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A	<div>SAMSUNG CONFIDENTIAL THIS DOCUMENT CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION THAT IS SAMSUNG ELECTRONICS CO.'S PROPERTY. DO NOT DISCLOSE TO OR DUPLICATE FOR OTHERS EXCEPT AS AUTHORIZED BY SAMSUNG.</div>																
B																	
C																	2019.06.21
D																	
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	

SM-S901B_RAINBOW_Secondary_AP

- sheet01 : RF
- sheet02 :
- sheet03 : UFS / HALL IC / USIM / Shieldcan & BOSS
- sheet04 :
- sheet05 modAP / System Clock
- sheet06 : modAP Power_decoupling capacitor
- sheet07 : Power management IC(modAP / Peri) & IFPMIC
- sheet08 : AUDIO
- sheet09 : CAMERA
- sheet10 : OVP & CHARGER
- sheet11 : INTERPOSER

Engineer:			
Drawn by:			
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QA CHK:	REV:	Drawing Number:	Page:

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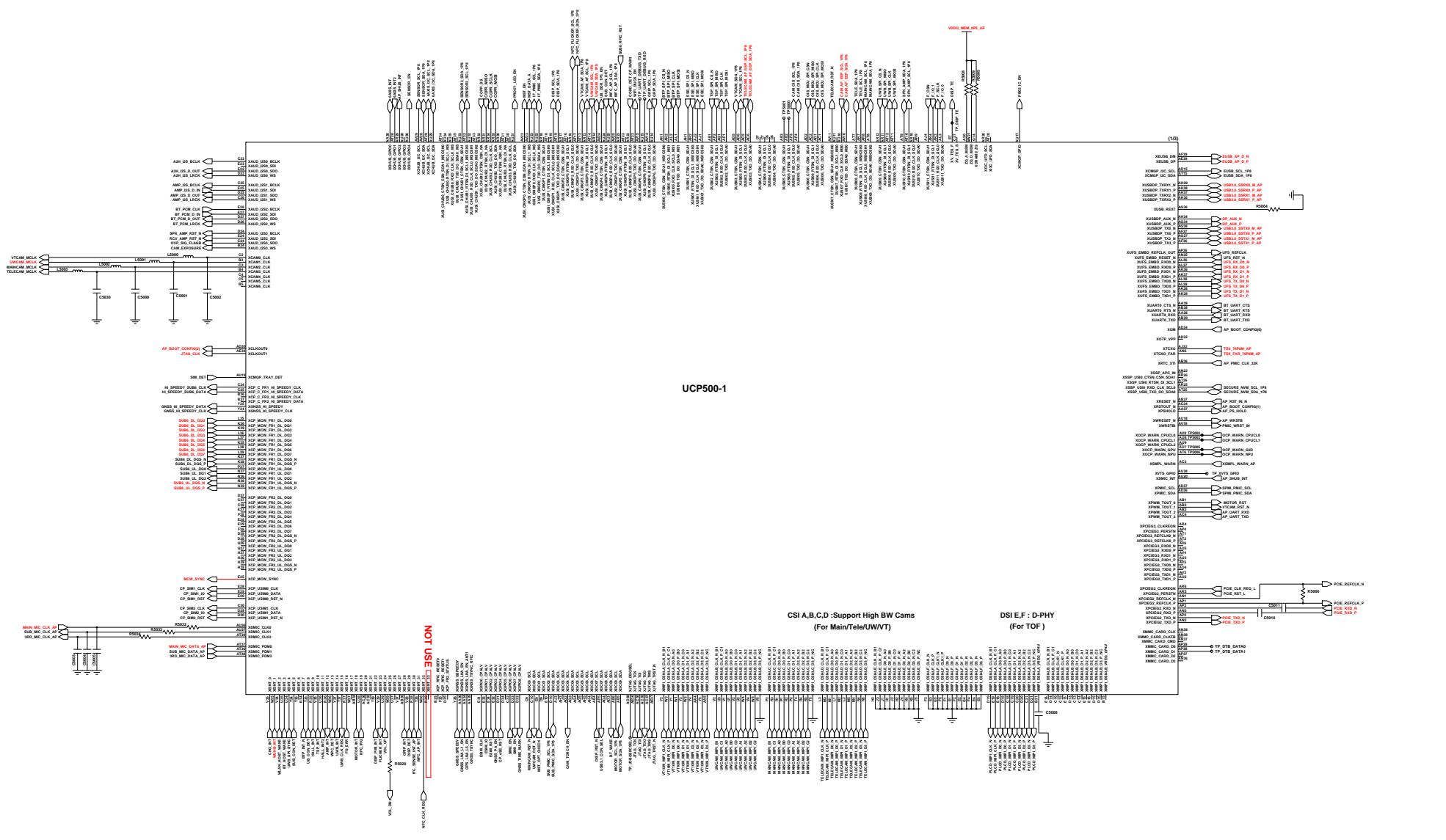
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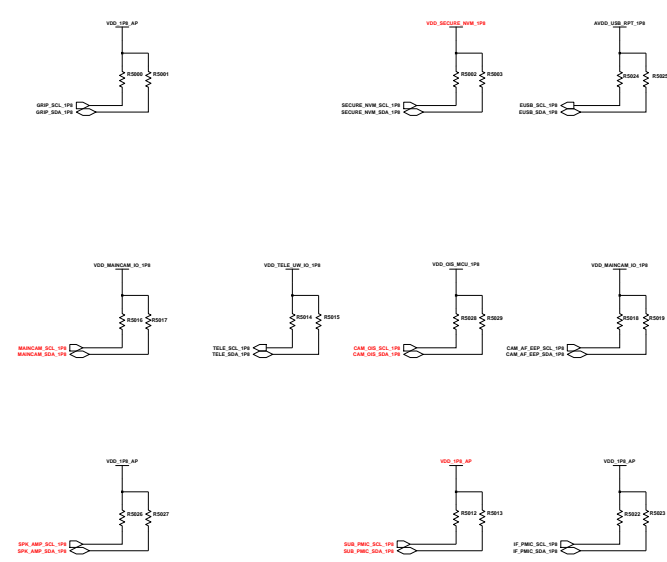
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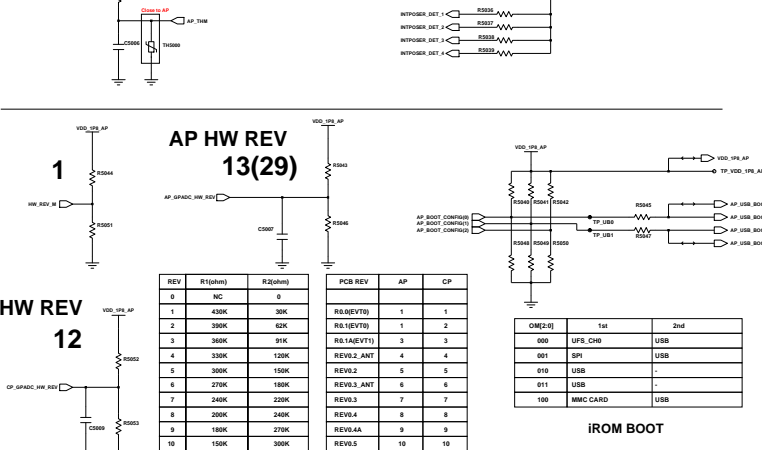
5. modAP(Pamir) & System Clock



H/W I2C



ETC

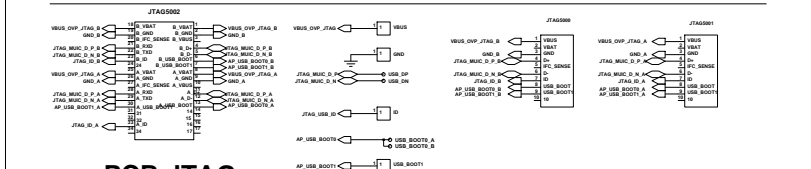


CP HW REV 12

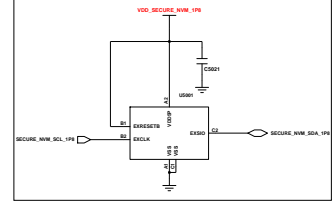
AP HW REV 13(29)

