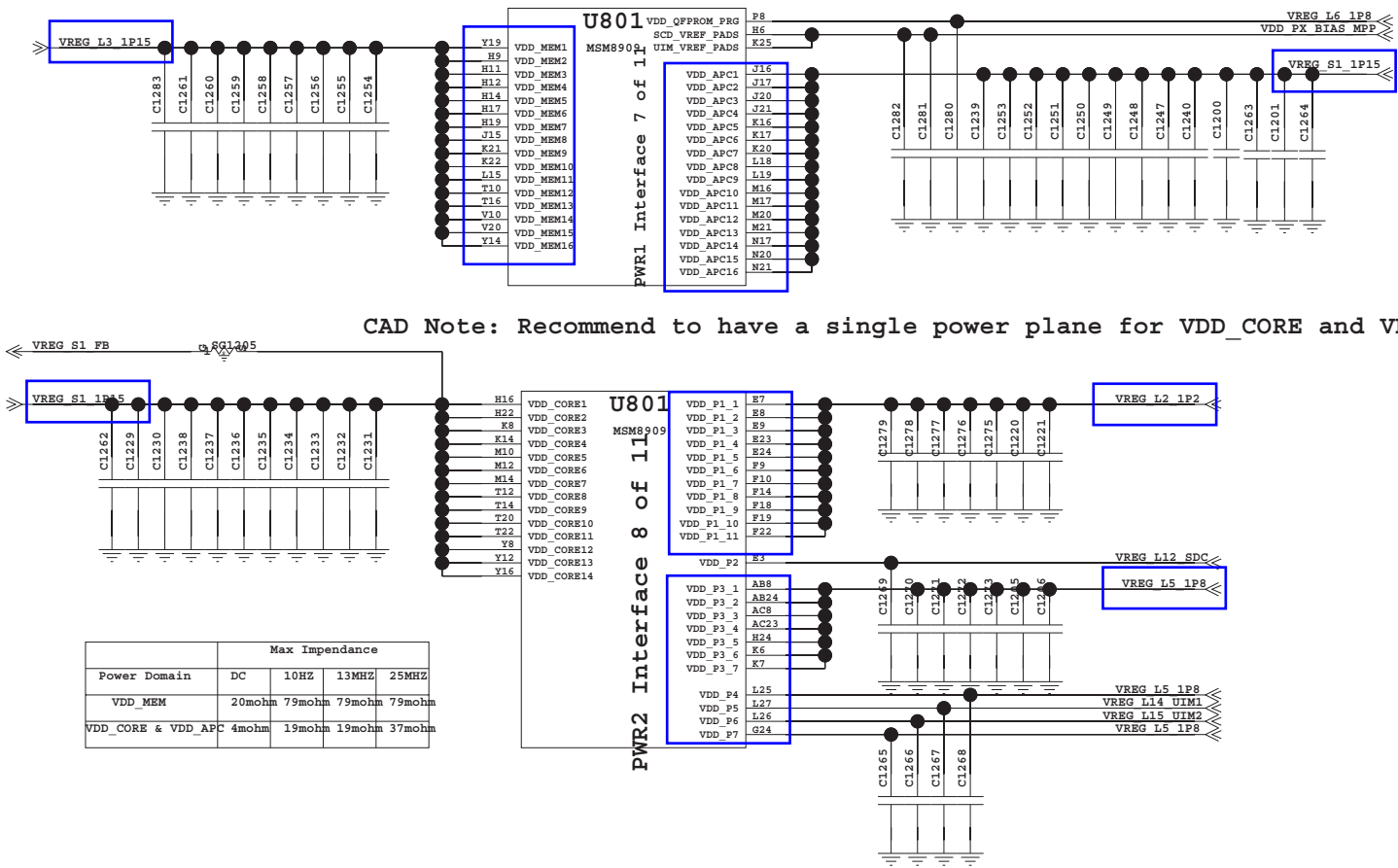
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REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET 10-MSM8909GPIO	
		D	03023DNW	HUAWEI TECH CO.,LTD.	

## D



					2015-04-17
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DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569	VER	PART_NUMBER	SHEET	11-MGW89089RF/MIPI
		D	03023DNW	HUAWEI TECH CO.,LTD	

12. MSM8909 PWR1 Interface



The type and specification of the components refer to the BOM

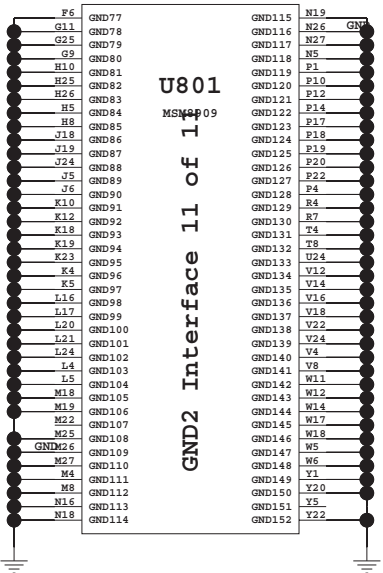
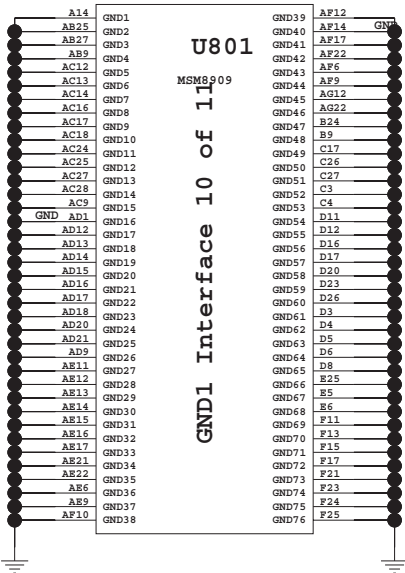
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REVIEWED	YANTAO 00203569				
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		D	03023DNW	HUAWEI TECH CO.,LTD.	

## D



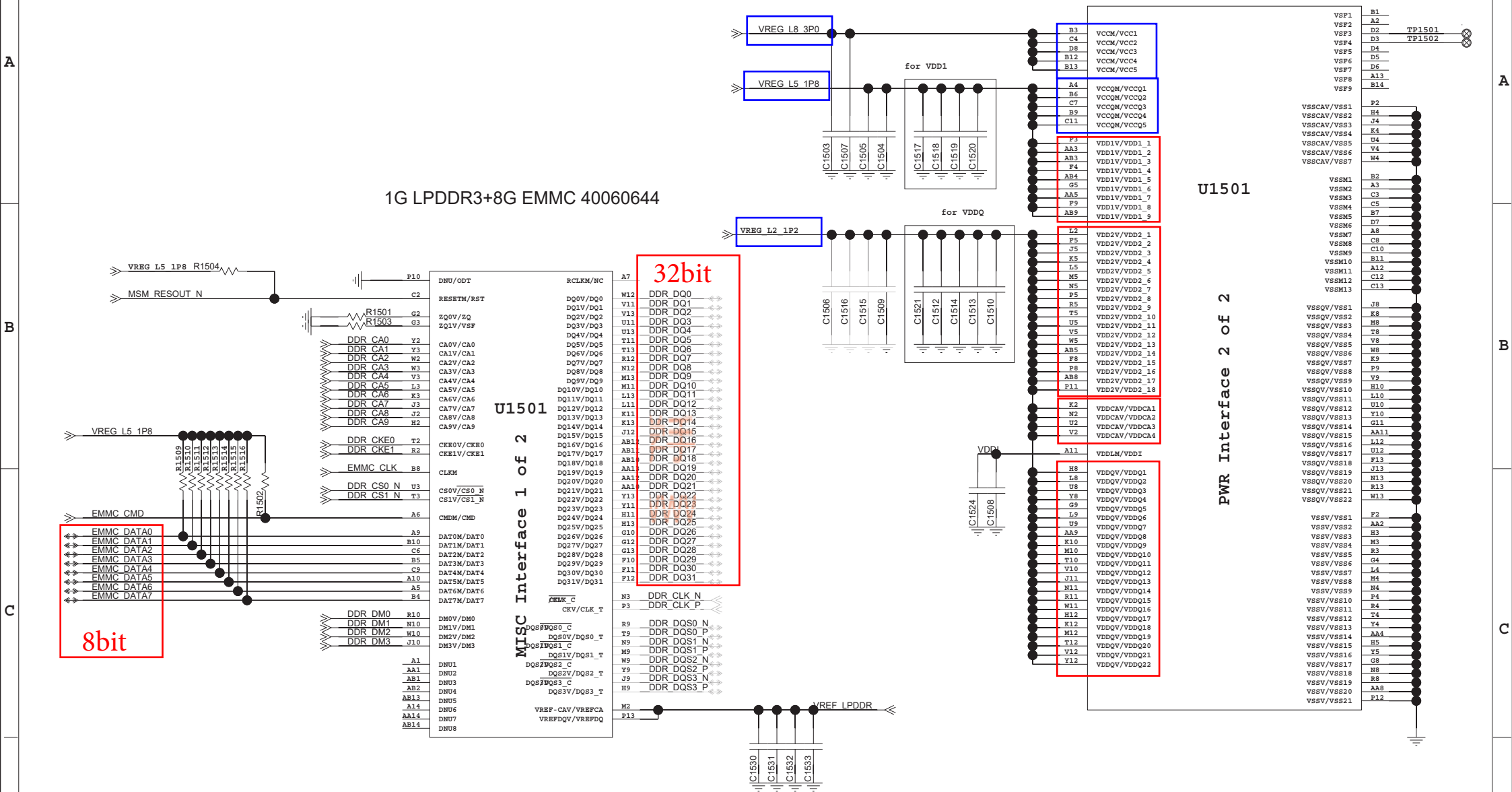
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		D	03023DNW	HUAWEI TECH CO.,LTD	

14.MSM8909 GND



The type and specification of the components refer to the BOM					
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REVIEWED	YANTAO 00203569				
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		D	03023DNW	HUAWEI TECH CO.,LTD.	

15. eMMC&LPDDR3



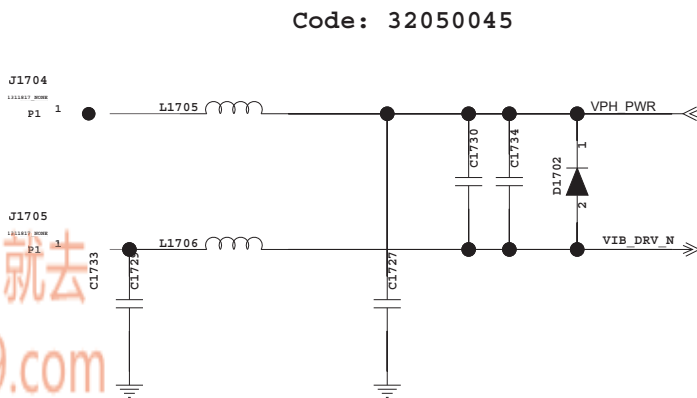
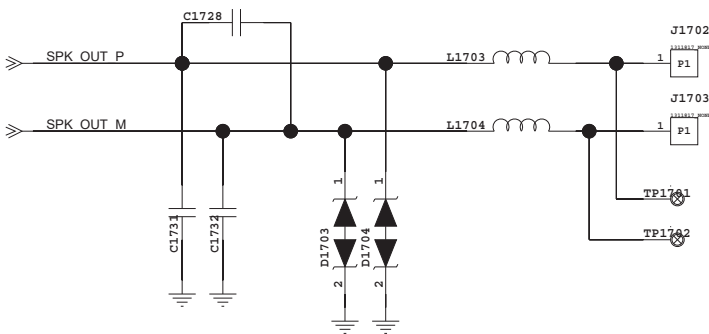
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REVIEWED	YANTAO 00203569				
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		D	03023DNW	HUAWEI TECH CO.,LTD.	

