

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
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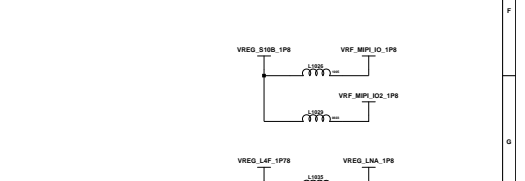
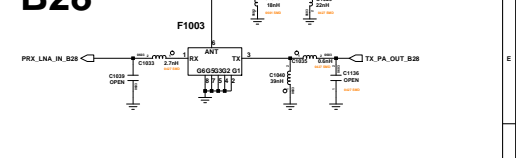
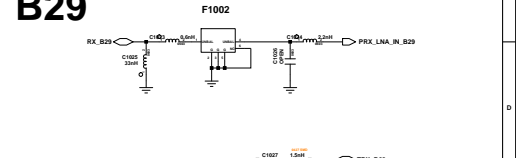
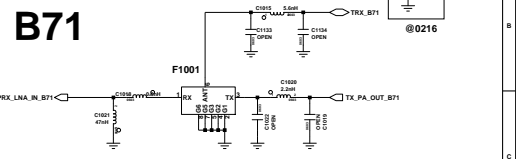
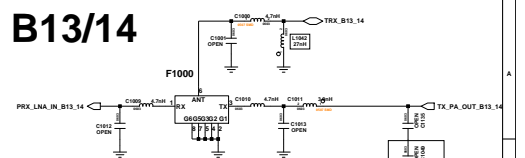
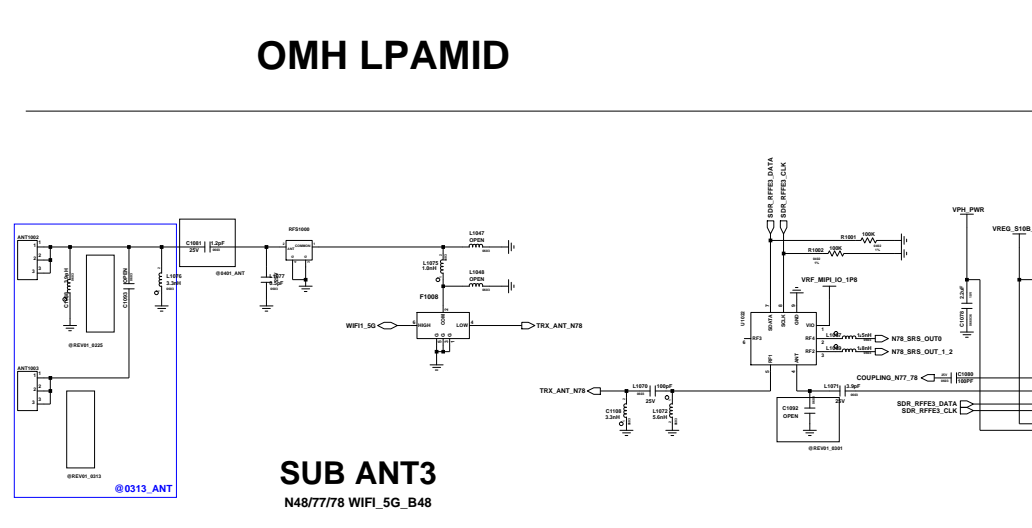
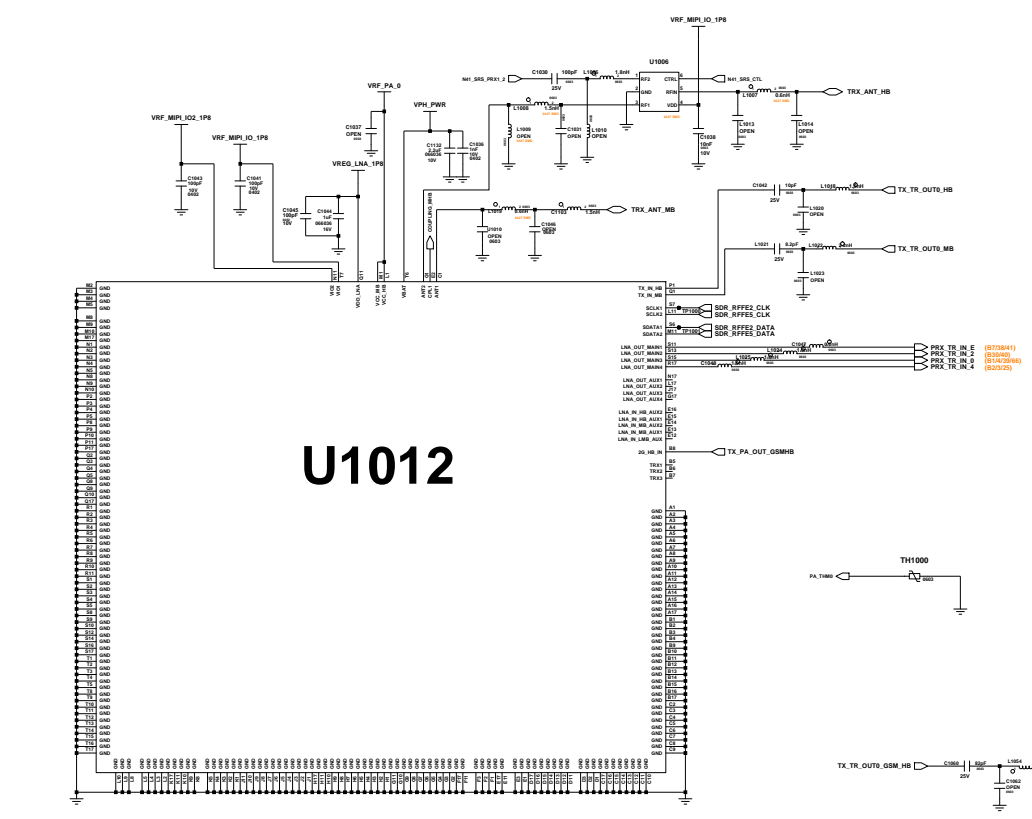
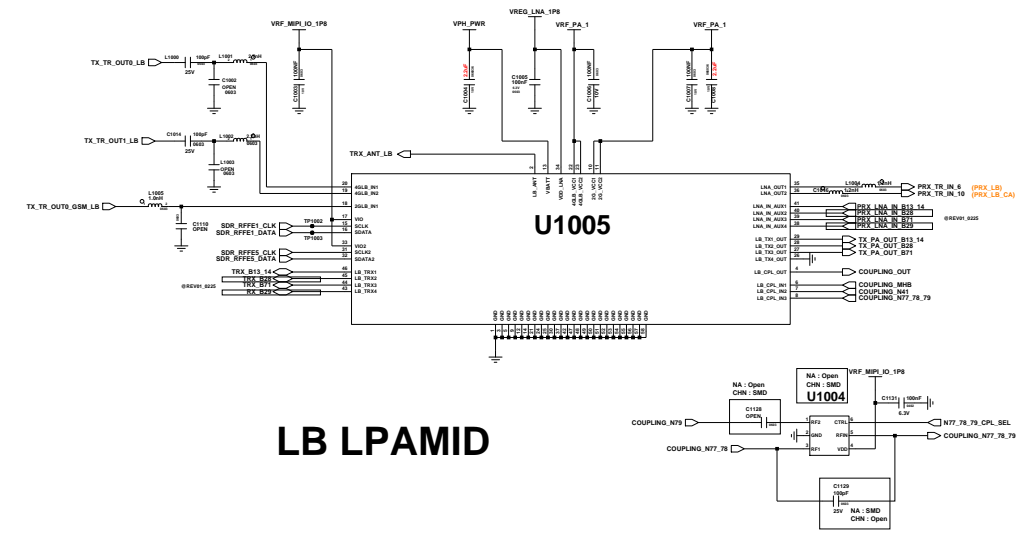
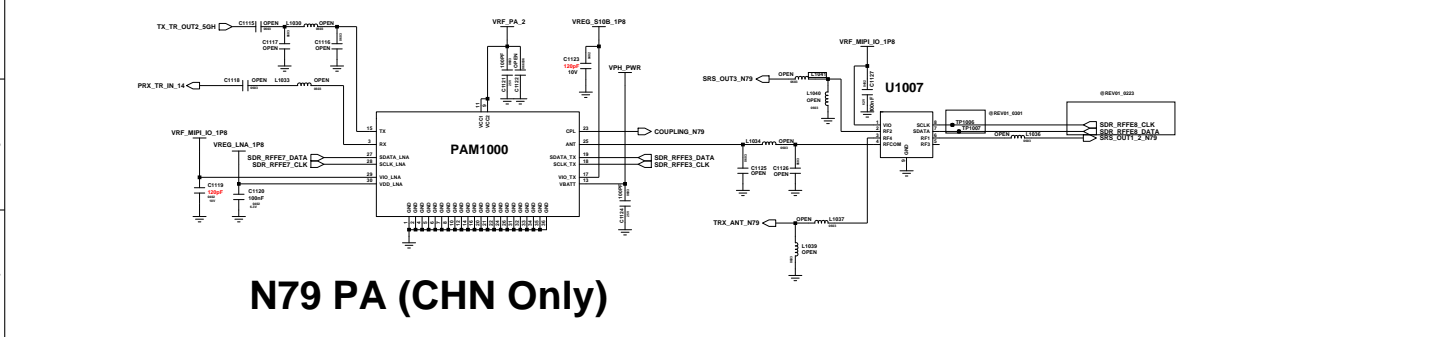
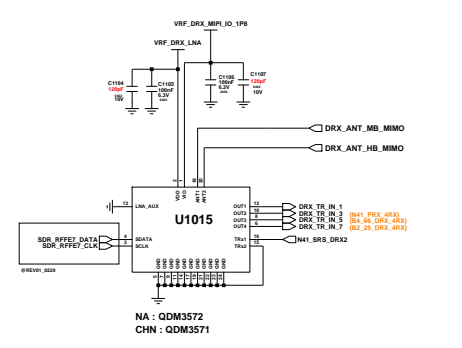
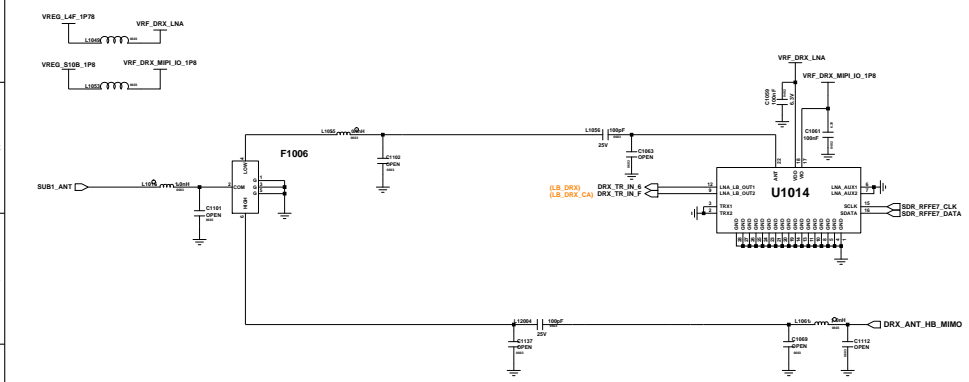
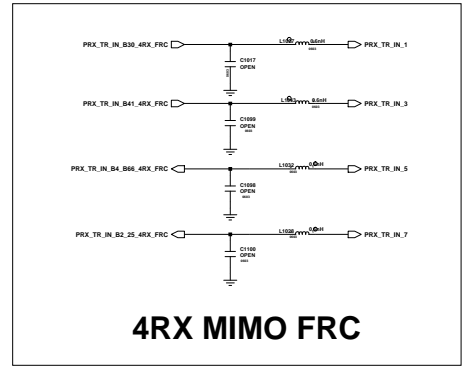
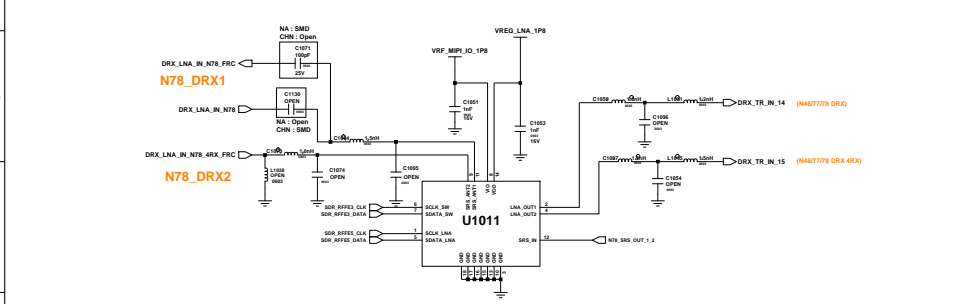
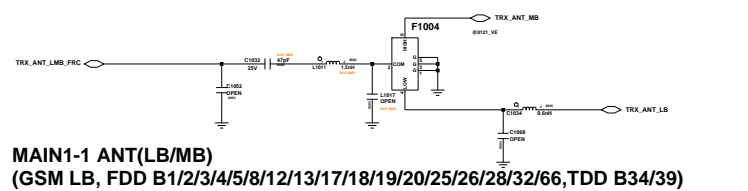
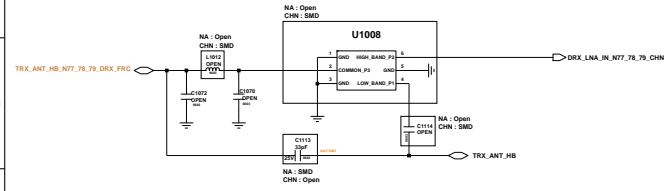
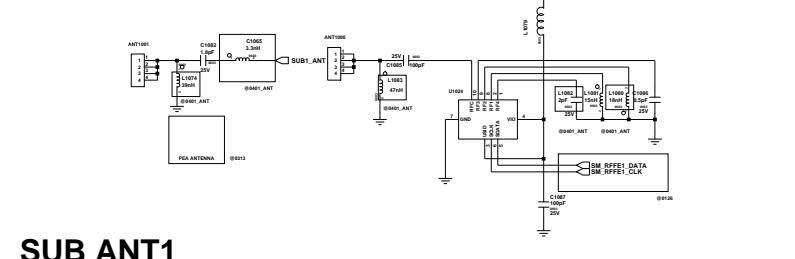
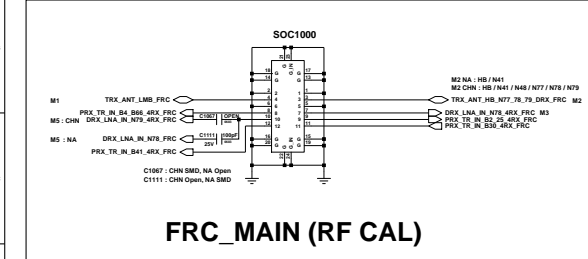
SM-G990W_REV05B

SM-G990W Common

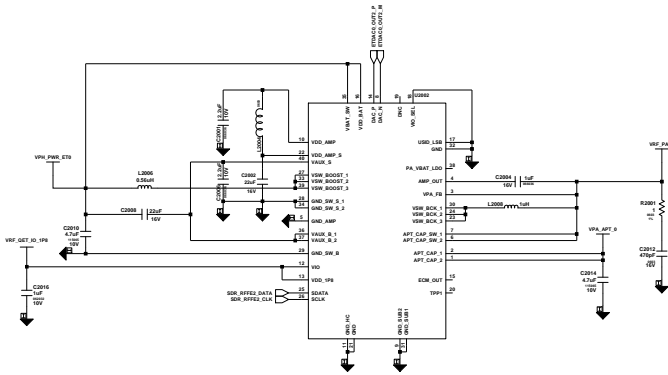
2021. 05. 24

- sheet01 : RF (1/2)
- sheet02 : RF (2/2)
- sheet03 : TRANSCEIVER, WIFI
- sheet04 : MFC, SENSORS, MOTOR
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- sheet06 : ModAP(SM8350) Power Decoupling Capacitor
- sheet07 : Power Management IC(ModAP / Peri) & Charging
- sheet08 : AUDIO
- sheet09 : CAMERA
- sheet10 : DISPLAY
- sheet11 : CONNECTORS, ETC
- sheet12 : mmW, RF PMIC

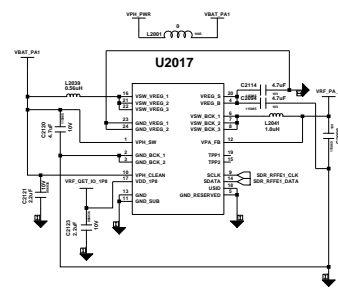
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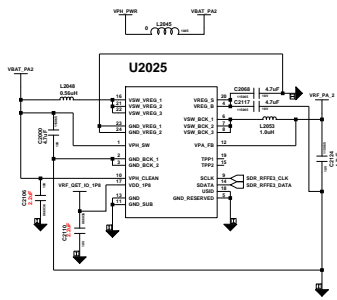
RF2



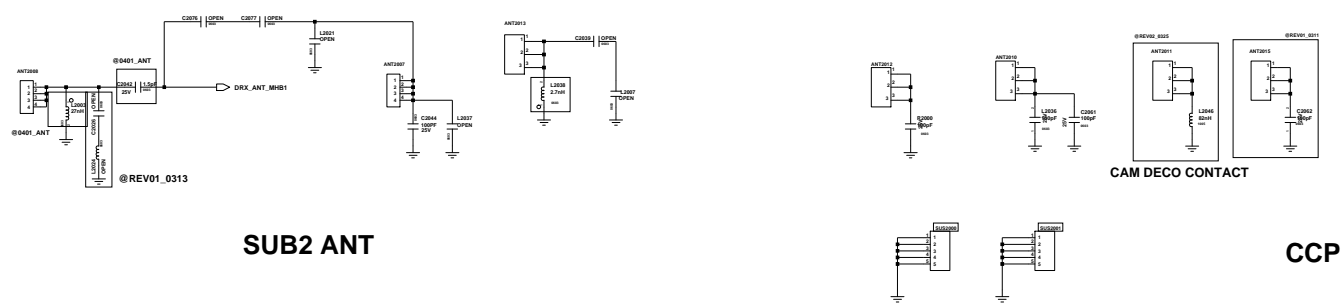
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ET #2 3G/LTE/NR LB(LB LPAMID)



ET#3 NR MHB/UHB(ENDC MOD,UHB MOD)

