

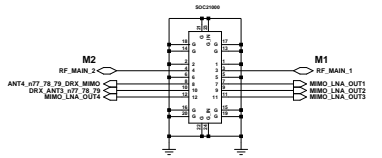
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<div><div>SAMSUNG CONFIDENTIAL THIS DOCUMENT CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION THAT IS SAMSUNG ELECTRONICS CO.'S PROPERTY. DO NOT DISCLOSE TO OR DUPLICATE FOR OTHERS EXCEPT AS AUTHORIZED BY SAMSUNG.</div></div>																A										
<div><div>SM-S908E MASTER RF REV0.7B</div></div>																B										
<div><div>11 2021</div></div>																C										
																D										
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16											
													Changed by: sznd		Date Changed:		Time Changed:		QA CHK:		REV		Drawing Number:		Page: 6	
													Engineer:		Drawn by:		RED CHK:		DOC CTRL CHK:		MASTER CHK:		TITLE: U_SMB350		Size: 6	

SM-S908E MASTER RF REV0.7B

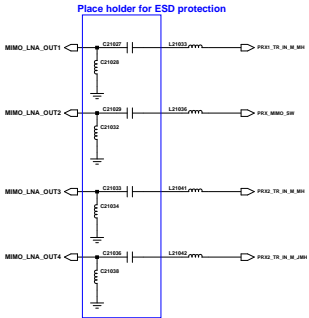
11 2021

Engineer:		
Drawn by:		
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DOC CTRL CHK:	U_SMB250	
MFG ENGR CHK:		
QA CHK:	REV:	Drawing Number:
		Page:

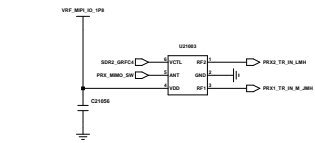
Radiation



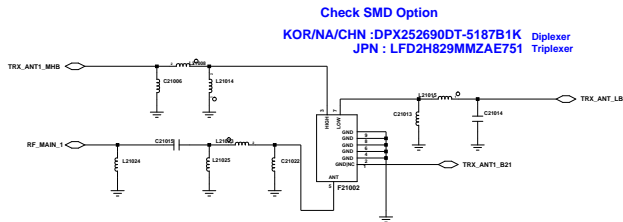
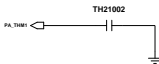
MAIN FRC



MHB MIMO_LNA OUT

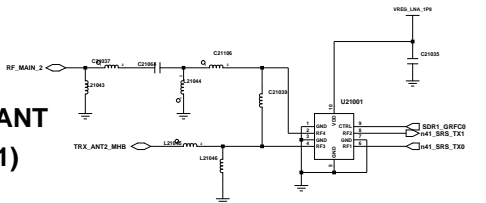


THERMISTERS

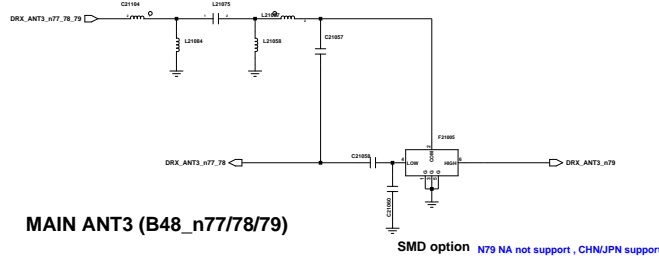


MAIN1 ANT (LB, MB, JPN B21)

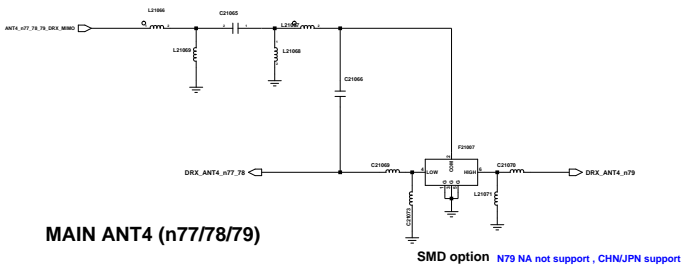
MAIN2 ANT (HB_n41)



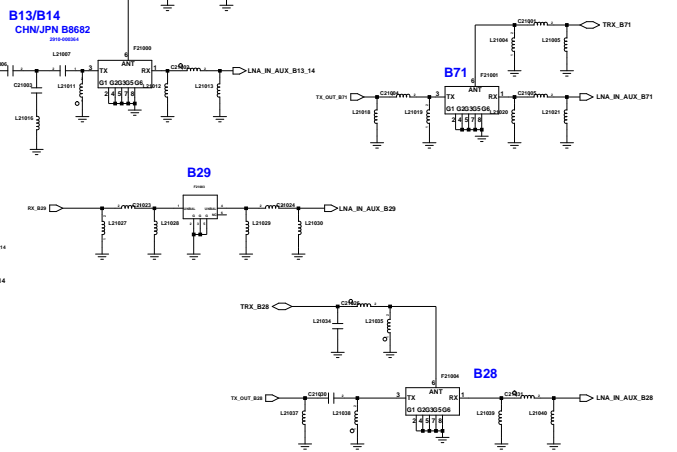
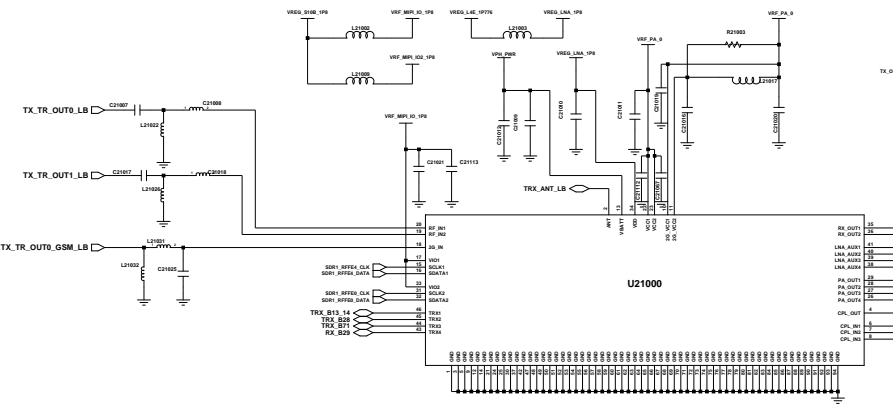
MAIN ANT3 (B48_n77/78/79)



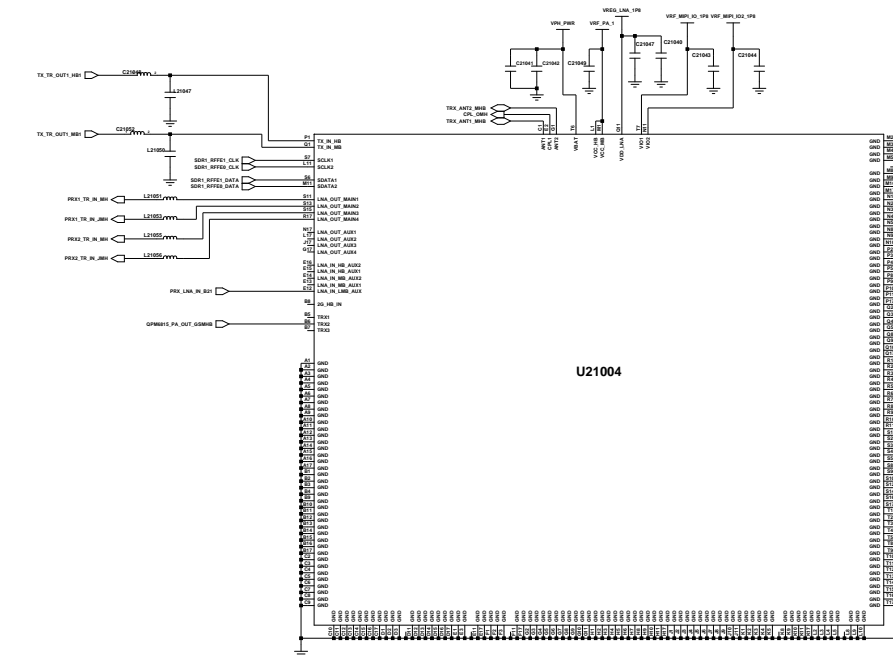
MAIN ANT4 (n77/78/79)