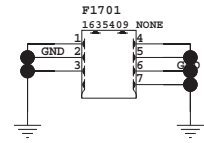




17. Speaker and Vibrator

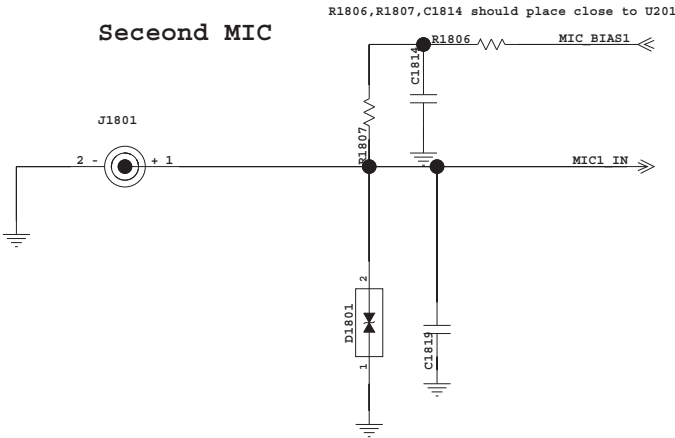
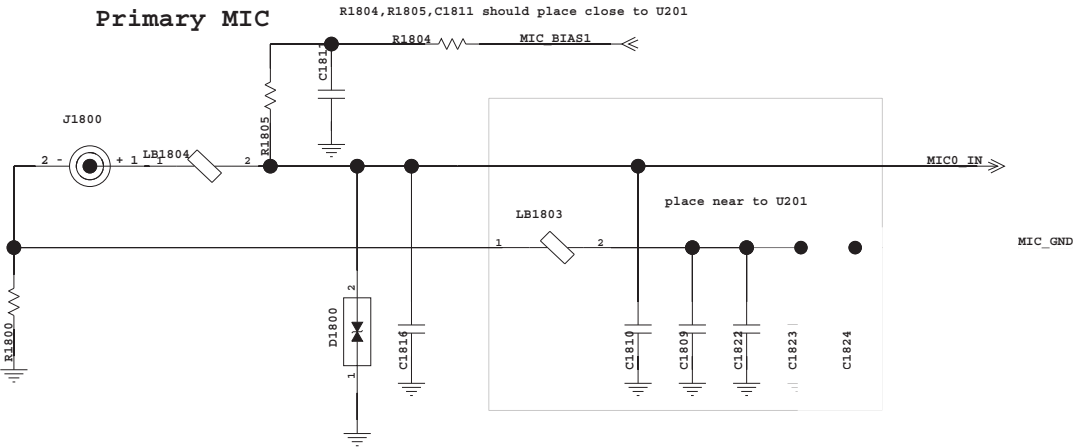


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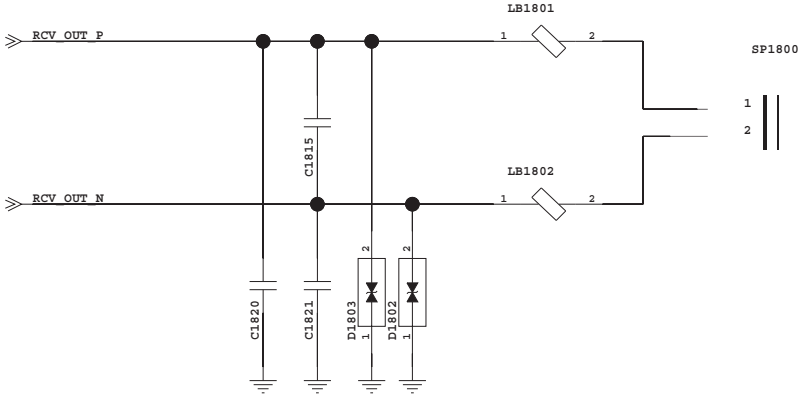
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REVIEWED	YANTAO 00203569			
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		D	03023DNW	HUAWEI TECH CO.,LTD.

18. MIC and Receiver



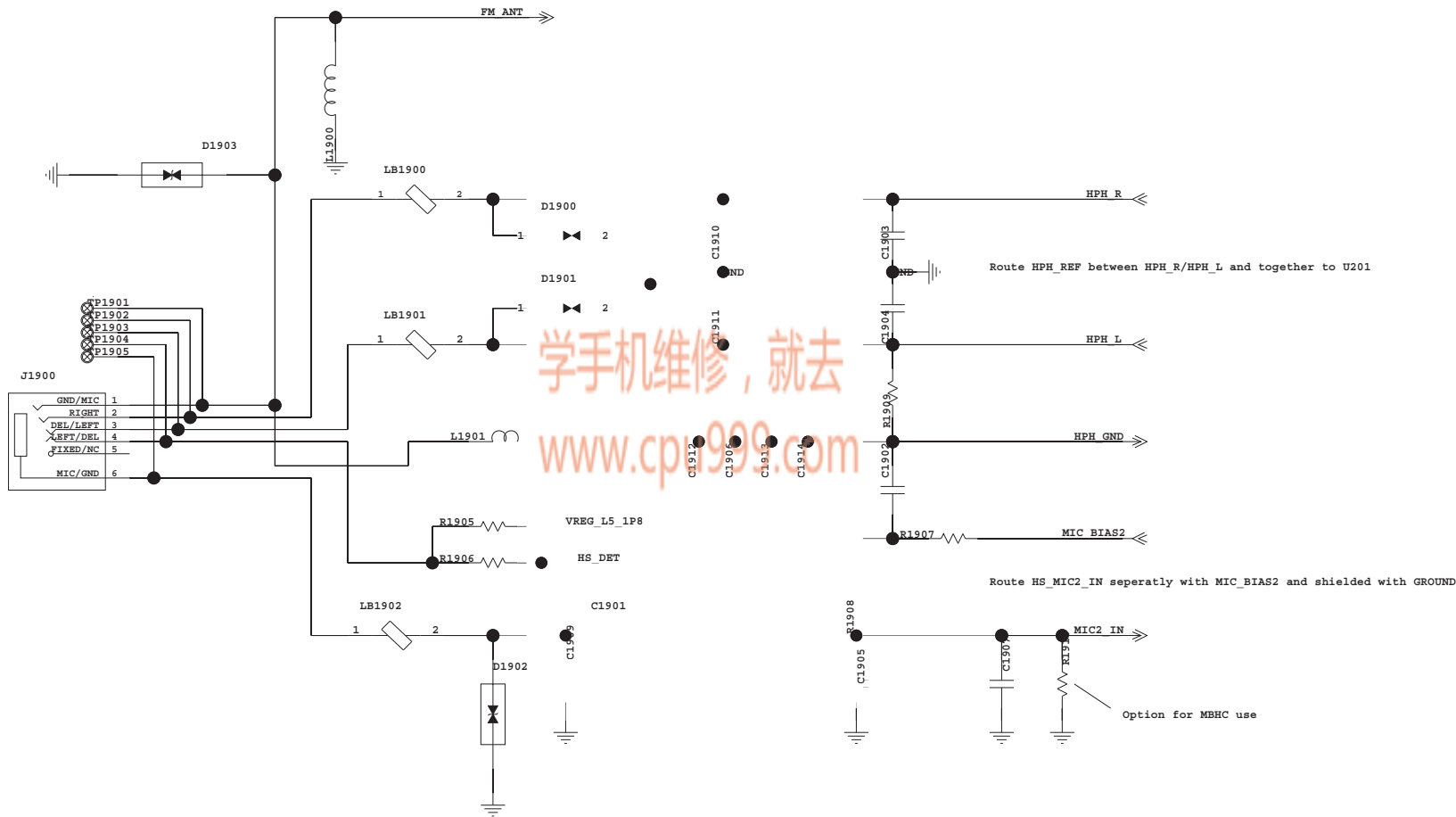
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Receiver



The type and specification of the components refer to the BOM					
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REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	18-MICRCV69
		D	03023DNW	HUAWEI TECH CO.,LTD.	

19. Headphone port

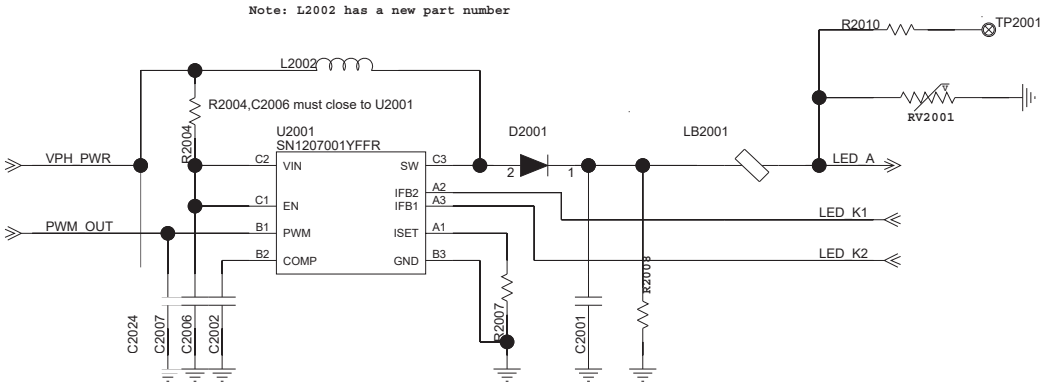
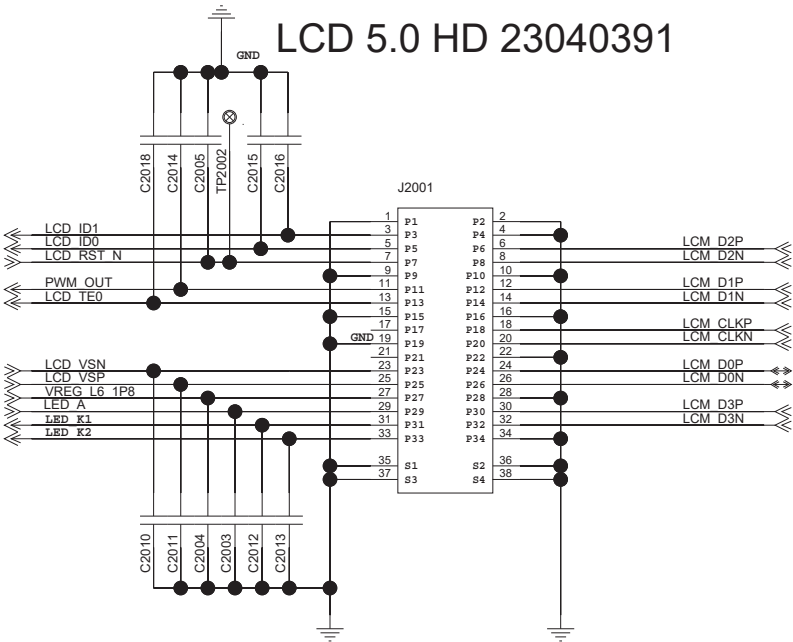


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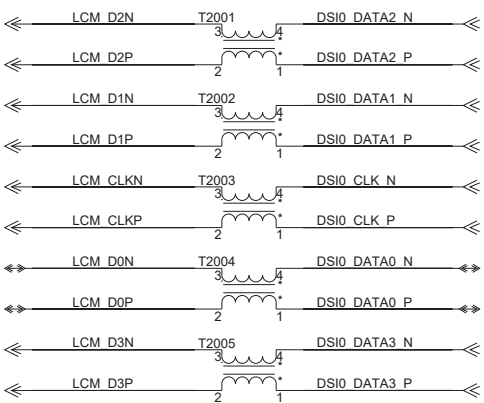
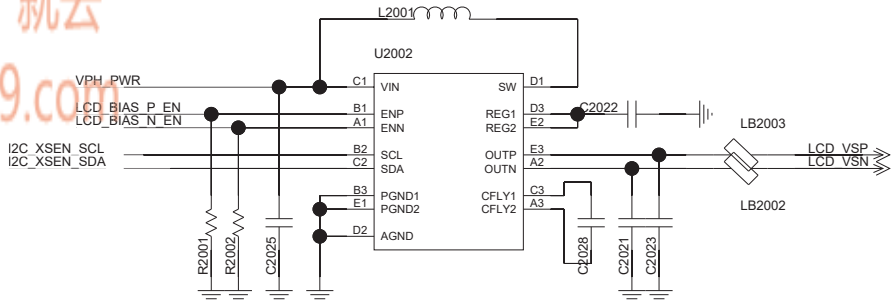
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REVIEWED	YANTAO 00203569			SHEET 19-Headph	
		VER	PART_NUMBER	HUAWEI TECH CO.,LTD.	
		D	03023DNW		

20. LCD and Backlight

LCD Backlight Driver



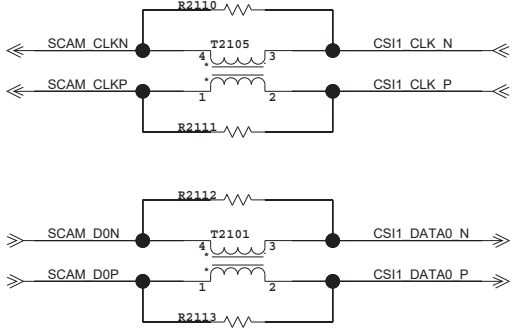
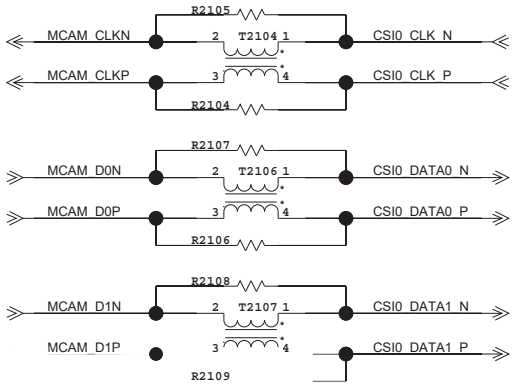
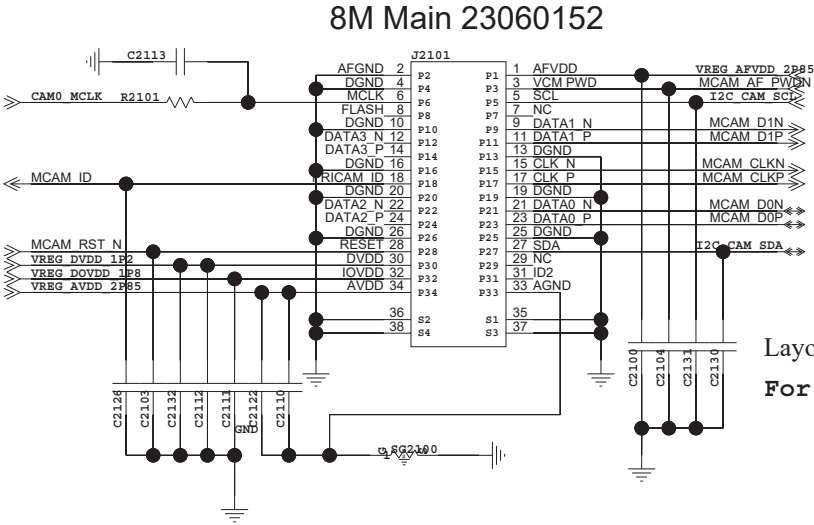
LCD Bias Vlotage Driver



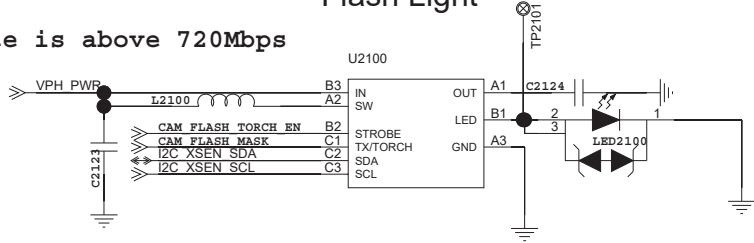
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REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	20-LCD Backlight
		D	03023DNW	HUAWEI TECH CO.,LTD.	