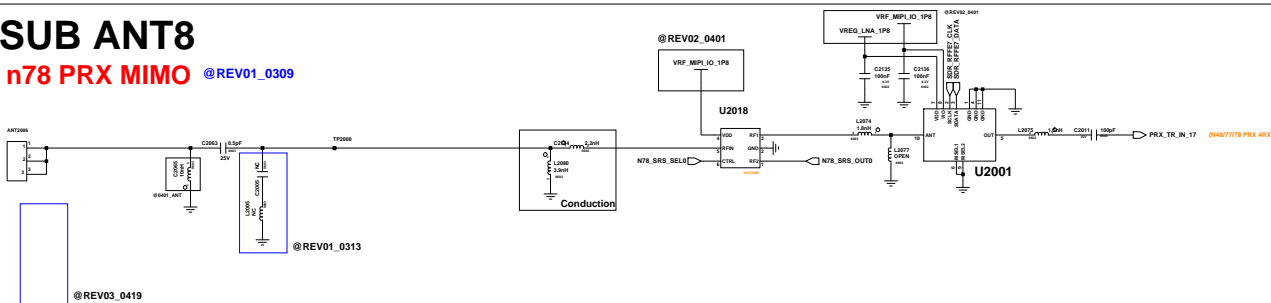


SUB2 ANT

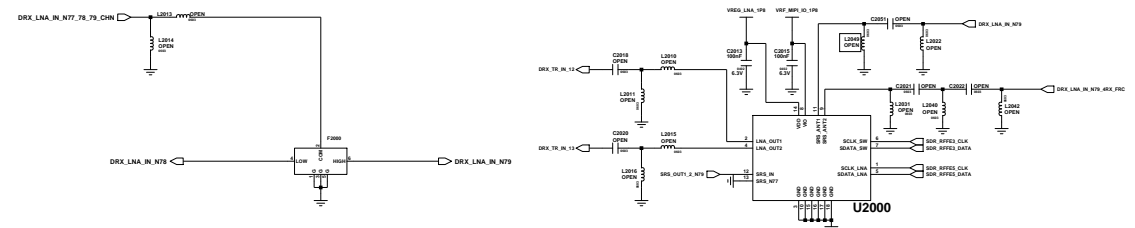
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SUB ANT8

n78 PRX MIMO @REV01_0309

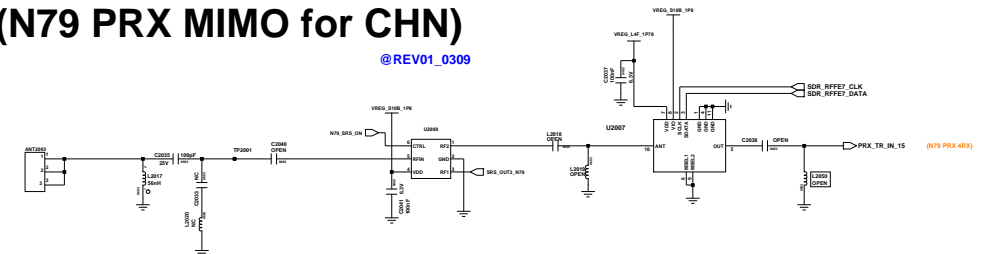


N79 DRX1/2 LFEM for CHN (NA : Open)



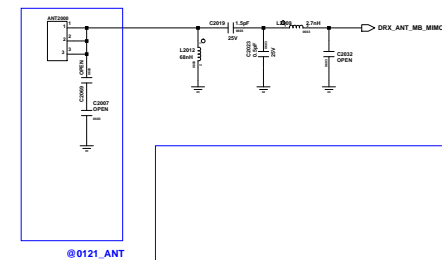
SUB ANT5 (N79 PRX MIMO for CHN)

@REV01_0309



SUB ANT6

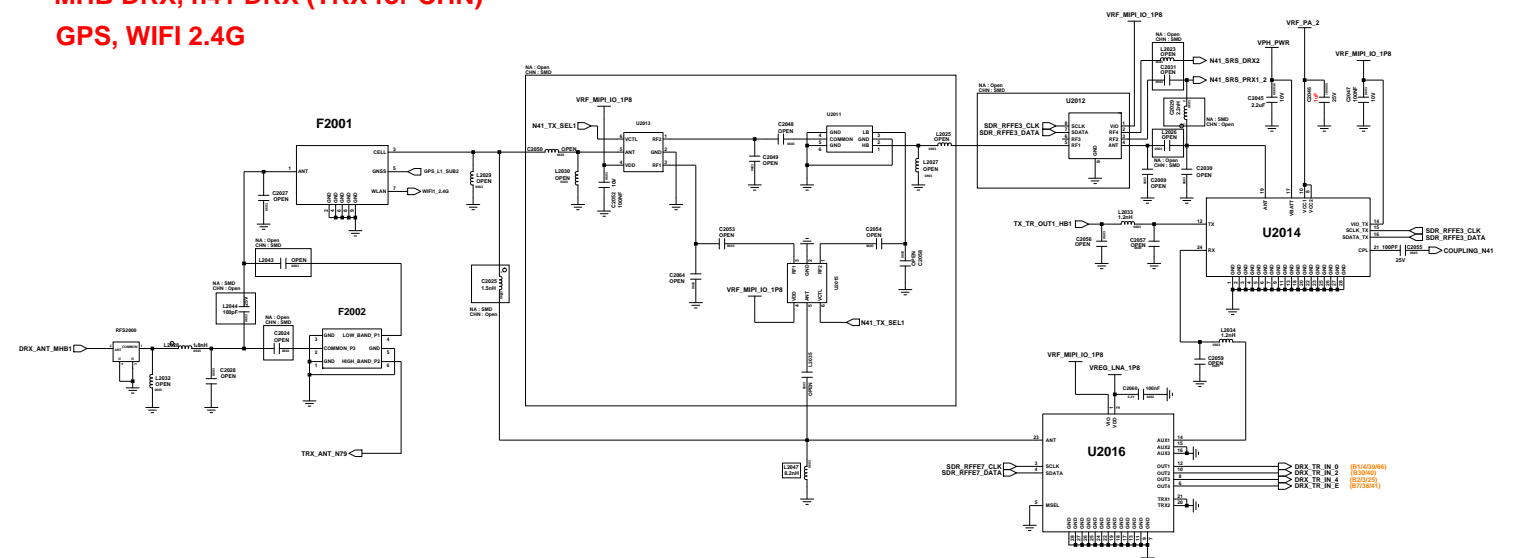
B2/4 DRX MIMO

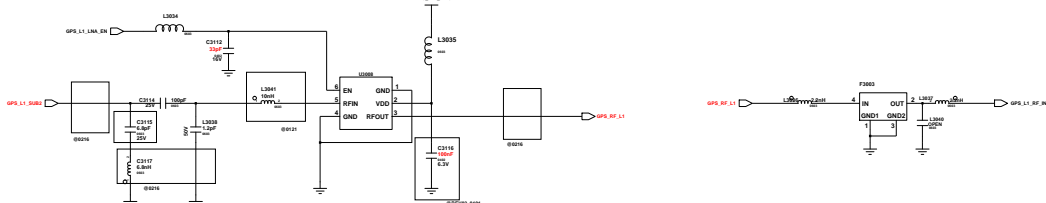
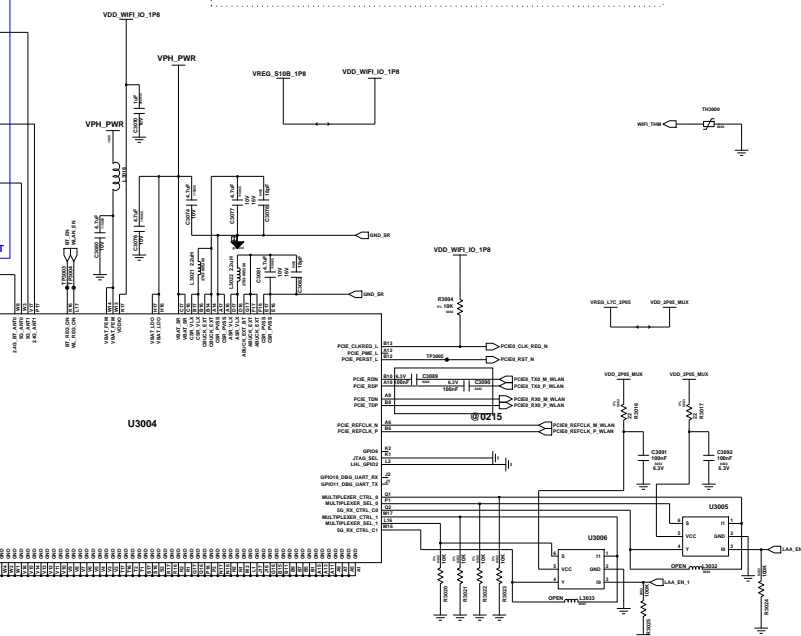
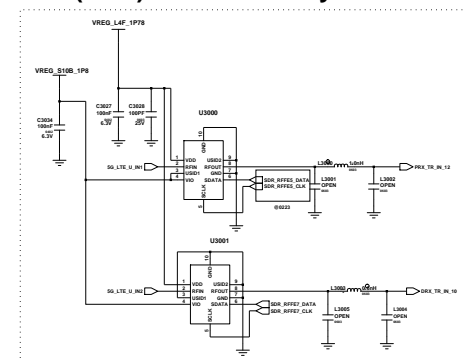
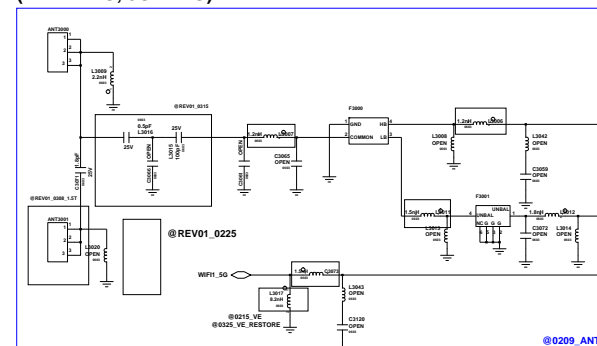
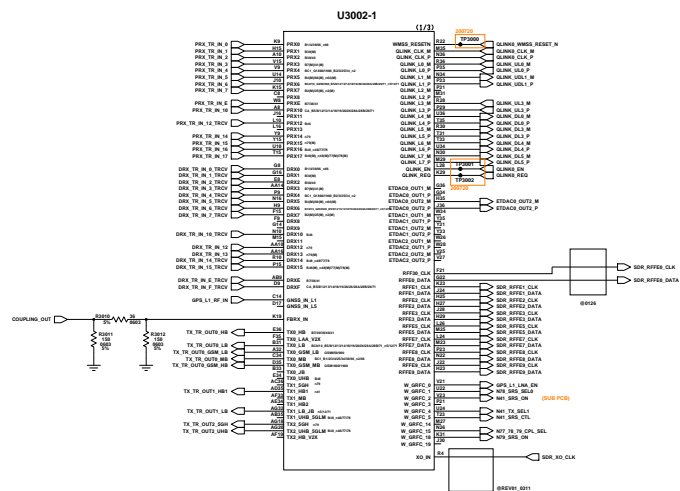
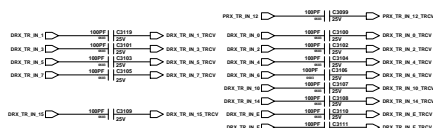
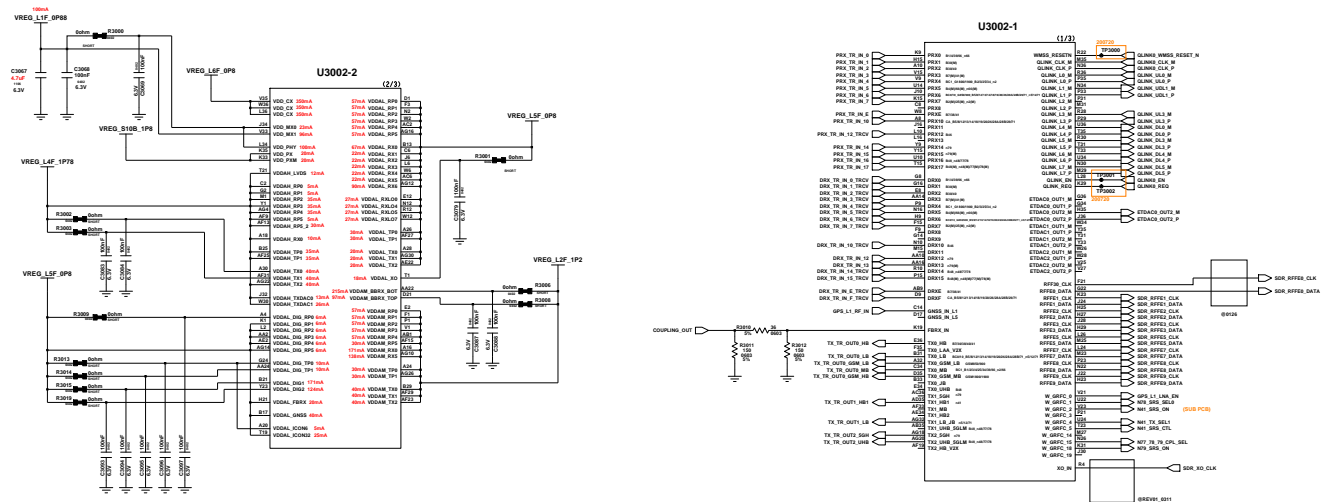


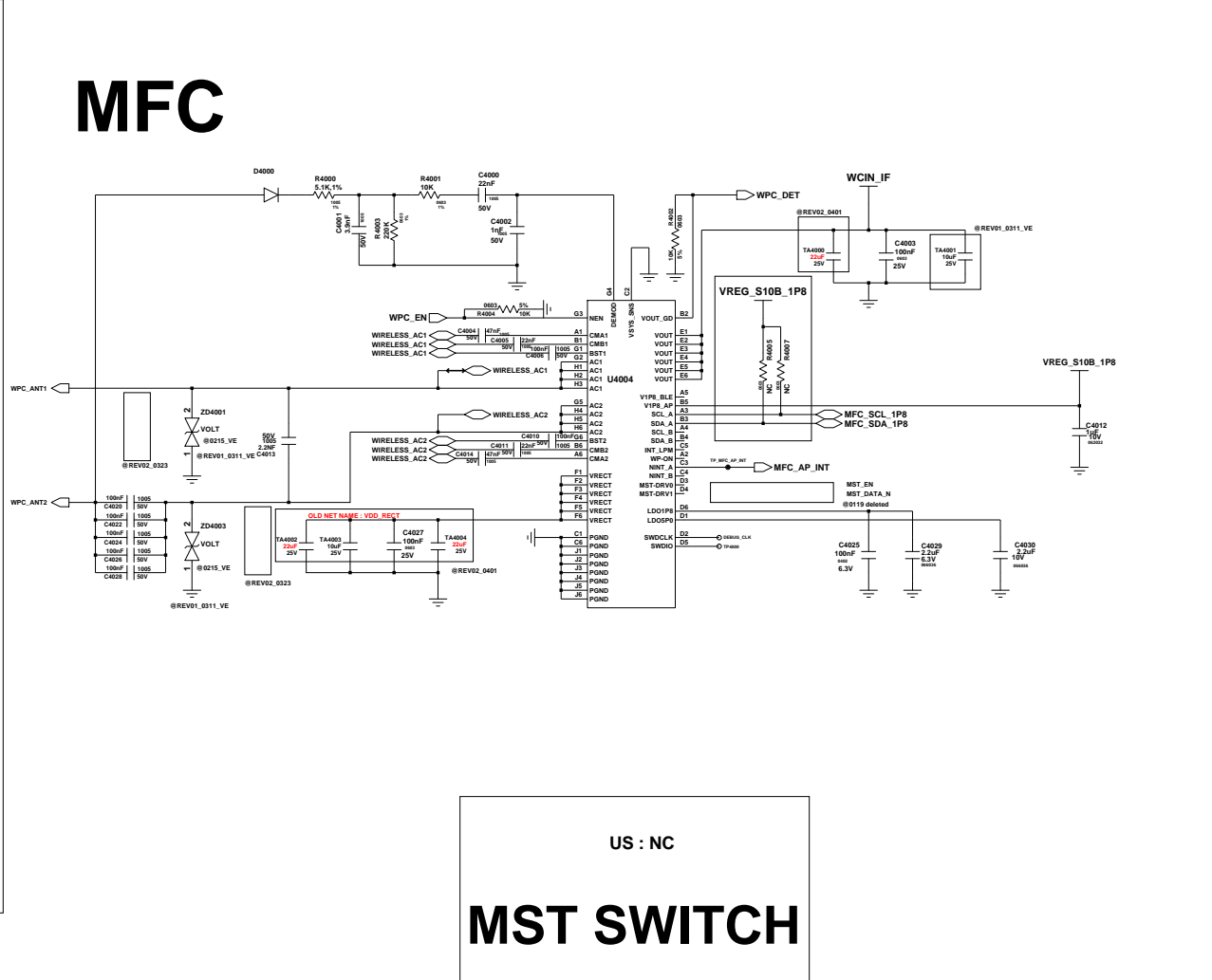
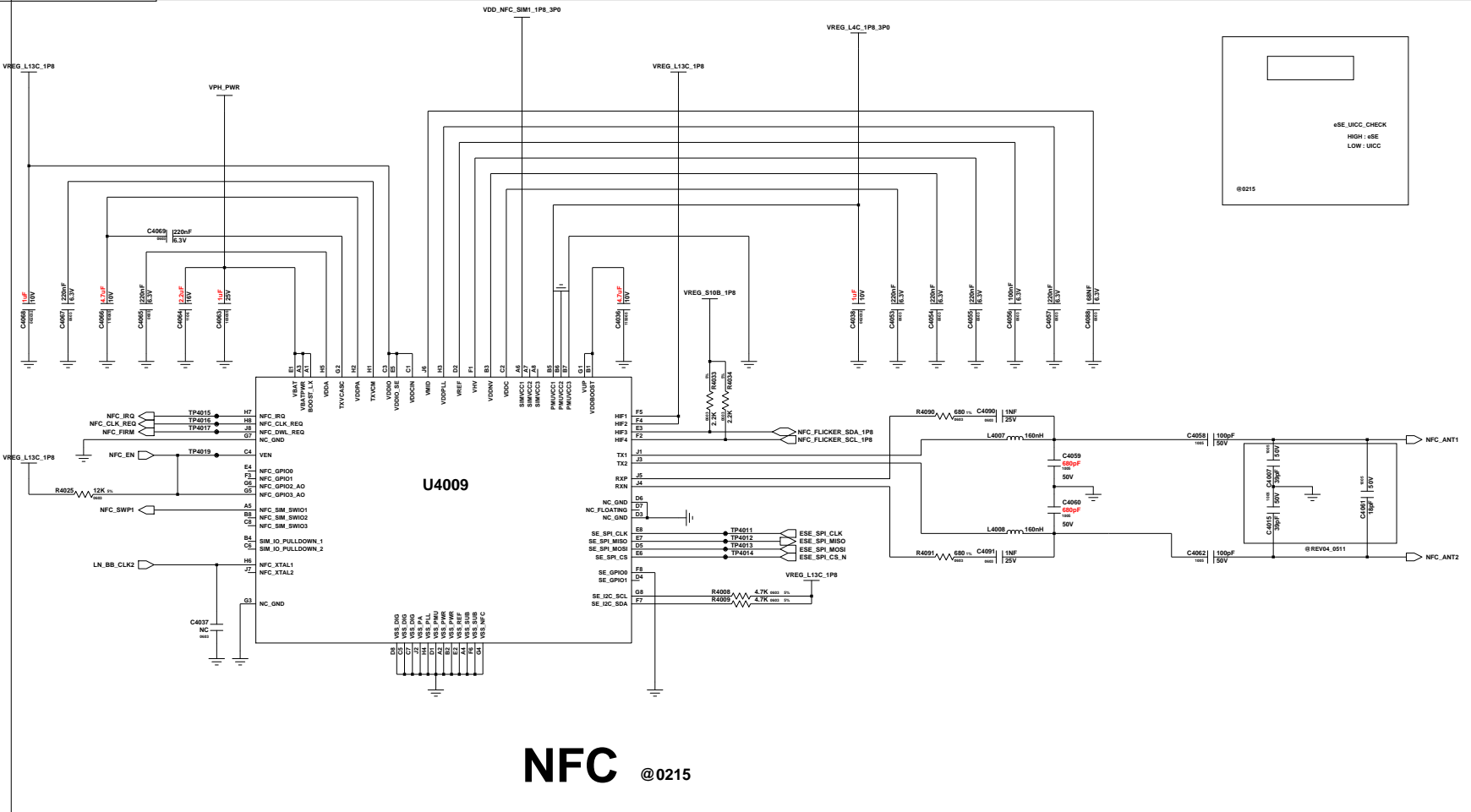
SUB ANT7