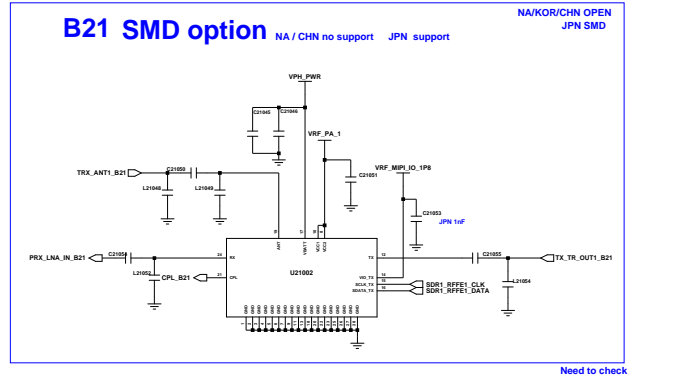
LB LPAMID (B5/8/12/13/14/17/20/26/28/29/71, G850/900, BC0/10)



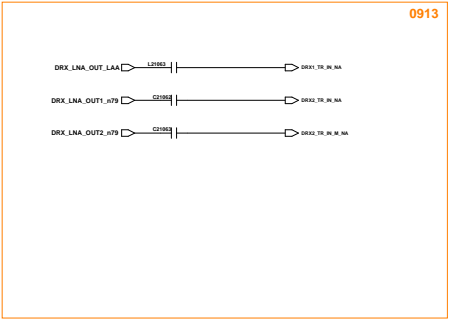
OMH LPAMID (B1/2/3/4/7/25/30/34/38/39/40/41/66, G1800/1900, BC1)



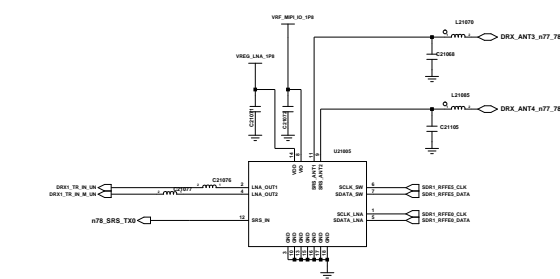
B21 SMD option NA / CHN no support JPN support



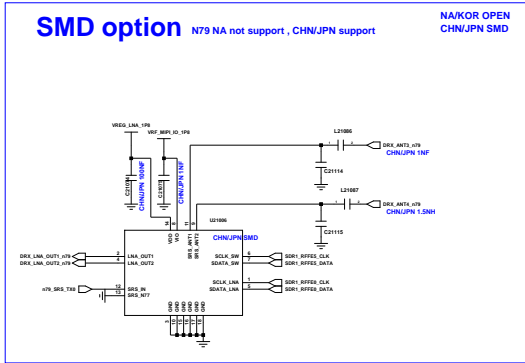
THERMISTER



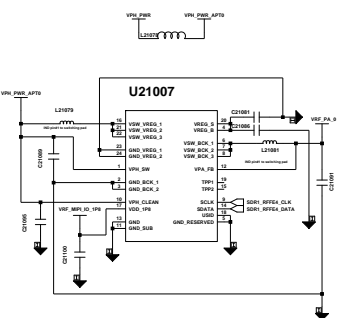
n77/78



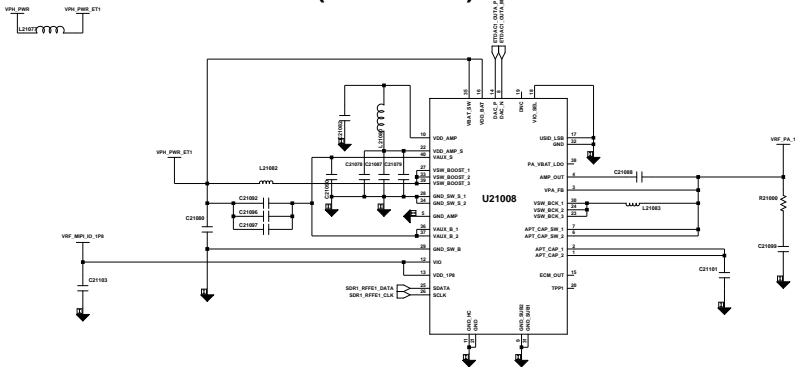
SMD option N79 NA not support , CHN/JPN support



ET Modulator(QET6105#0)



ET Modulator(QET5100#1)



2G_PA DELETE



DRX_MHB_2
(B2/4/7/25/30/41/66)

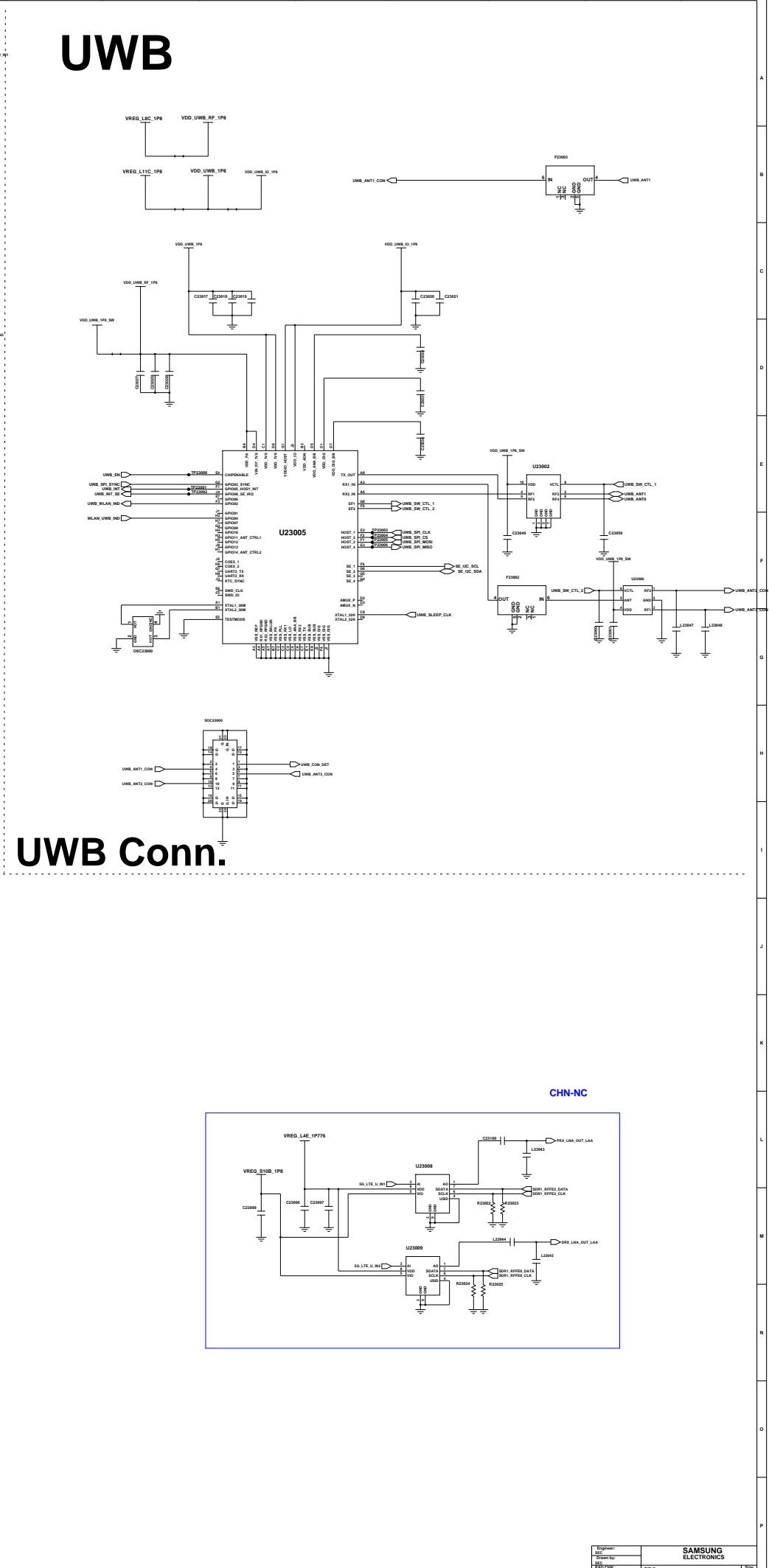


(B1/2/3/4/7/25/30/39/41/66_BC1_DCS/PCS)

