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	B															
	C															
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	E															
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	J															
	K															
	L															
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SM-G781U/W (R8_EUR)

SM-G781U/W
Common

2020. 08.06

- sheet01 : RF (1/2)
- sheet02 : RF (2/2)
- sheet03 : BT/WIFI, SIM
- sheet04 : OVP LS, NFC , SENSORS
- sheet05 : SM8250
- sheet06 : SM8250 POWER/GND, JTAG, UFS
- sheet07 : PM8250, PM8150C, PMK8002, IF PMIC
- sheet08 : AUDIO
- sheet09 : CAMERA
- sheet10 : DISPLAY
- sheet11 : SDX55M(5G MODEM)
- sheet12 : PMX55M(5G POWER)

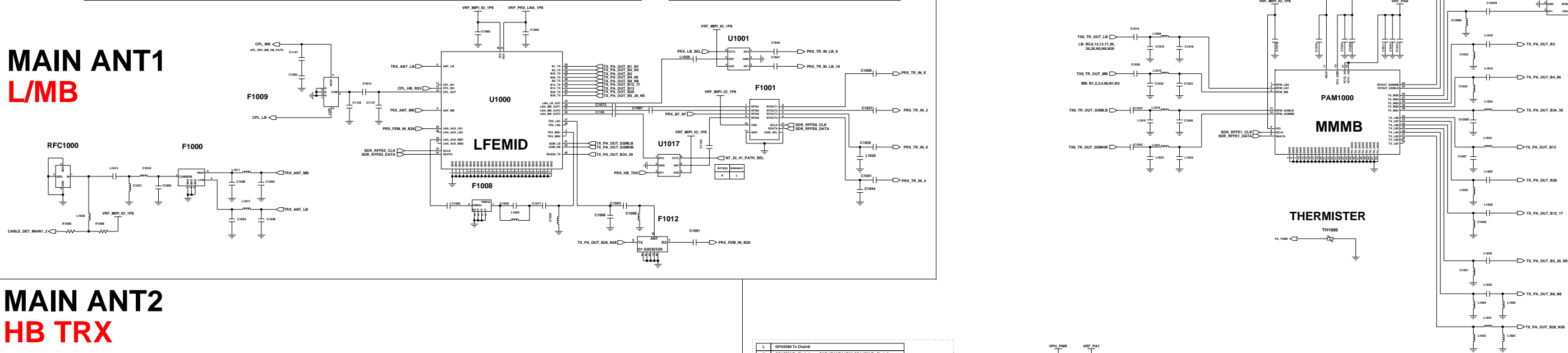
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Drawn by:			
RDG CHK:	TITLE:	Size	
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MFG ENGR CHK:			
QA CHK:	REV:	Drawing Number:	Page

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SAMSUNG ELECTRONICS CO., LTD.

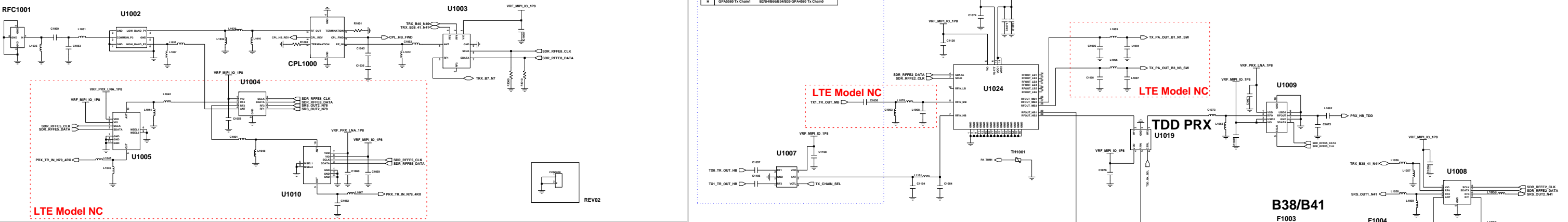
	EUR/ MEA/ SEA		KOR		CHN
2G	850/ 900/ 1800 / 1900		←		850/ 900/ 1800 / 1900
3G	W1/ 2/ 4/ 5/ 8		←		W1/ 2/ 5/ 8
FDD	B1/2/3/4/5/7/8/12/13/17/20/26/28/32/66		←		B1/3/4/5/7/8/12/17/20
TDD	B38/40/41		←		B34/38/39/40/41
NR	n1/3/5/7/8/28/40/41/78		←	n78	n1/3/41/78/79

MIMO(4x4)	n7/41/78/79
SRS	1T4R, n41/78/79
DL CA	3CA
UL CA	Not Support
HPUE	Not Support

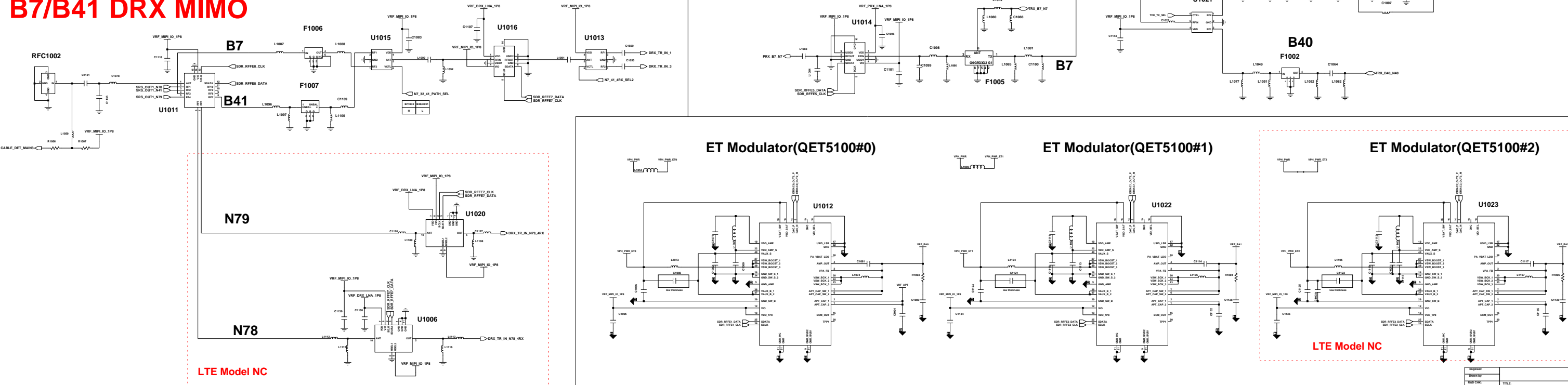
MAIN ANT1 L/MB



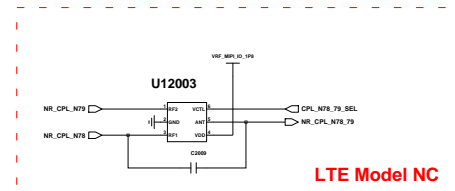
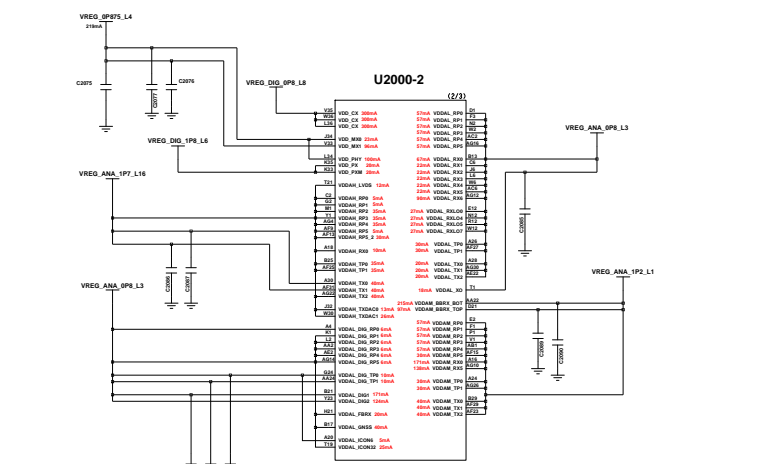
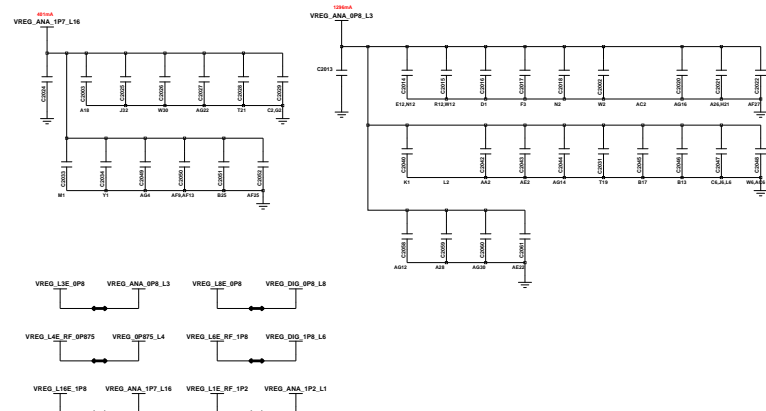
MAIN ANT2 HB TRX