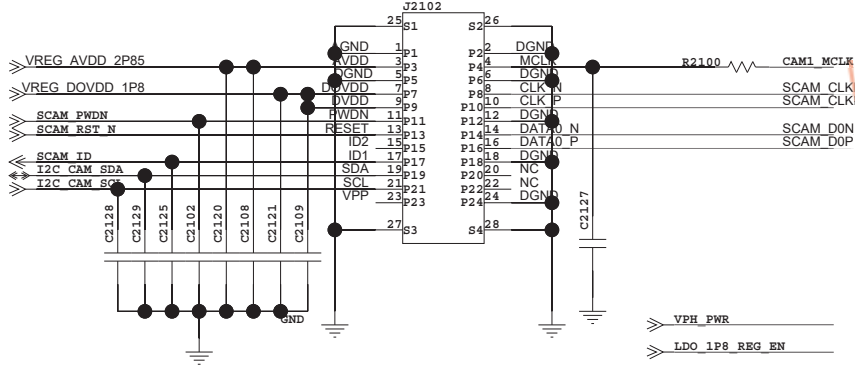
21. Main/Slave Camera and Flash LED



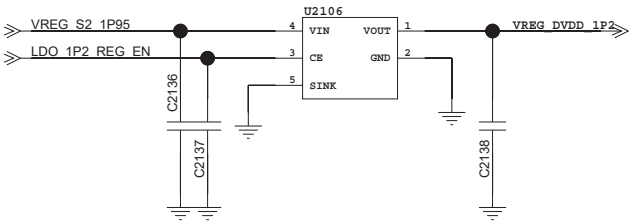
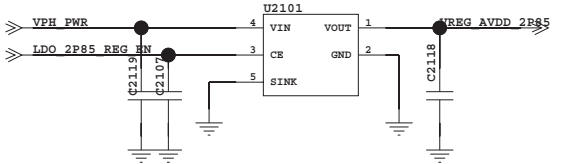
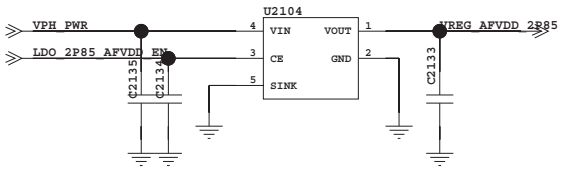
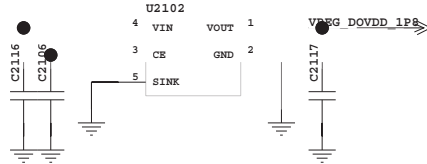
Flash Light



2M Sub 23060157  
(5M Sub 23060170)



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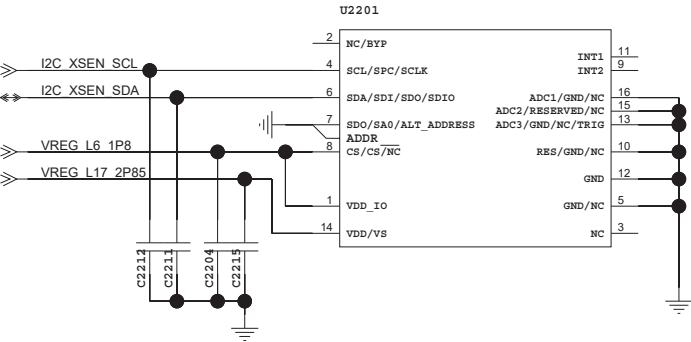


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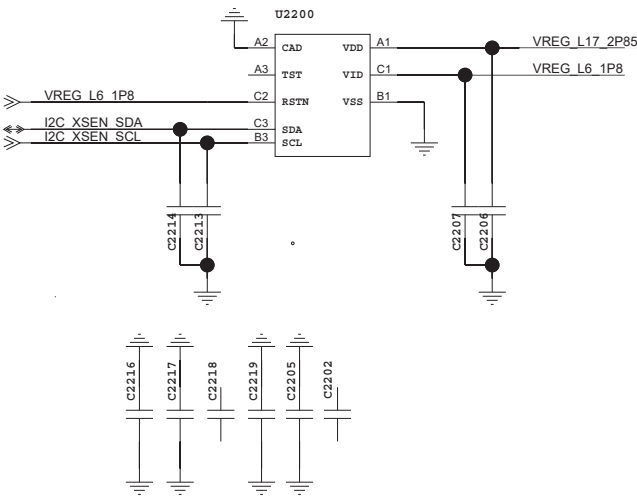
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22. Sensor

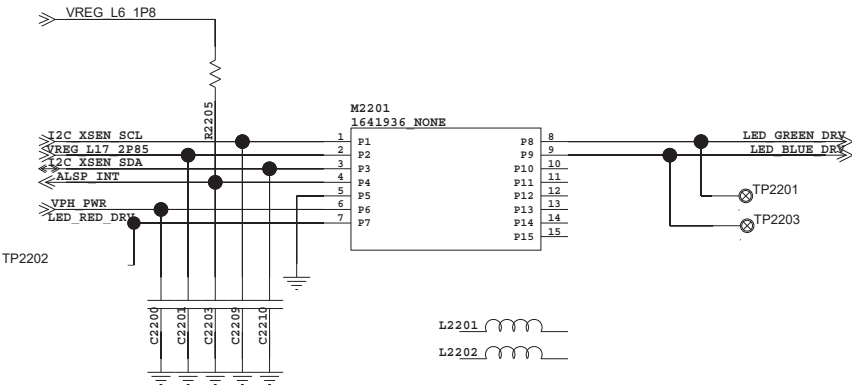
Accelerometer



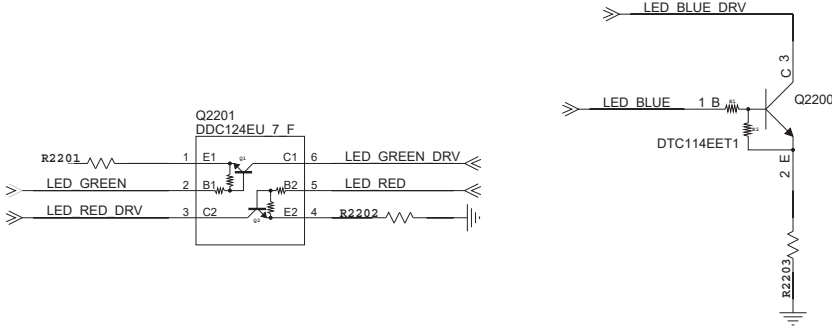
Compass



Proximity & LED indicator



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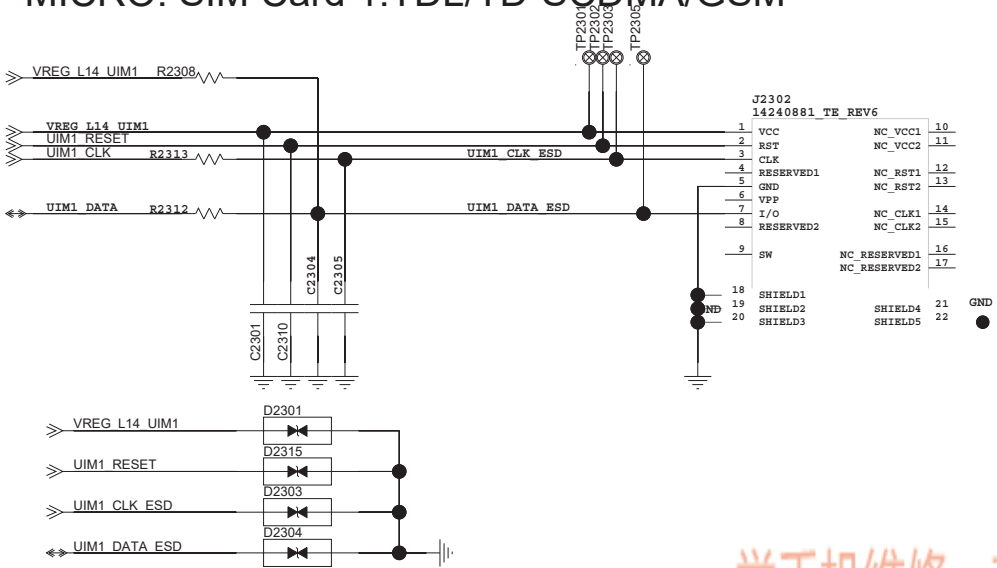


The type and specification of the components refer to the BOM

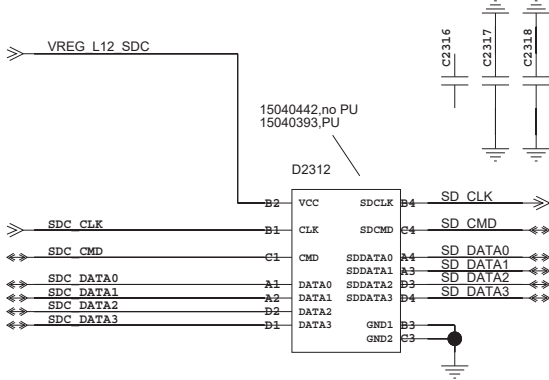
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	22-See or 69
		D	03023DNW	HUAWEI TECH CO.,LTD.	

23. SIM/TF Card

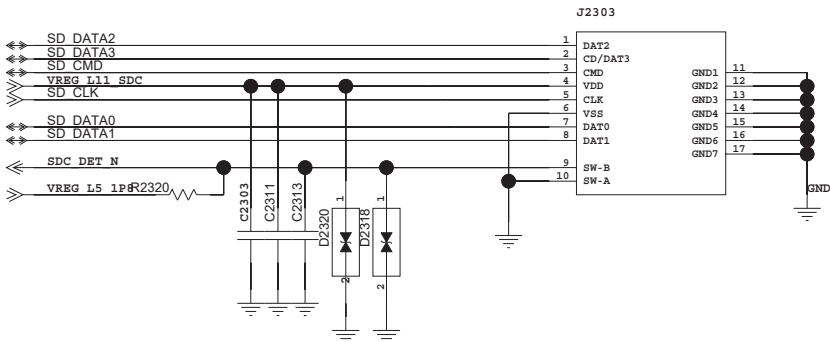
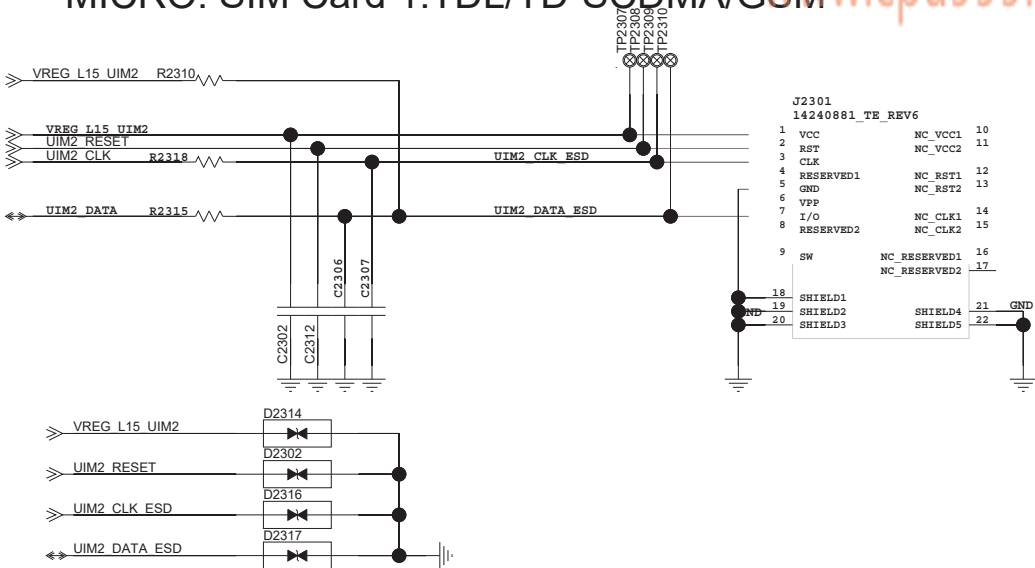
MICRO. SIM Card 1:TDL/TD-SCDMA/GSM



TF Card EMI/ESD



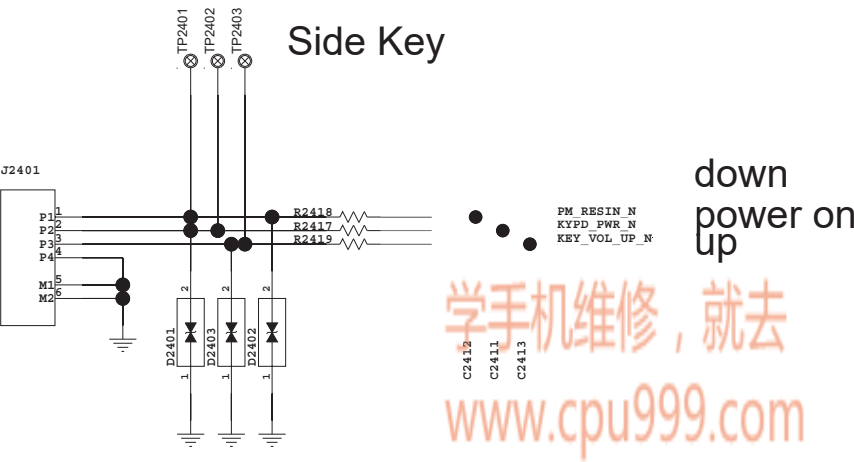
MICRO. SIM Card 1:TDL/TD-SCDMA/GSM



The type and specification of the components refer to the BOM

				2015-04-17	
		ECA NO		DATE	
DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET 23-SIM/TF 69	
		D	03023DNW	HUAWEI TECH CO.,LTD.	