SUB ANT2

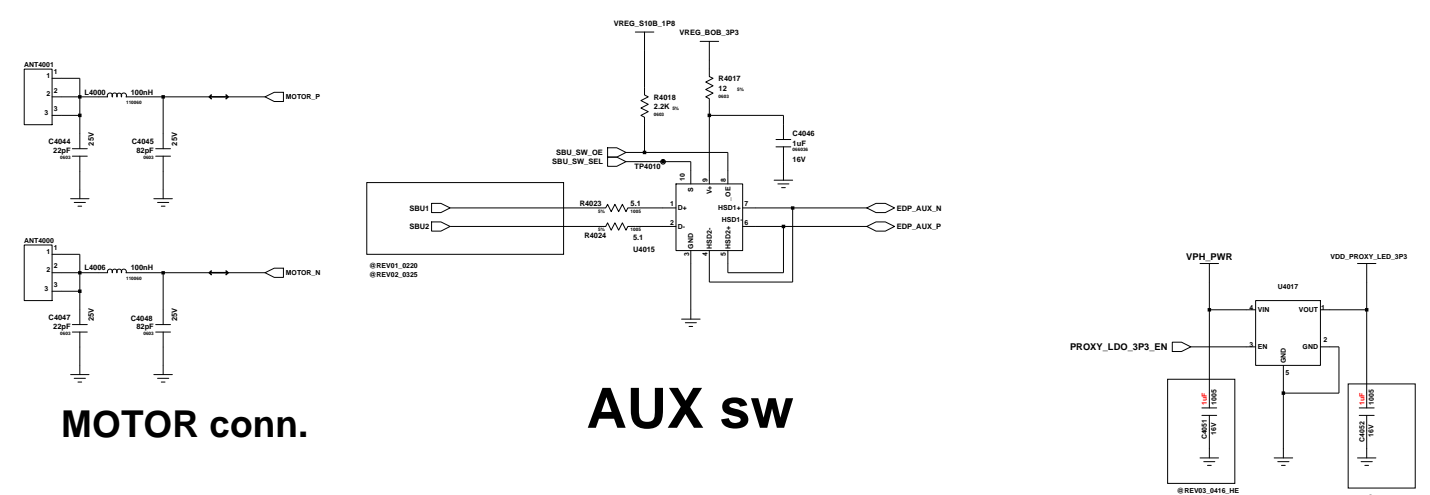
MHB DRX, n41 DRX (TRX for CHN)
GPS, WIFI 2.4G



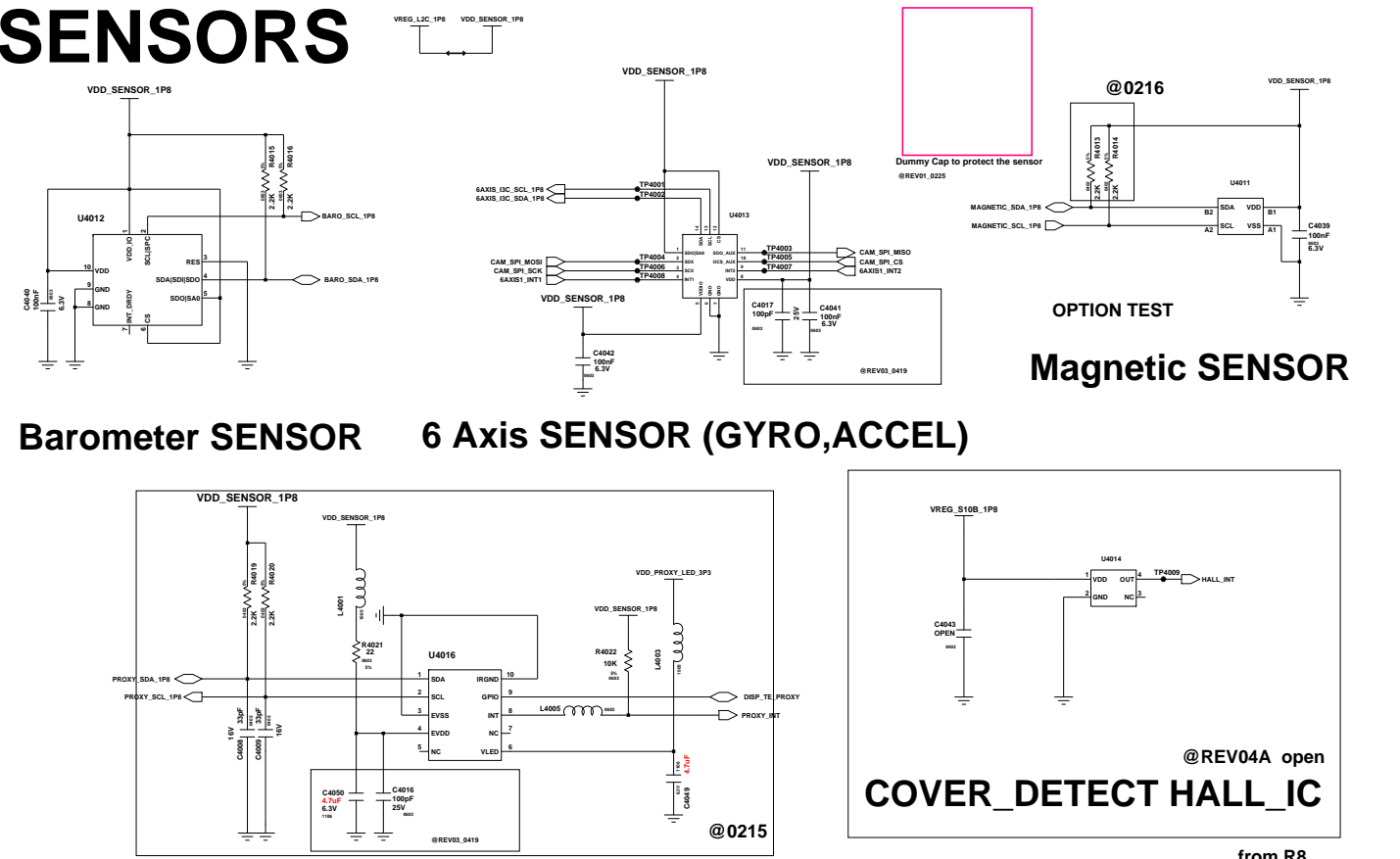




System

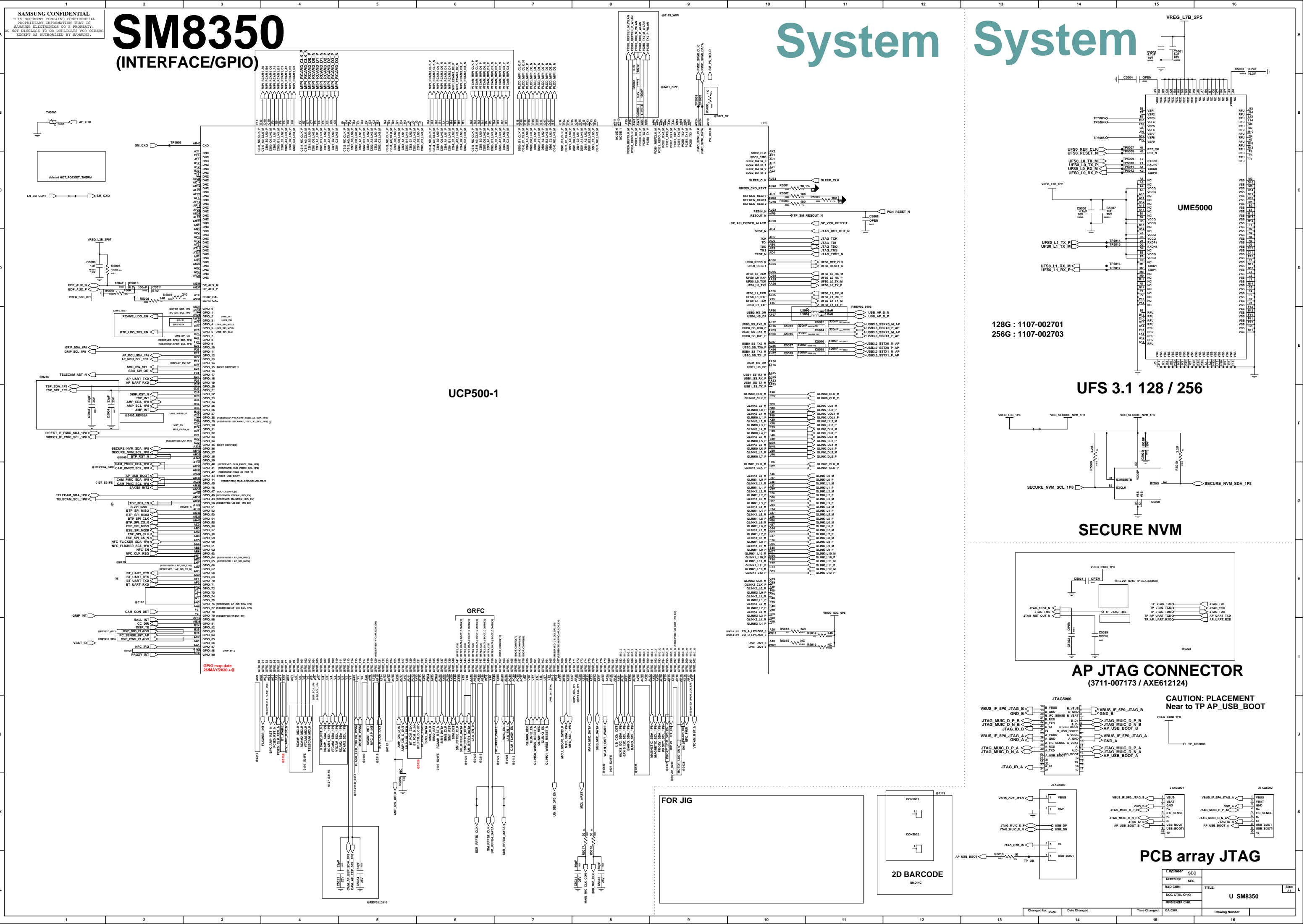


SENSORS



Proximeter/Ambient Light Sensor

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Drawn by:	SEC			
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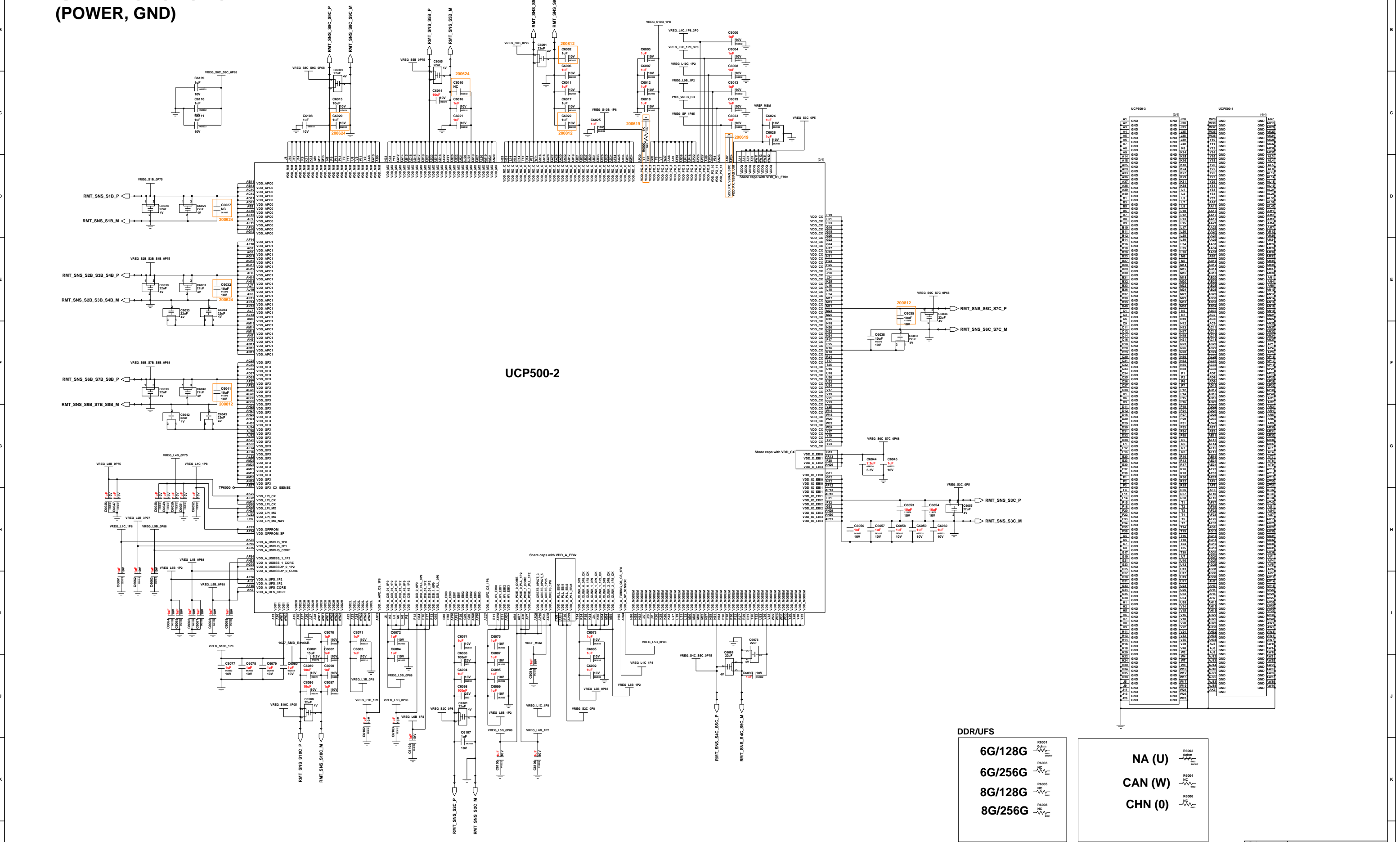


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SM8350

(POWER, GND)

Power



DDR/UFS

<p>6G/128G</p> <p>R6001 SATA SATA SATA</p> <p>6G/256G</p> <p>R6003 NV NV NV</p> <p>8G/128G</p> <p>R6005 NV NV NV</p> <p>8G/256G</p> <p>R6008 NV NV NV</p>	<p>NA (U)</p> <p>R6002 SATA SATA SATA</p> <p>CAN (W)</p> <p>R6004 NV NV NV</p> <p>CHN (0)</p> <p>R6006 NV NV NV</p>
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H/W ID table(PM8350 A)

H/W ID	BOARD REVISION
00	S21FE BRINGUP
01	SM-G990V_REV00
02	SM-G990U_REV01A,B
03	SM-G990U_REV01C(WLAN TEST)
04	SM-G990U_REV01D
05	SM-G990U_REV02
06	SM-G990U_REV02A
07	SM-G990U_REV03
08	SM-G990U_REV04
09	SM-G990U_REV04A
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U7002

REVLS_001

!! HW workaround for PM8350 ES1 leakage issue !!