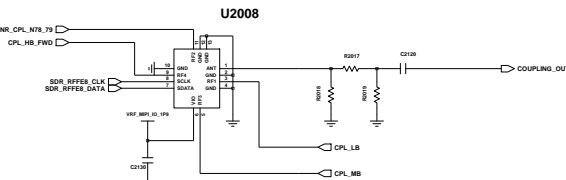
MAIN ANT3 B7/B41 DRX MIMO



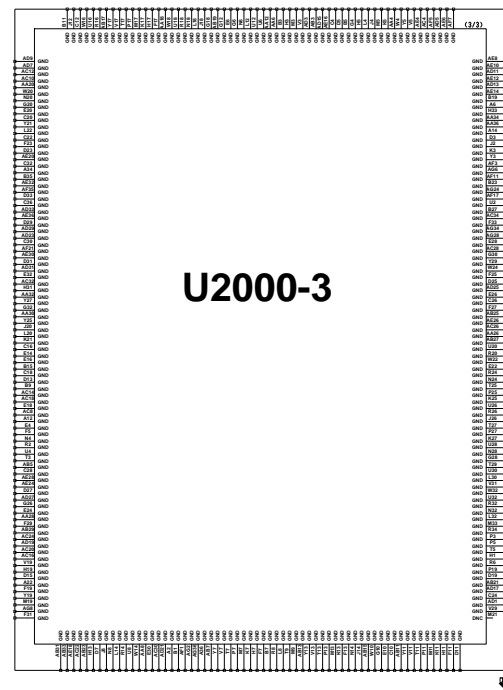
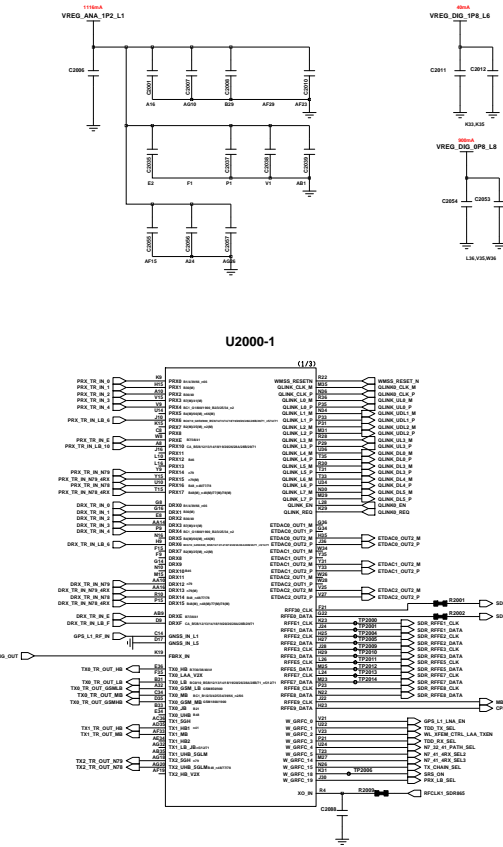
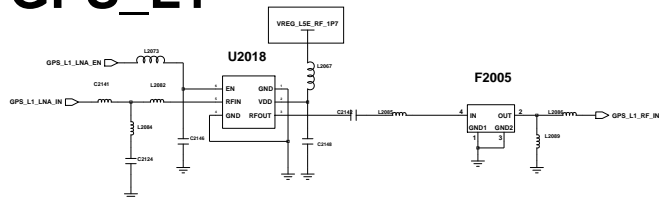
TRANSCEIVER(SDR865)



FBRX

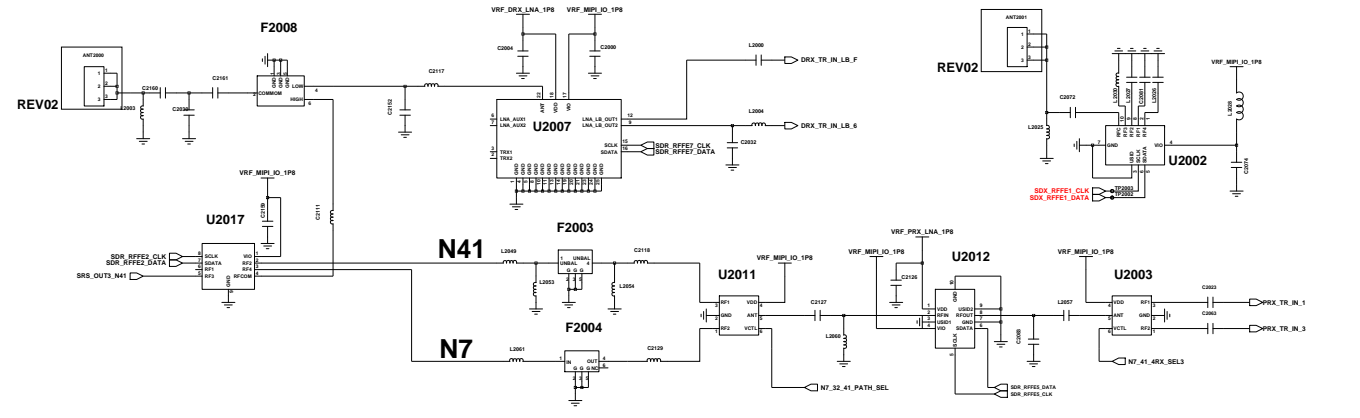


GPS_L1

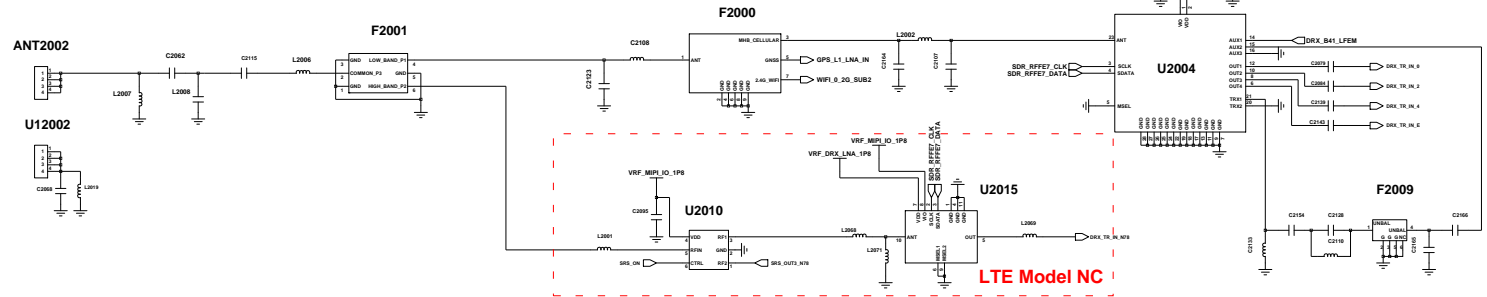


U2000-3

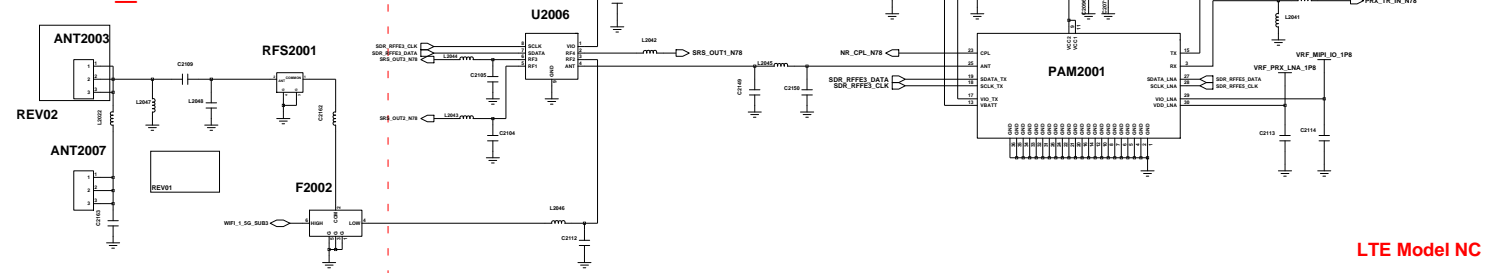
SUB ANT1 DRX_LB & PRX_B7_B41_MIMO



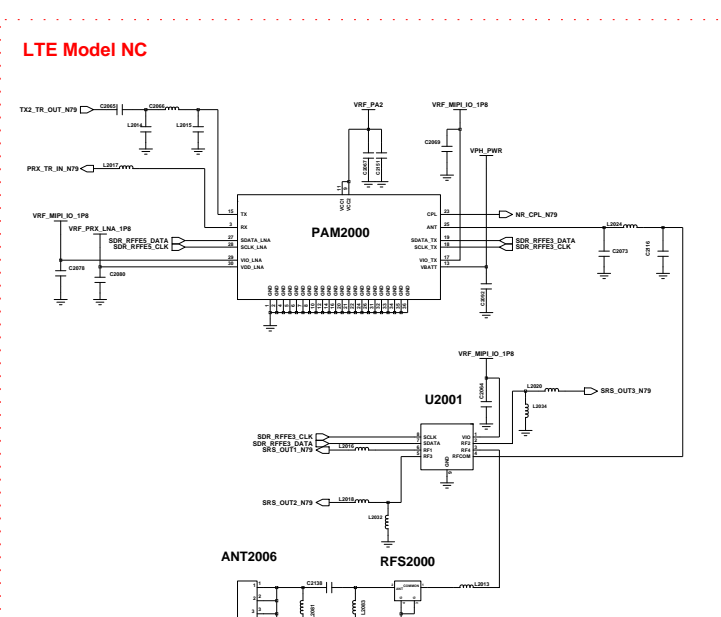
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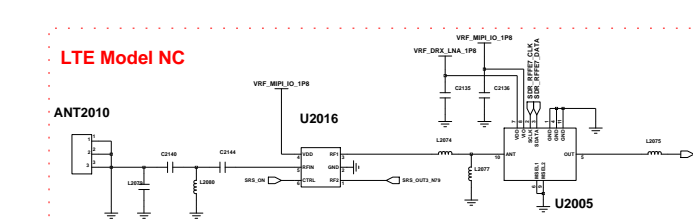
SUB ANT3 WIFI1_5G