REV	R1(Ohm)	R2(Ohm)	PCB REV	AP	CP
0	NC	0	R6(EVTS)	1	1
1	430K	30K	R6(EVTS)	1	2
2	390K	62K	R6(EVTS)	3	3
3	390K	91K	REV0.2_ANT	4	4
4	330K	120K	REV0.2	5	5
5	330K	150K	REV0.3_ANT	6	6
6	270K	180K	REV0.4	7	7
7	240K	220K	REV0.4A	8	8
8	200K	240K	REV0.4A	9	9
9	180K	270K	REV0.5	10	10
10	150K	300K	REV0.6/D.5A	11	11
11	130K	330K	REV0.7/D.7B	12	12
12	110K	360K	REV0.7D	13	13
13	62K	390K			
14	30K	430K			

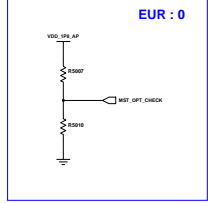
PCB JTAG



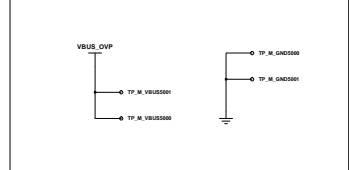
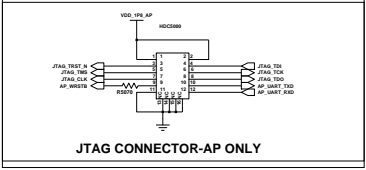
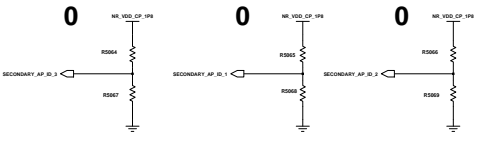
Secure NVM



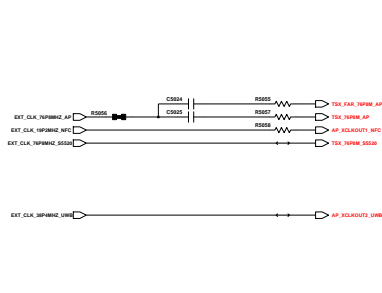
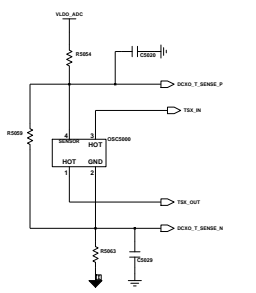
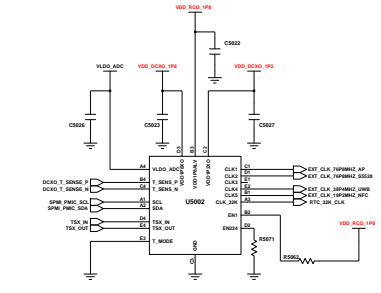
EUR : 0



VER.	SECONDARY AP D.1	SECONDARY AP D.1	SECONDARY AP D.1
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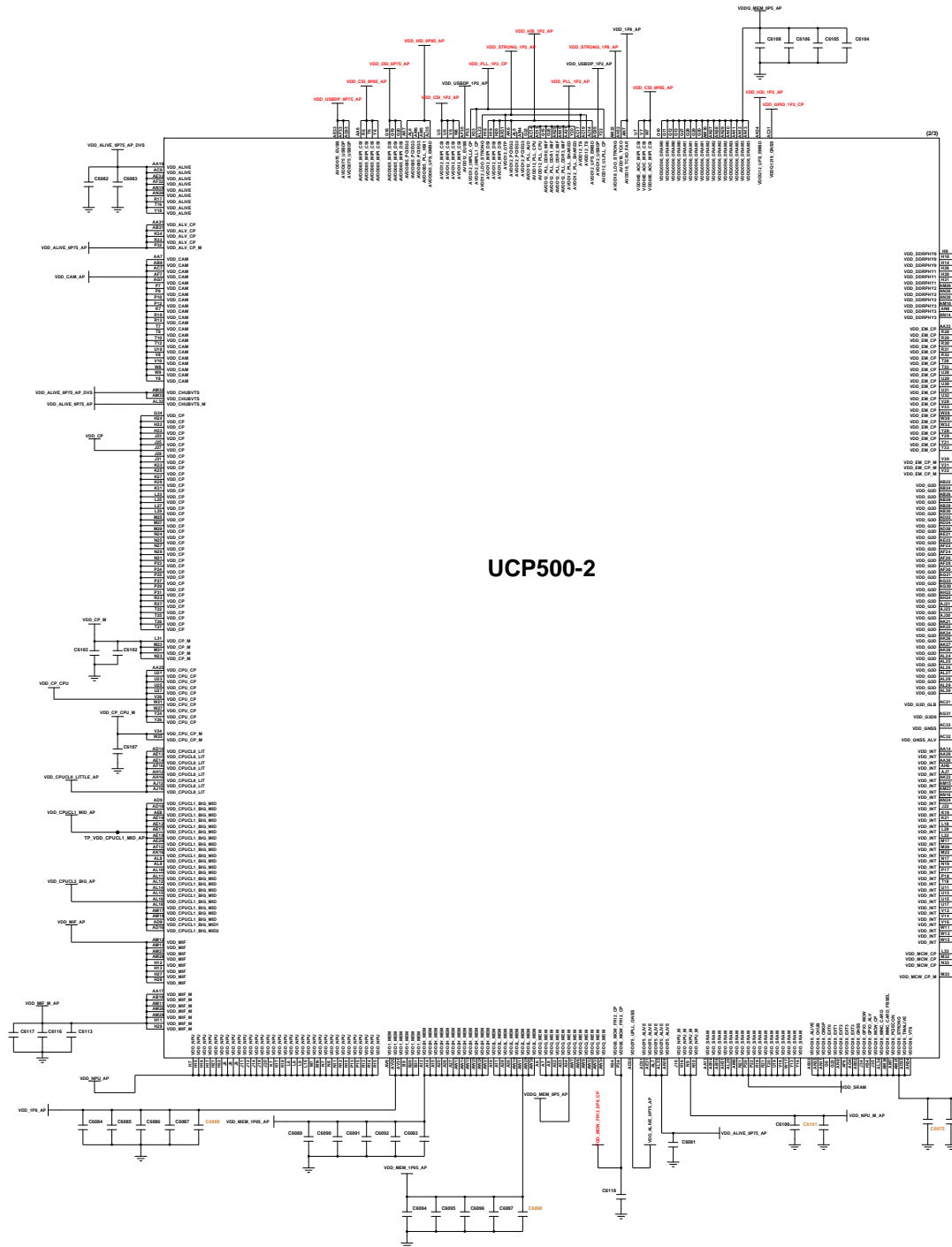
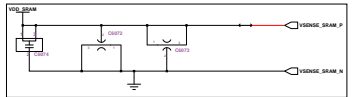
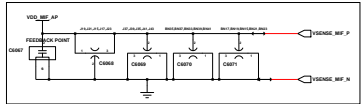
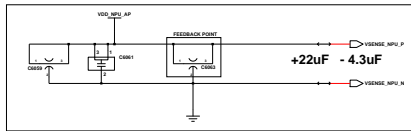
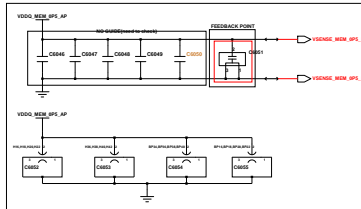
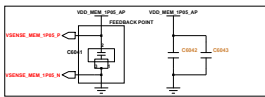
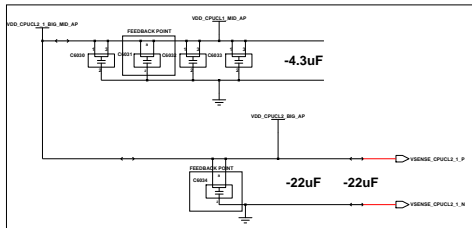
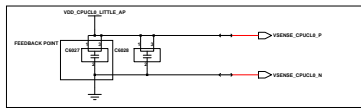
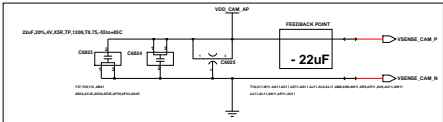
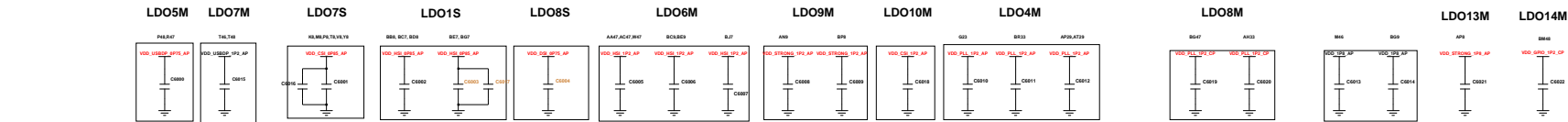