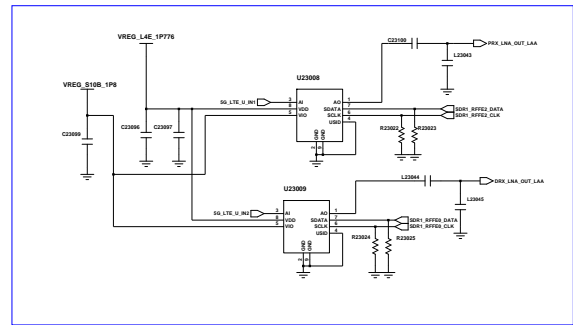


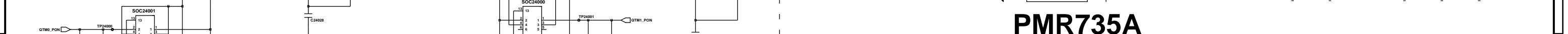
(B48, n77/78)





CHN-NC



[illegible][illegible]

Power

AUDIO

IF SUB PBA Conn

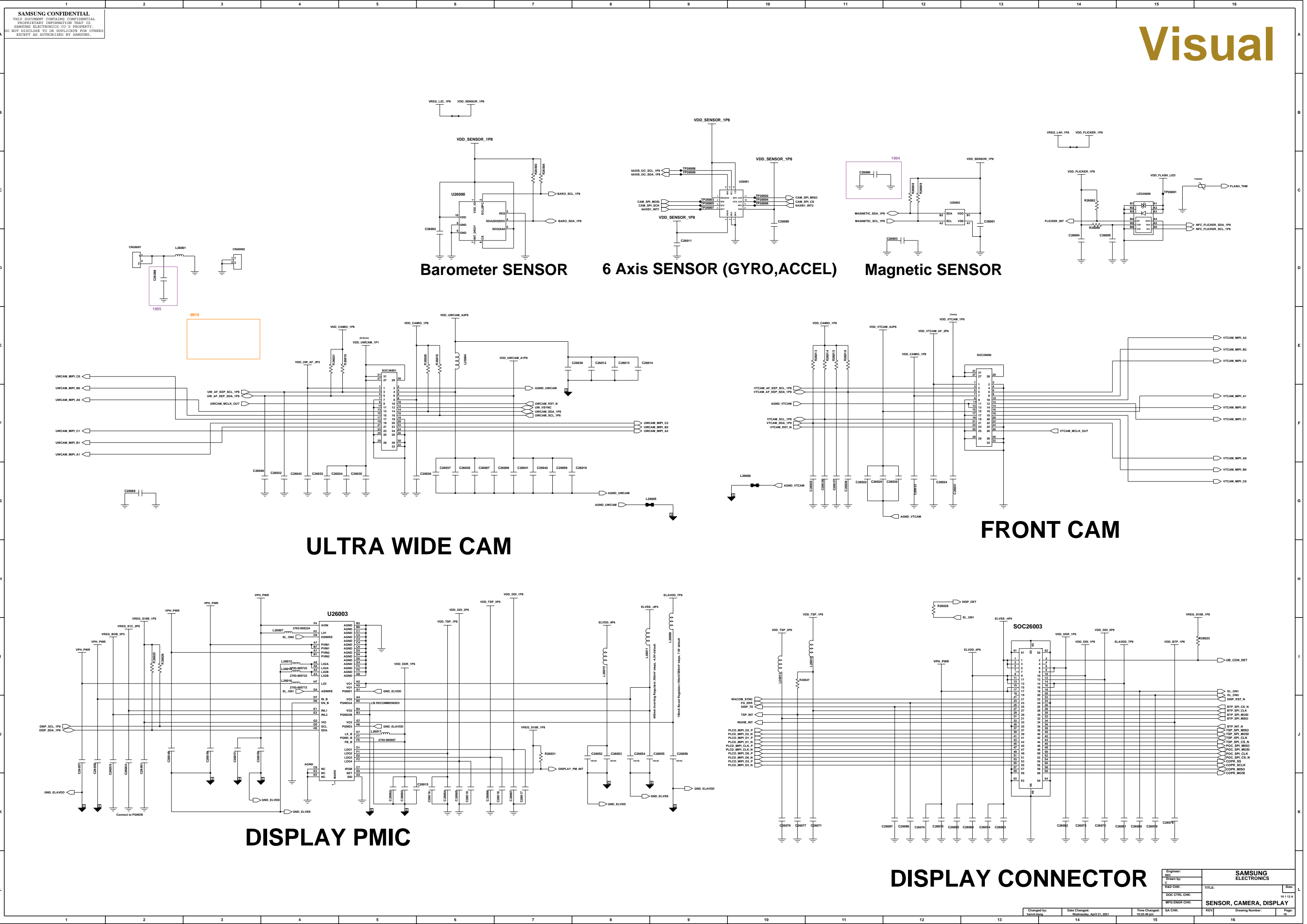
2nd MIC

3rd MIC

MOTOR DRV IC

PCB array JTAG

Changed by: hanvll.kang	Date Changed: Wednesday, April 21, 2021	Time Changed: 10:24:51 pm	QA CHK:	REV:	Drawing Number:	Page: 17
14		15		16		