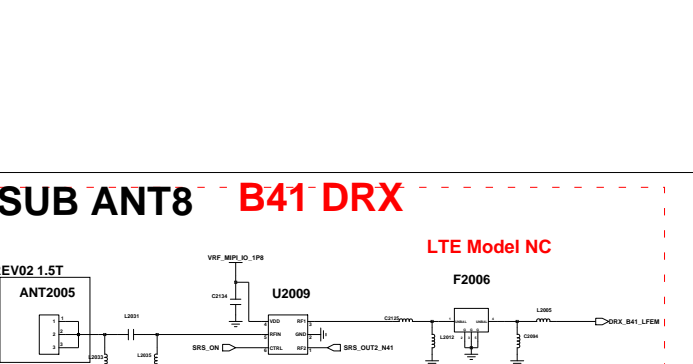
SUB ANT5 N79 TRX



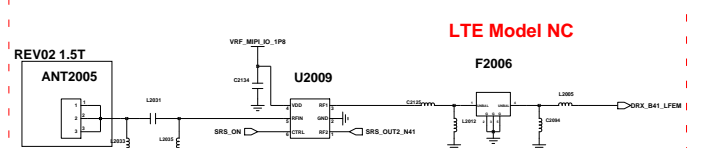
SUB ANT6 N79 DRX



SUB ANT7



SUB ANT8 B41 DRX

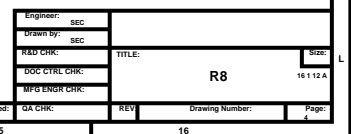


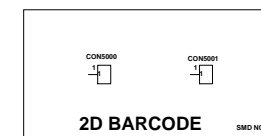
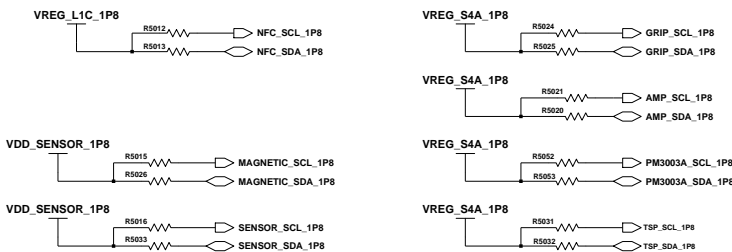
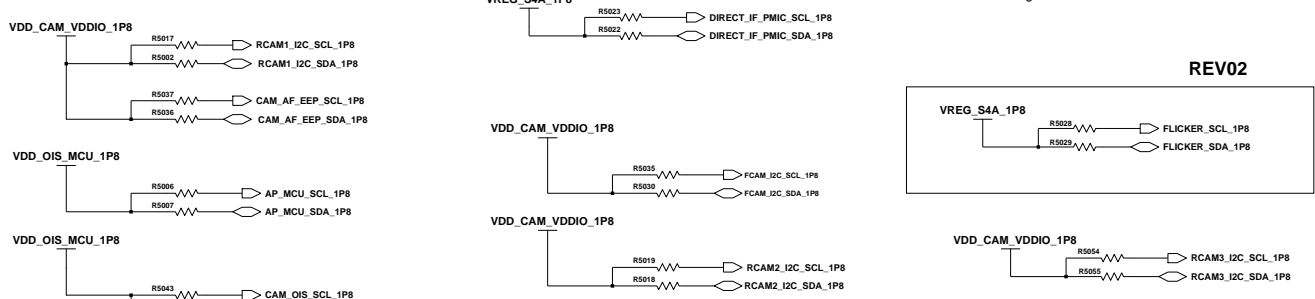
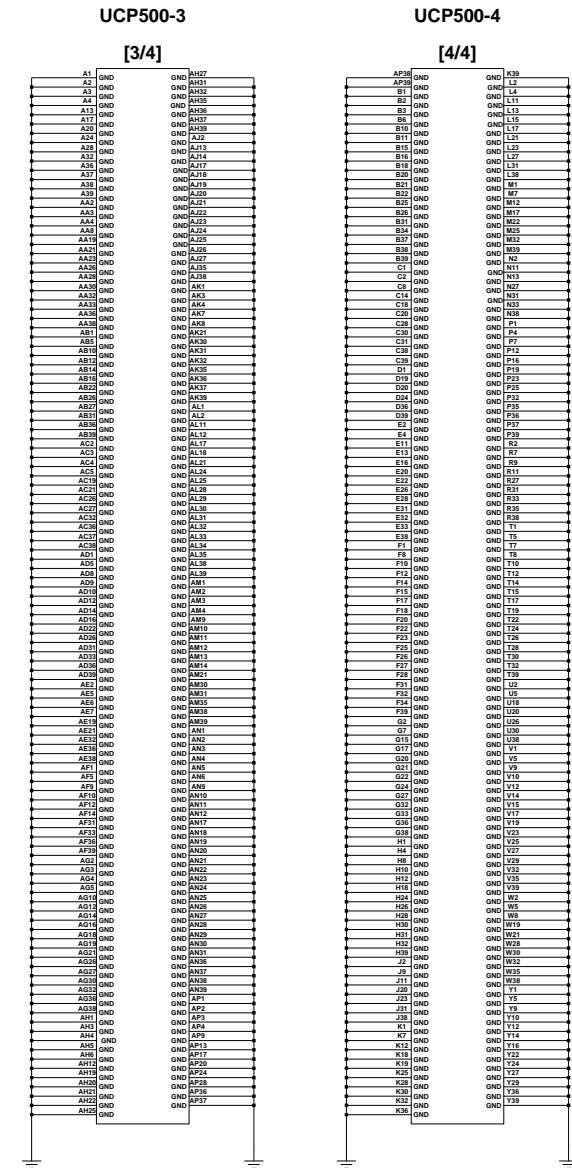