SYSTEM CLOCK

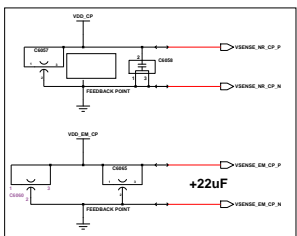
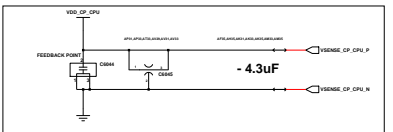
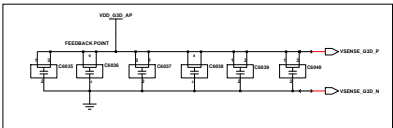
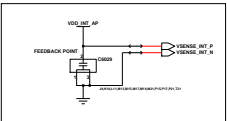
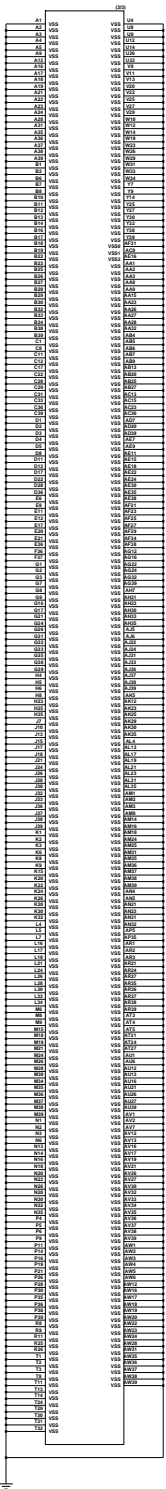


6. modAP(OLYMPUS) Power_decoupling capacitor

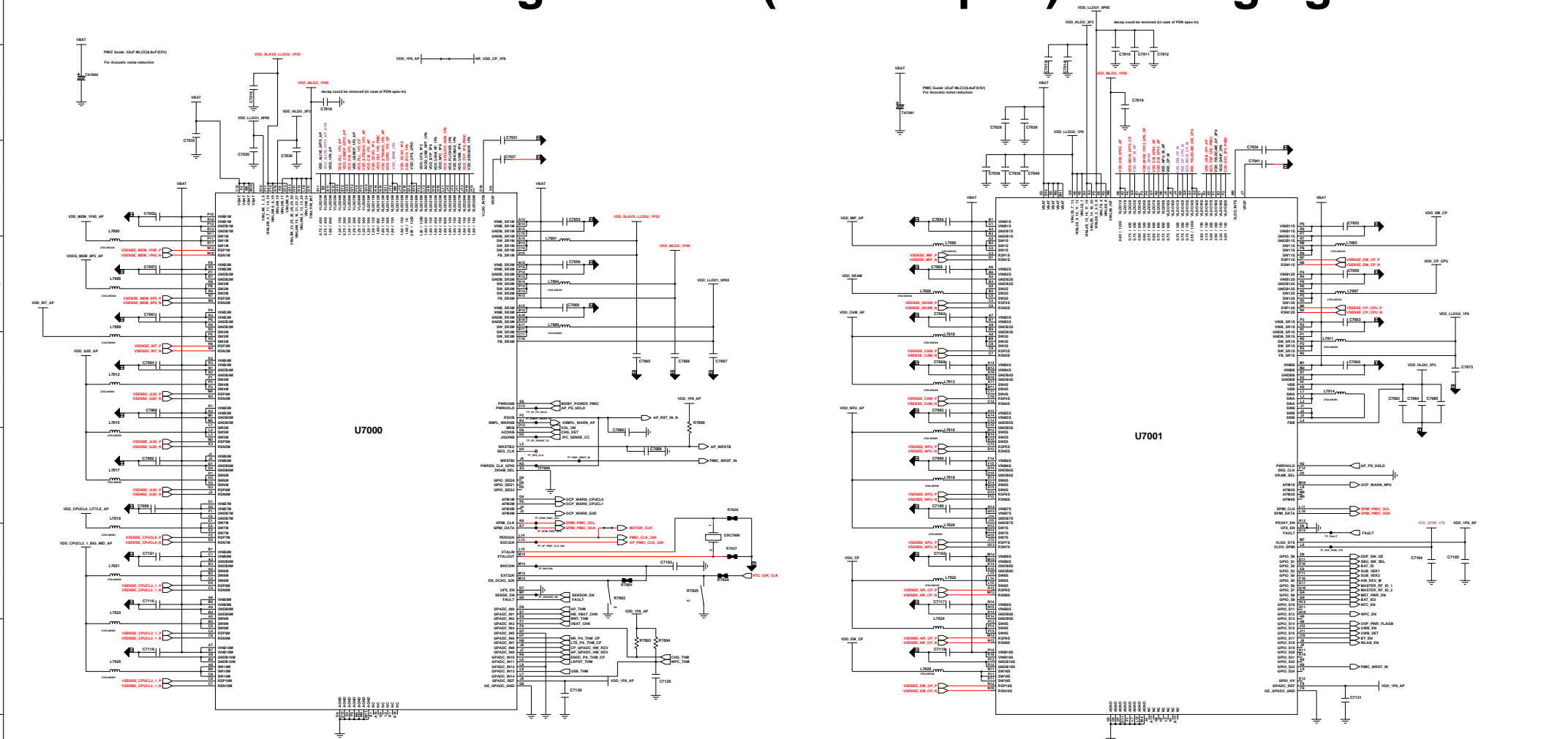
1. Place de-caps around assigned pins
2. De_caps could be removed(For powers that meet the Remote_cap specification)



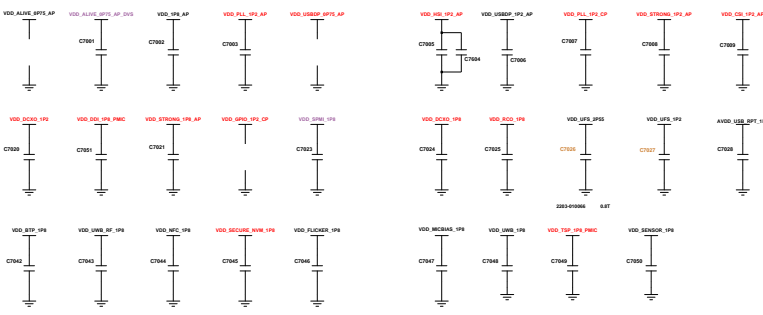
UCP500-3



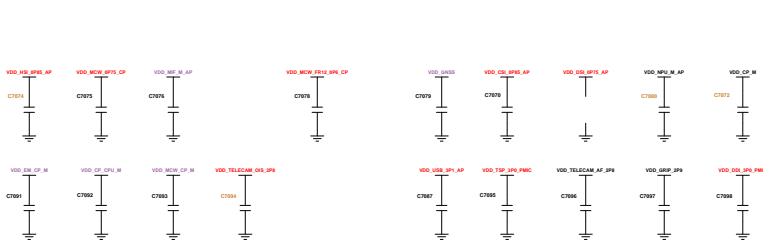
7. Power management IC (modAP/peri) & Charging