24. Keypad indicator

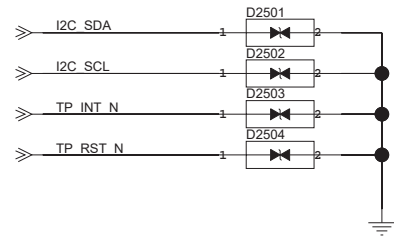
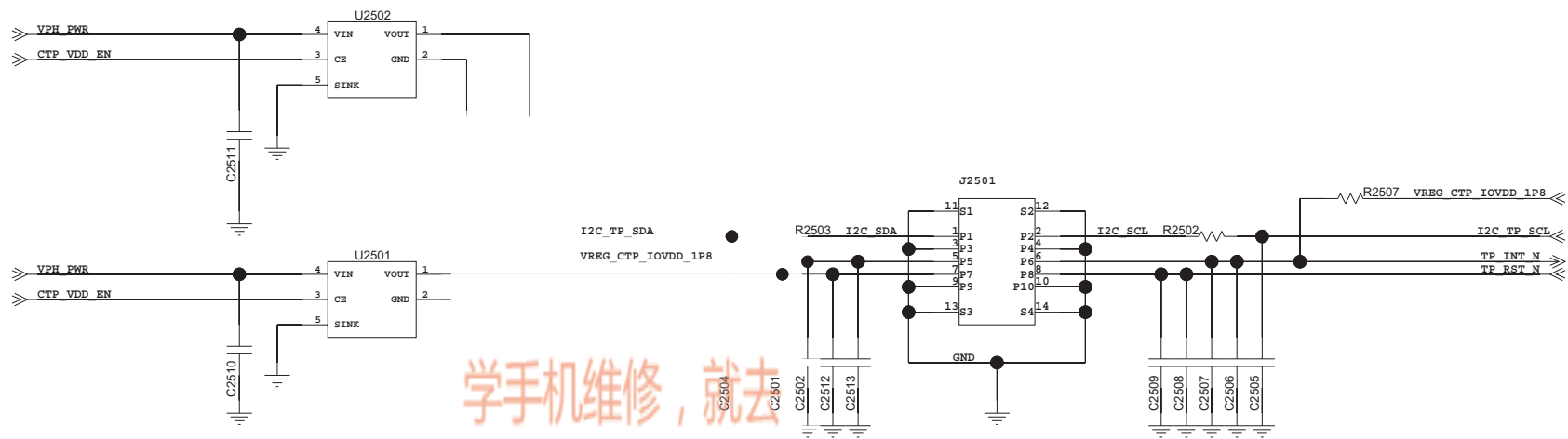


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The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	24-KeyF 69
		D	03023DNW	HUAWEI TECH CO.,LTD.	

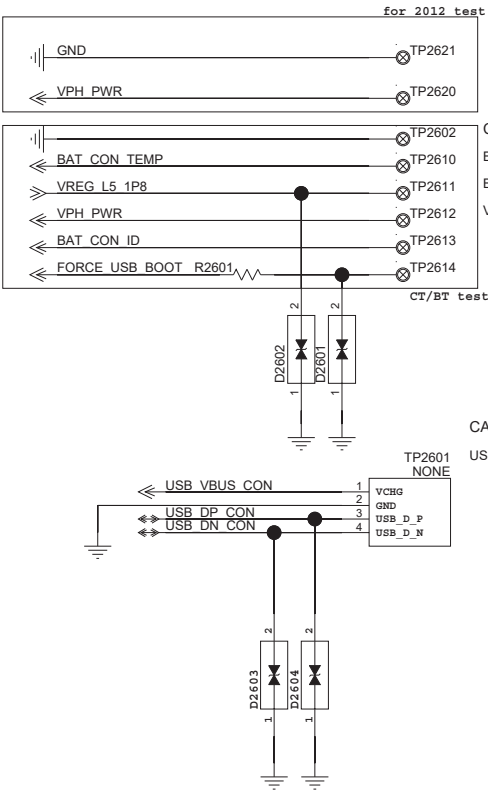


25. Touch interface



The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	25-TPOF 69
		D	03023DNW	HUAWEI TECH CO.,LTD.	

26. Test Points/GND/Shields

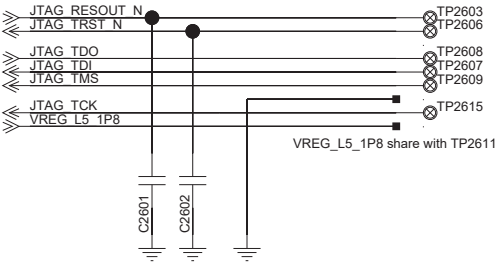


CAD notes:  
BAT\_CON\_TEMP must route to D1601  
BAT\_CON\_ID must route to D1602  
VPH\_PWR must route to D1603

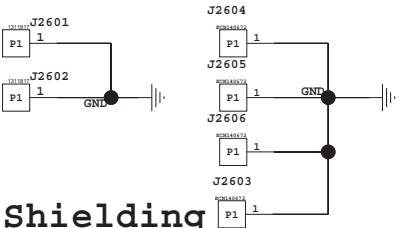
CAD notes:  
USB\_VBUS\_CON must route to D1605

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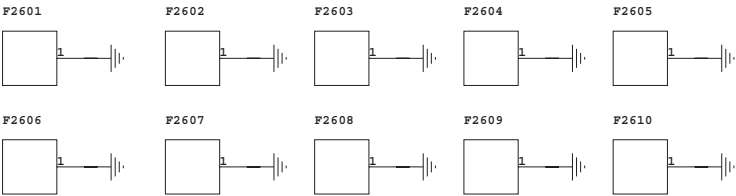
JTAG



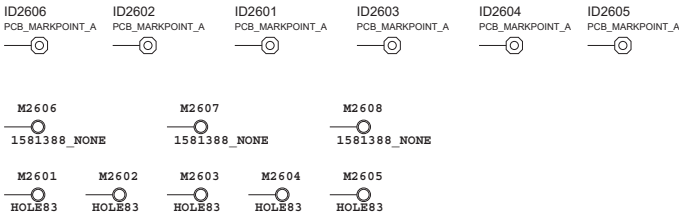
GND Spring



Shielding



MARK POINT



The type and specification of the components refer to the BOM

				2015-04-17	
				ECA NO	DATE
DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	26-Test Point
		D	03023DNW	HUAWEI TECH CO.,LTD.	

27. Reserved

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The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET 27-Reserved	
		D	03023DNW	HUAWEI TECH CO.,LTD.	

28. Reserved

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The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET 28-Reserved	
		D	03023DNW	HUAWEI TECH CO.,LTD.	

29. Reserved

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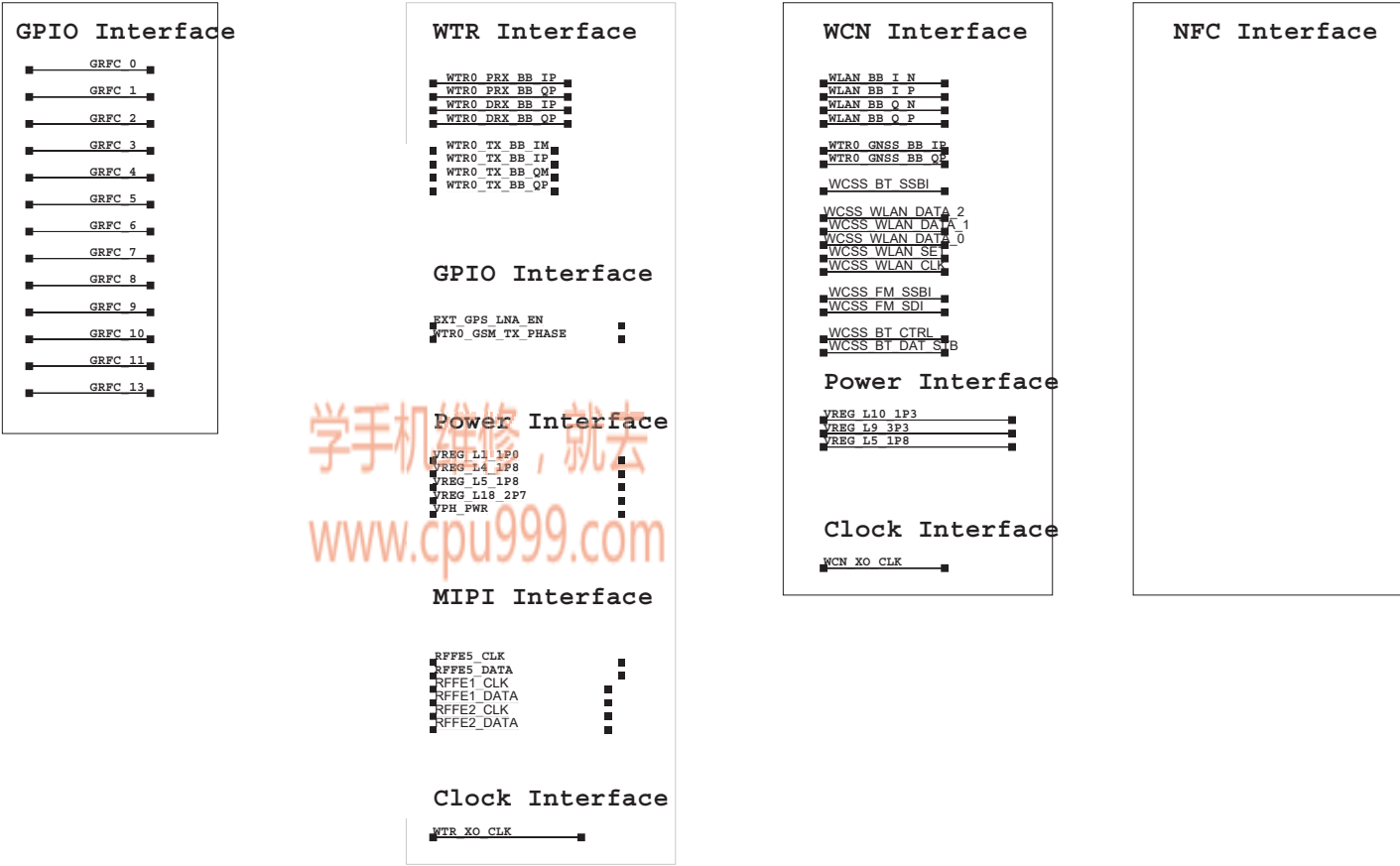
The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET 29-Reserved	
		D	03023DNW	HUAWEI TECH CO.,LTD.	

30. Reserved

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The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET 30-Reserved	
		D	03023DNW	HUAWEI TECH CO.,LTD.	

31. RF Interface



The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET 31-RFInterface	
		D	03023DNW	HUAWEI TECH CO.,LTD.	