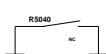

SENSORS




NFC





REGION		MEMORY		TOP
 R5103	G781B (EUR, MEA, SEA)		6/128	 R5044
 R5104	G781N KOR		8/128	 R5040
 R5108	G7810 CHN			

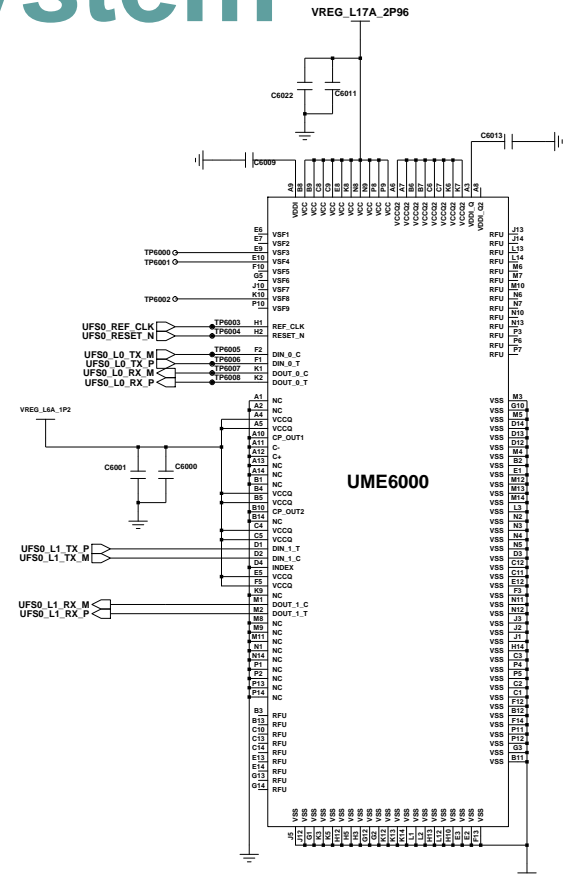
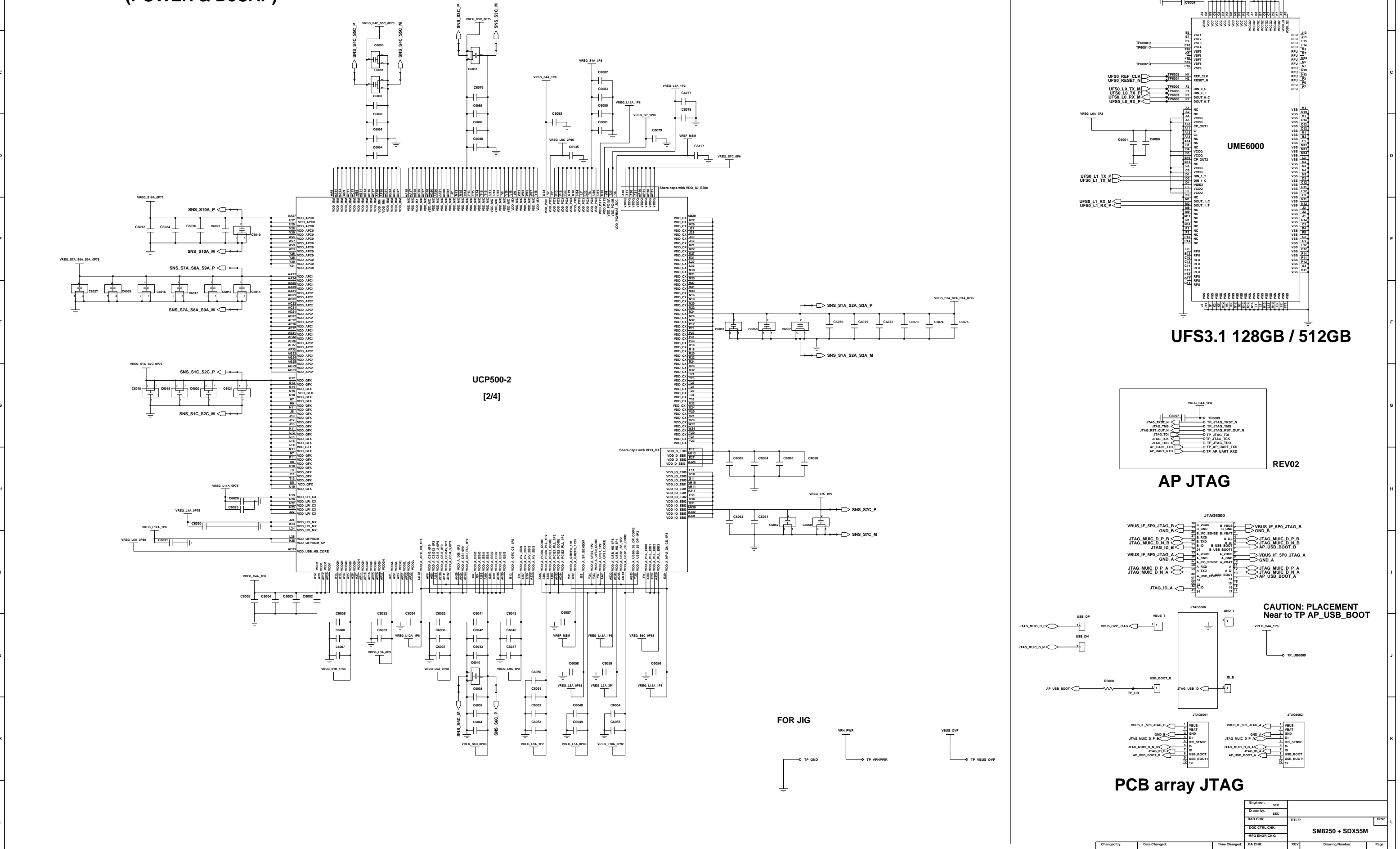
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MFG ENGR CHK:				
QA CHK:	Drawing Number			

I2C PULL UP

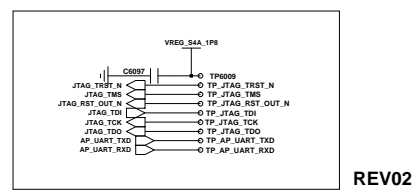
SM8250

(POWER & DeCAP)

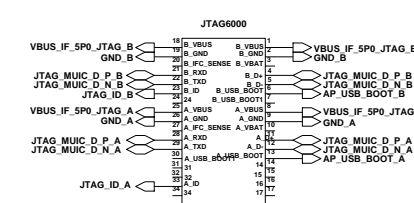
Power System



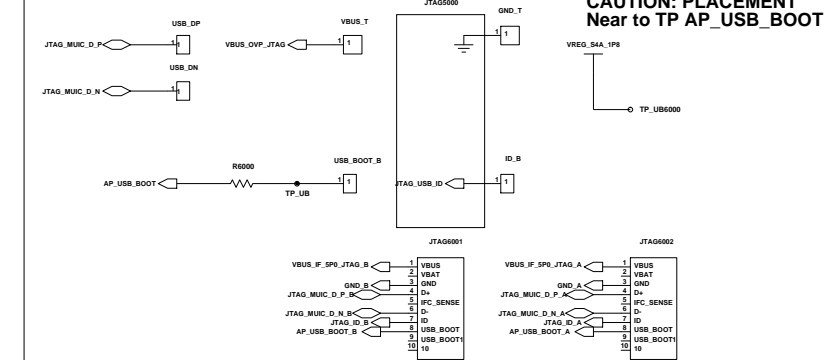
UFS3.1 128GB / 512GB



AP JTAG



CAUTION: PLACEMENT
Near to TP_AP_USB_BOOT

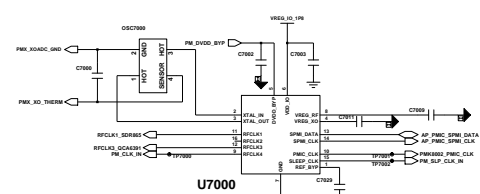
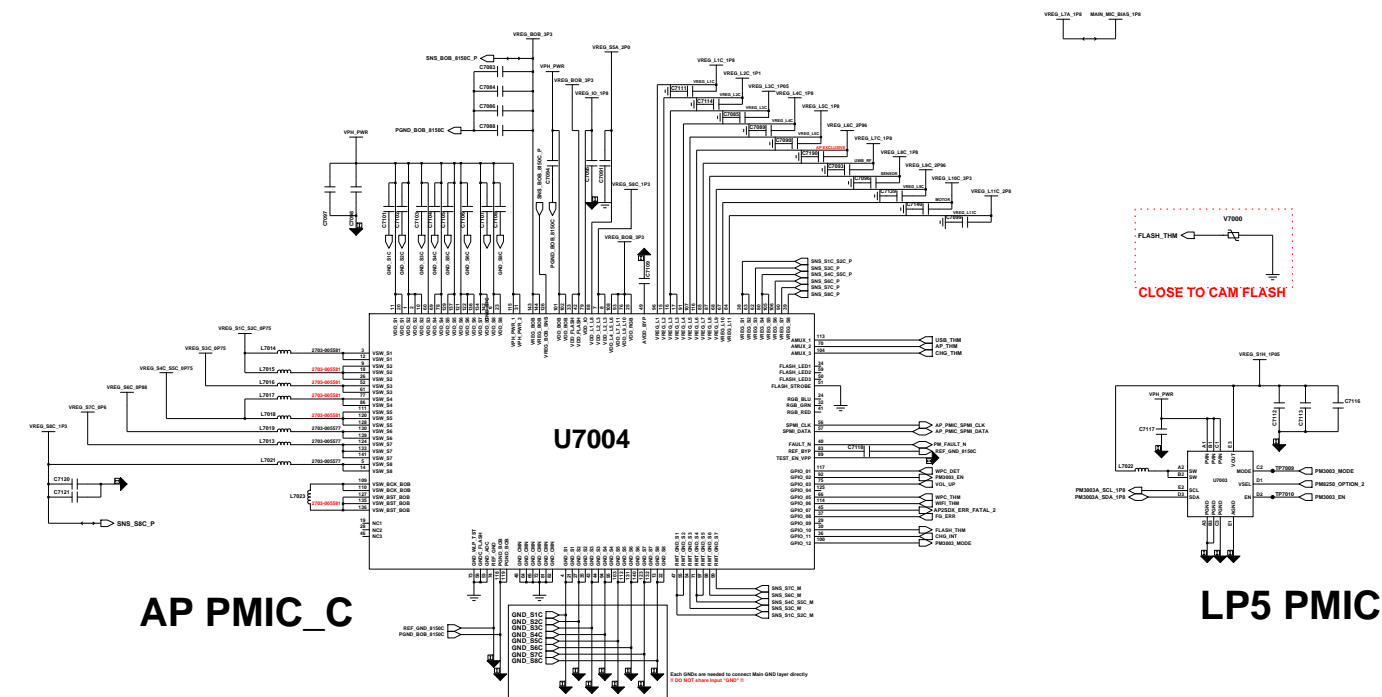
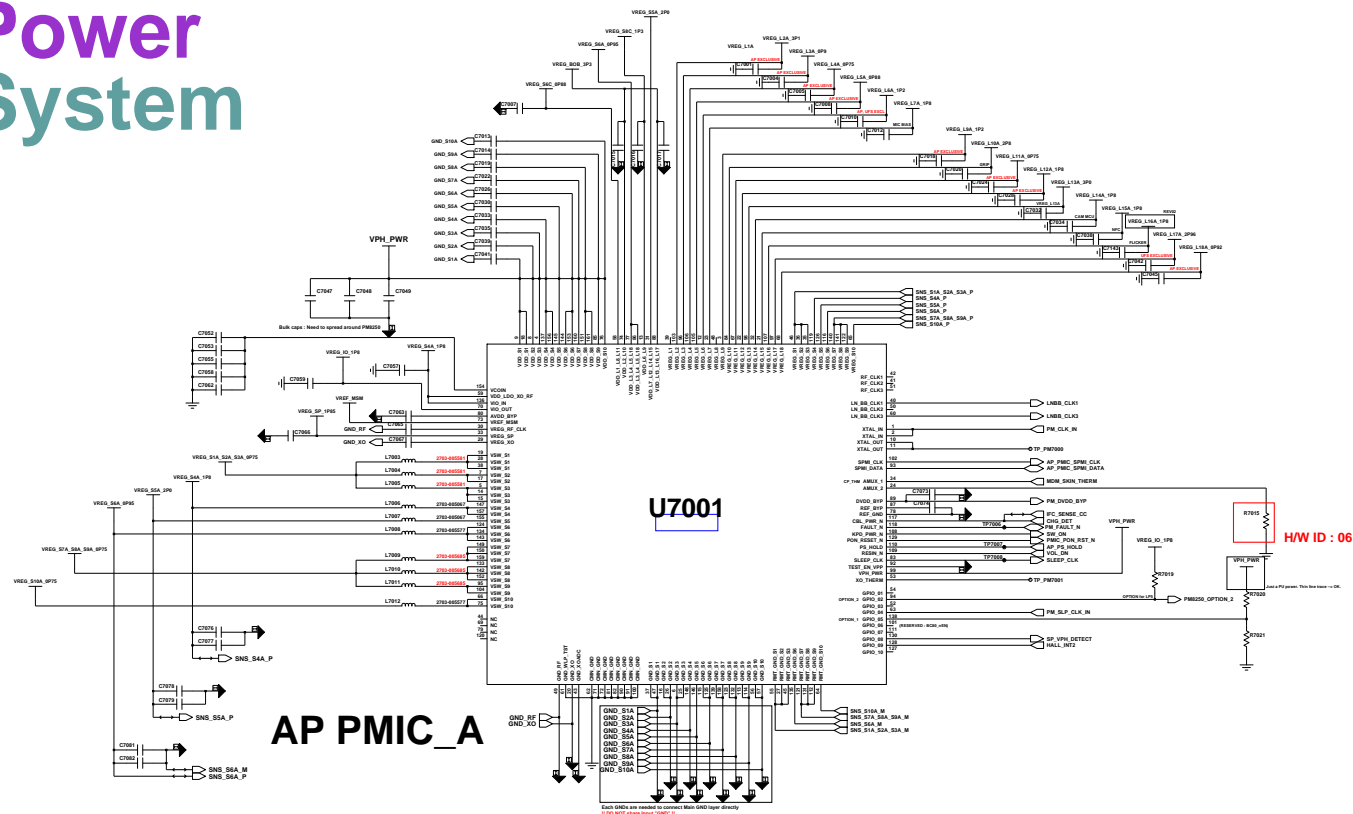