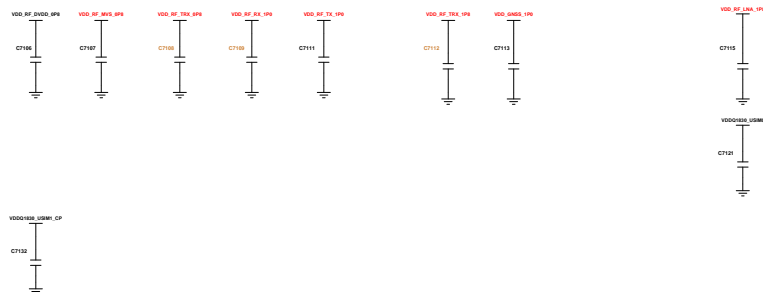
S2MPS25 PMIC LDO Cap



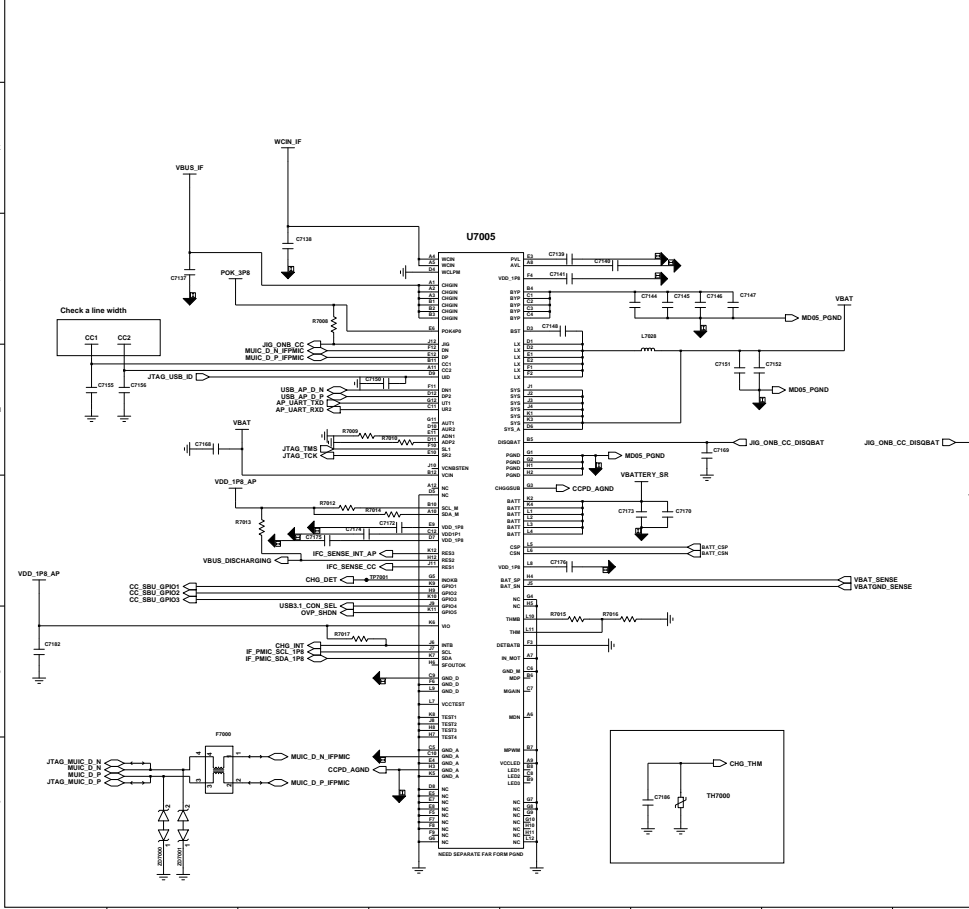
S2MPS26 PMIC LDO Cap



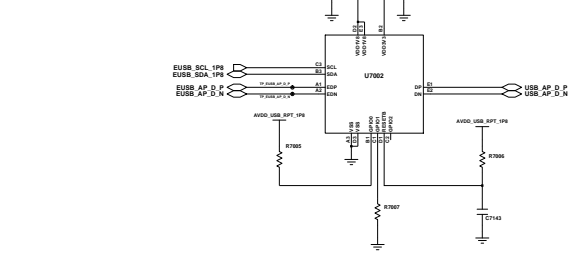
S2MPM07 PMIC LDO Cap



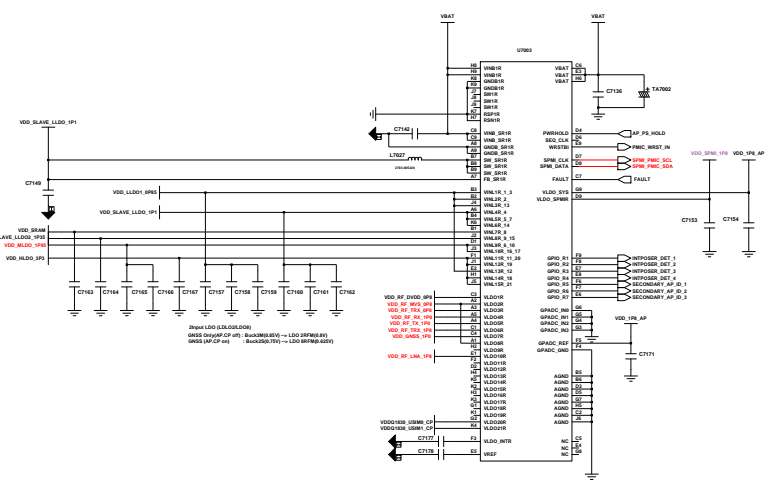
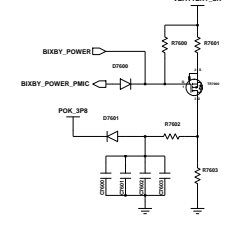
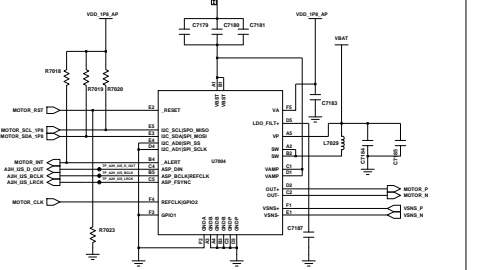
Interface PMIC