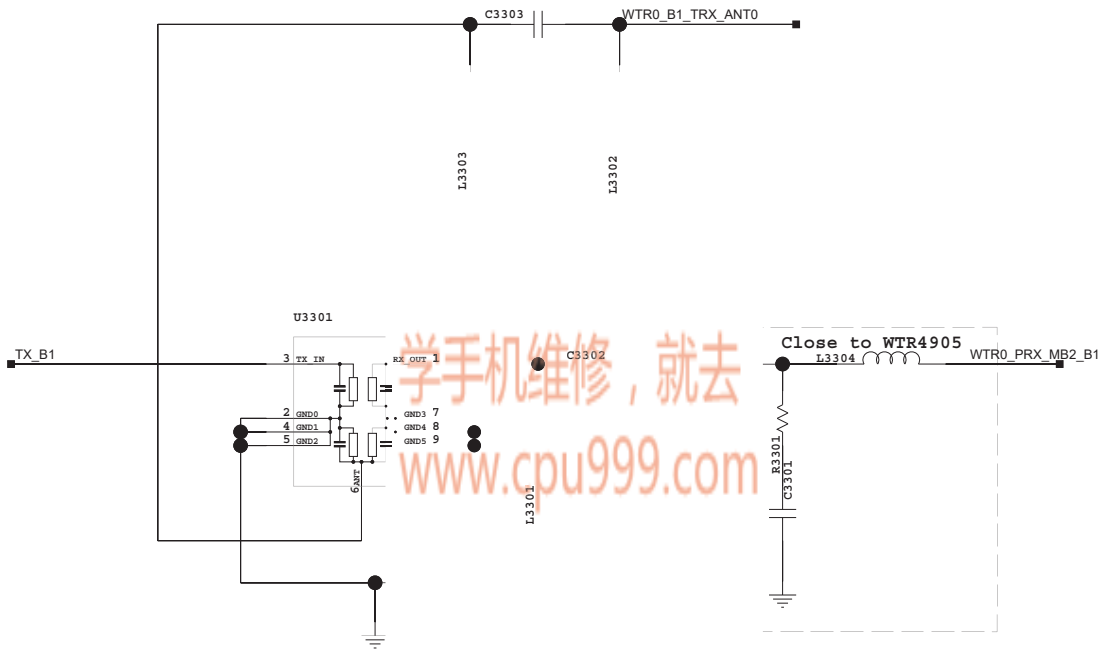
32.LTE/UMTS/TD/GSM Antenna Switcher



The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	32-Main Antenna Switcher
		D	03023DNW	HUAWEI TECH CO.,LTD.	

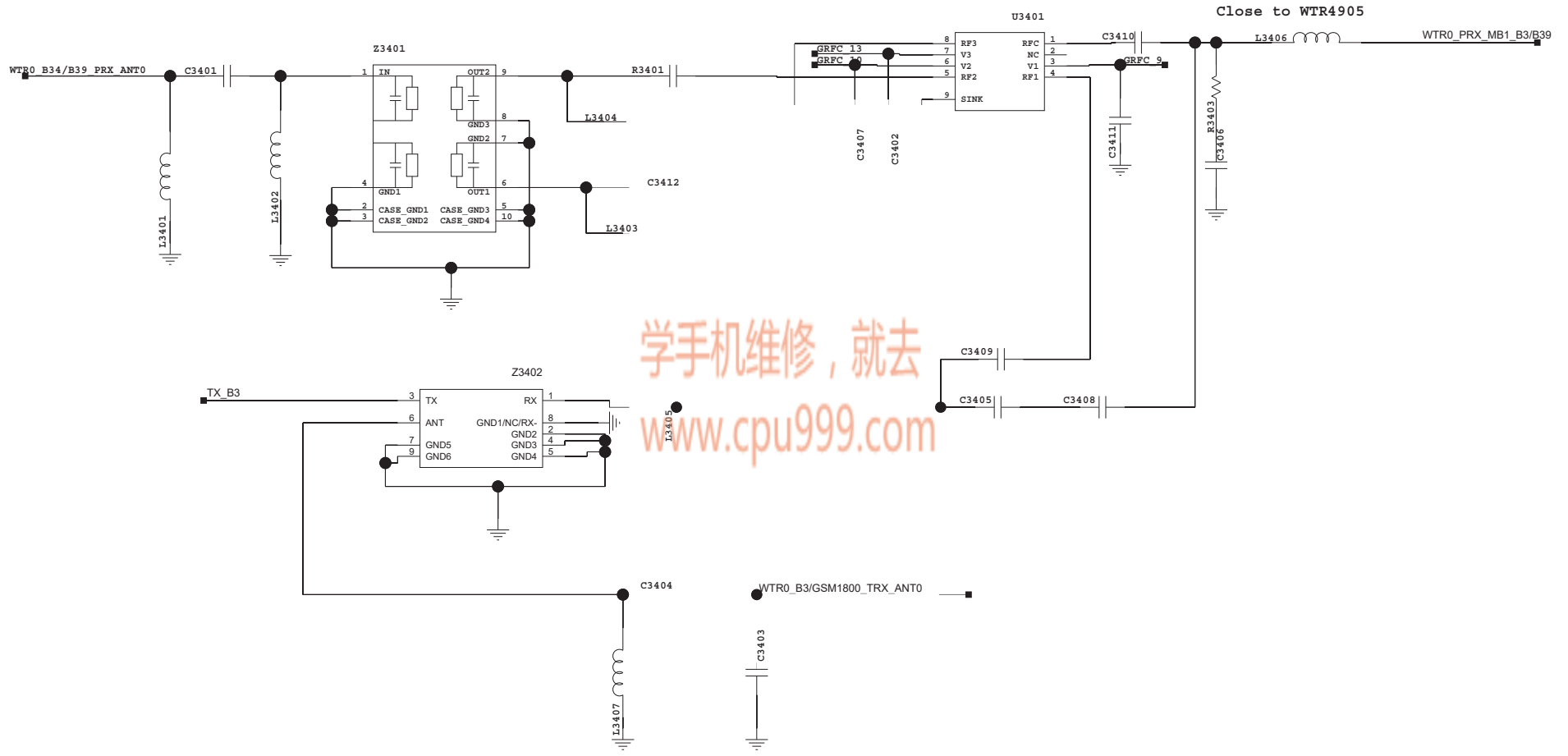


33 TRX\_UMTS\_B1



The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET 33-TRX_UMTS_B1	
		D	03023DNW	HUAWEI TECH CO.,LTD.	

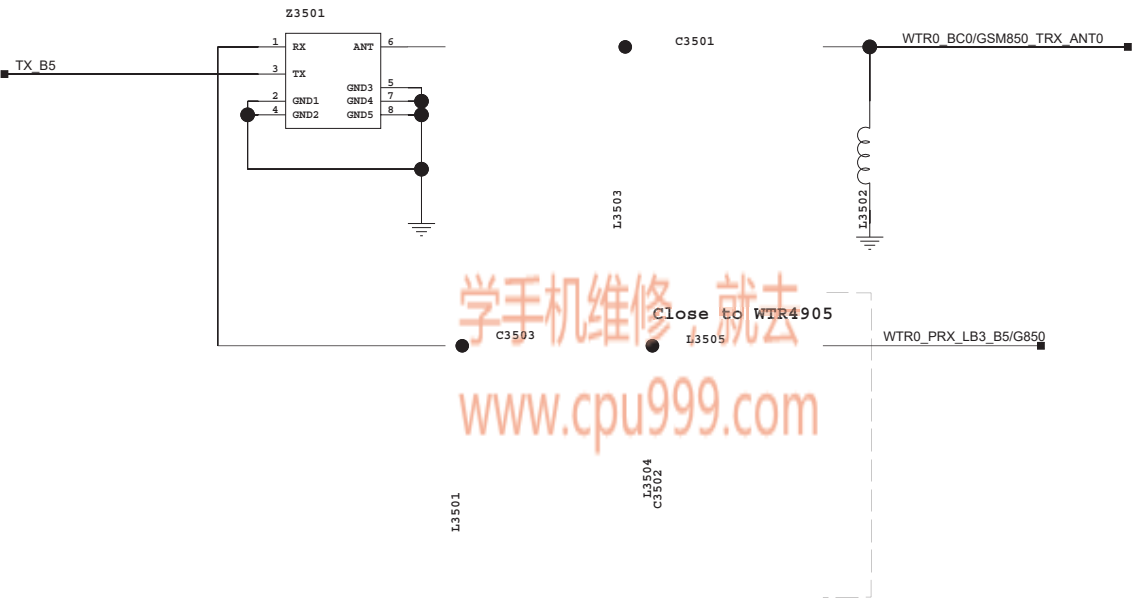
34 TRX\_LTE\_B3/G1800



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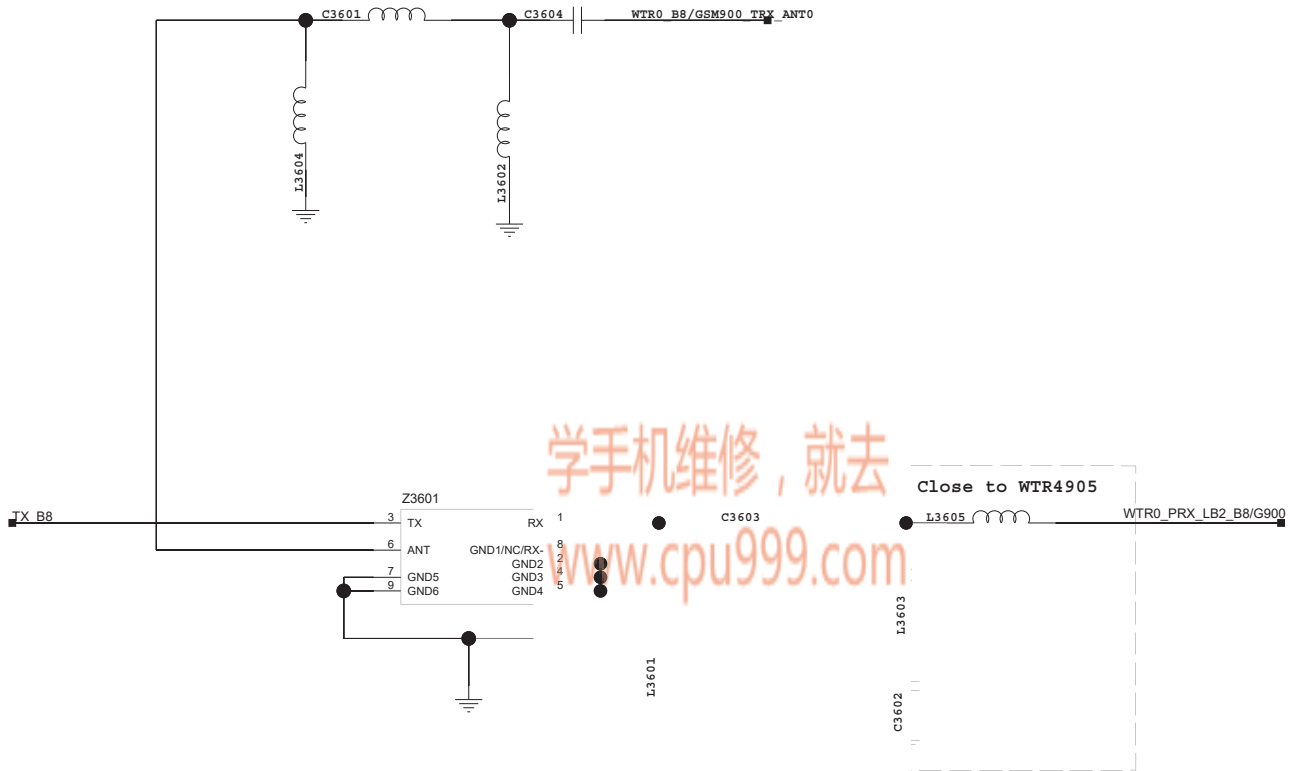
The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	34-TRX_LTE_B3/G1800
		D	03023DNW	HUAWEI TECH CO.,LTD.	

35 TRX\_UMTS\_B5



The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	35-TRX_UMTS_B5
		D	03023DNW	HUAWEI TECH CO.,LTD.	

## 36 TRX\_UMTS\_B8



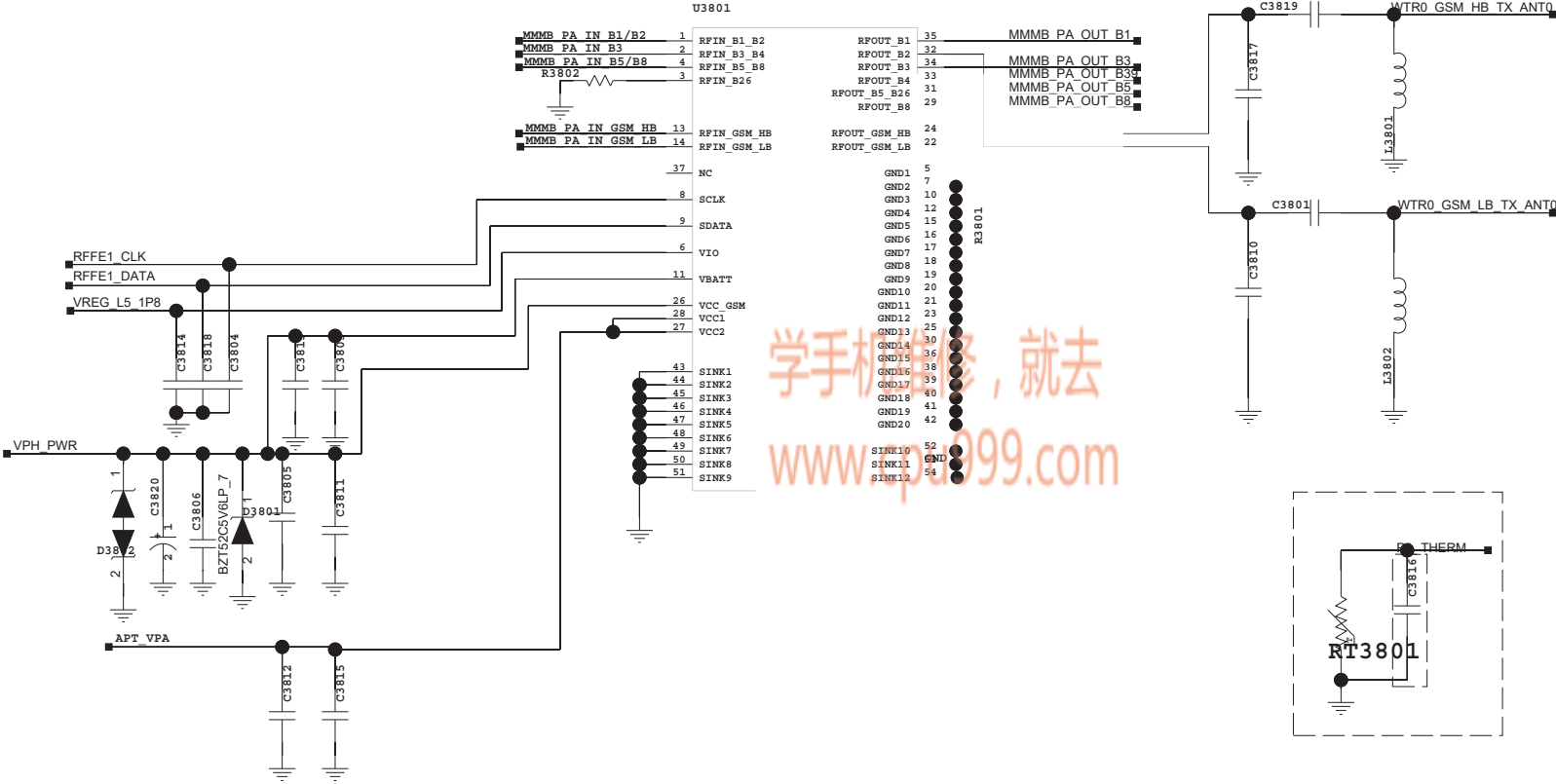
The type and specification of the components refer to the BOM

				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	36-TRK UMS B8
		D	03023DNW	HUAWEI TECH CO.,LTD.	