PCB array JTAG

FOR JIG

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Drawn by:	SEC	TITLE:	SM8250 + SDX55M
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MFG ENGR CHK:			
Changed by:	Date Changed:	Time Changed:	QA CHK:
			REV:
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			Page:

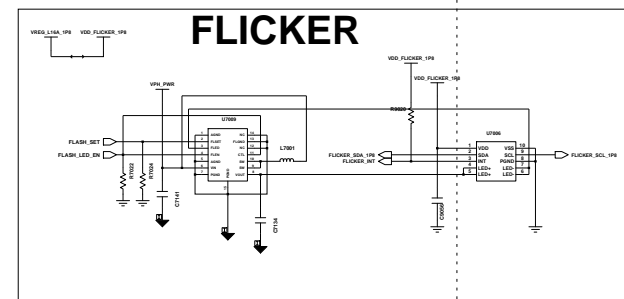
Power System



Clock Generator

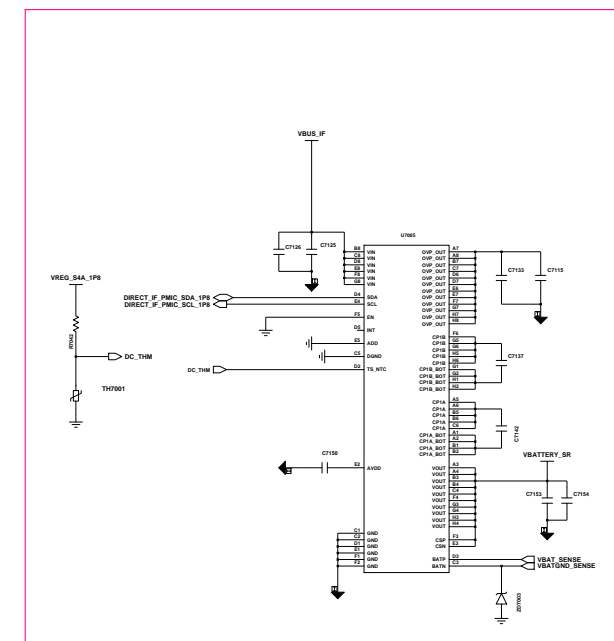
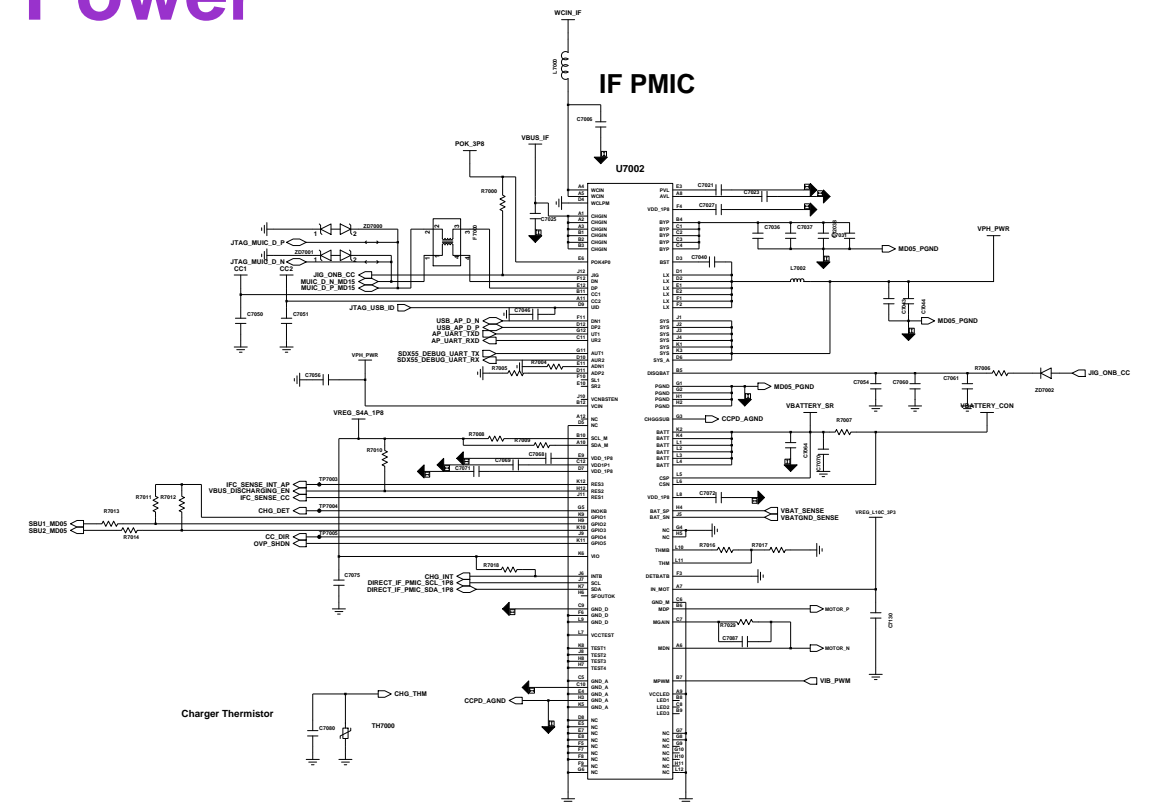
H/W ID table(PM8250 AMUX_2)

HW ID	BOARD REVISION	Value	Mech
00	R8 BRINGUP	6.04K	
01	R8 DV1	9.1K	
02	R8 DV2	12.4K	
03	SM-G781B_PV01	18K	
04	SM-G781B_PV01_ENDC	22K	
05	SM-G781B_PV01_ENDC_CHINA	30K	
06	SM-G781B_PV02	39K	
07		47K	
08		56K	
09		68K	
10		82K	
11		100K	
12		120K	
13		150K	
14		180K	
15		200K	
16		240K	
17		280K	
18		330K	
19		430K	
20		560K	
21		750K	
22		1000K	
23		1500K	
24		3000K	