eUSB Repeater

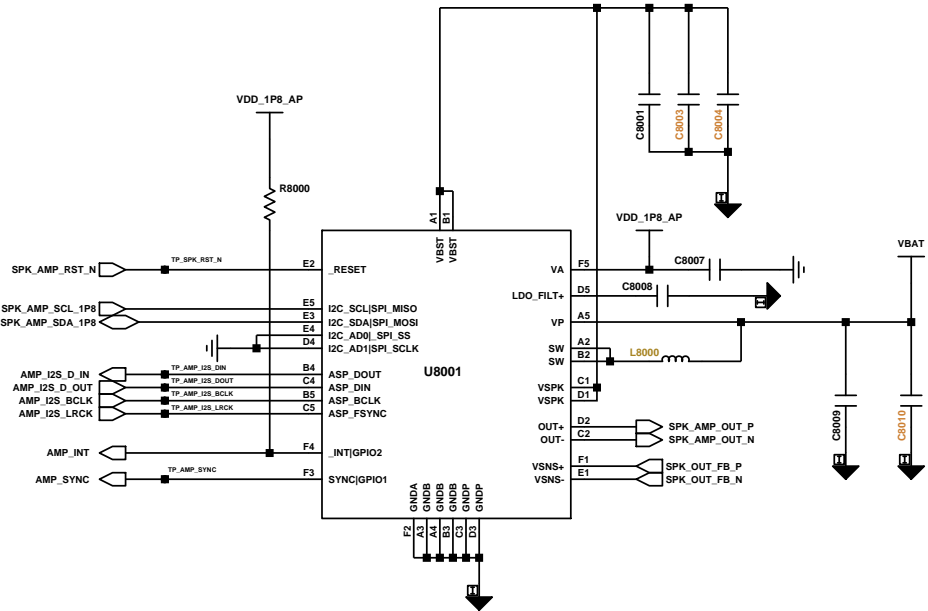


HAPTIC DRIVER

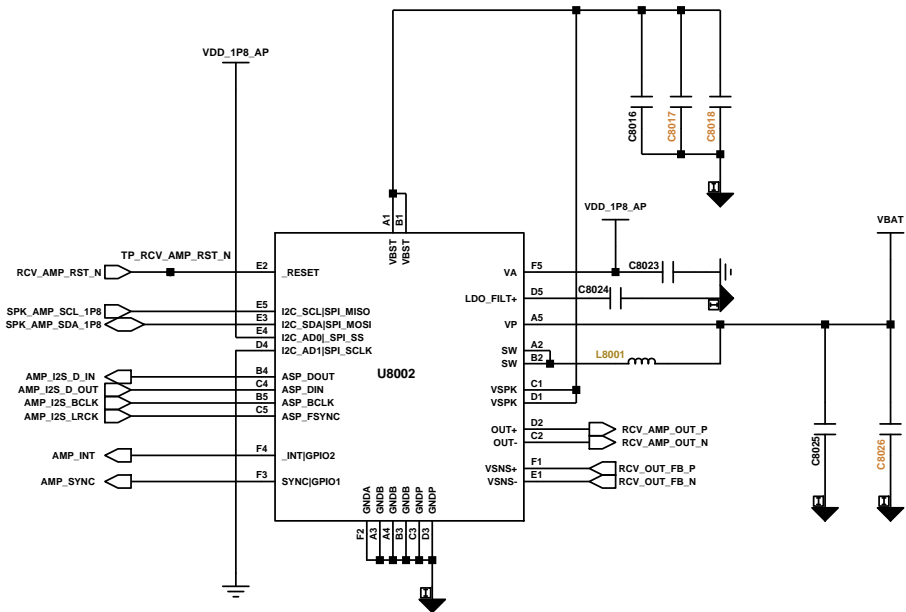


AUDIO

SPK AMP

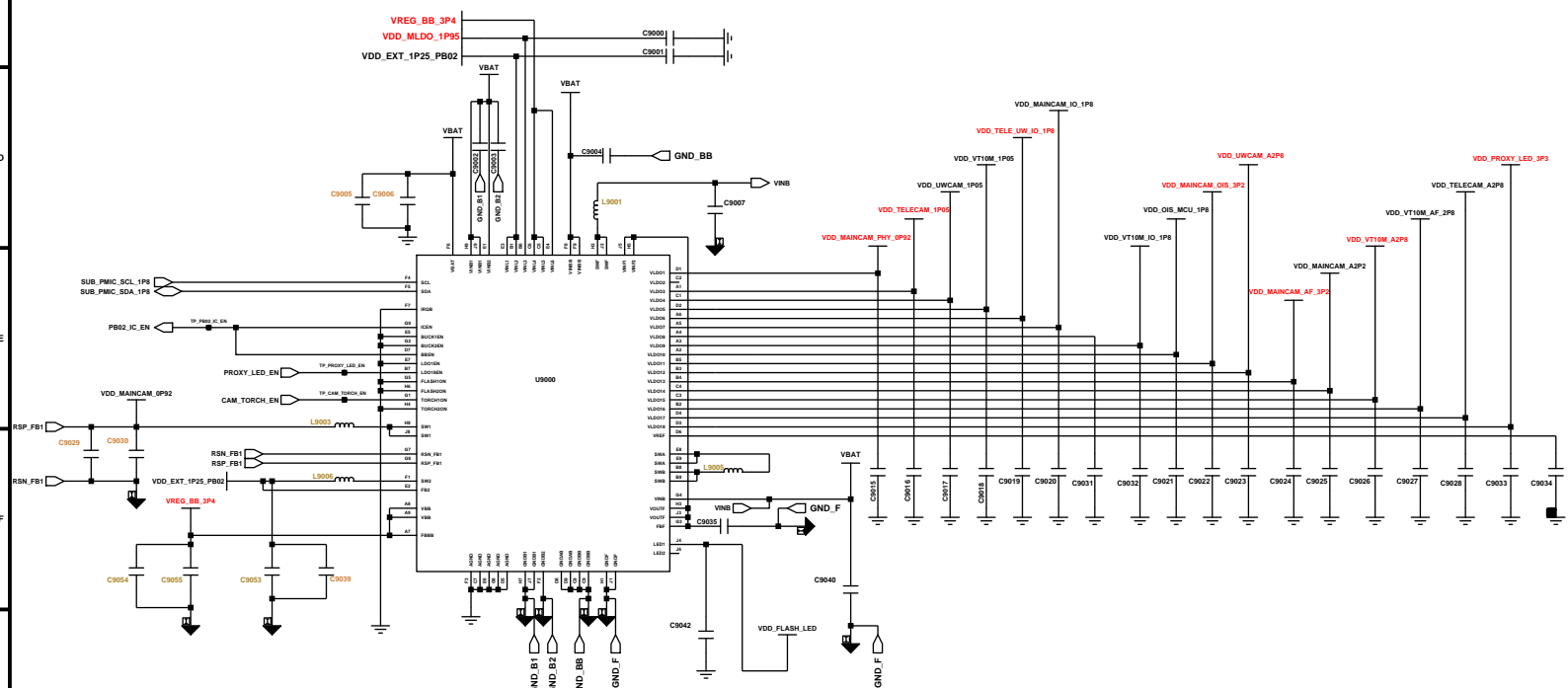


RCV AMP

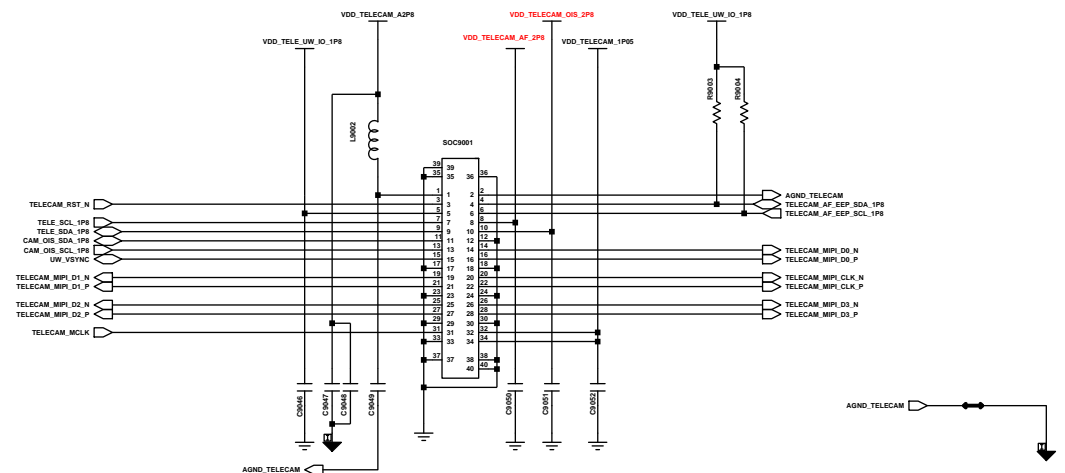
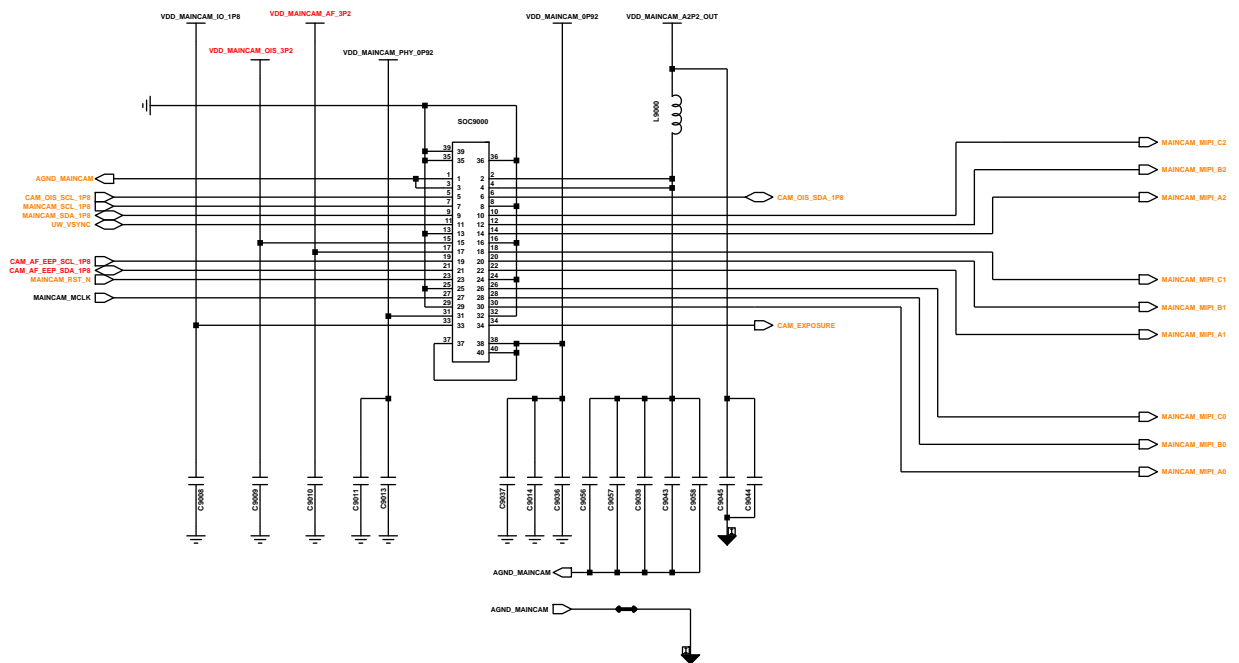