!! HW workaround for PM8350 ES1 leakage issue !!
This components can be removed with EA2.0 or later PMICs

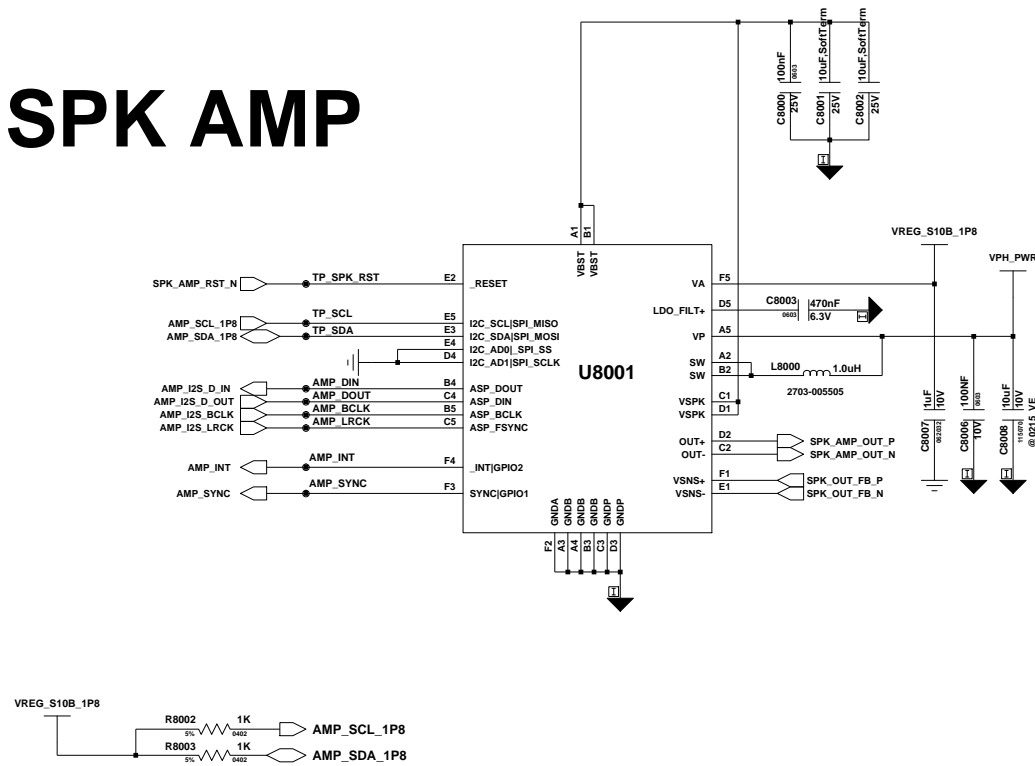
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3	0	skip	LOW	52.3k
4	0	skip	HIGH	68.1k
5	X	enable	LOW	147k
6	X	enable	HIGH	191k
7	X	skip	LOW	357k
8	X	skip	HIGH	open



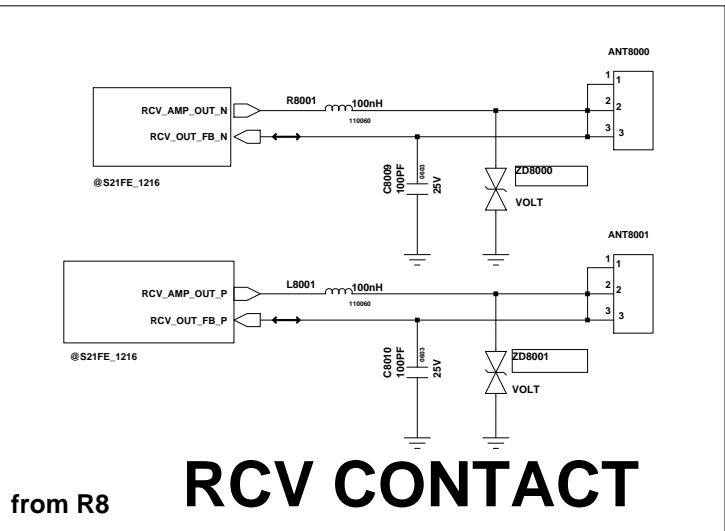
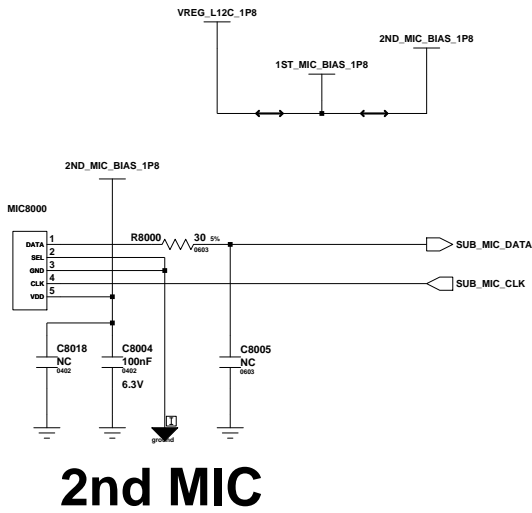
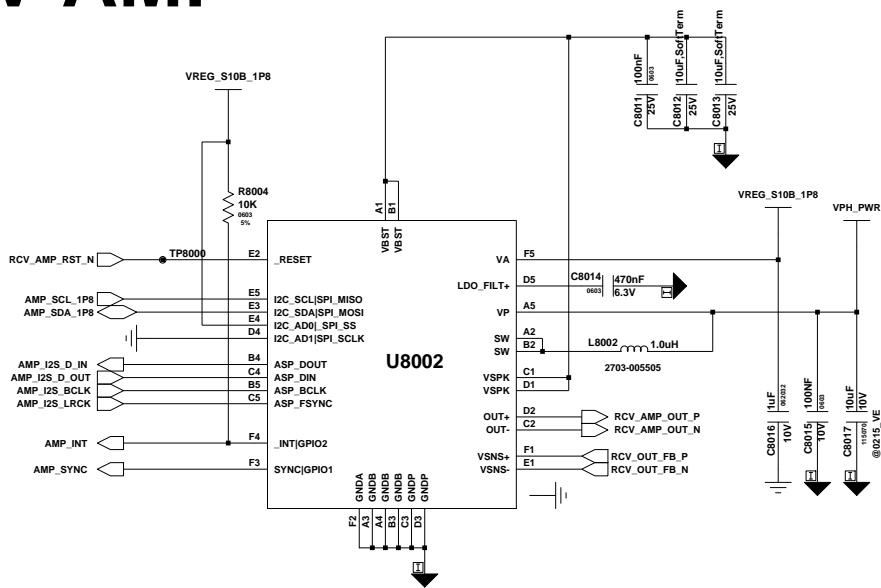
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AUDIO PART

SPK AMP



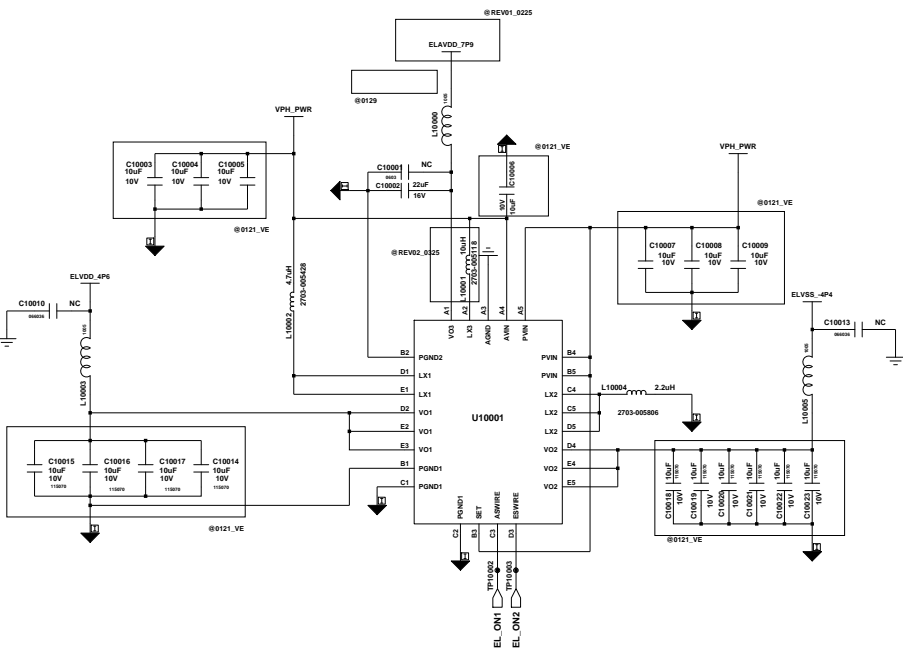
RCV AMP



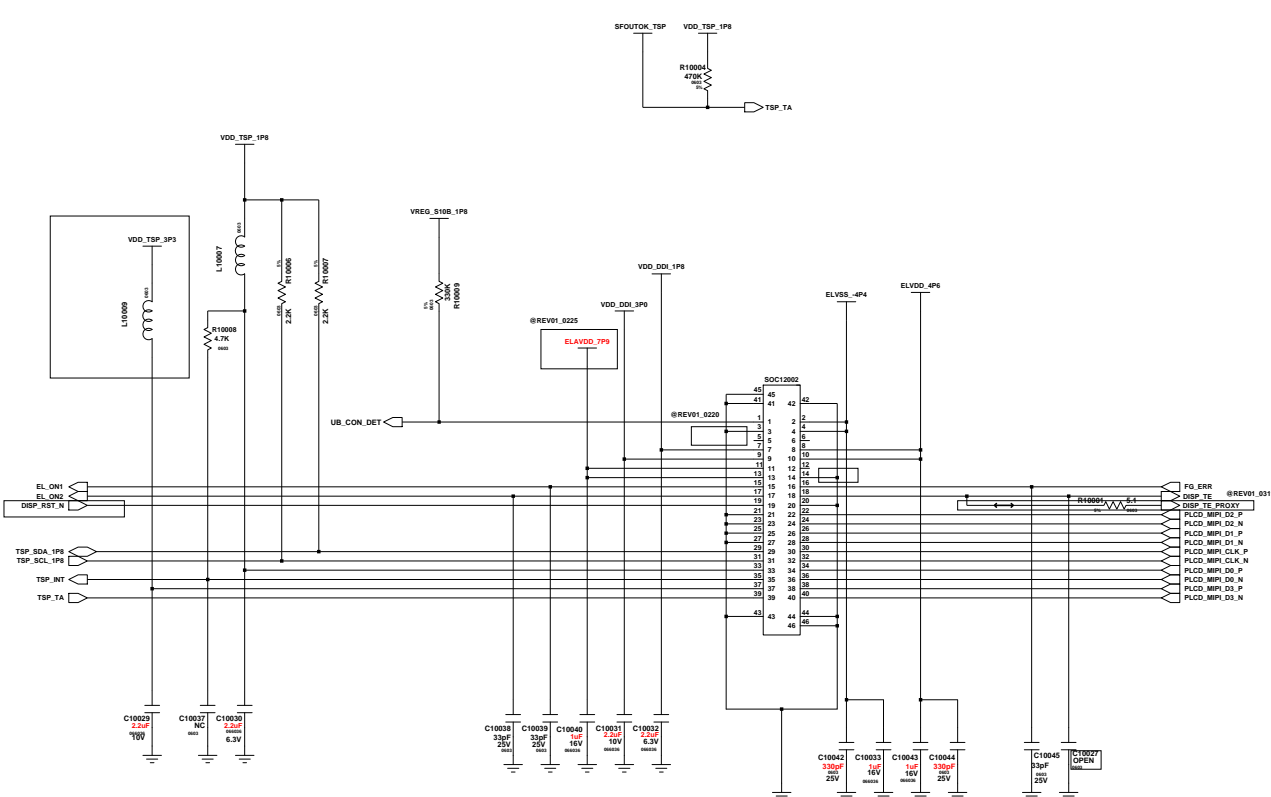
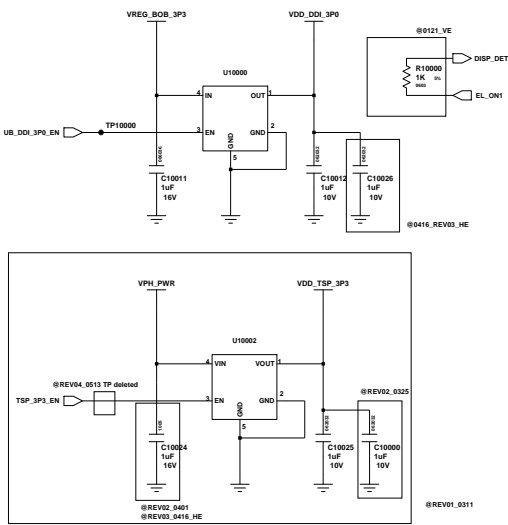
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from R1

DISPLAY



DISPLAY PMIC

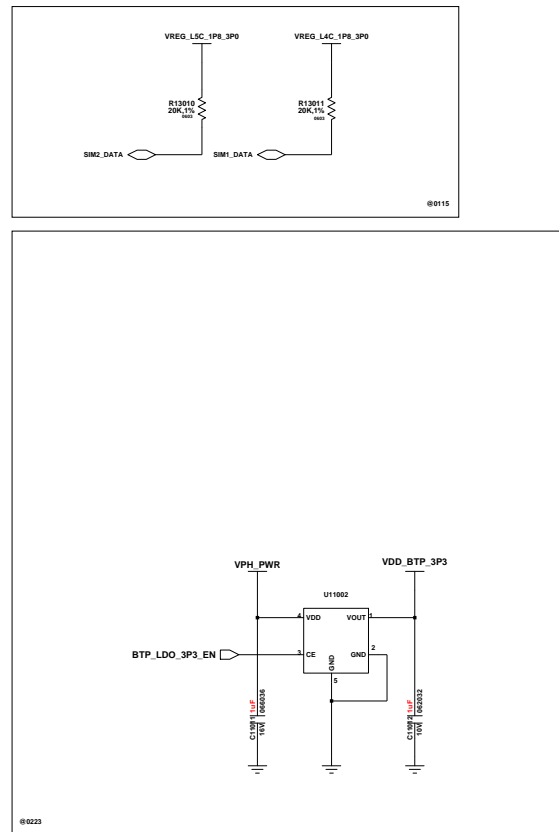


DISPLAY CONNECTOR

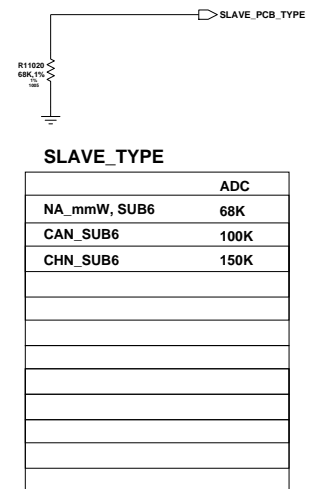
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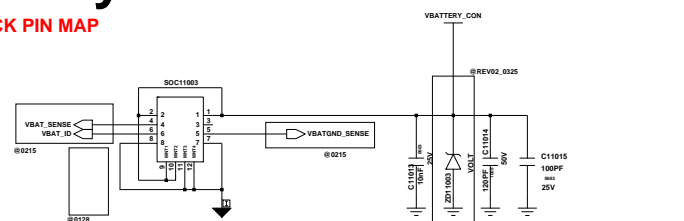
BOSS HOLE & SHIELD CAN



IF SUB PBA Conn

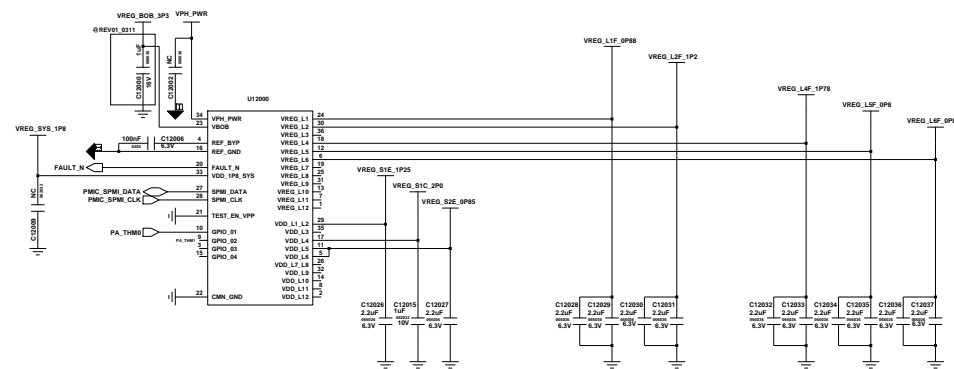
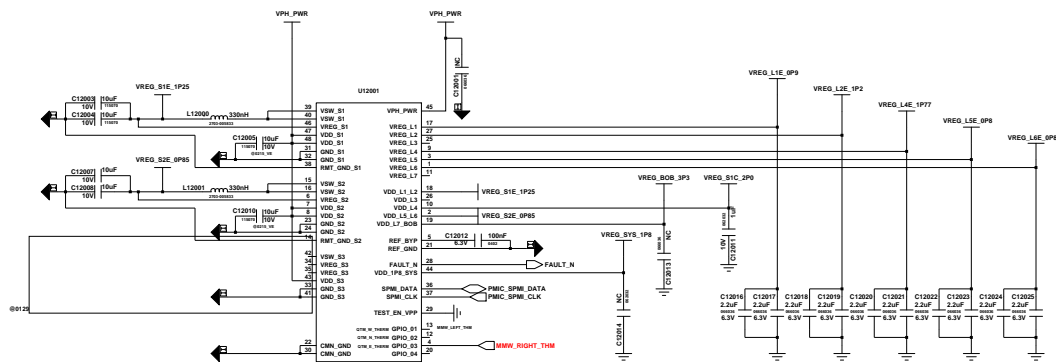