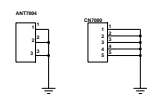
REV02

Power

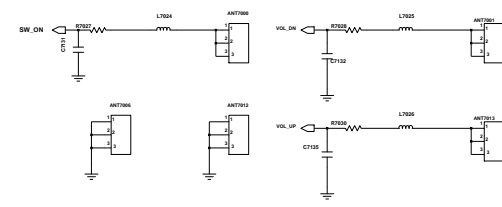
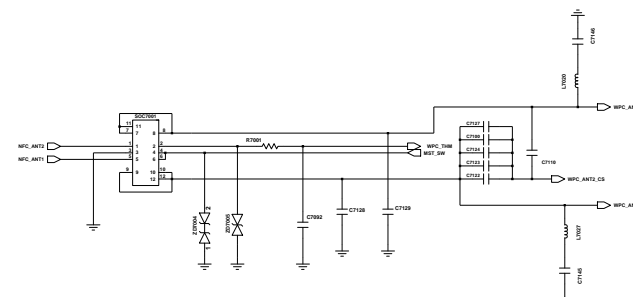


Direct Charging

SystemRadiation

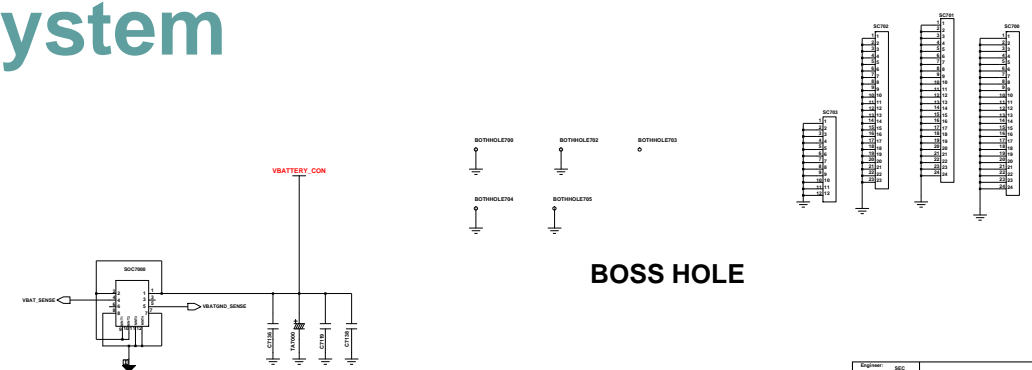


CCP

**VOL_KEY**

NFC+MST+W/C CON

System



BAT CON

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DOC. CTRL. CODE:			Size:
MFG. SOURCE CODE:			
QA CODE:	REV:	Drawing Number:	

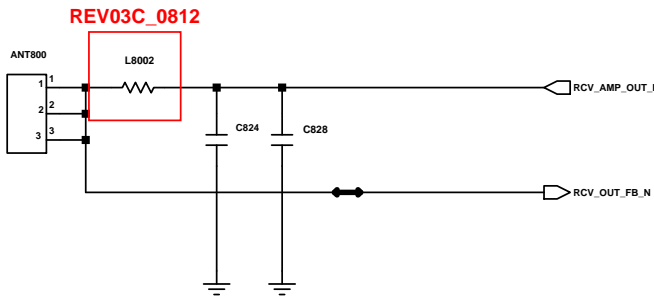
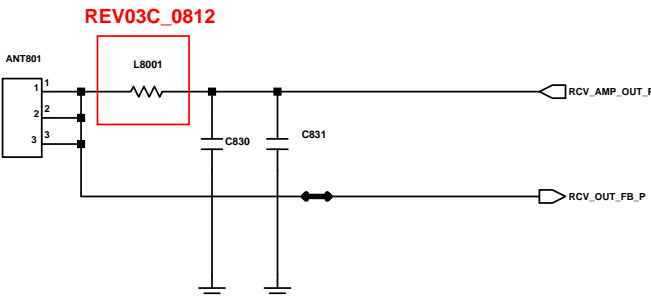
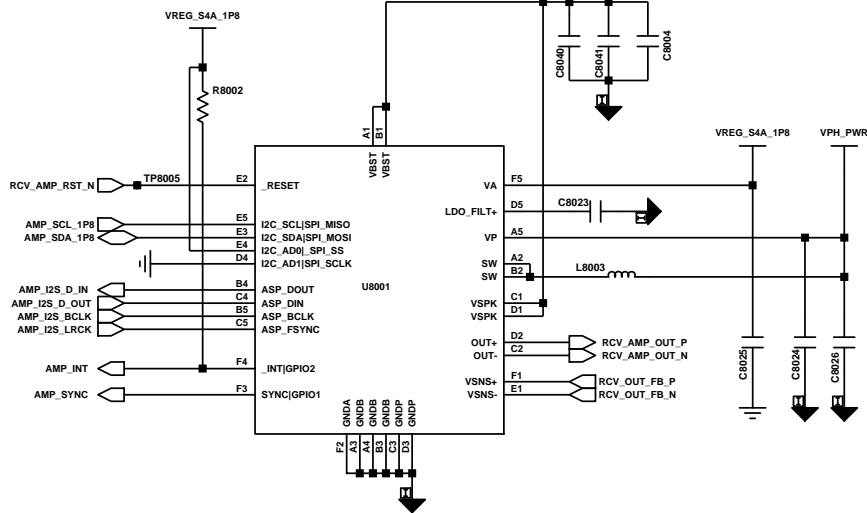
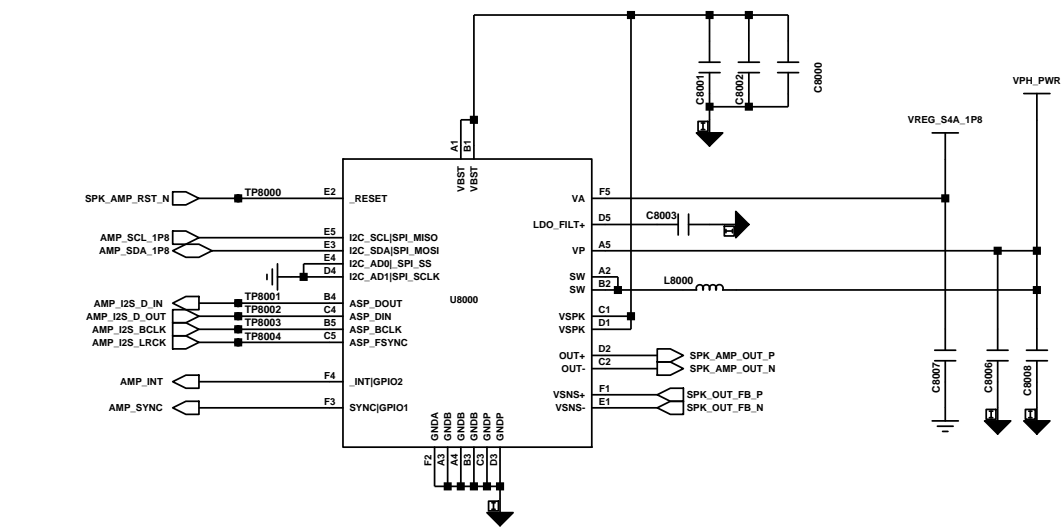
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AUDIO PART