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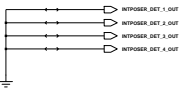
CAMERA



1st CAM PMIC(PB02)



TELE x3 CAM



SC3000

UCP500

UME3000

SOC9000

SOC9001

HDC5000

SC3001

CON3000

PANT1000

PANT1000

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SM-S901B_MASTER_RF_REV0.7

2021.10.08

sheet01 : RF (1/2)

sheet02 : RF (2/2)

sheet03 : NFC / UWB / e-SIM / MST / BATTERY CONN

sheet04 : WIFI COB

sheet05 : SENSORS

sheet06 : CAMERA / mmW CONN

sheet07 : DISPLAY / IF SUB CONN / AUDIO

sheet08 : INTERPOSER

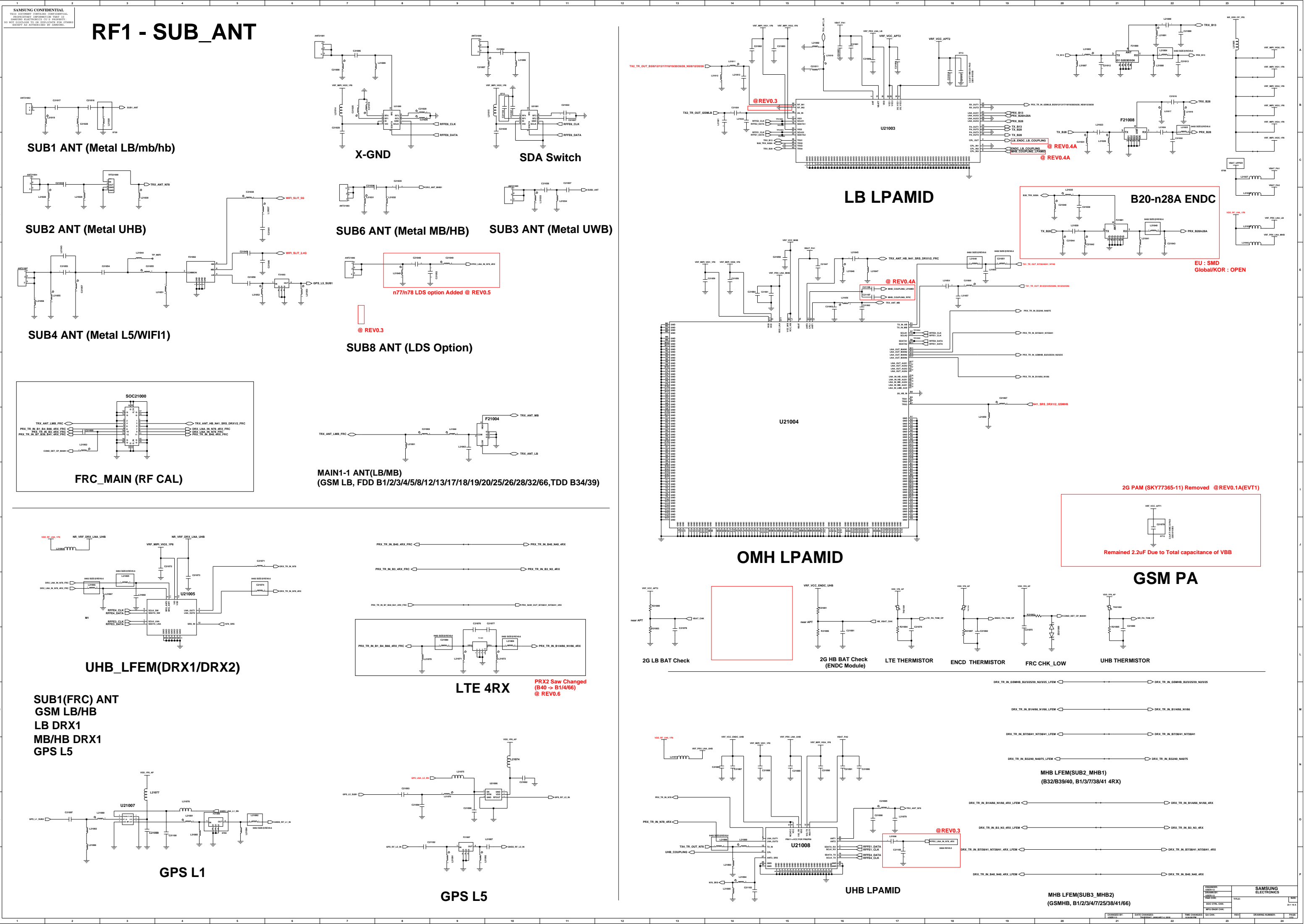
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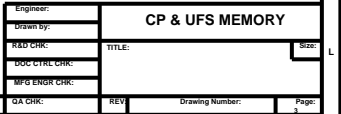
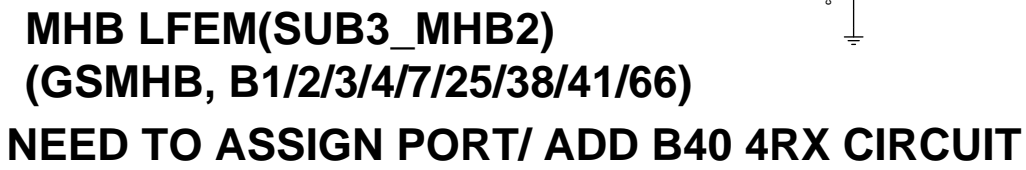
SM-S901B_MASTER_RF_REV0.7

2021.10.08

- sheet01 : RF (1/2)
- sheet02 : RF (2/2)
- sheet03 : NFC / UWB / e-SIM / MST / BATTERY CONN
- sheet04 : WIFI COB
- sheet05 : SENSORS
- sheet06 : CAMERA / mmW CONN
- sheet07 : DISPLAY / IF SUB CONN / AUDIO
- sheet08 : INTERPOSER