CHECK PIN MAP

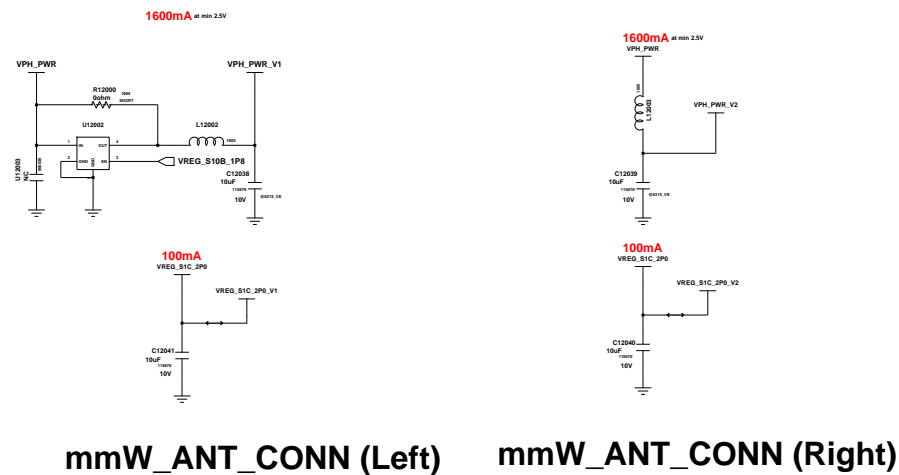


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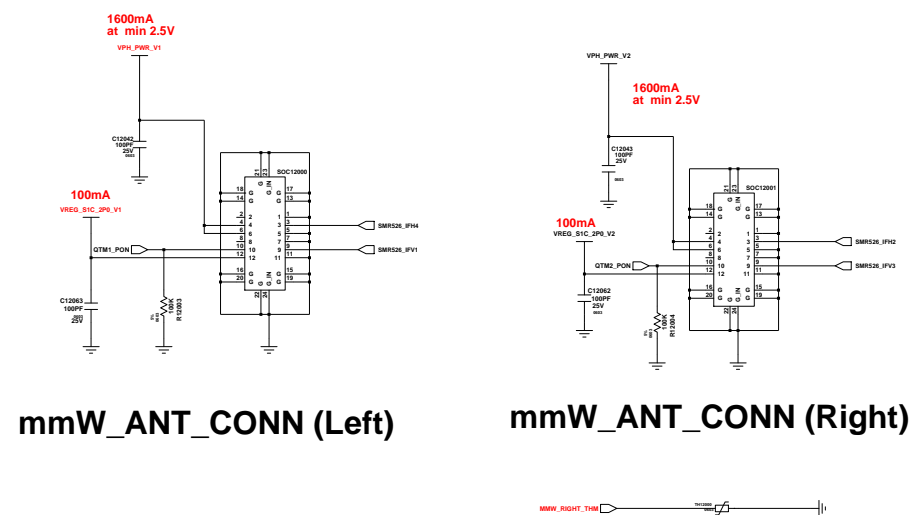
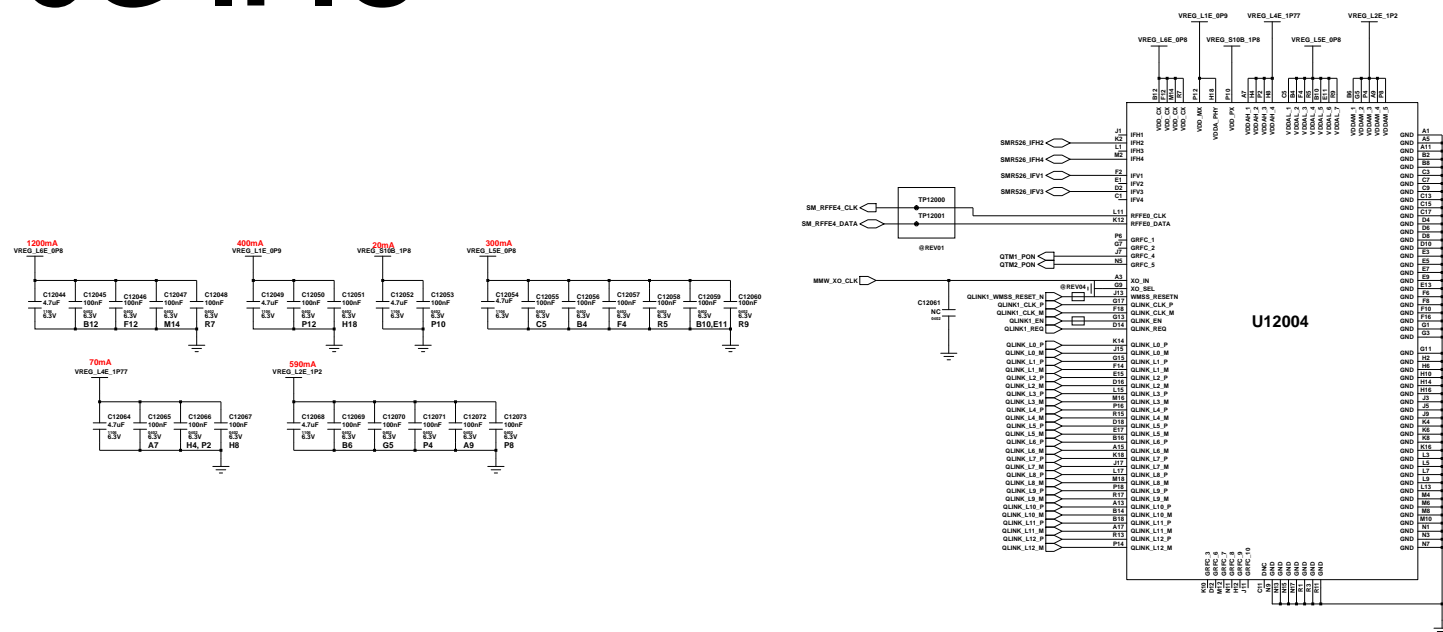
RF PMIC



PMR735B



5G IFIC



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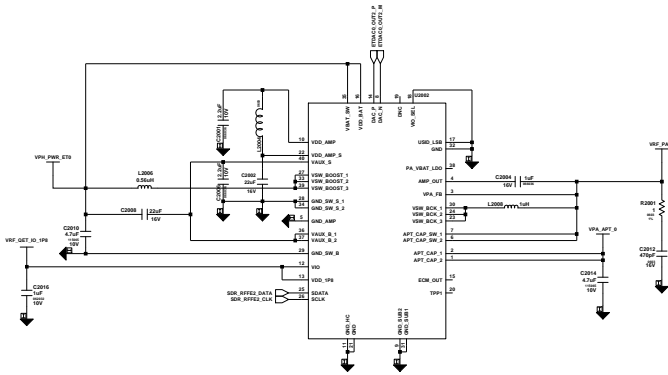
SM-G990W_REV05B

2021. 06. 04 SMD

- sheet01 : RF (1/2)
- sheet02 : RF (2/2)
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- sheet12 : mmW, RF PMIC

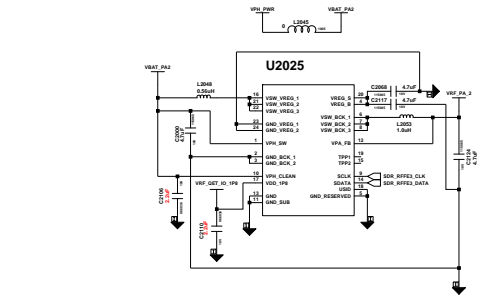
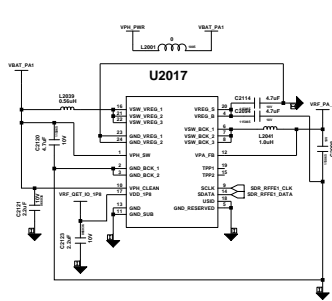
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RF2

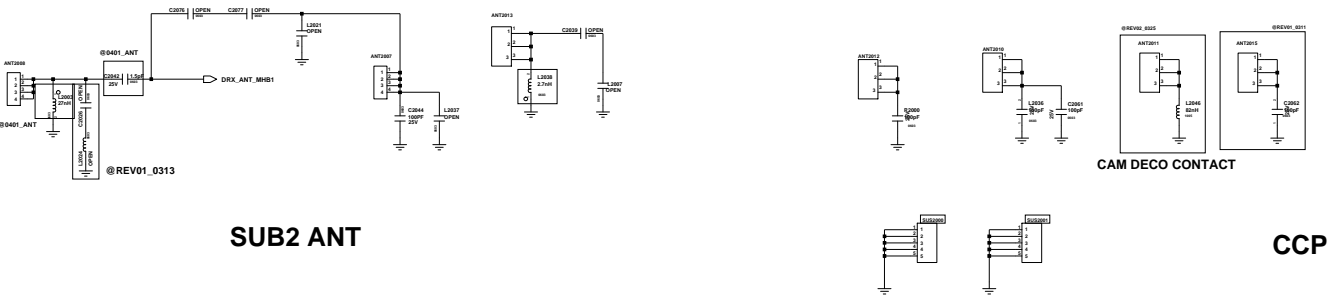


ET#1 2G/3G/LTE/NR MHB(2G,OMH LPAMID)

ET #2 3G/LTE/NR LB(LB LPAMID)



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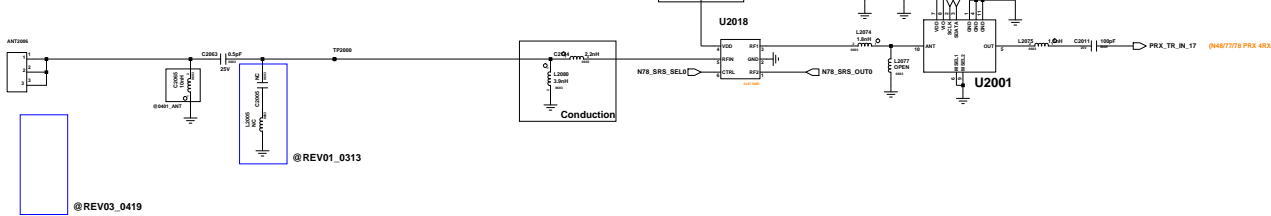


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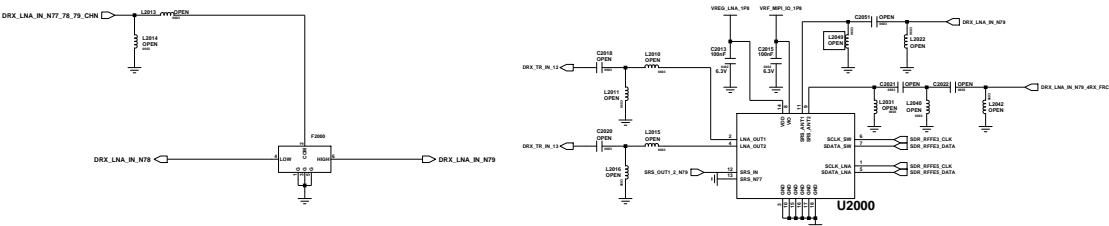
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SUB ANT8

n78 PRX MIMO @REV01_0309

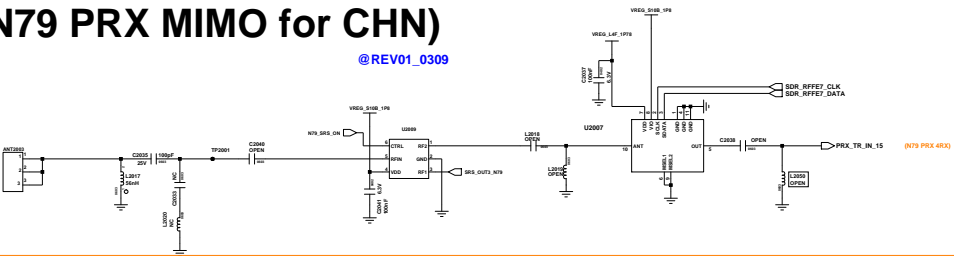


N79 DRX1/2 LFEM for CHN (NA : Open)



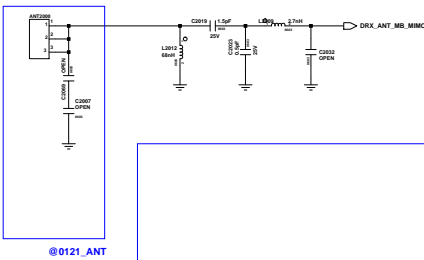
SUB ANT5 (N79 PRX MIMO for CHN)

@REV01_0309



SUB ANT6

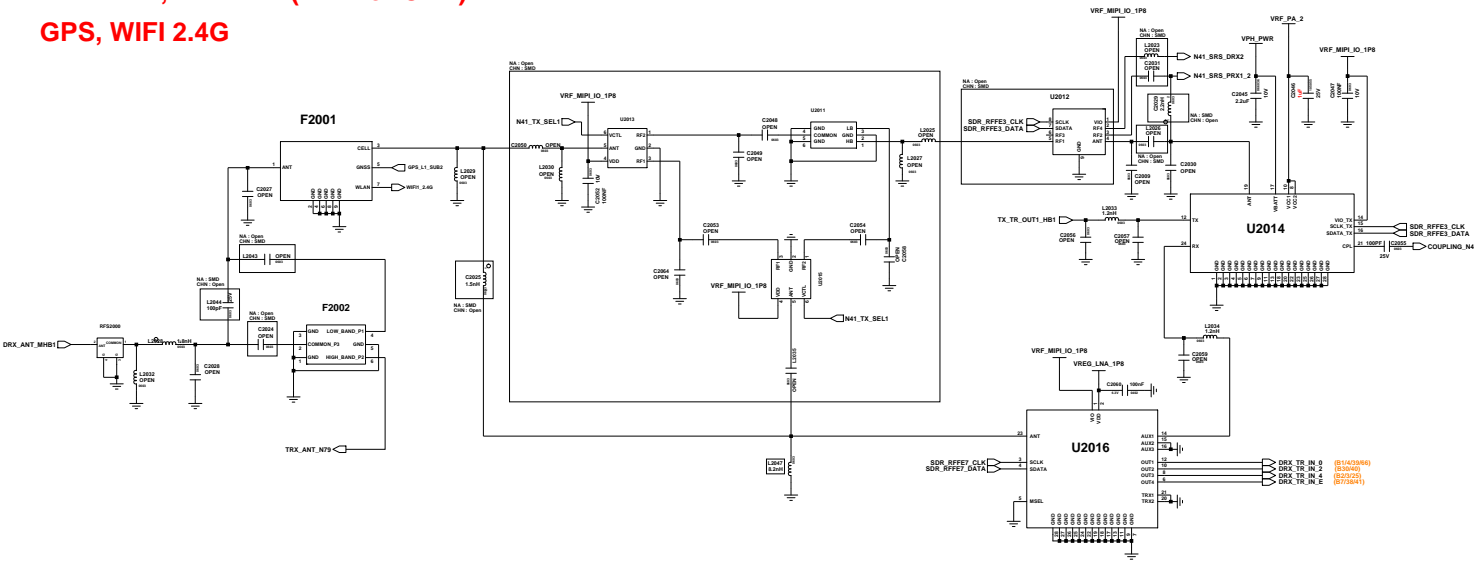
B2/4 DRX MIMO



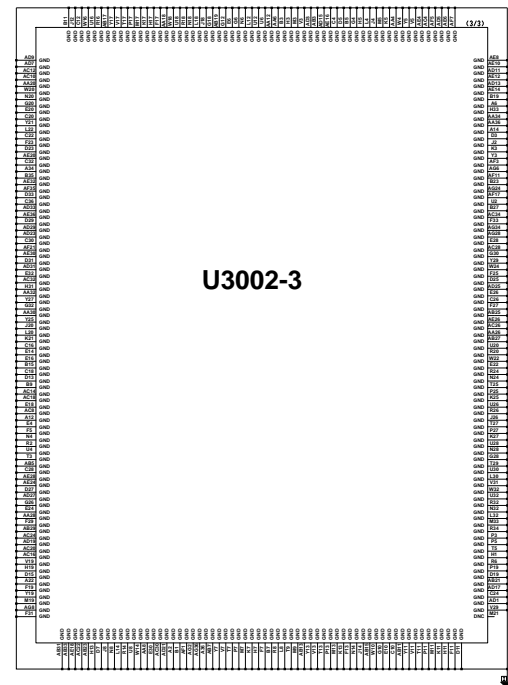
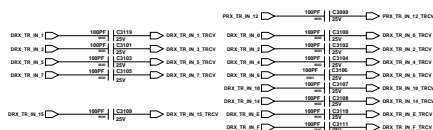
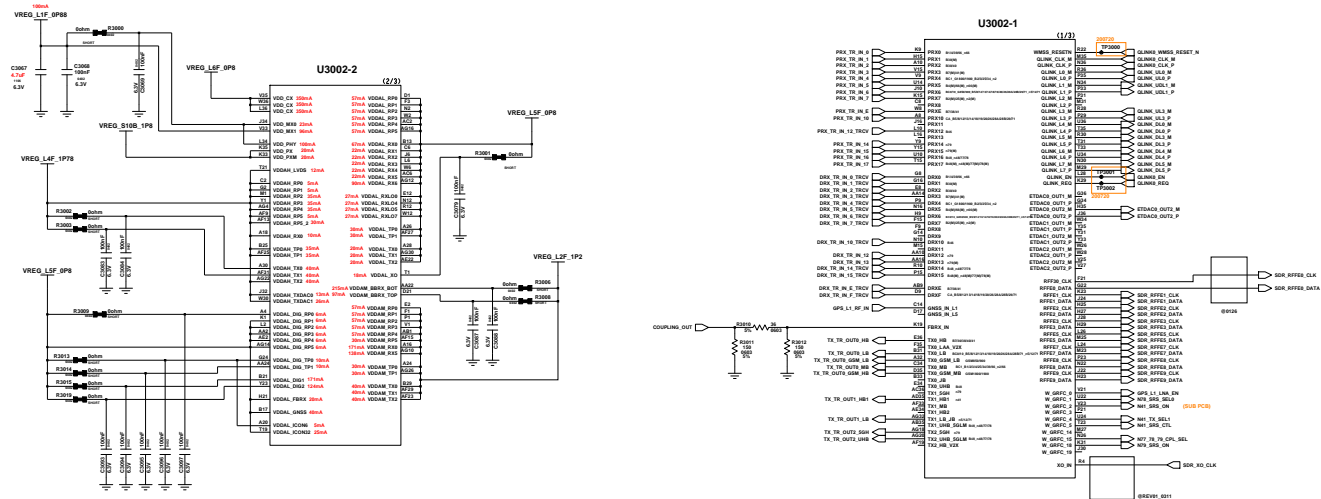
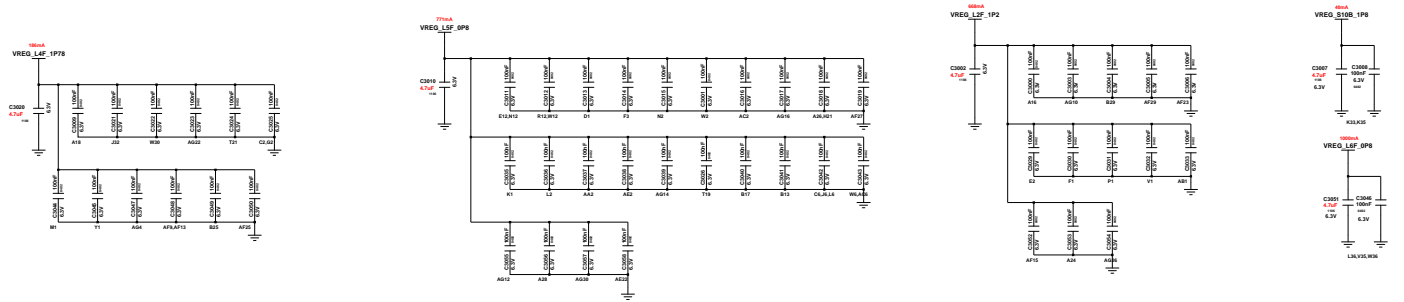
SUB ANT7