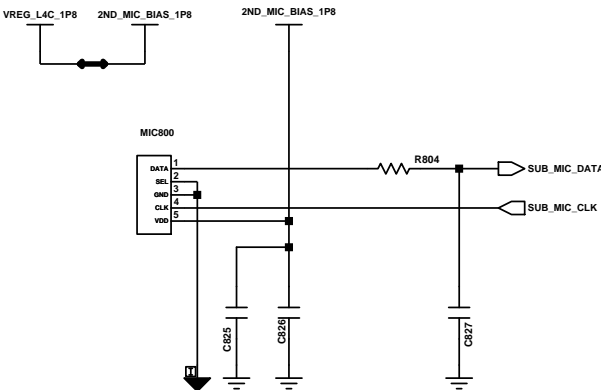
AUDIO

SPK AMP

RCV AMP



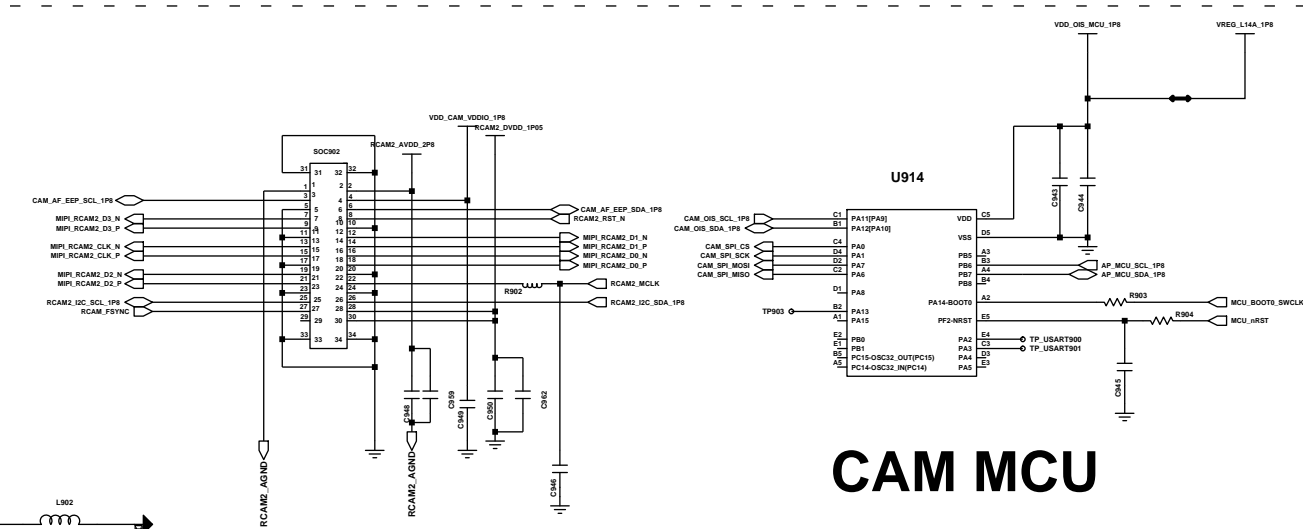
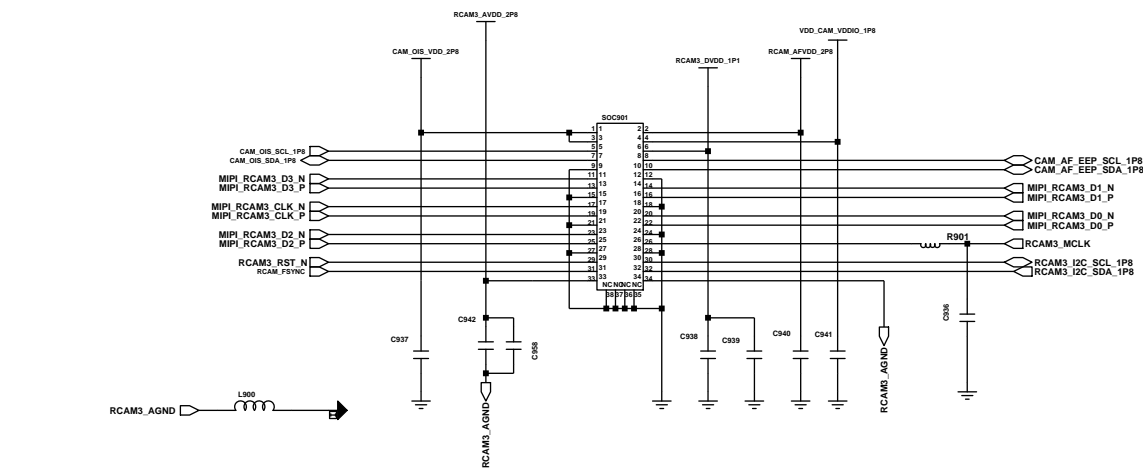
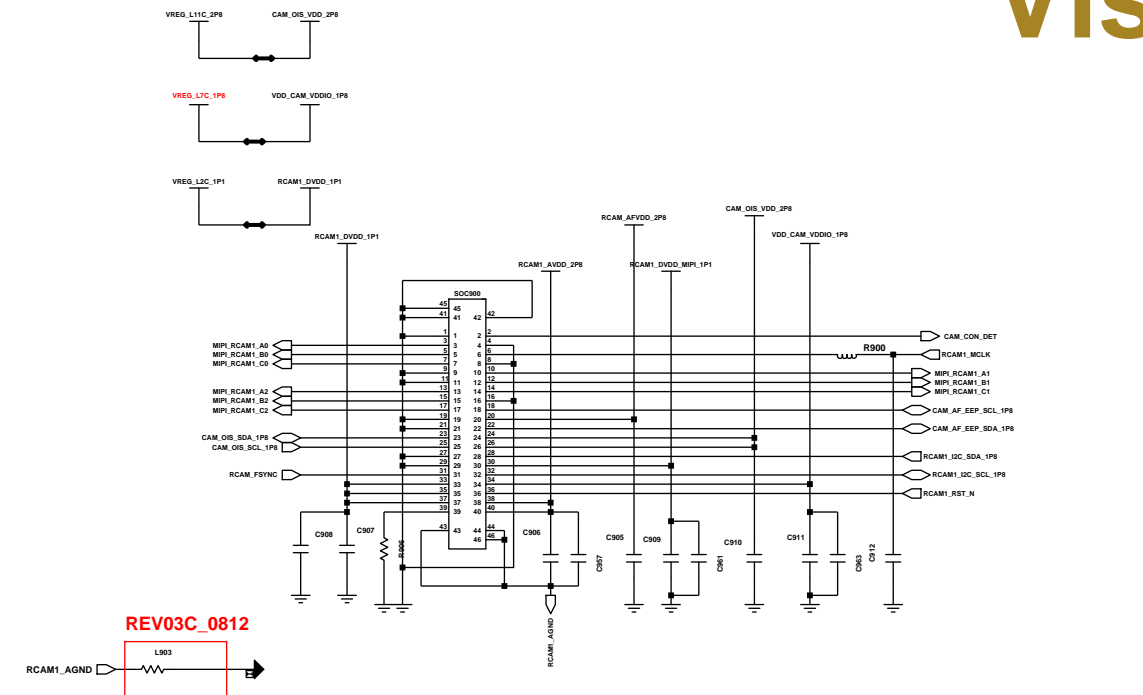
RCV CONTACT



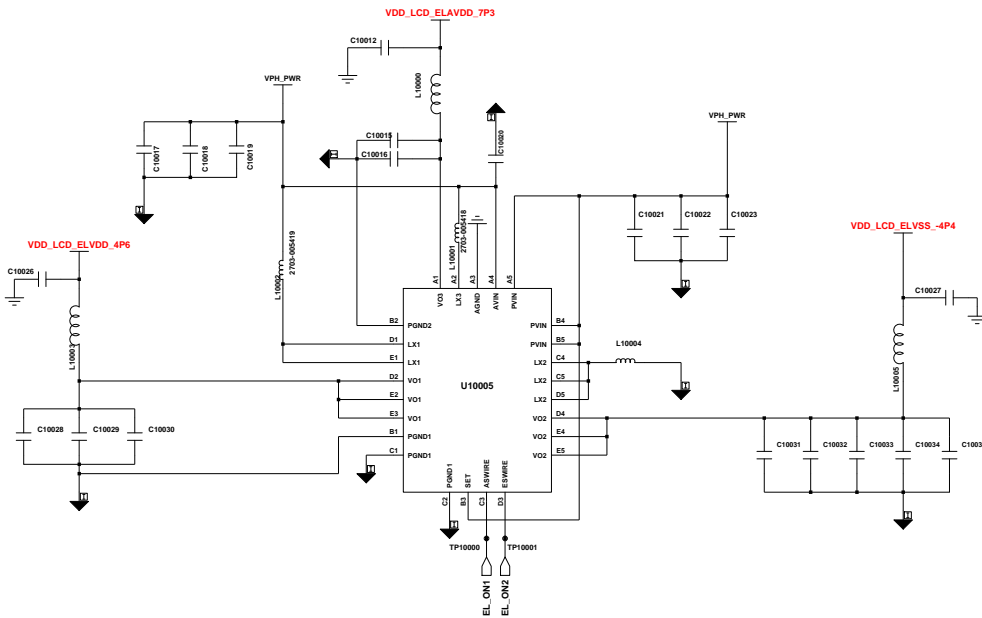
2nd MIC

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Drawn by:	SEC		
R&D CHK:		TITLE:	Size:
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MFG ENGR CHK:			