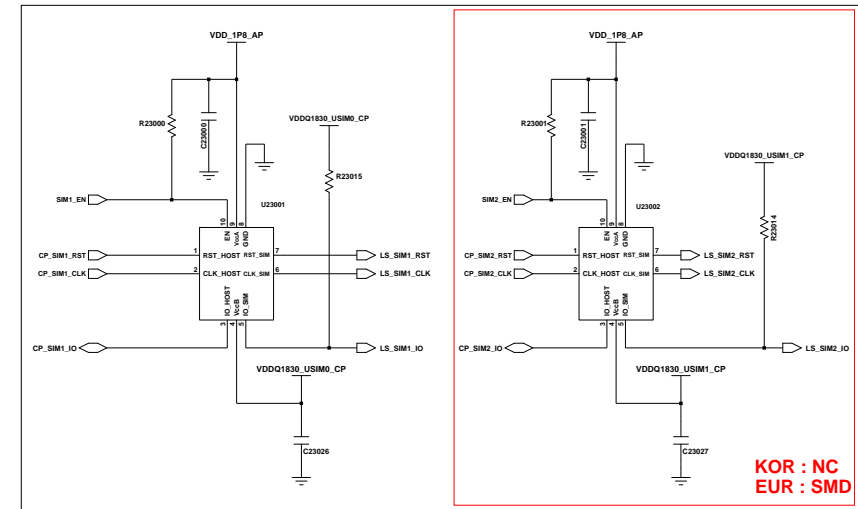
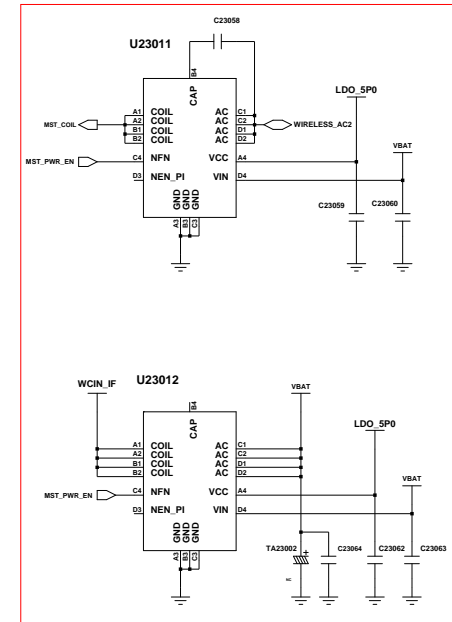
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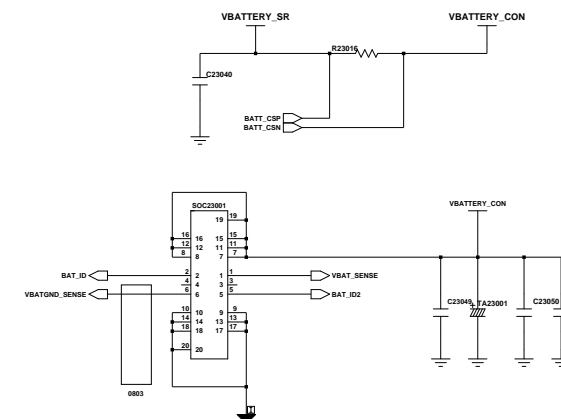


MST SWITCH

LEVEL SHIFTER

[illegible]

BATTERY CONNECTOR



etc.

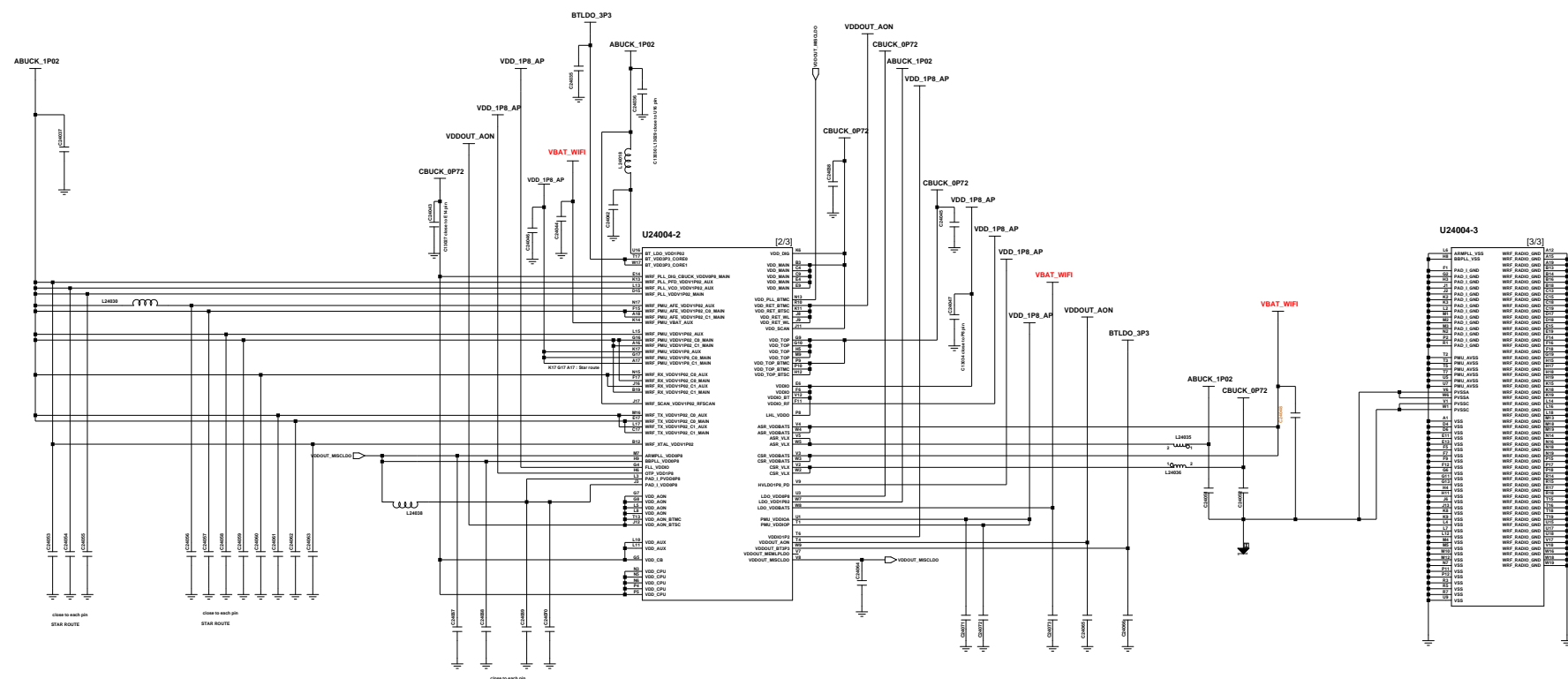
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○
- 1.7** BOTHHOLE23000
○
- 1.0** BOTHHOLE23005 BOTHHOLE23006
○
- 3.25** BOTHHOLE23001 BOTHHOLE23009
○
- 4.0** BOTHHOLE23002
○
- 4.5** BOTHHOLE23004
○
- 1.0** BOTHHOLE23007 BOTHHOLE23008
○
- BOSSHOLE**

SHILED CAN

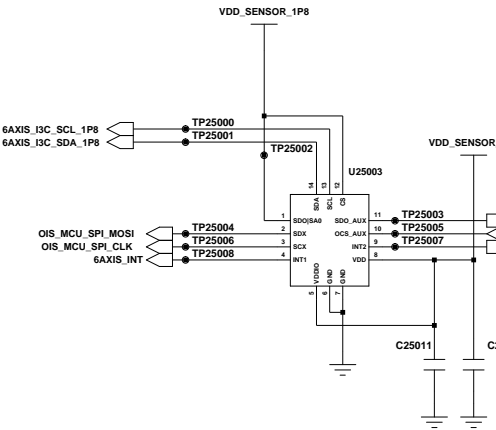
2D BARCODE

ESD PORON

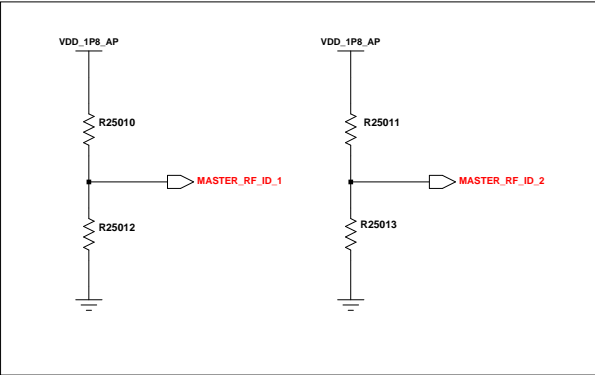
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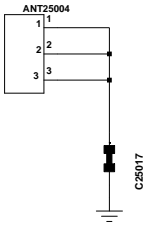
0819 REMOVED