SUB ANT2

MHB DRX, n41 DRX (TRX for CHN)
GPS, WIFI 2.4G

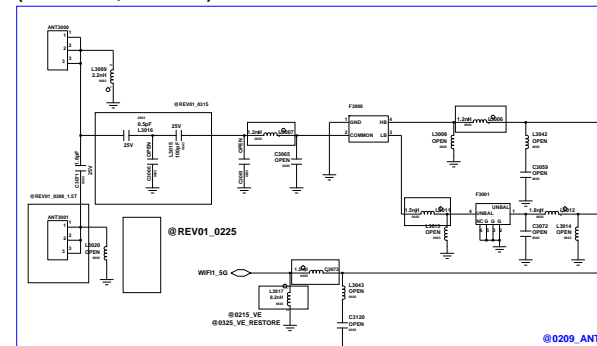


TRANSCEIVER(SDR868)



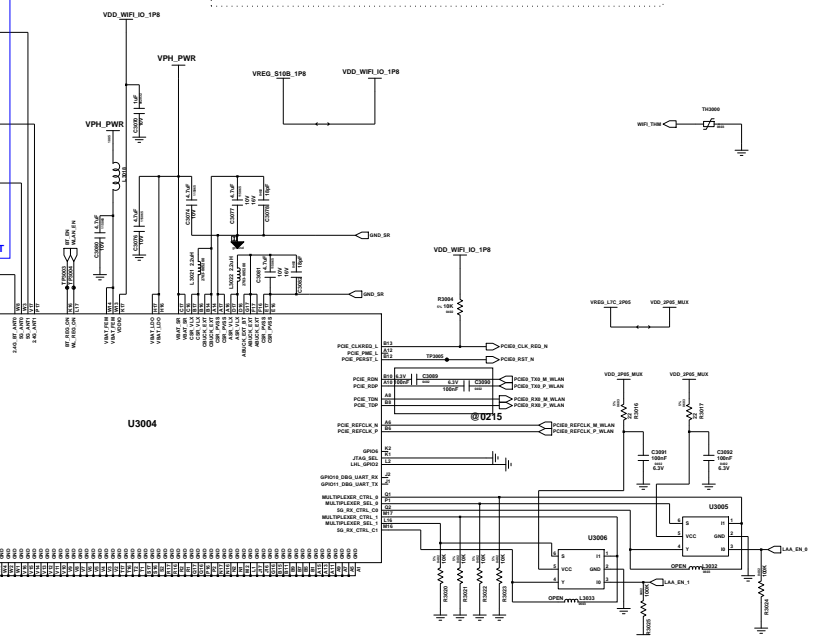
Connectivity

SUB4
(WiFi2 2.4G, 5G MIMO)

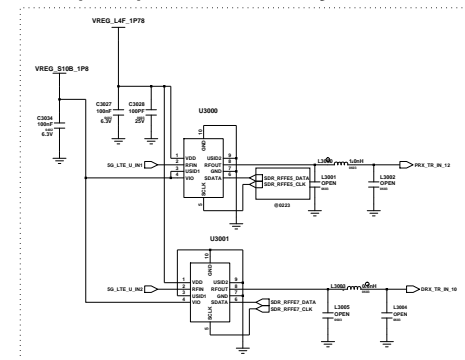


BT/WIFI
(BCM4375 module)

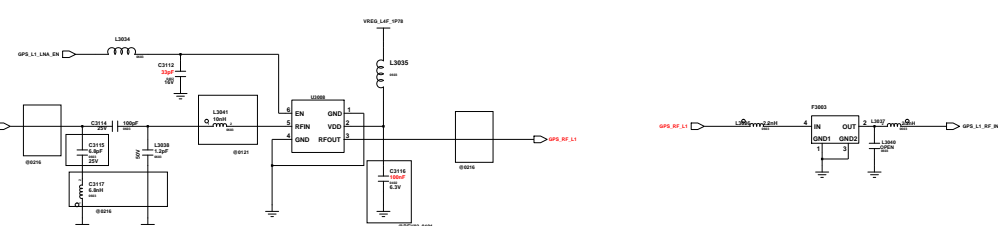
from G991U

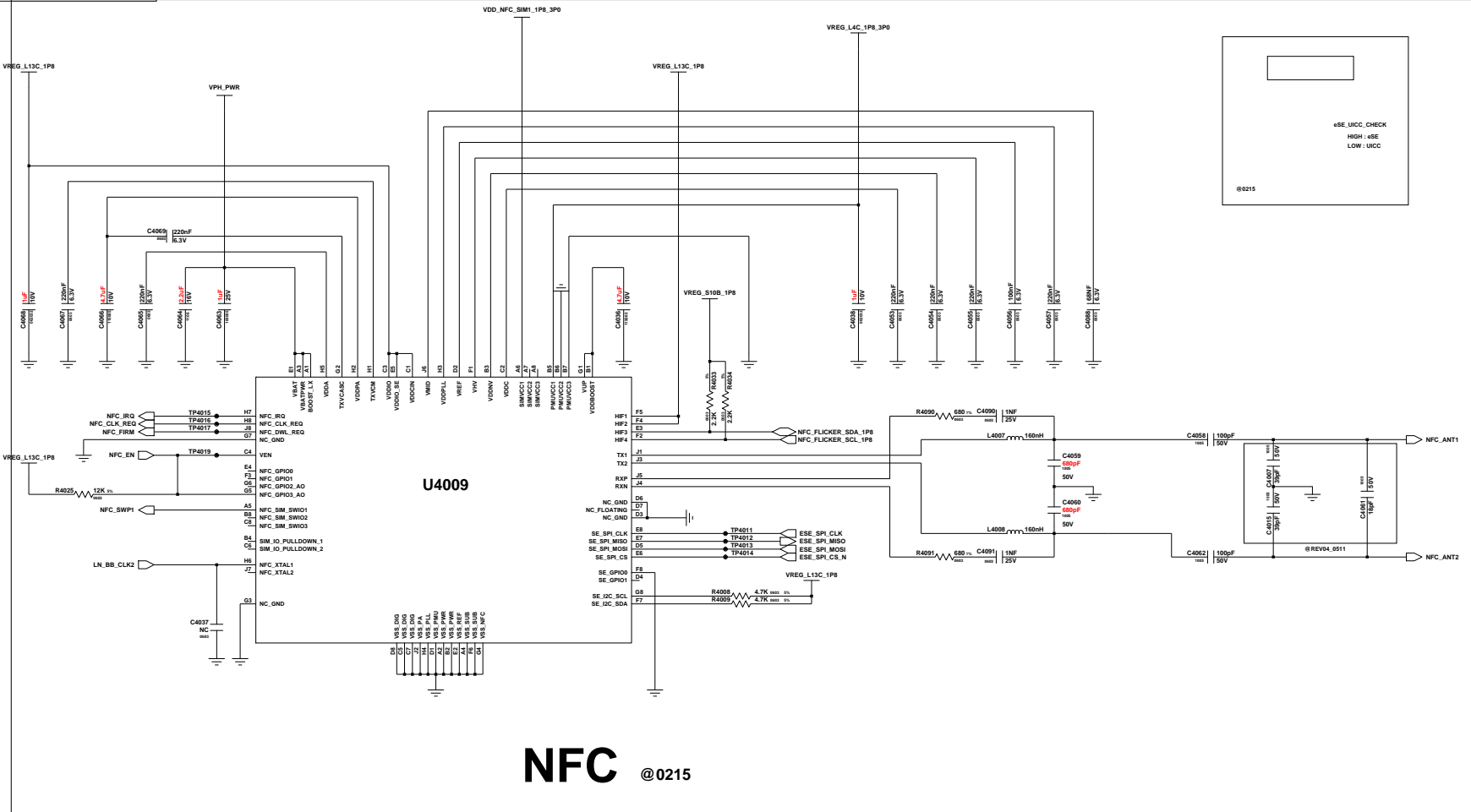


B46 (LAA) LNA : NA Only

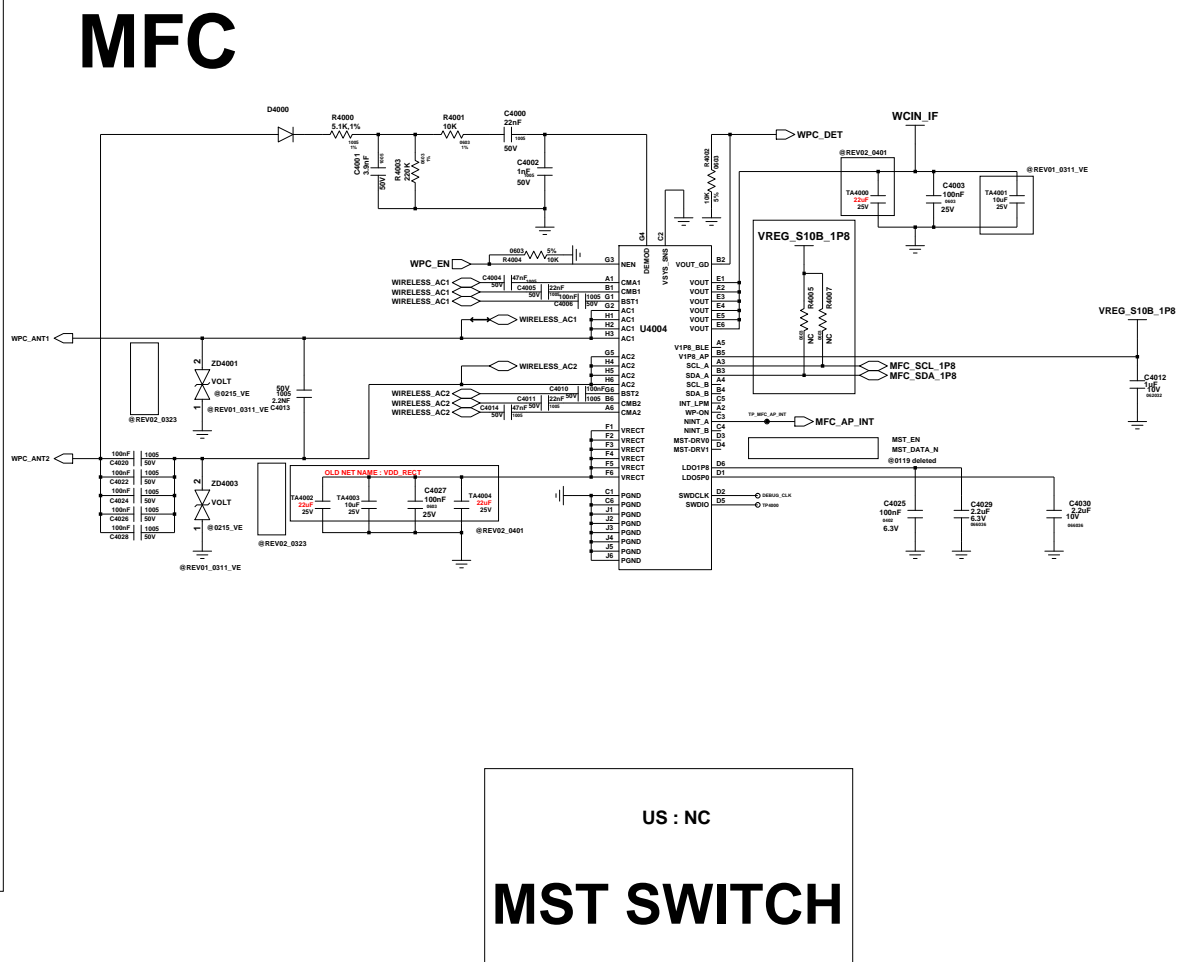


GPS_L1_SUB2



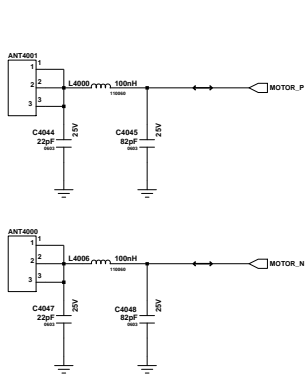


NFC @0215

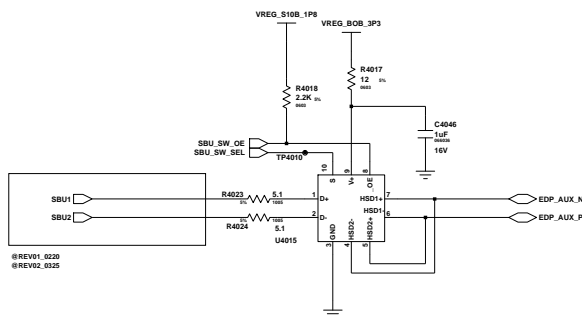


MST SWITCH

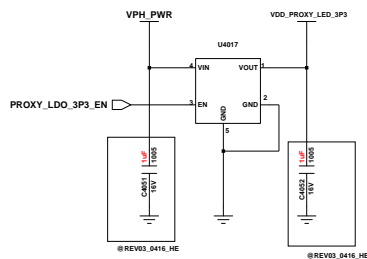
System



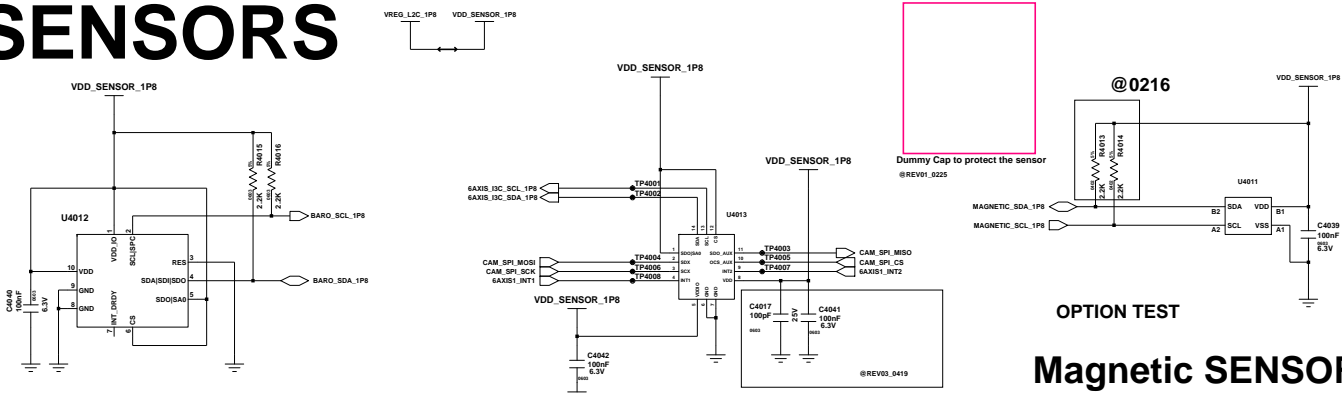
MOTOR conn.



AUX sw



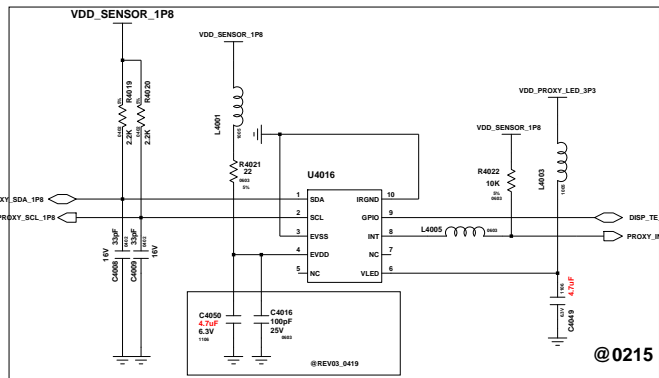
SENSORS



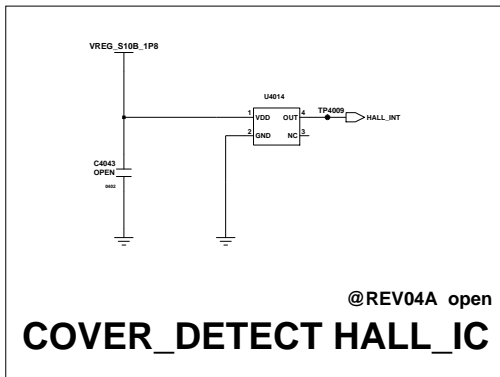
OPTION TEST

Magnetic SENSOR

Barometer SENSOR 6 Axis SENSOR (GYRO,ACCEL)



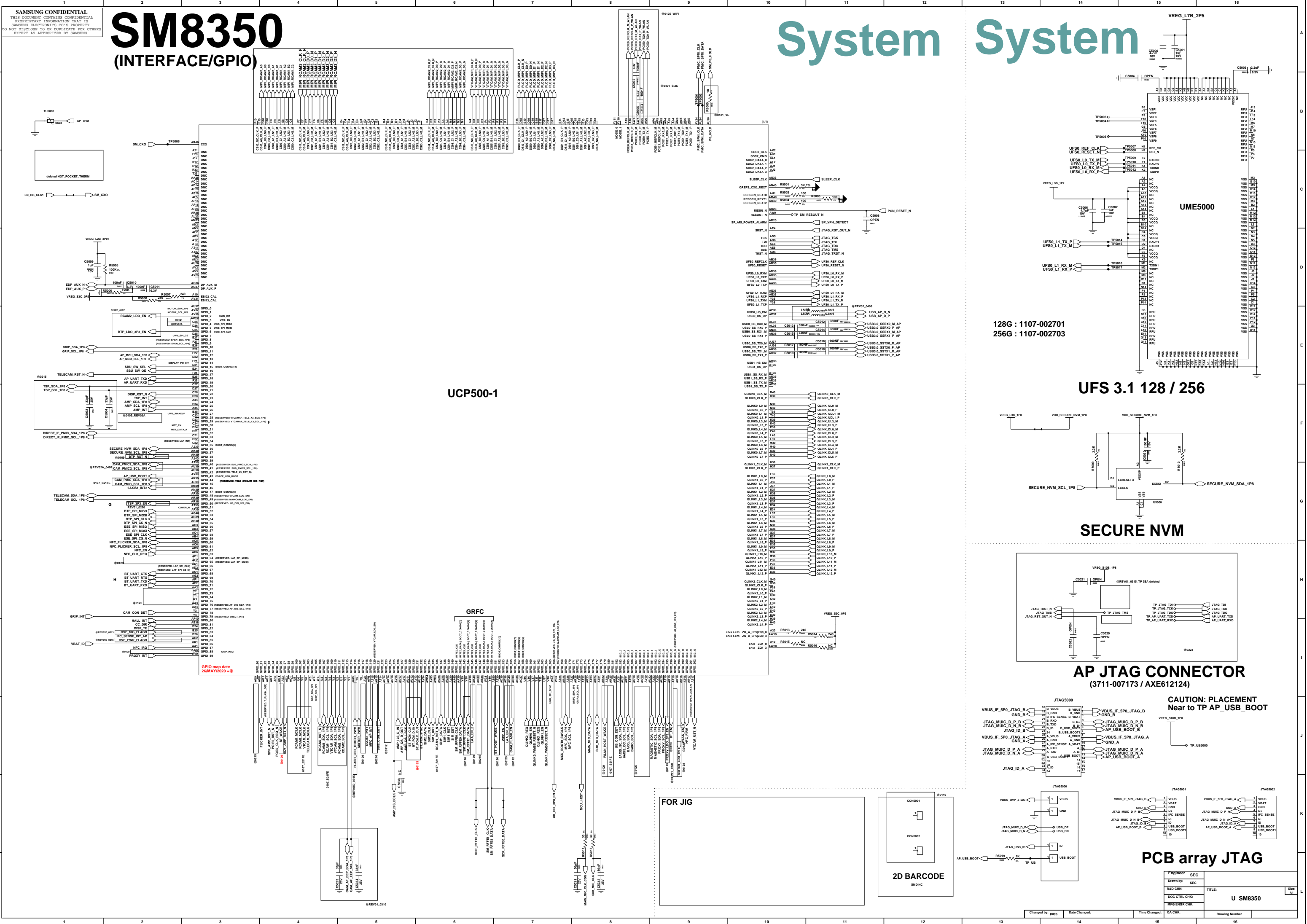
Proximeter/Ambient Light Sensor



COVER_DETECT HALL_IC

from R8

Engineer:	SEC	<div>TITLE:</div> <div>U_SM8350</div> <div>Size: A1</div> <div>16 1/2 A</div>		
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QA CHK:	REV:	Drawing Number:	Page:	