Visual

Barometer SENSOR

6 Axis SENSOR (GYRO,ACCEL)

Magnetic SENSOR

FRONT CAM

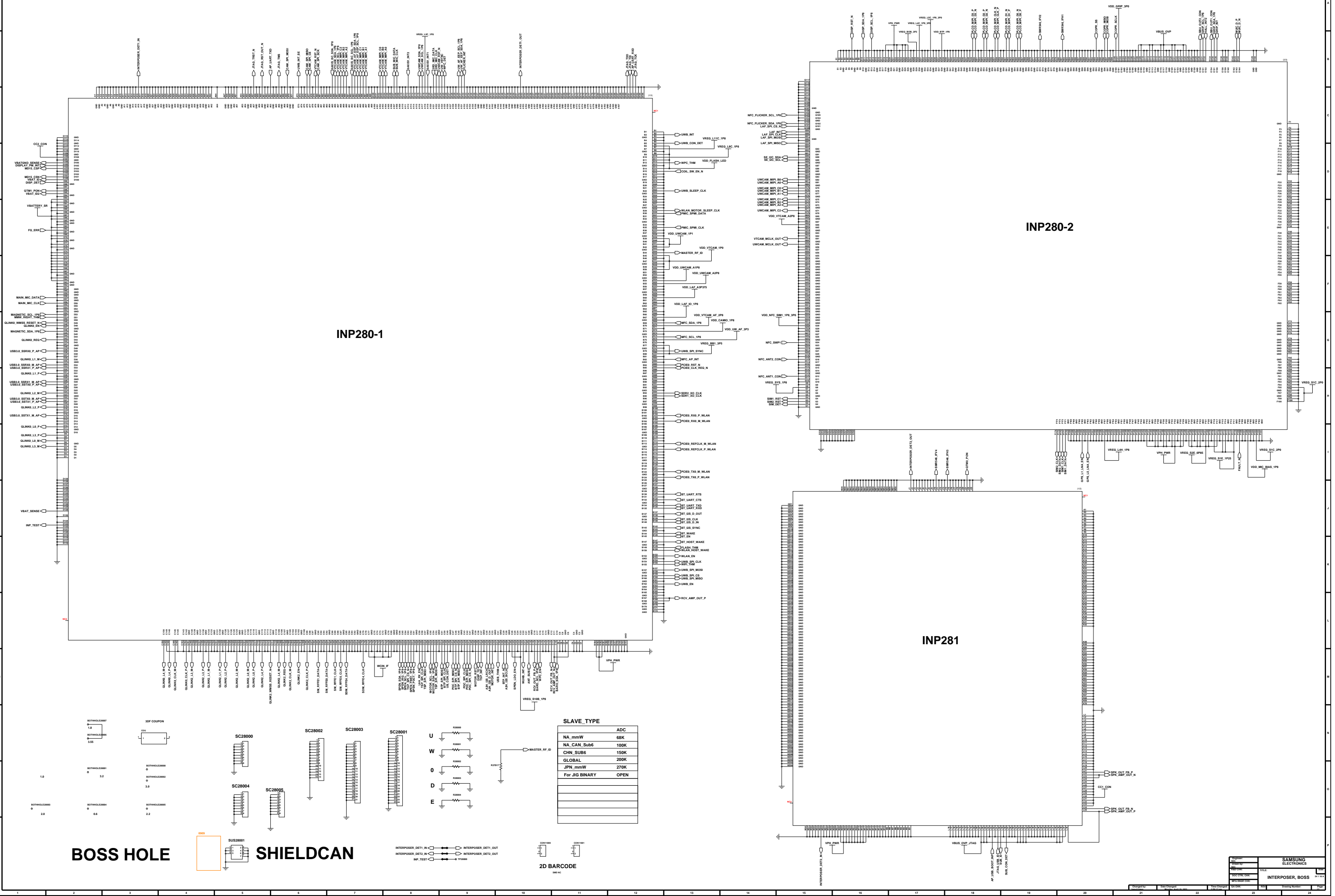
ULTRA WIDE CAM

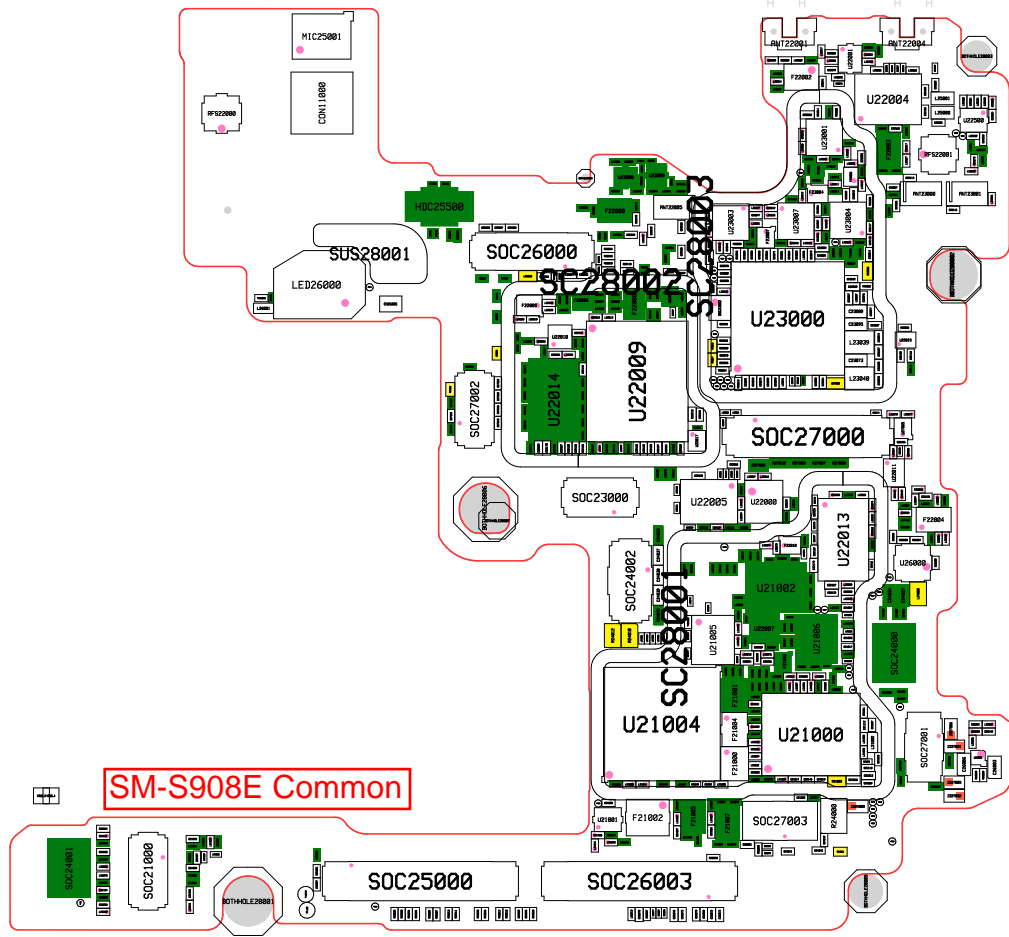
DISPLAY PMIC

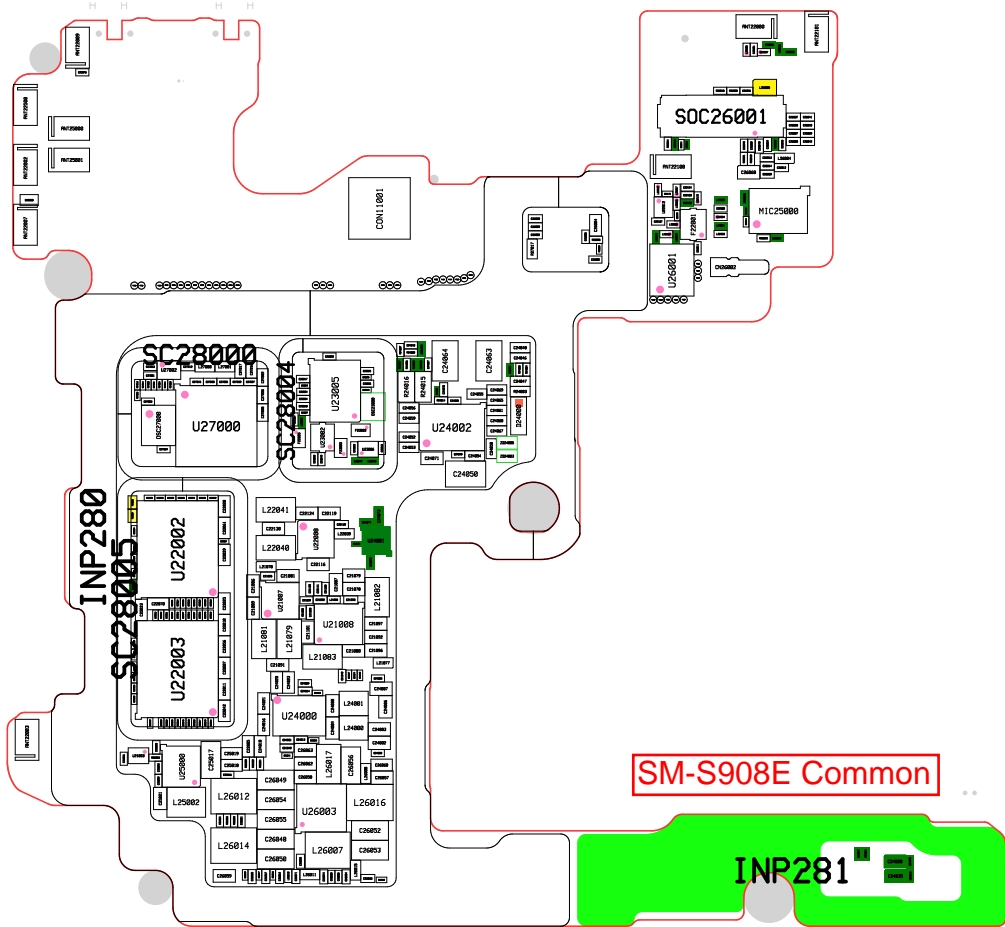
DISPLAY CONNECTOR

INTERPOSER

Design







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

B0 QCOM Secondary_AP Rev0.7A

2021.10.