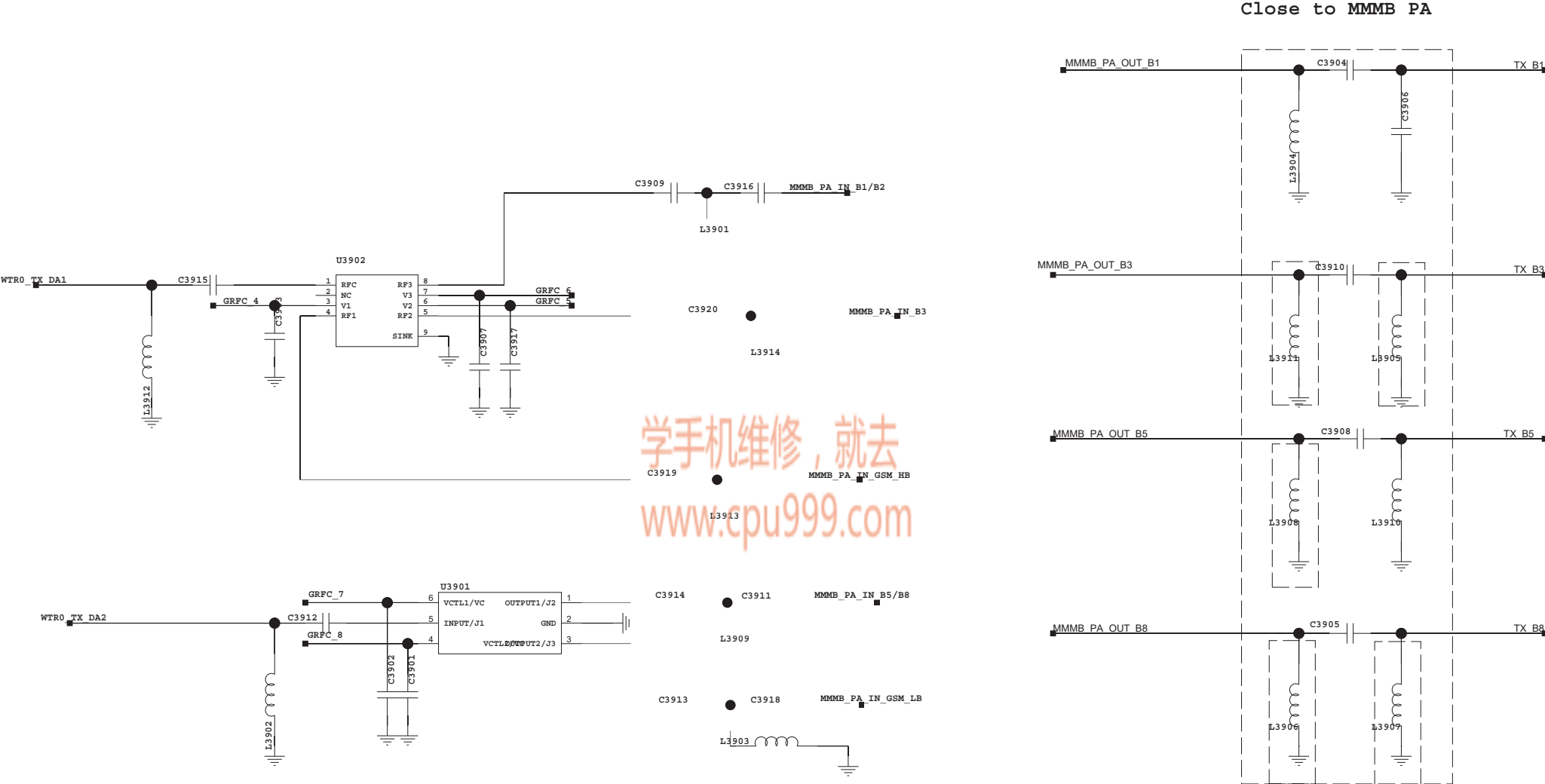
The type and specification of the components refer to the BOM					
				NA	02-06-2015_15:39
				ECA NO	2015-04-17
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	37-TX_TDS_B39
		D	03023DNW	HUAWEI TECH CO.,LTD.	

38 MMB PA



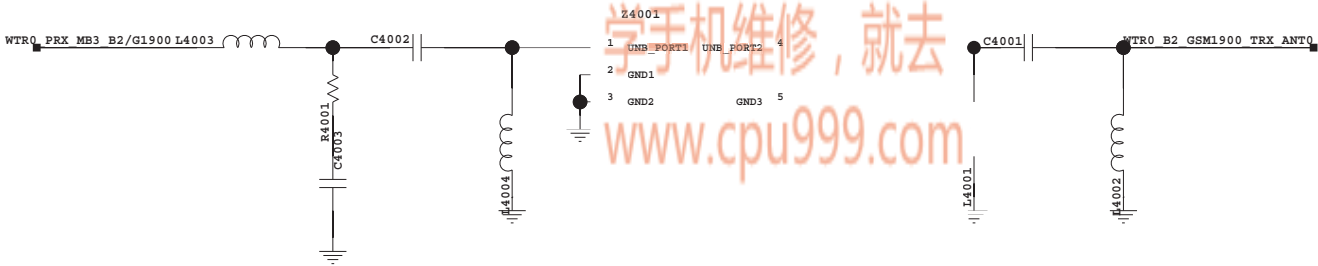
The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET 38-MMMB PA	
		D	03023DNW	HUAWEI TECH CO.,LTD.	

39 MATCHING CIRCUIT of MMMBPA



The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	39-MATCHING CIRCUIT of
		D	03023DNW	HUAWEI TECH CO.,LTD.	

40. TRX\_UMTS\_B2/RX\_GSM1900



The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	40-TRX_UMTS_B2/RX_GSM1900
		D	03023DNW	HUAWEI TECH CO.,LTD.	



123456

A

41 TR<sub>x</sub>\_B28L/B20/B12/B28H

B

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C

D

The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	41-TR <sub>x</sub> _B28L/B20/B12/B28H
		D	03023DNW	HUAWEI TECH CO.,LTD.	

123456

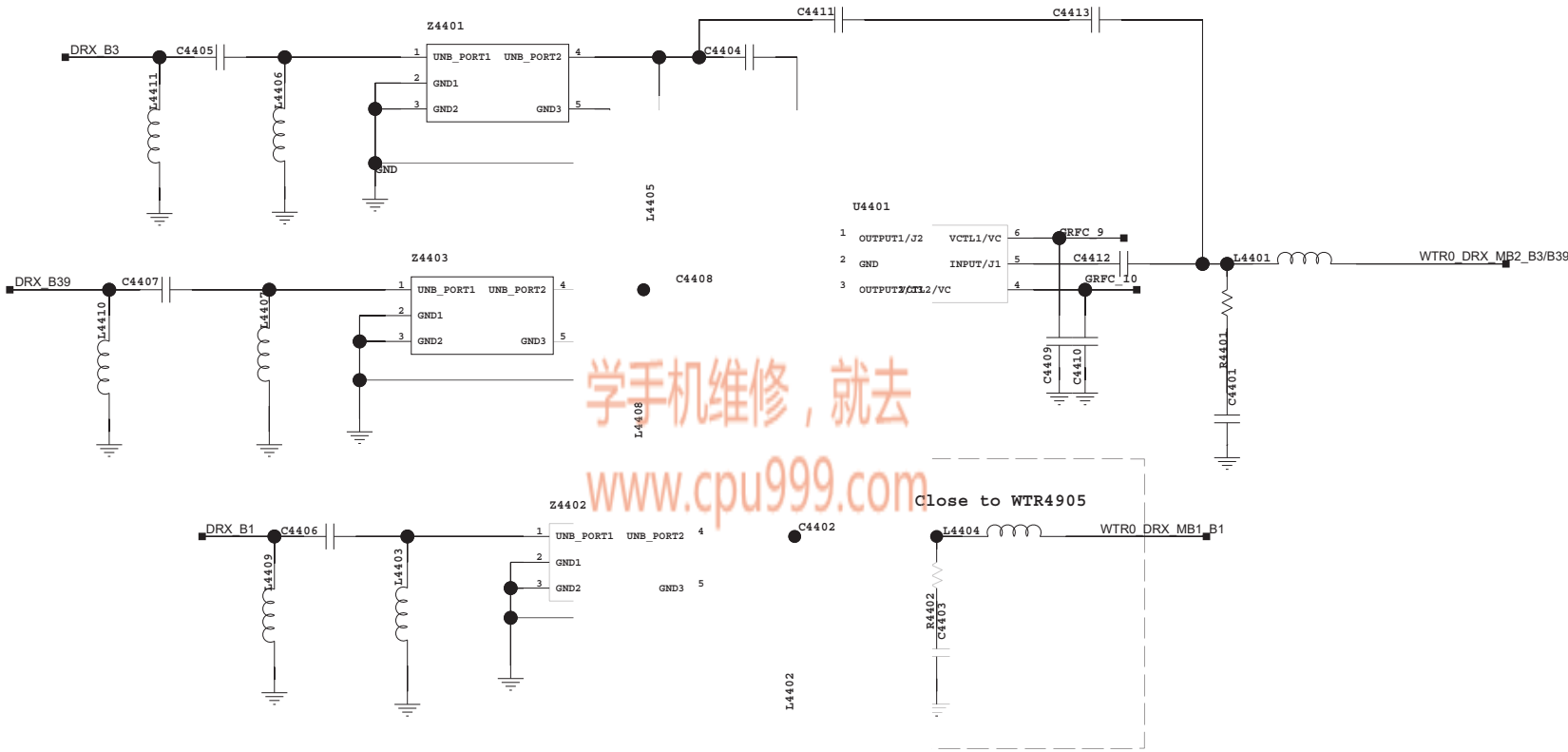
42-Reserved

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The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	42-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