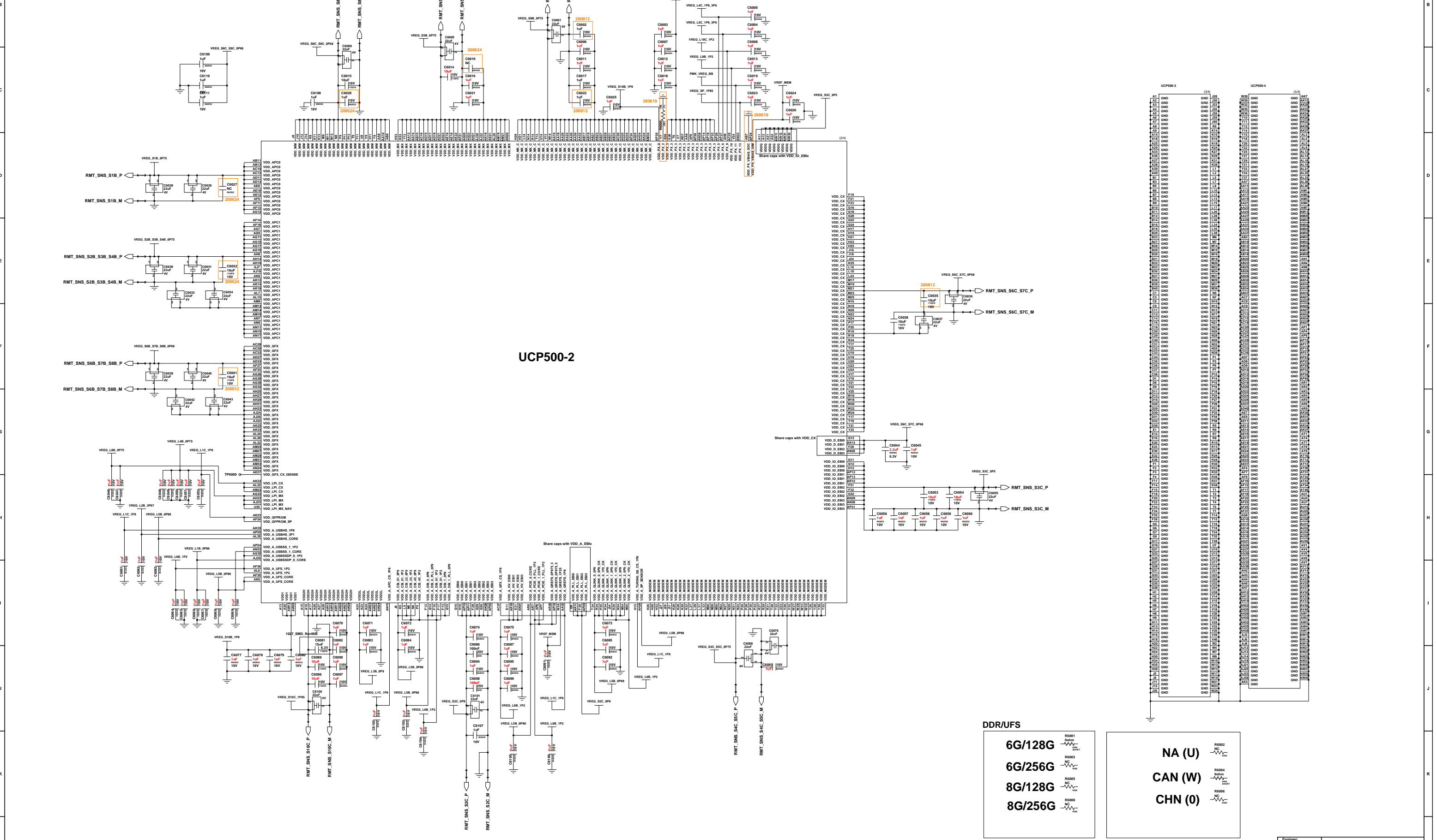


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SM8350

(POWER, GND)

Power



DDR/UFS

6G/128G	R6001
6G/256G	R6002
8G/128G	R6003
8G/256G	R6004

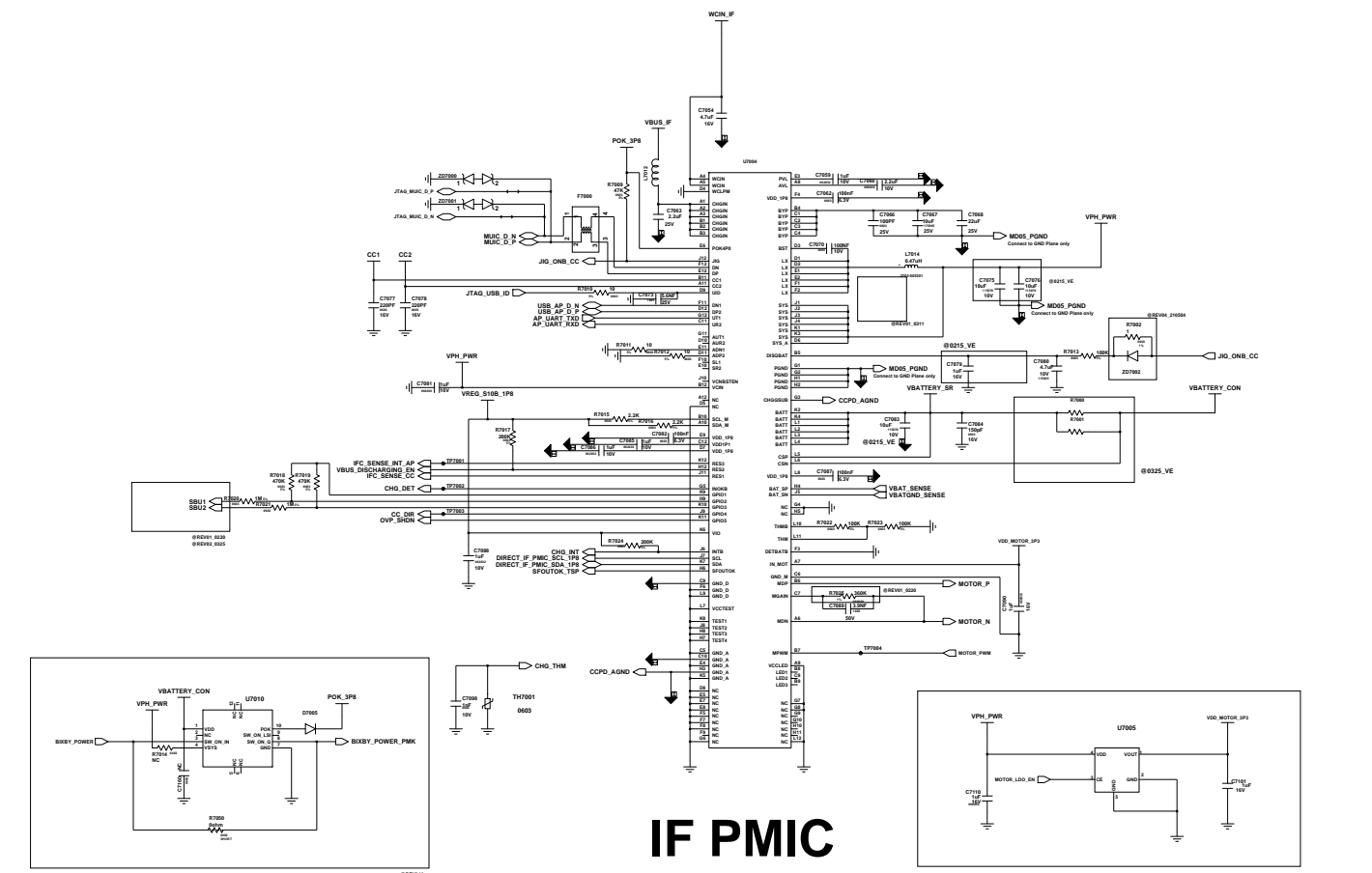
NA (U)	R6002
CAN (W)	R6004
CHN (O)	R6006

[illegible]

!! HW workaround for PM8350 ES1 leakage issue !!
This components can be removed with EA2.0 or later PMICs

[illegible][illegible]

Direct Charging

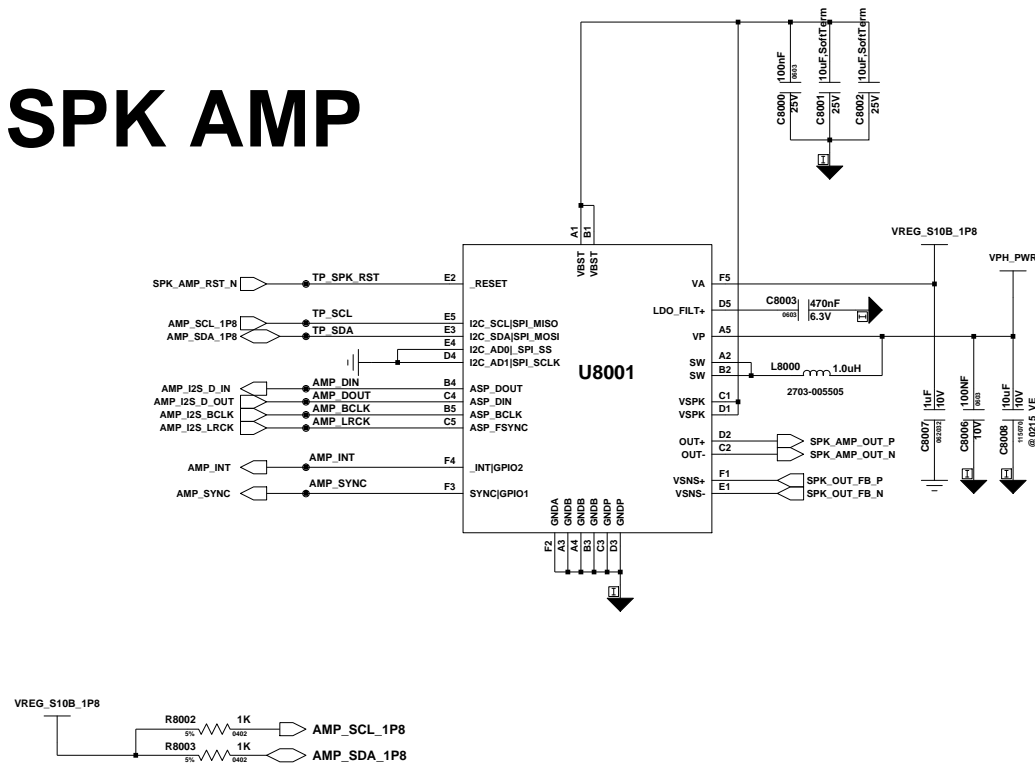


IF PMIC

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AUDIO PART

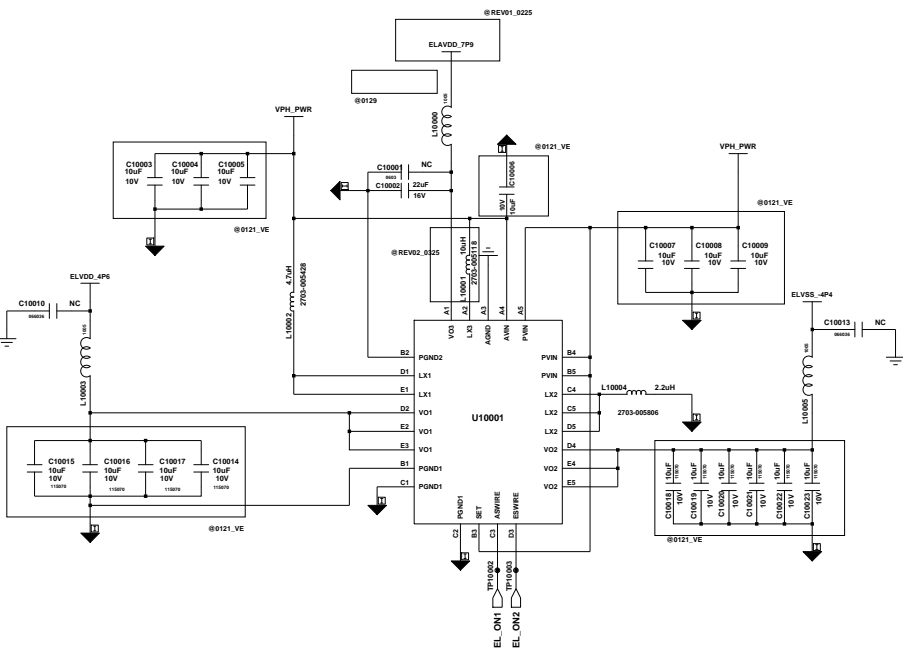
SPK AMP



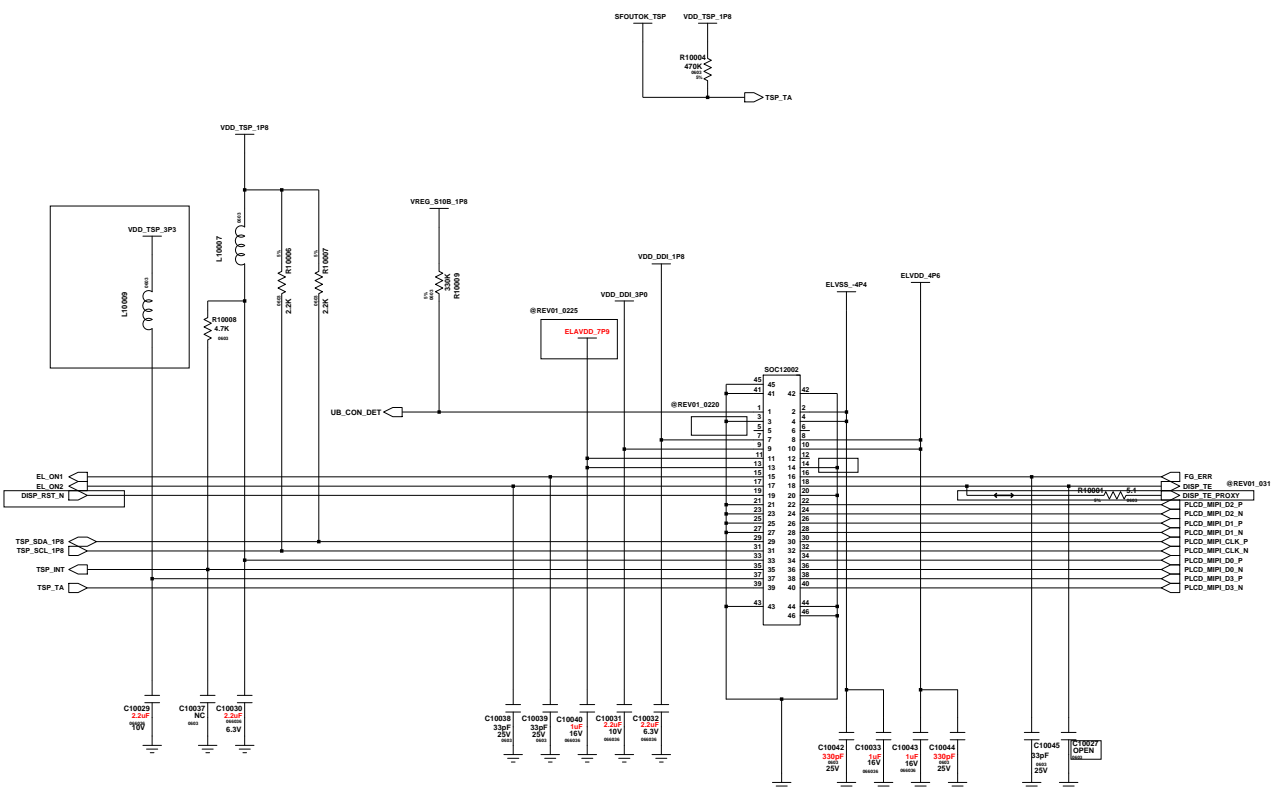
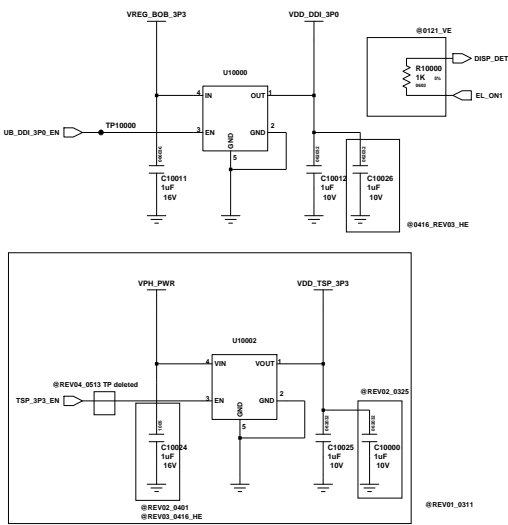
from R1