SHEET01 : RF (1/2)

SHEET02 : RF (2/2)

SHEET03 : BT/WIFI, UWB

SHEET04 : NFC IC, SENSOR, AUX SW, SIM SW

SHEET05 : AP(1/2), UFS, NVM

SHEET06 : AP(2/2)

SHEET07 : AP PMIC, IF PMIC, Direct Charger, OVP IC, SIDE KEY

SHEET08 : SPK AMP, MIC

SHEET09 : CAM PMIC, CAM Conn., CAM MCU

SHEET10 : RF PMIC, IF IC

SHEET11 : INTERPOSER

Engineer:			
Drawn by:			
RDG CHK:	TITLE:		Size:
DOC CTRL CHK:	U_SMB250		
MFG ENGR CHK:			
QA CHK:	REV:	Drawing Number:	Page:

MAIN FRC

MAIN1 ANT
(LB,MB,JPN B21)

MAIN2 ANT
(HB_n41)

MHB MIMO_LNA OUT

MAIN ANT3 (B48_n77/78/79)

THERMISTERS

MAIN ANT4 (n77/78/79)

on MASTER PCB

ET Modulator(QET6105#0)

ET Modulator(QET5100#1)

on MASTER PCB

LB LPAMID
(B5/8/12/13/14/17/20/26/28/29/71, G850/900, BC0/10)

on MASTER PCB

OMH LPAMID
(B1/2/3/4/7/25/30/34/38/39/40/41/66, G1800/1900, BC1)

on MASTER PCB

on MASTER PCB

2G_PA

on MASTER PCB

on MASTER PCB

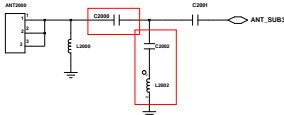
GPS_L5

on MASTER PCB

DRX_ANT

on MASTER PCB

SUB ANT2
(N77,N78)



SUB3
(UWB)

SUB4
(WIFI1 2.4G/5G, GPS L5)

SUB ANT5
(L1,MB,HB,N79)



CCP

DRX_LB
(B5/8/12/13/14/17/18/19/20/26/28/29/71_BC0/10_G850/900)

DRX_MHB_2
(B2/4/7/25/30/41/66)

on MASTER PCB

QET6105 #2

ENDC module

(B1/2/3/4/7/25/30/39/41/66_BC1_DCS/PCS)

on MASTER PCB

UHB
(B48, n77/78)

UHB
(n79)

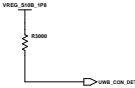
on MASTER PCB

WIFI (BCM4389 CoB)

on MASTER PCB

UWB

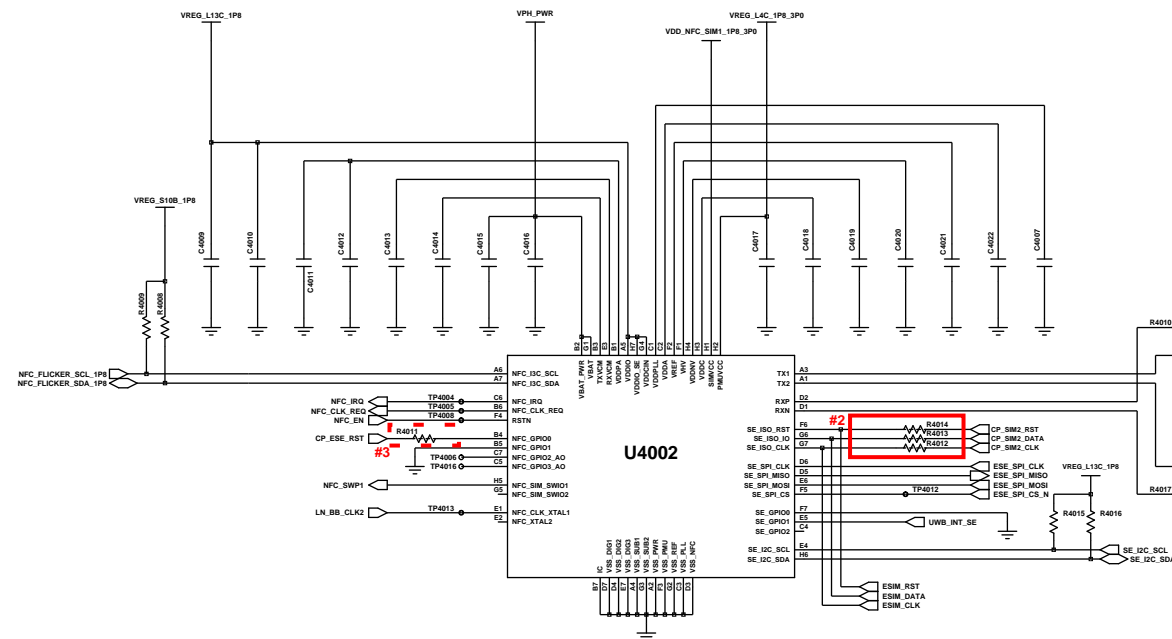
on MASTER PCB



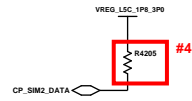
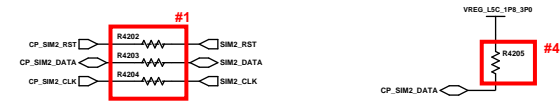
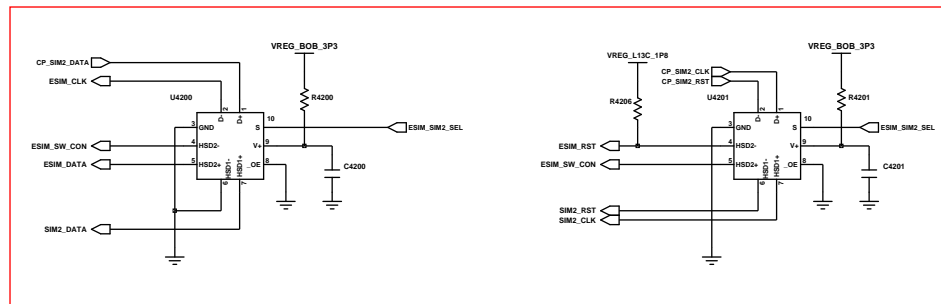
UWB Conn.

NFC

Power



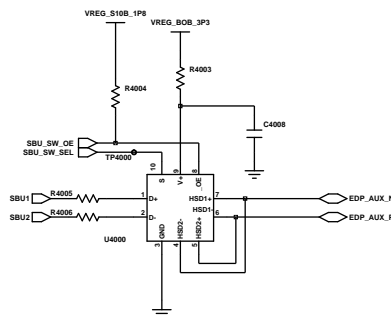
		NFC IC	#1	#2	#3	#4		Switch IC	ESIM_SIM2_SEL
NA	Nano + eSIM	SN220U	OPEN	SHORT	SHORT	20k		NC	
EUR/Global	2-Nano + eSIM	SN220U	OPEN	OPEN	SHORT	20k		SMD	HSD1(H)_SIM2 HSD2(L)_eSIM
CHN	2-Nano	SN220T	SHORT	OPEN	OPEN	20k		NC	
JPN	Nano	SN220F	OPEN	OPEN	OPEN	OPEN		NC	



System

on MASTER PCB

MOTOR DRV IC



AUX sw

MFC

Power

on MASTER PCB

MST Switch

Battery Connector

on MASTER PCB

SENSORS

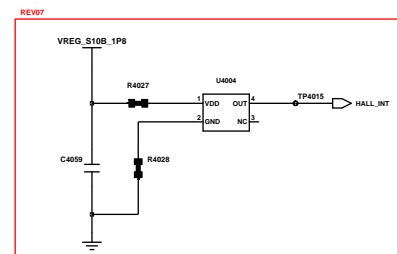
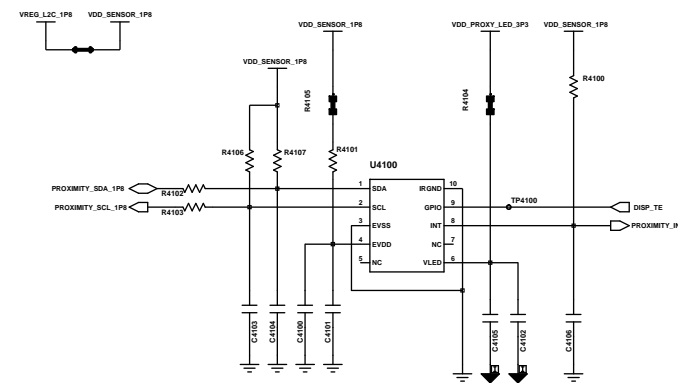
on MASTER PCB