Proximeter/Ambient Light Sensor



MASTER CHECK



1



1



1



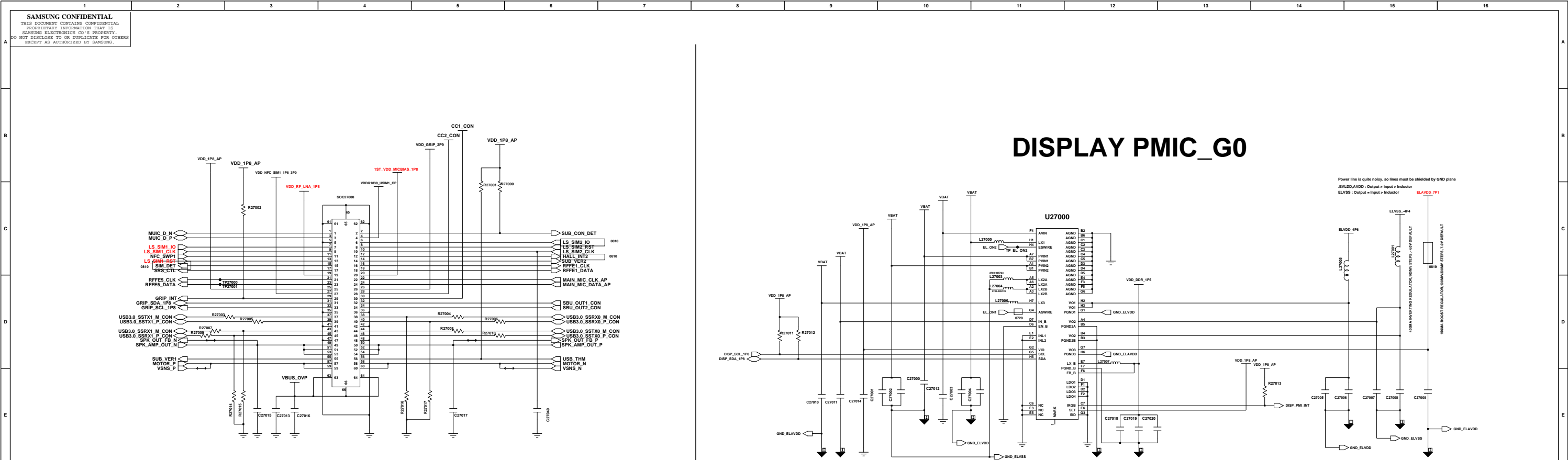
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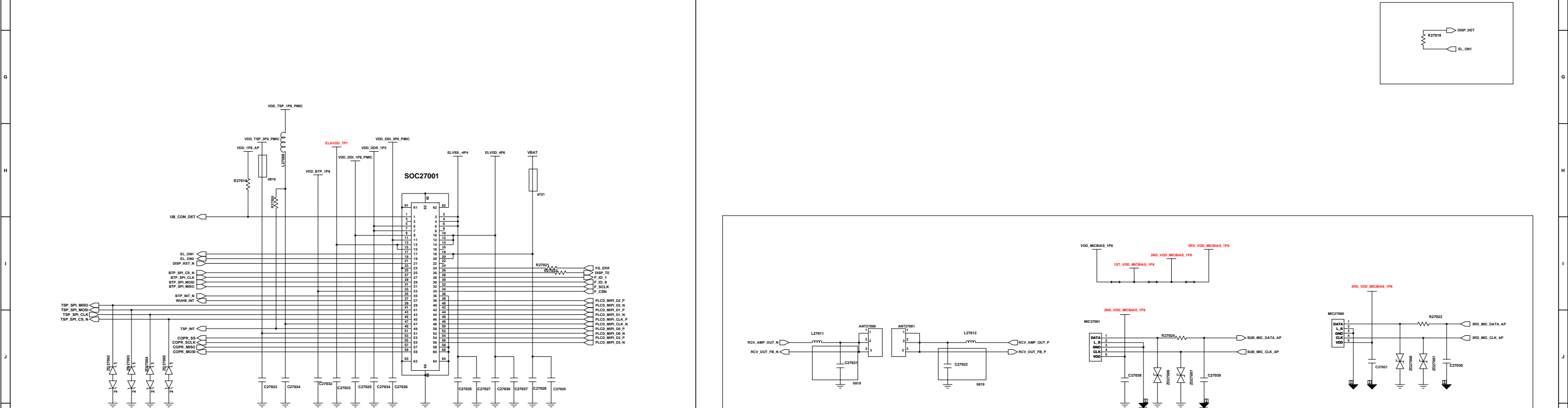


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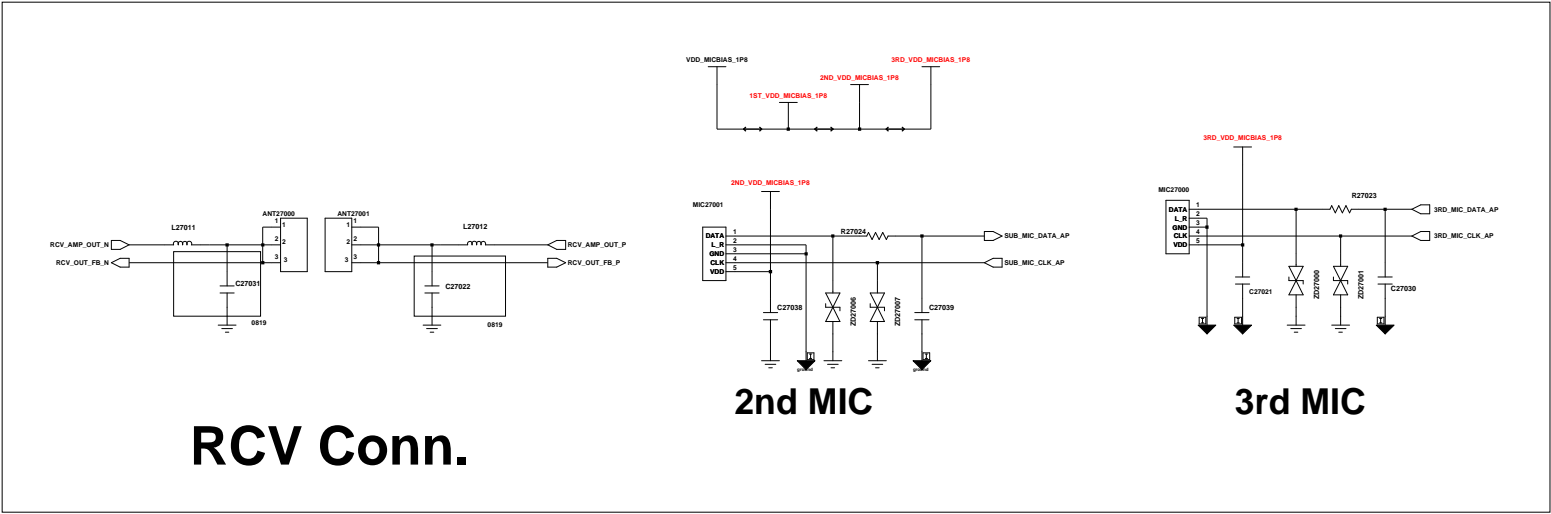
SLAVE




IF SUB PBA Conn



DISPLAY CONNECTOR



RCV Conn.

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Drawn by: cad		
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MFG ENGR CHK:		
QA CHK:	REV:	Drawing Number: Page: 10

INTERPOSER