12M SUPER WIDE CAM



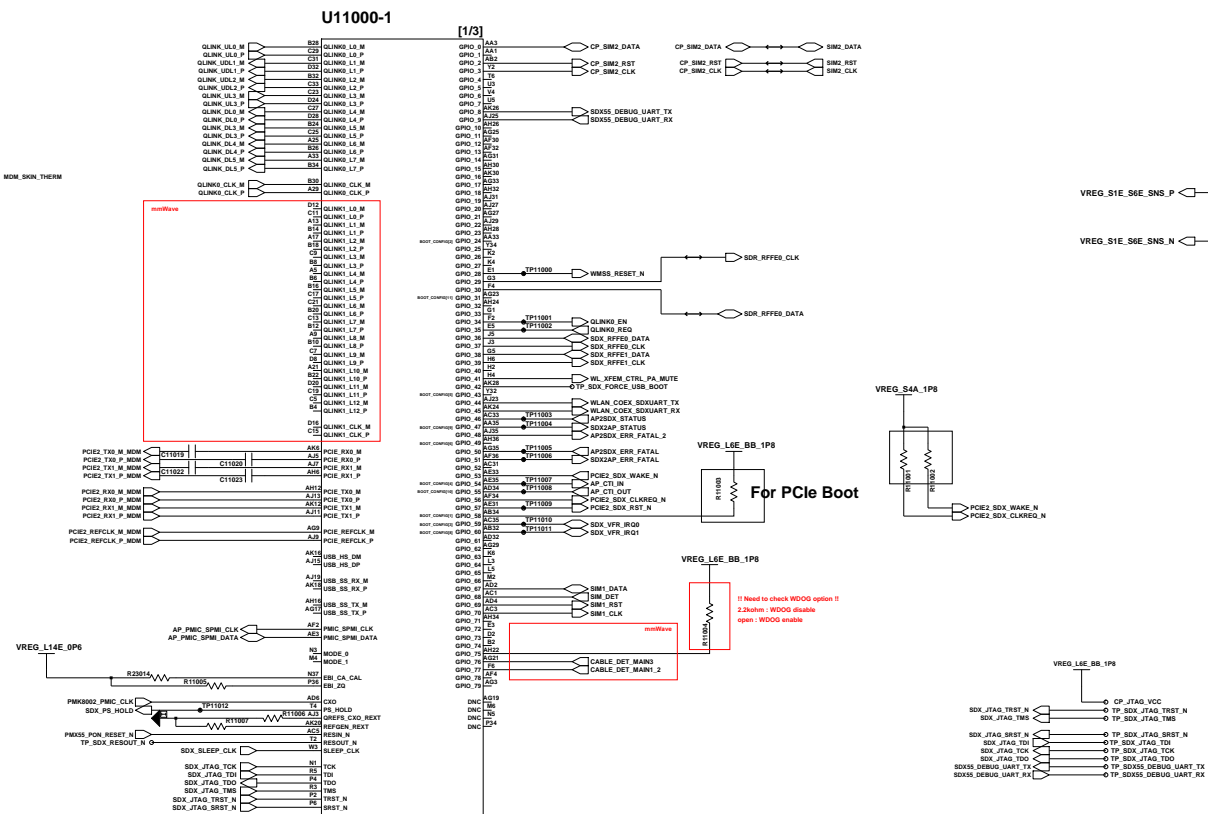
MAIN TO SUB PBA



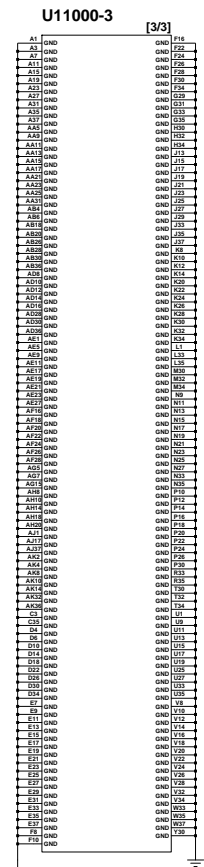
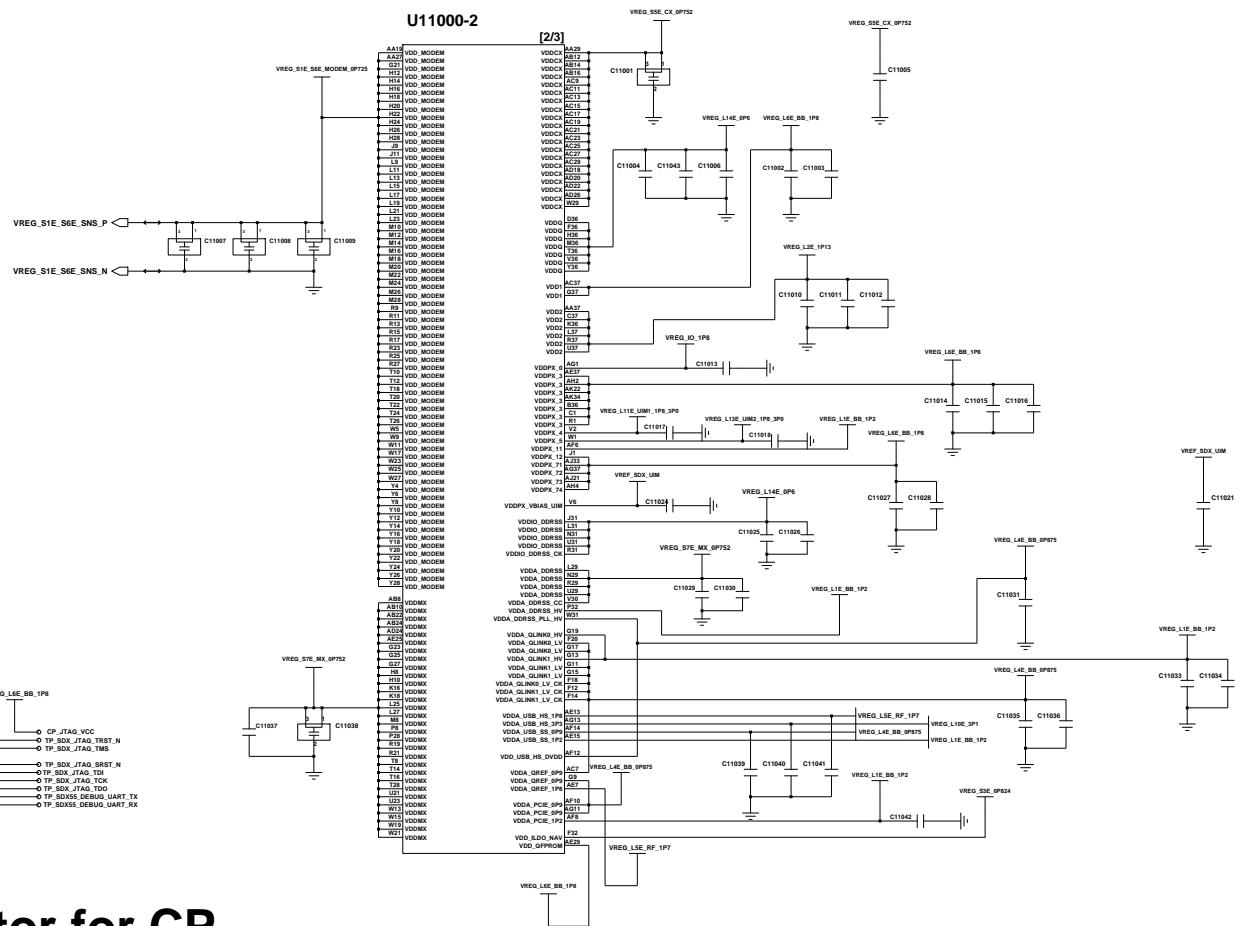
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SDX55M

System



JTAG connector for CP



Engineer:	SEC	SAMSUNG ELECTRONICS	
Drawn by:	SEC		
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DOC CTRL CHK:		SM8250 + SDX55M	
MFG ENGR CHK:			
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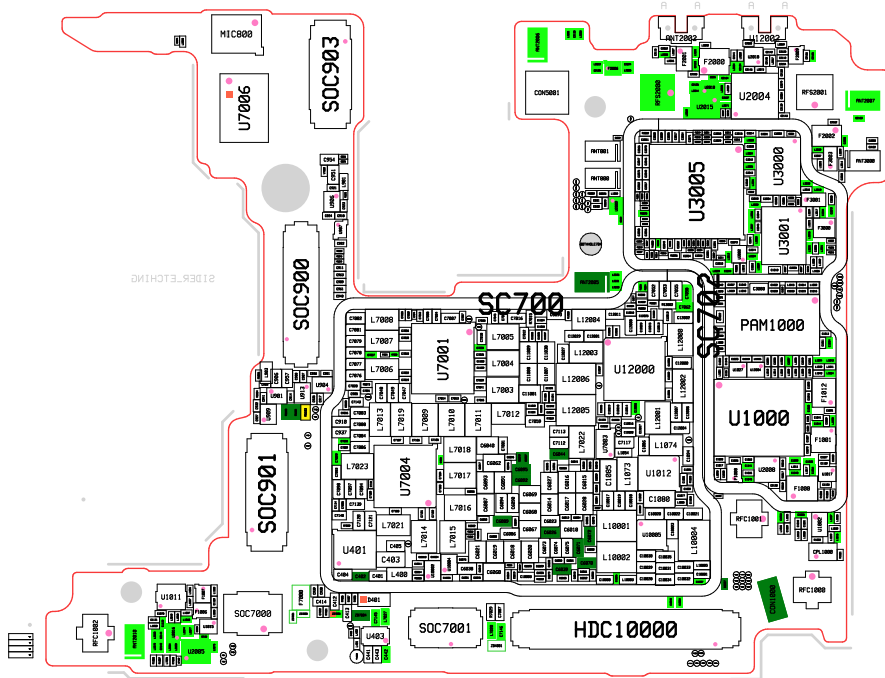


HW ID	BOARD REVISION	Value	Mech
00	R8 BRINGUP	6.04K	
01	R8 DV1	9.1K	
02	R8 DV2	12.4K	
03	SM-G781B_PV01	18K	
04	SM-G781B_PV01_ENDC	22K	
05	SM-G781B_PV01_CHINA	30K	
06	SM-G781B_PV02	39K	
07		47K	
08		56K	
09		68K	
10		82K	
11		100K	
12		120K	
13		150K	
14		180K	
15		200K	
16		240K	
17		280K	
18		330K	
19		430K	
20		560K	
21		750K	
22		1000K	
23		1500K	
24		3000K	

Conduction

Radiation

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Drawn by:	SEC			
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DOC CTRL CHK:				
MFG ENGR CHK:				
d: QA CHK:		REV:	Drawing Number:	Page:



JTAG6000