Visual

Barometer SENSOR

6 Axis SENSOR (GYRO,ACCEL)

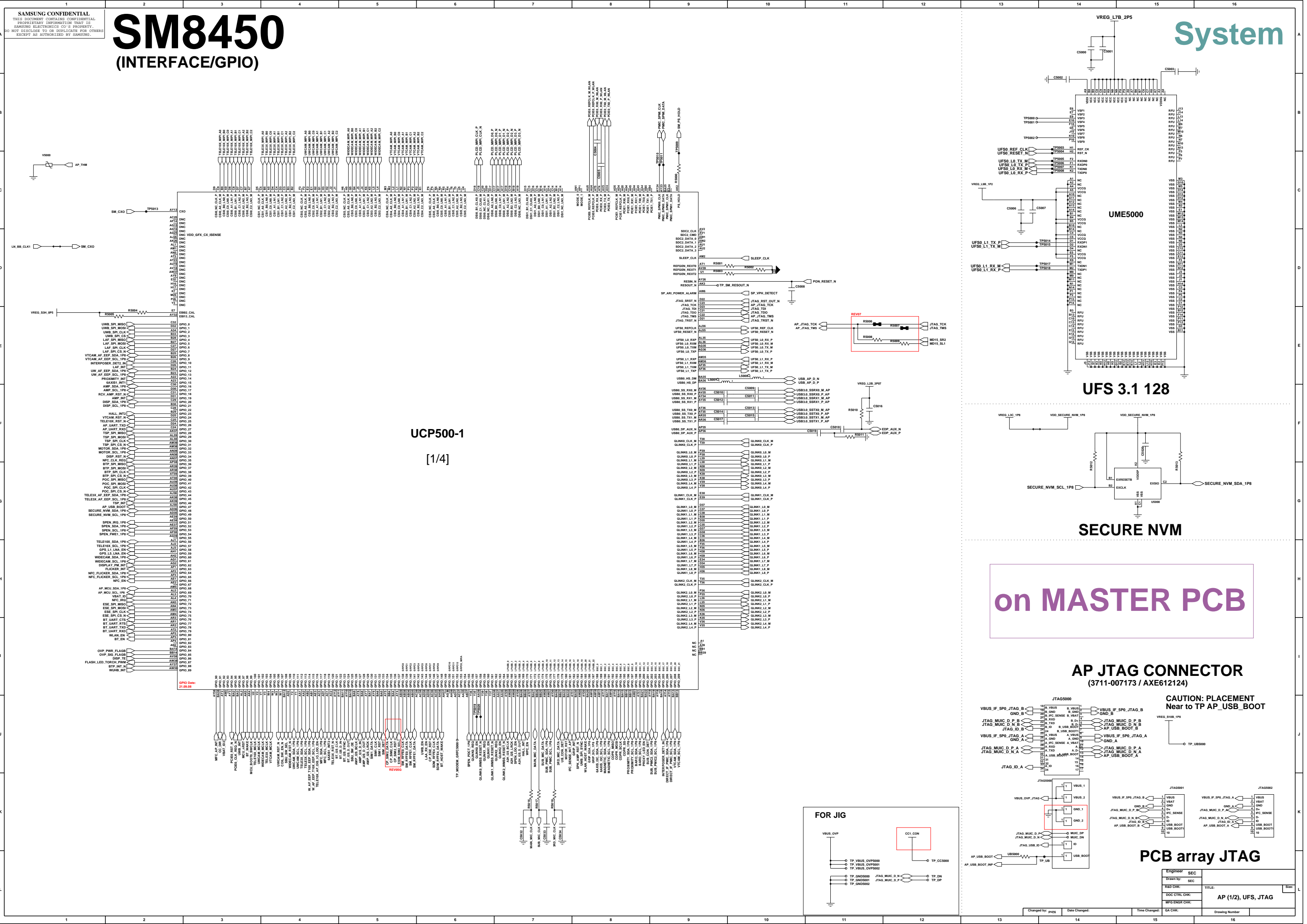
Magnetic SENSOR



COVER_DET HALL_IC

Grip Sensor (Upper side)

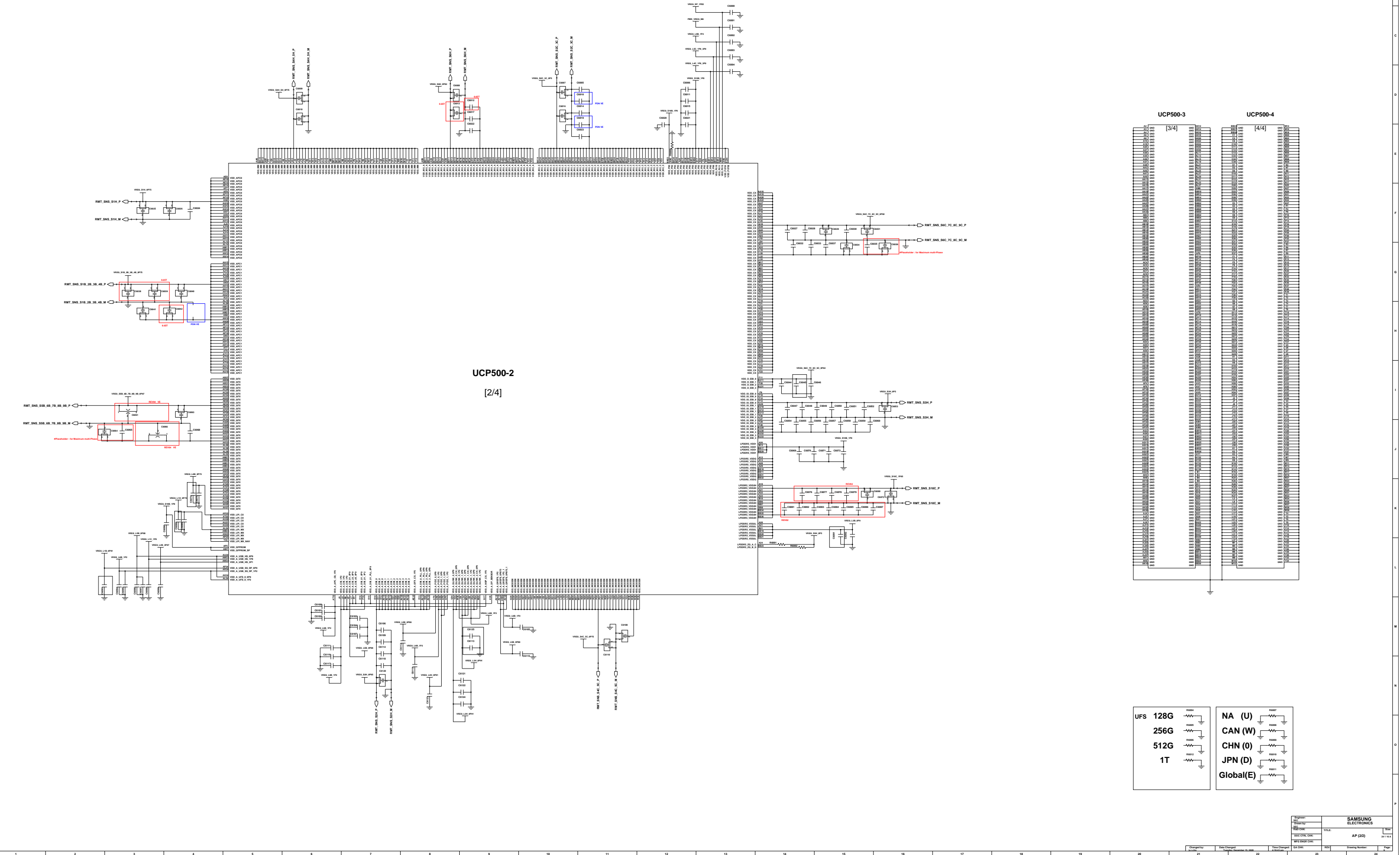
Proximeter/Ambient Light Sensor



SM8450

(POWER, GND)