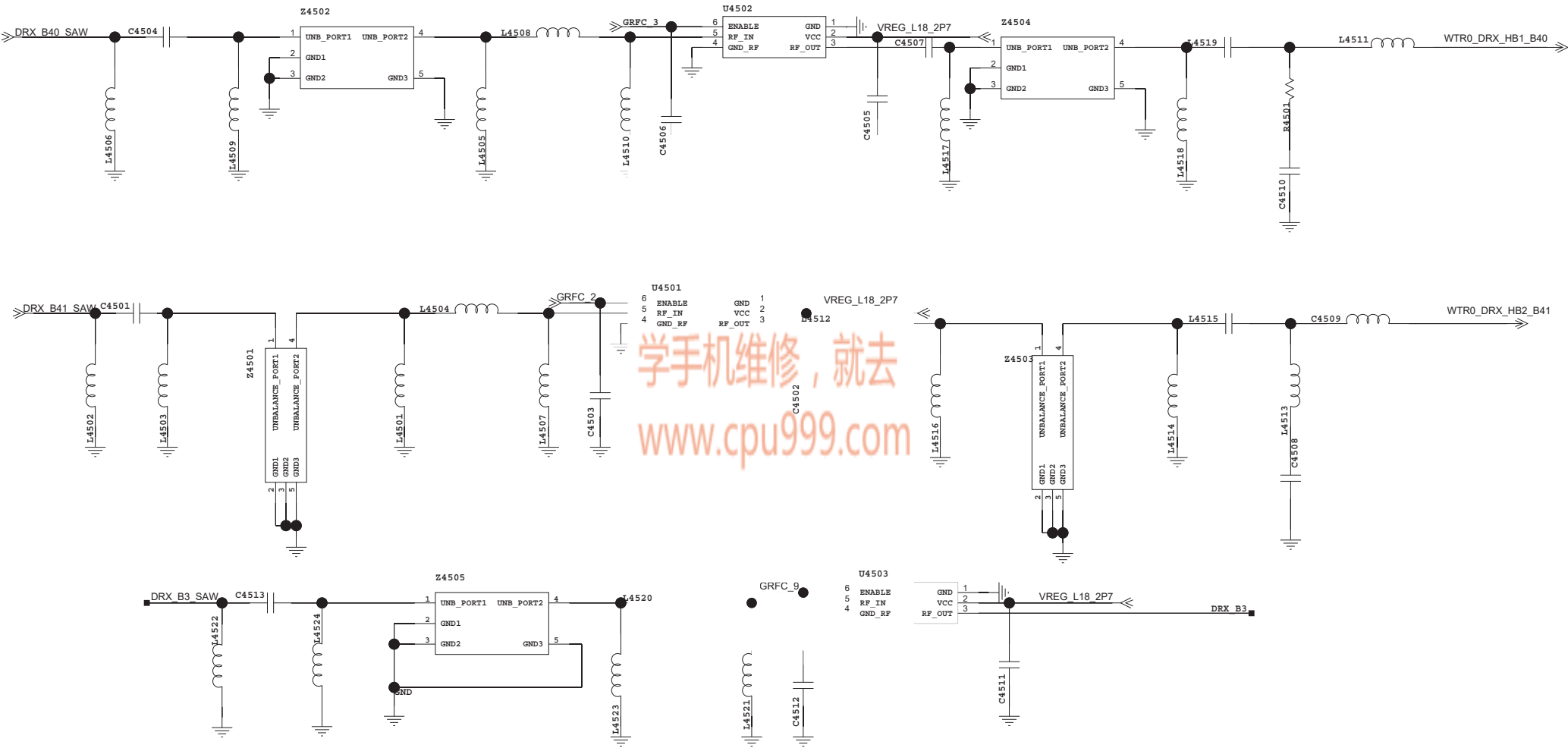


44 DRX B1/B3/B5/B19/B39

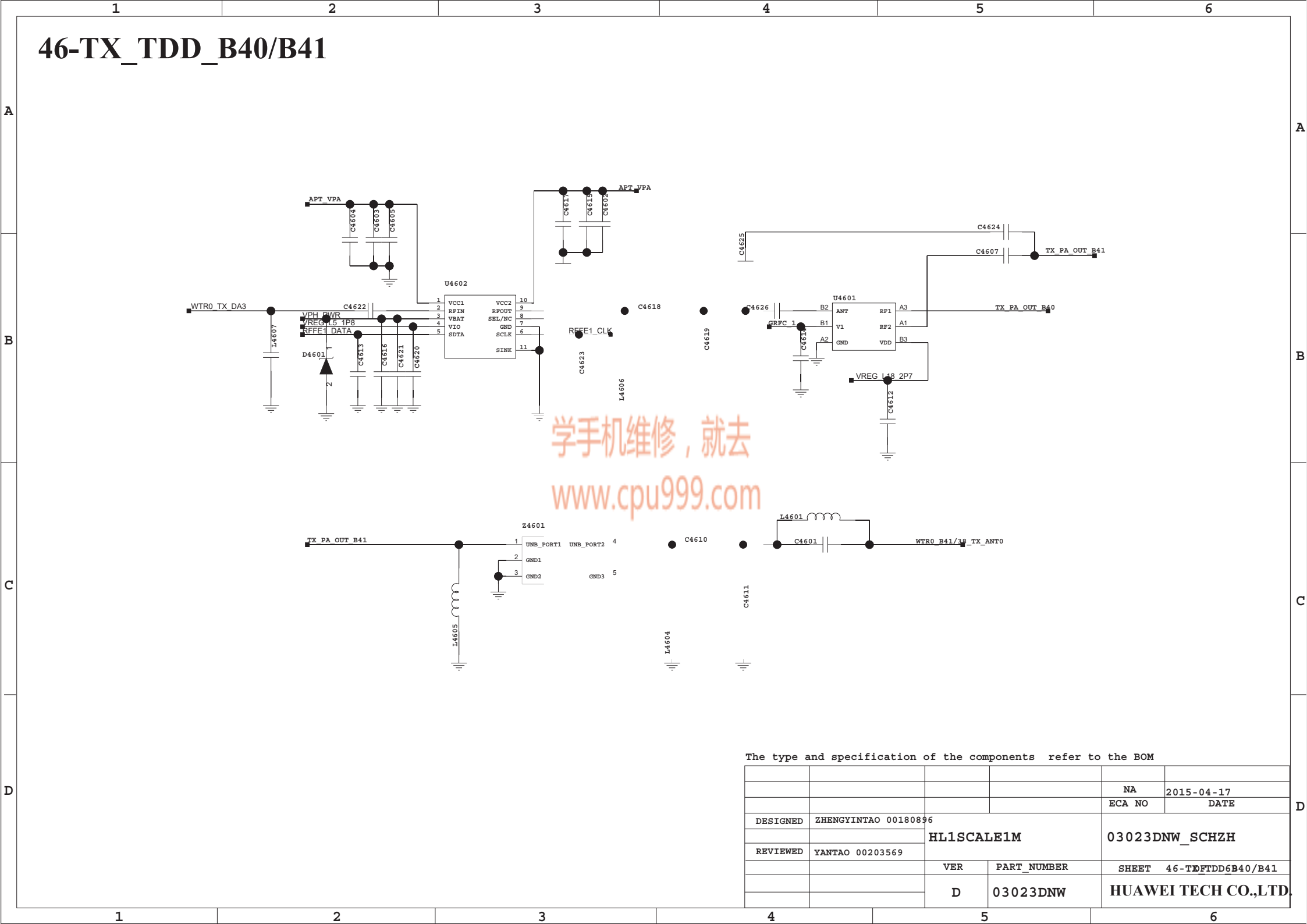


The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	44-DRX B1/B3/B5/B19/B39
		D	03023DNW	HUAWEI TECH CO.,LTD.	

45 DRX\_B40/B41



The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	45-DRX_B40/B41
		D	03023DNW	HUAWEI TECH CO.,LTD.	

[illegible]

46-TX\_TDD\_B40/B41

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WTR0 TX DA3

APT VPA

C4601

C4603

C4605

C4622

VPH PWR

VREG\_L5 1P8

RFEE1 DATA

D4601

C4613

C4616

C4621

C4620

U4602

VCC1

RFIN

RFOUT

VBAT

VIO

SCLK

SDTA

SINK

RFEE1 CLK

C4618

C4619

C4626

U4601

ANT

RF1

RF2

V1

A2

VDD

VREG\_L48 2P7

C4612

C4624

C4607

TX PA OUT B41

TX PA OUT B40

TX PA OUT B41

Z4601

UNB\_PORT1

UNB\_PORT2

GND1

GND2

GND3

L4605

C4610

L4601

C4601

WTR0 B41/38 TX\_ANT0

C4611

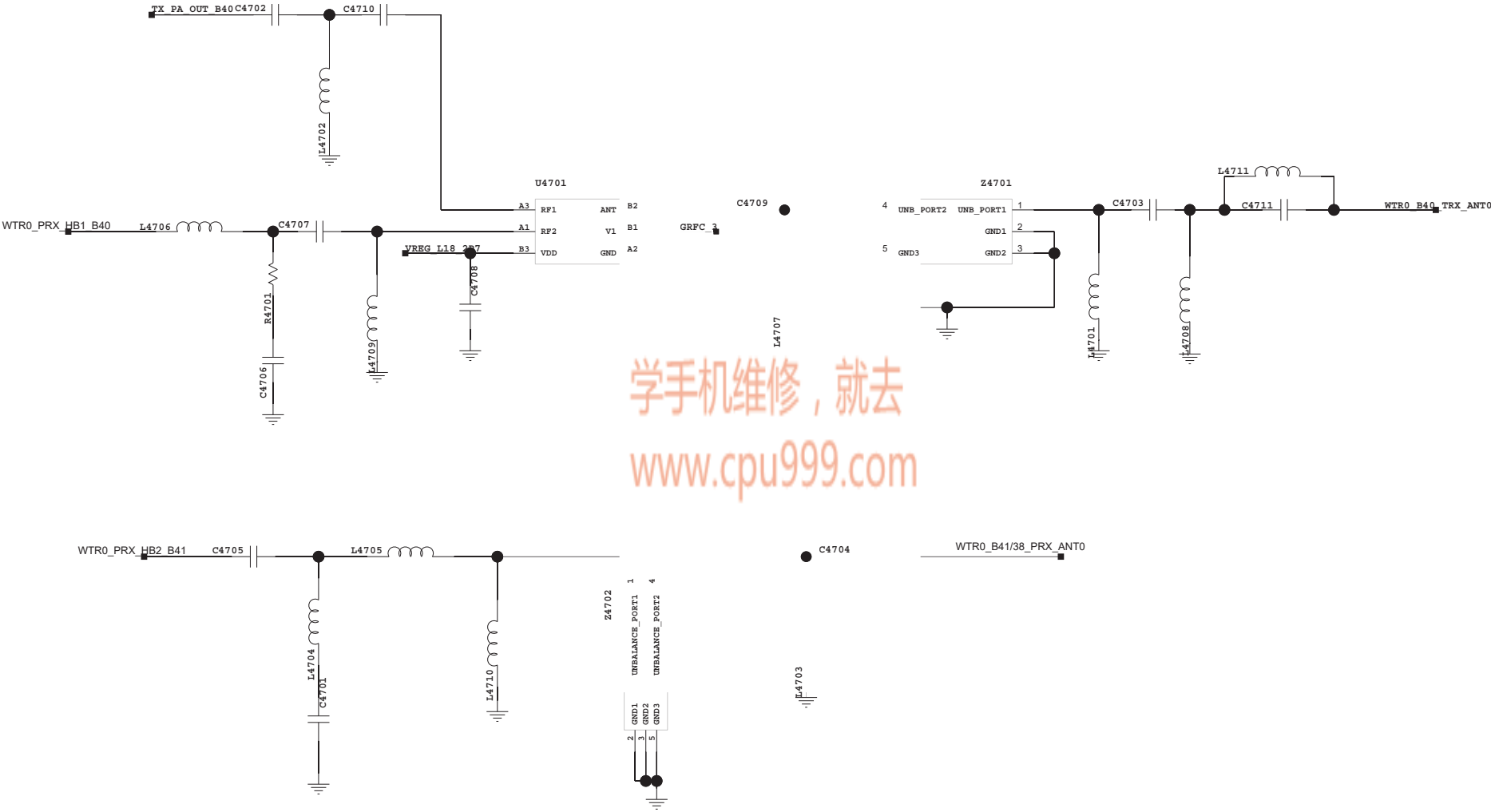
L4604

The type and specification of the components refer to the BOM

DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH
REVIEWED	YANTAO 00203569	VER		PART_NUMBER
		D		03023DNW
		SHEET		46-TX_TDD6B40/B41
		HUAWEI TECH CO.,LTD.		

[illegible]

47 TRX\_LTE\_B40/B41



The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	47-TRX_LTE9B40/B41
		D	03023DNW	HUAWEI TECH CO.,LTD.	