DISPLAY

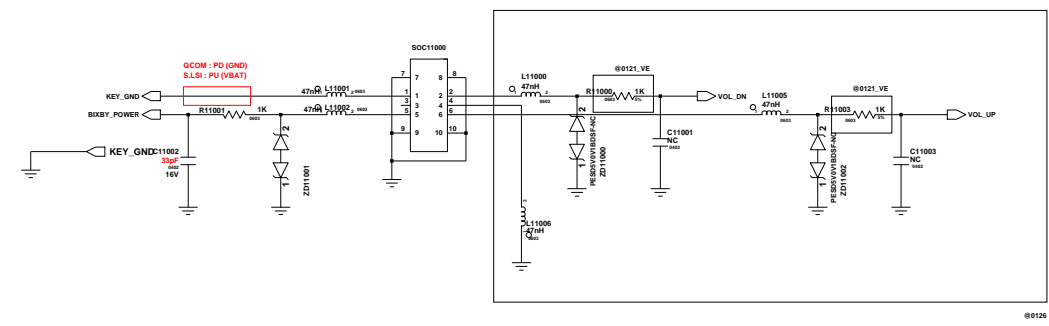
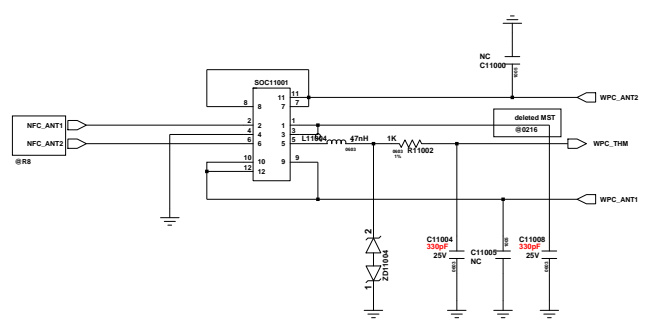


DISPLAY PMIC



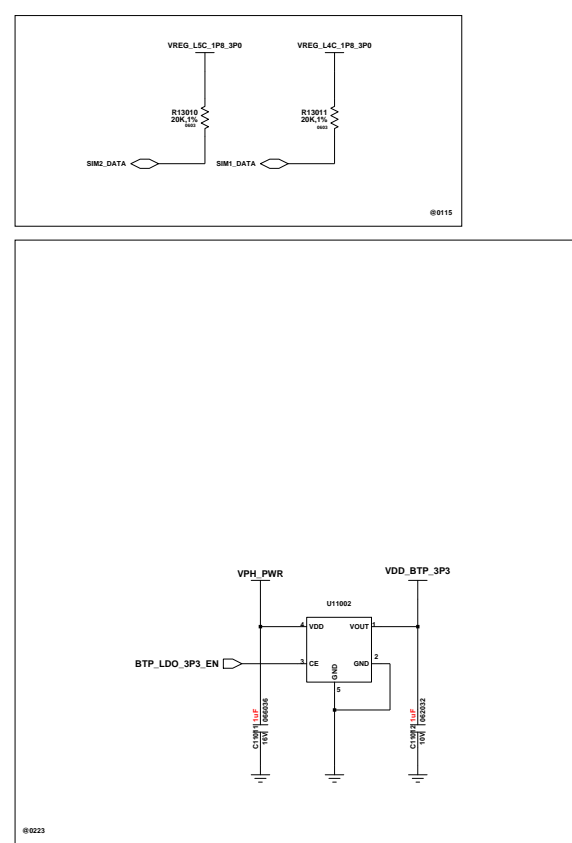
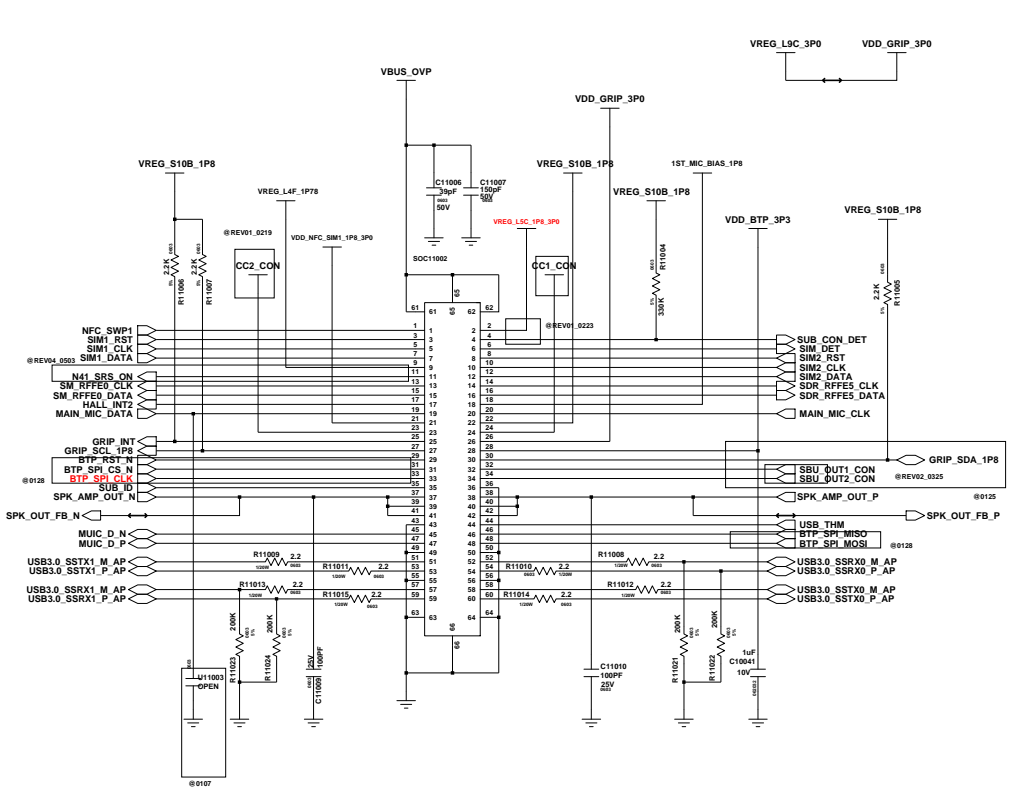
DISPLAY CONNECTOR

System



Power&Vol Key

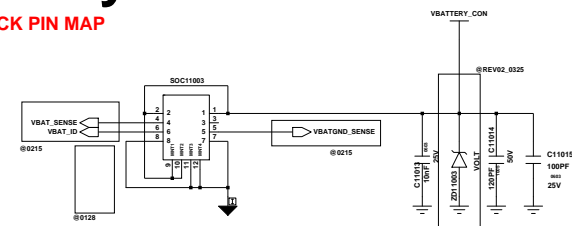
W/C CONNECTOR



IF SUB PBA Conn

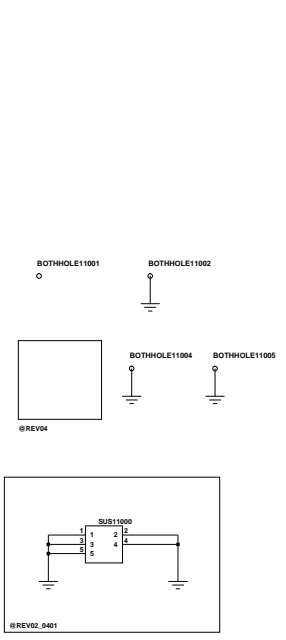
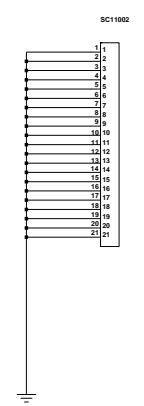
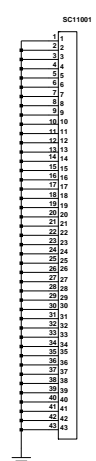
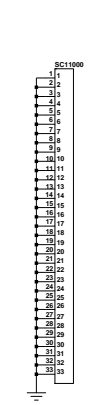
Battery Connector

CHECK PIN MAP



Design

BOSS HOLE & SHIELD CAN

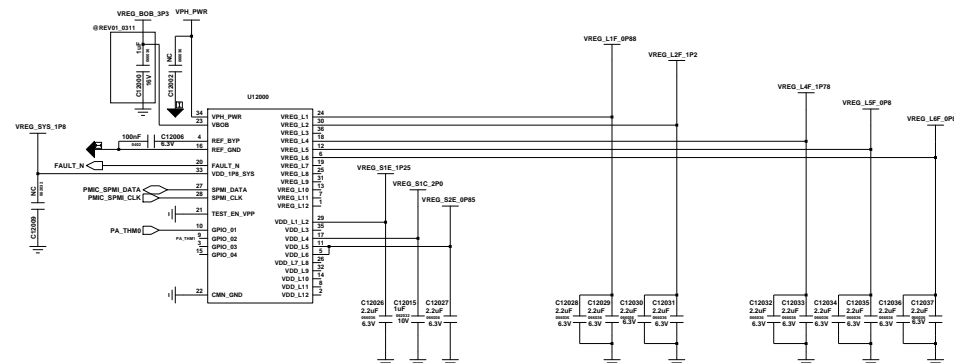
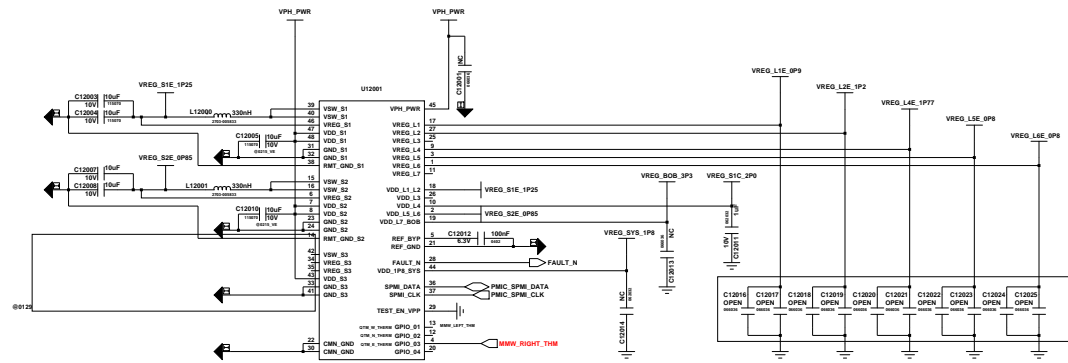


5V

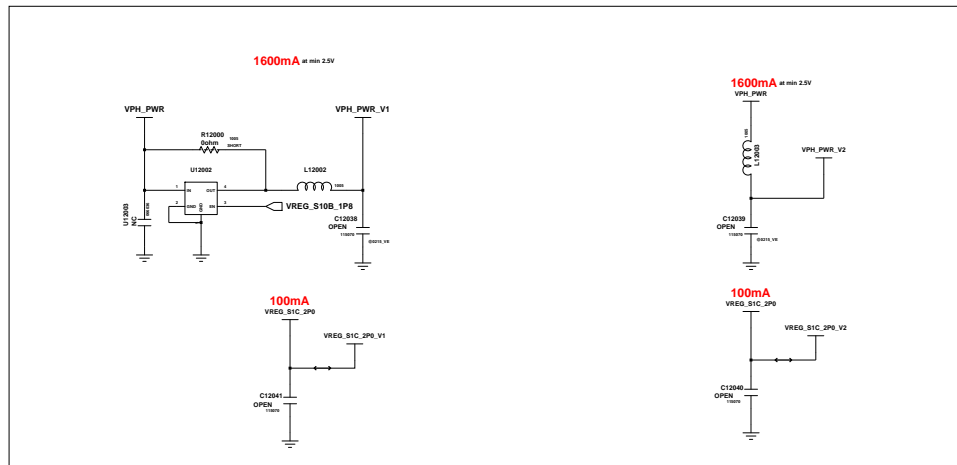
R11020
100K,1%
0603

SLAVE_PCB_TYPE

RF PMIC

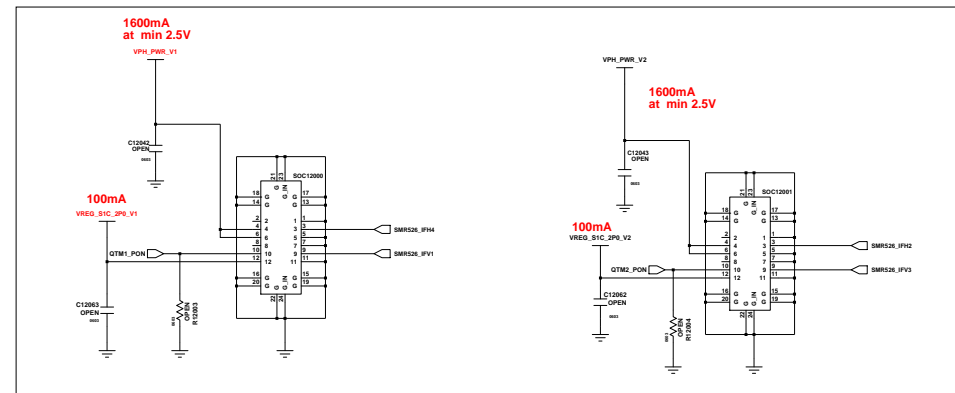
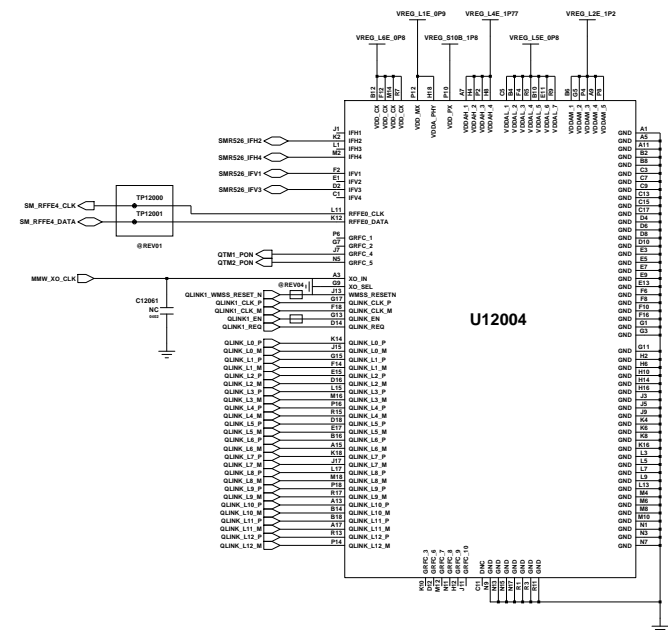
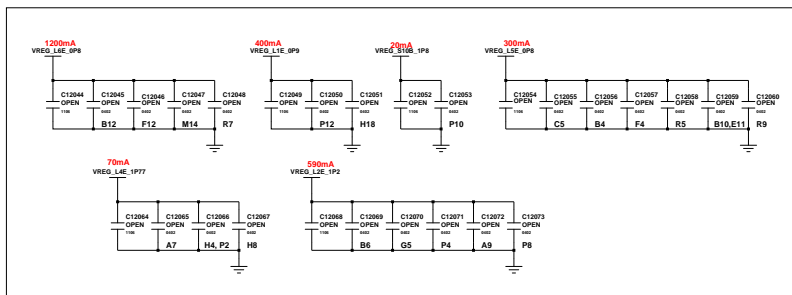


PMR735B



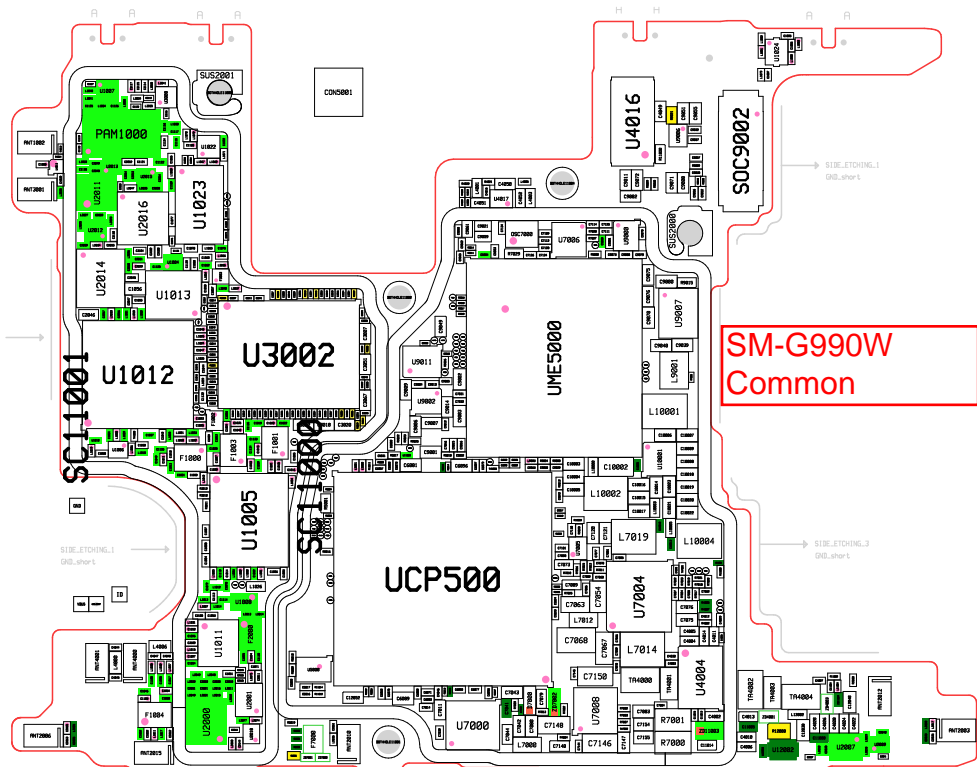
mmW_ANT_CONN (Left) mmW_ANT_CONN (Right)

5G IFIC



mmW_ANT_CONN (Left) mmW_ANT_CONN (Right)

Engineer:	SEC	SAMSUNG ELECTRONICS	
Drawn by:	SEC		
R&D CHK:		TITLE: U_SM8350	Size: E
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MFG ENGR CHK:			
QA CHK:		REV:	
Changed by:	puz6	Date Changed:	
Time Changed:		Drawing Number:	
		Page:	13



SM-G990W Common