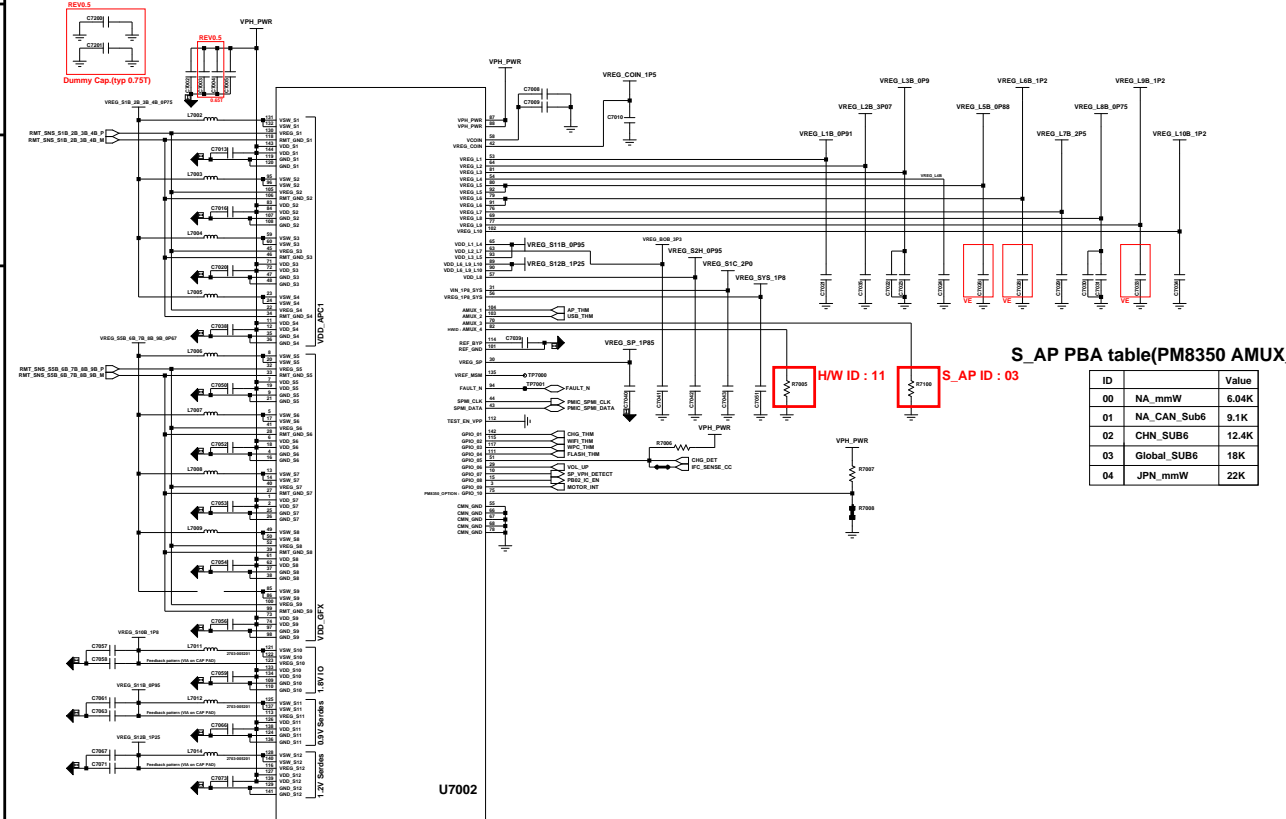
Power



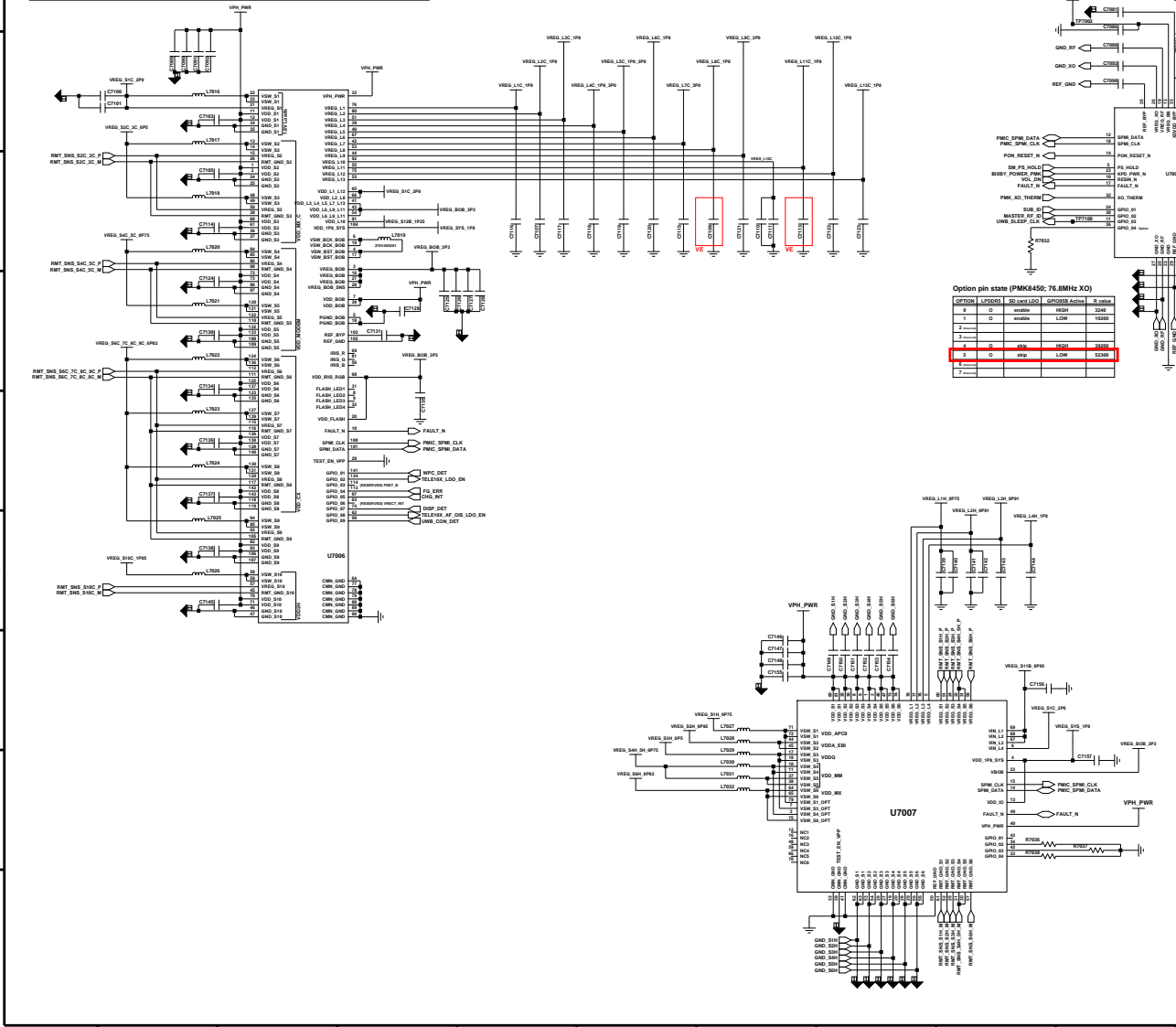
UFS 128G	NA (U)
256G	CAN (W)
512G	CHN (O)
1T	JPN (D)
	Global(E)

AP PMIC set & CLK Generator

!! CAUTION !!
Place Cin 10uF Bulk Caps at corner of PM8350 and as close to PM8350 as possible to achieve this requirement.



!! CAUTION !!
Place Cin 10uF Bulk Caps at corner of PM8350C and as close to PM8350C as possible to achieve this requirement.



Power System

H/W ID table(PM8350 AMUX_4)

HW ID	BOARD REVISION	Value	Mech
00	Next P SW bring-up A-Type	6.04K	
01	B0 QCOM REV0.0	9.1K	
02	SM-S908U REV0.1	12.4K	
03		18K	
04	SM-S908U REV0.2	22K	
05	SM-S908U REV0.3	30K	
06		39K	
07	SM-S908U REV0.4	47K	
08	SM-S908U REV0.5	56K	
09	SM-S908U REV0.5G	68K	
10	SM-S908U REV0.6 / 0.6A	82K	
11	SM-S908U REV0.7	100K	
12	SM-S908U REV0.7	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	

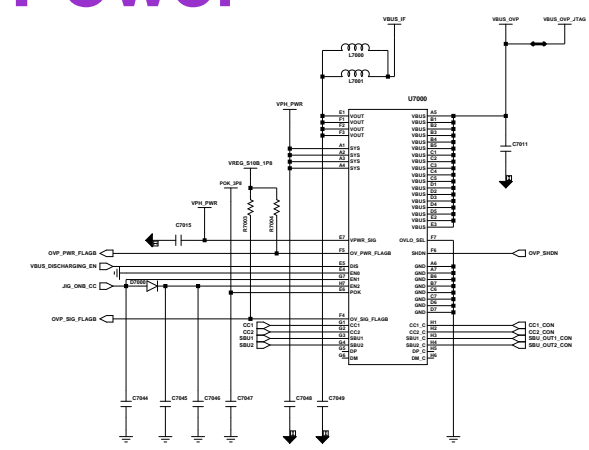
S AP PBA table(PM8350 AMUX_3)

ID	Value
00	NA_mmW
01	NA_CAN_Sub6
02	CHN_Sub6
03	Global_Sub6
04	JPN_mmW

Option pin state (PM83450; 76.8MHz XO)