48.Reserved

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The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	48-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	



49.Reserved

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The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	49-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

50.Reserved

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The type and specification of the components refer to the BOM					
				NA	2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	50-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

51.Reserved

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The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	51-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

52.Reserved

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The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	52-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

53.Reserved

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The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	53-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

54.Reserved

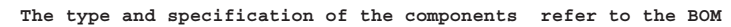
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The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	54-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

55.Reserved

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The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	55-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

D



1	2	3	4	5	6
57.Reserved					
A					
B					
C					
D					
学手机维修，就去 www.cpu999.com					
The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	57-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	
1	2	3	4	5	6

## A

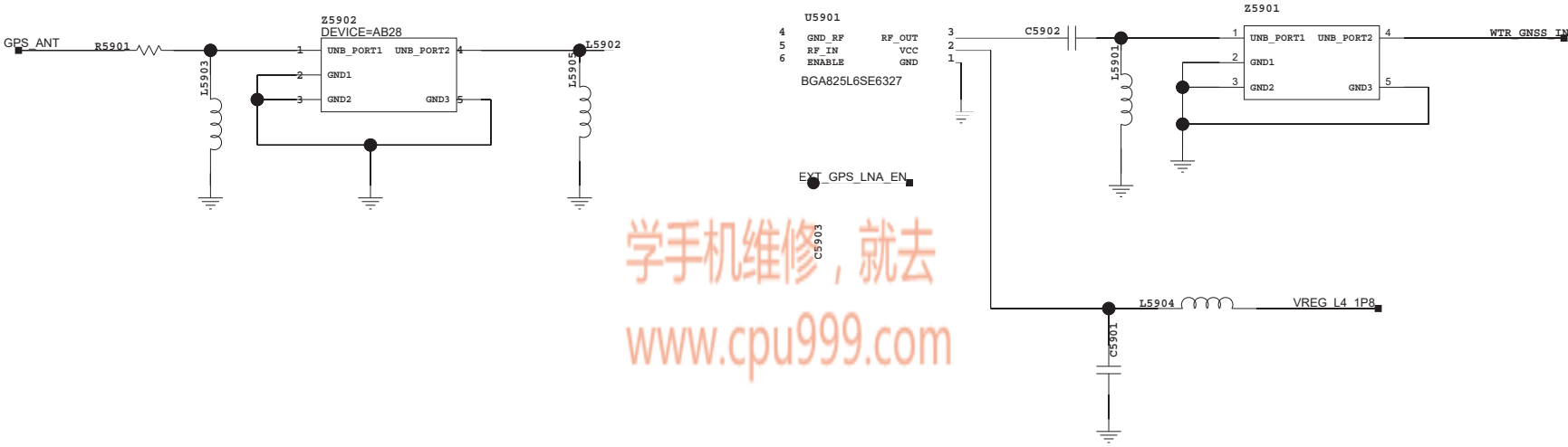


C

D

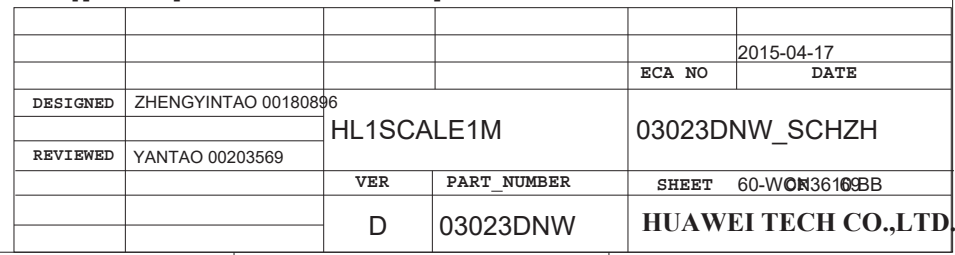
•

59.GPS

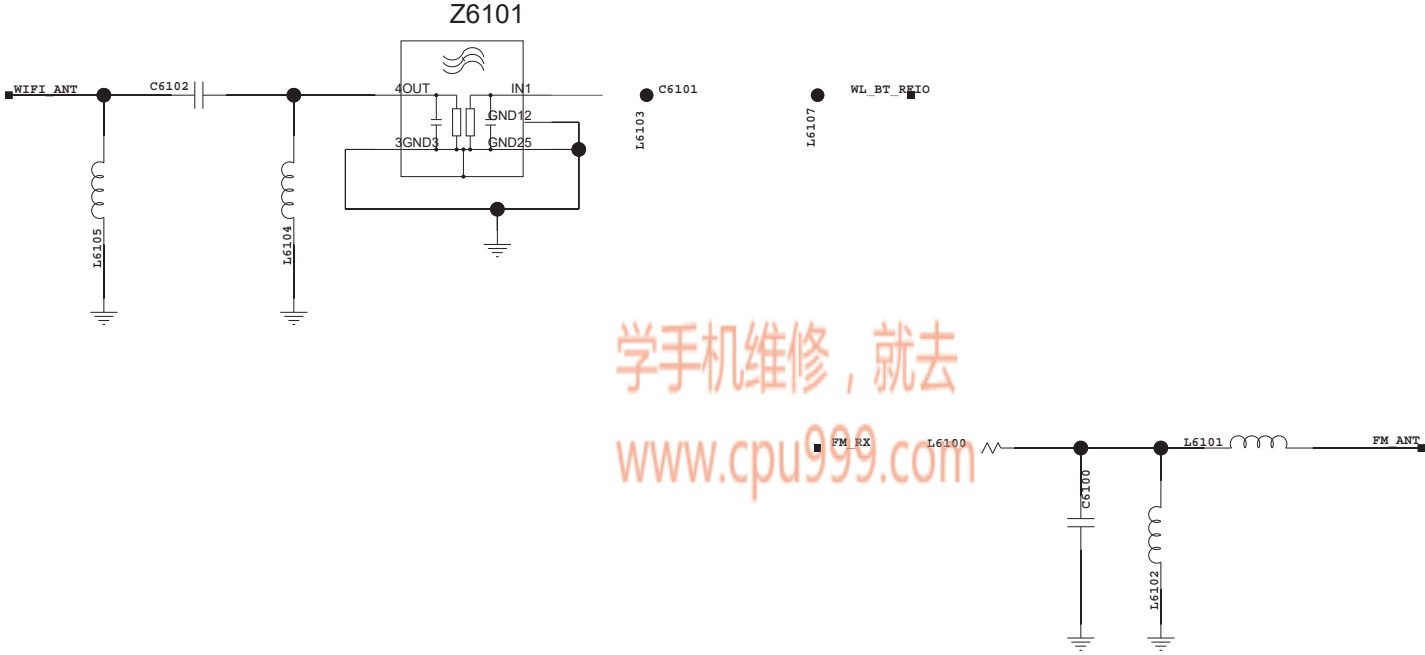


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The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	59-GPS 69
		D	03023DNW	HUAWEI TECH CO.,LTD.	



61. WCN3610 RF



The type and specification of the components refer to the BOM					
				ECA NO	2015-04-17
				DATE	
DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	61-WCN3610 RF
		D	03023DNW	HUAWEI TECH CO.,LTD.	

62. Reserved

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The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	62-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

63.Reserved

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The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	63-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

64.Reserved

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The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	64-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

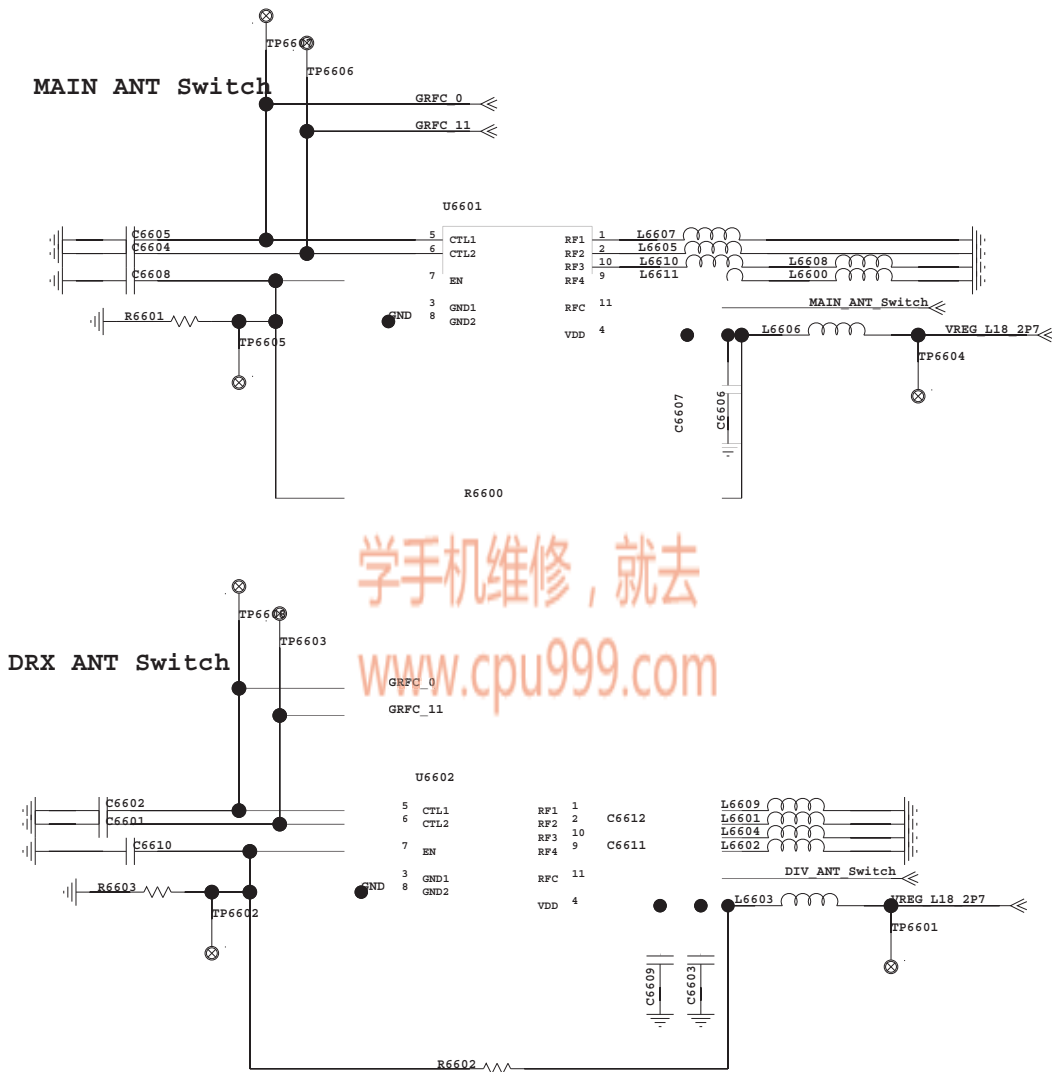


65.Reserved

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					2015-04-17
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DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	65-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

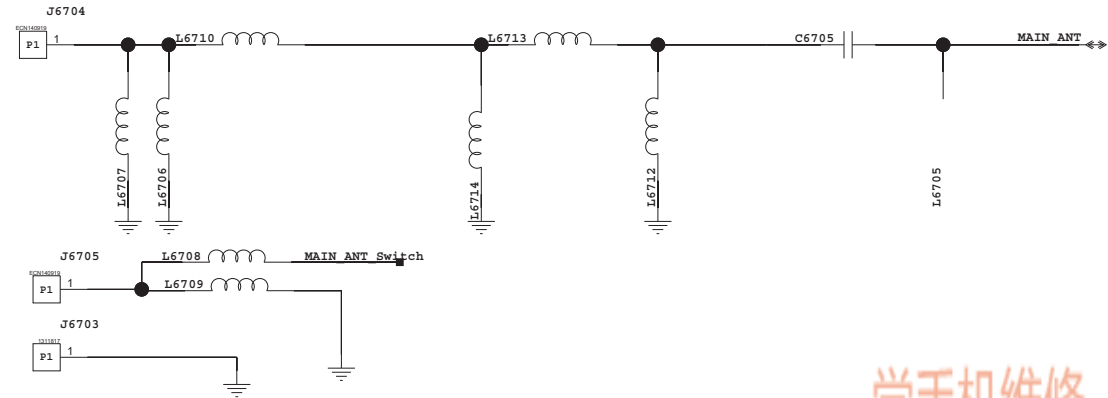
66 ANT TUNER



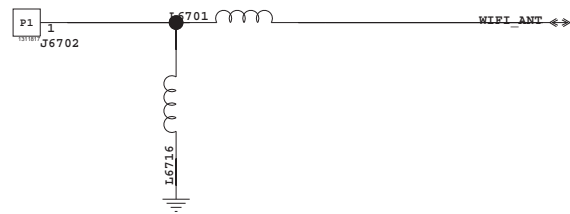
The type and specification of the components refer to the BOM					
					2015-04-17
				ECA NO	DATE
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REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET 66-ANT TUNER	
		D	03023DNW	HUAWEI TECH CO.,LTD.	

67.ANTENNA MATCH

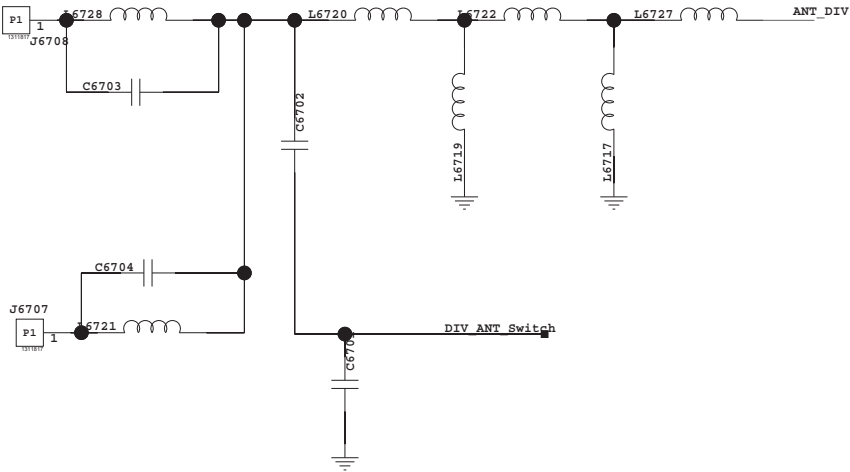
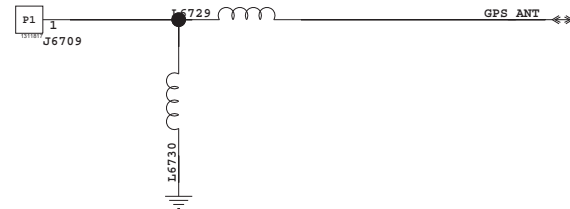
Main ANT



WIFI ANT



GPS ANT



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REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	67-ANTENNA MATCH
		D	03023DNW	HUAWEI TECH CO.,LTD.	

68.Reserved

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DESIGNED	ZHENG YINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	68-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	

69.Reserved

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DESIGNED	ZHENGYINTAO 00180896	HL1SCALE1M		03023DNW_SCHZH	
REVIEWED	YANTAO 00203569				
		VER	PART_NUMBER	SHEET	69-Reserved
		D	03023DNW	HUAWEI TECH CO.,LTD.	