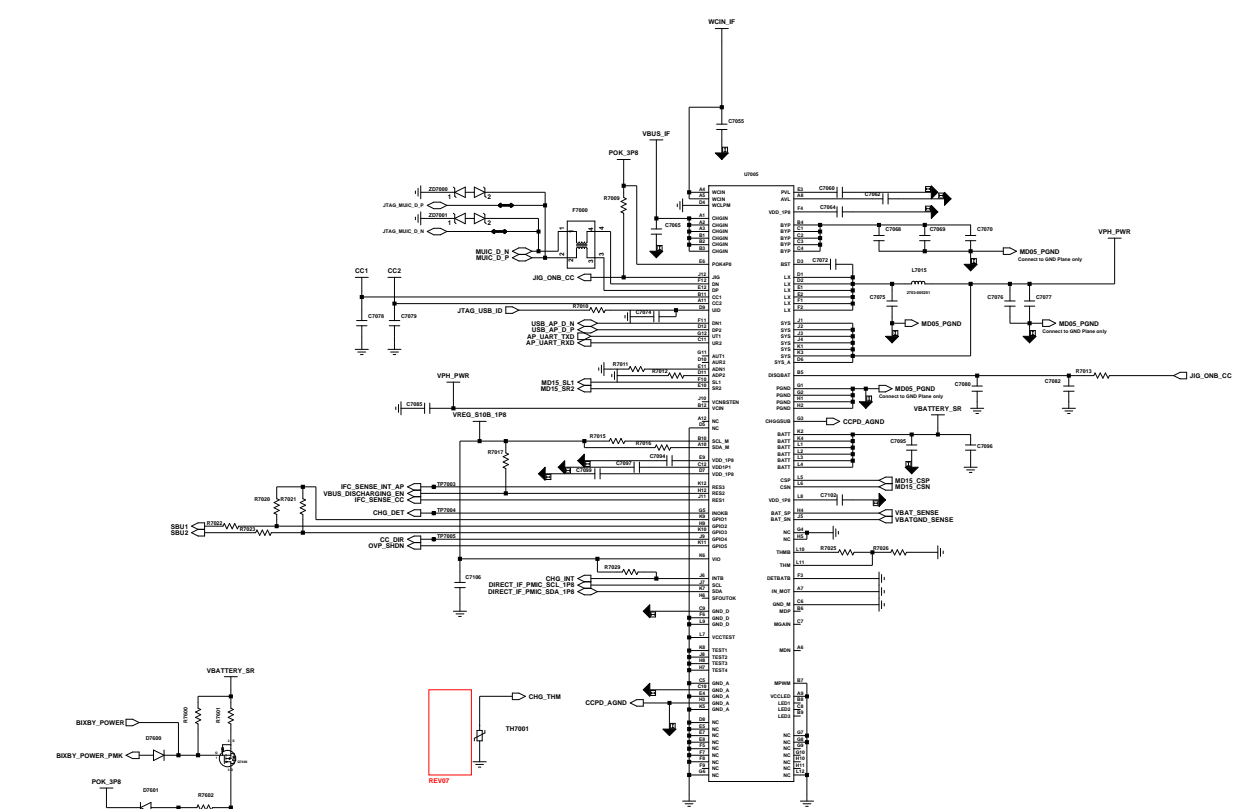
OPTION	OPTION	OPTION	OPTION
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4	0	LOW	LOW
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227	0	LOW	LOW
228	0	LOW	LOW
229	0	LOW	LOW
230	0	LOW	LOW
231	0	LOW	LOW
232	0	LOW	LOW
233	0	LOW	LOW
234	0	LOW	LOW
235	0	LOW	LOW
236	0	LOW	LOW
237	0	LOW	LOW
238	0	LOW	LOW
239	0	LOW	LOW
240	0	LOW	LOW
241	0	LOW	LOW
242	0	LOW	LOW
243	0	LOW	LOW
244	0	LOW	LOW
245	0	LOW	LOW
246	0	LOW	LOW
247	0	LOW	LOW
248	0	LOW	LOW
249	0	LOW	LOW
250	0	LOW	LOW
251	0	LOW	LOW
252	0	LOW	LOW
253	0	LOW	LOW
254	0	LOW	LOW
255	0	LOW	LOW

Power



OVP LS

Direct Charging



IF PMIC

Power Key

Vol key

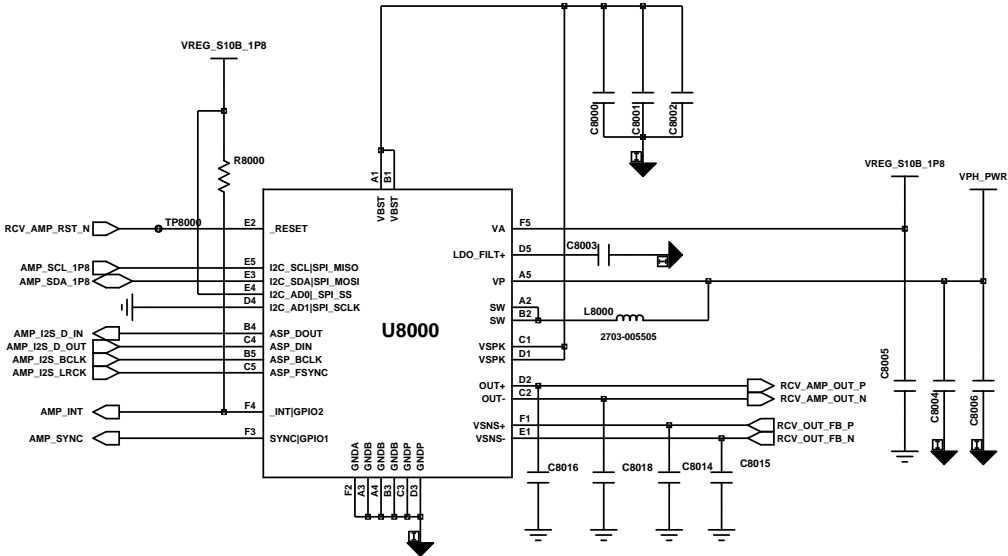
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AUDIO PART

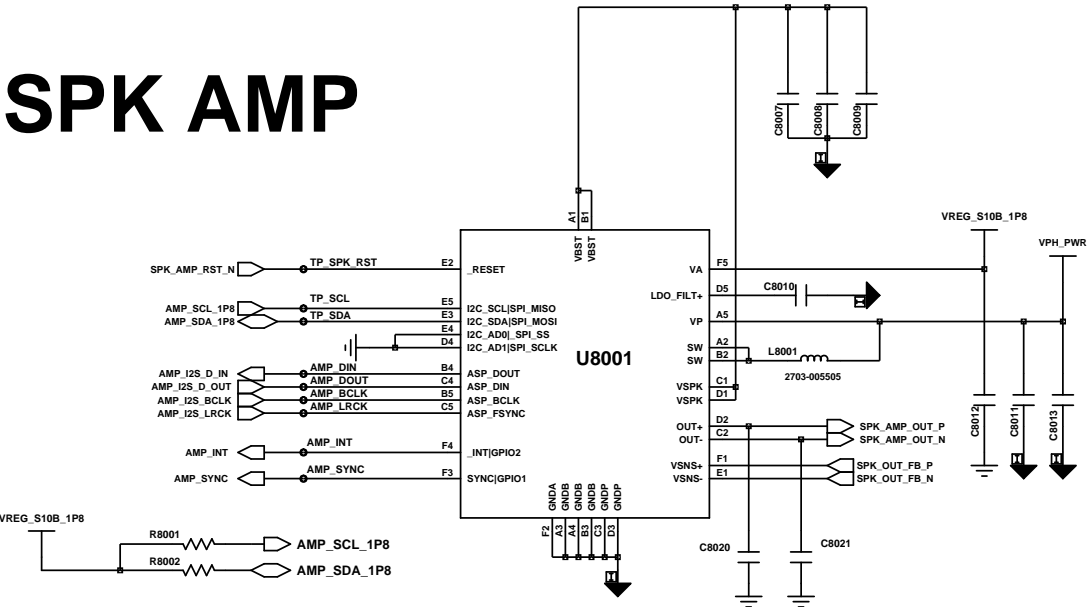
RCV Conn.

on MASTER PCB

RCV AMP



SPK AMP



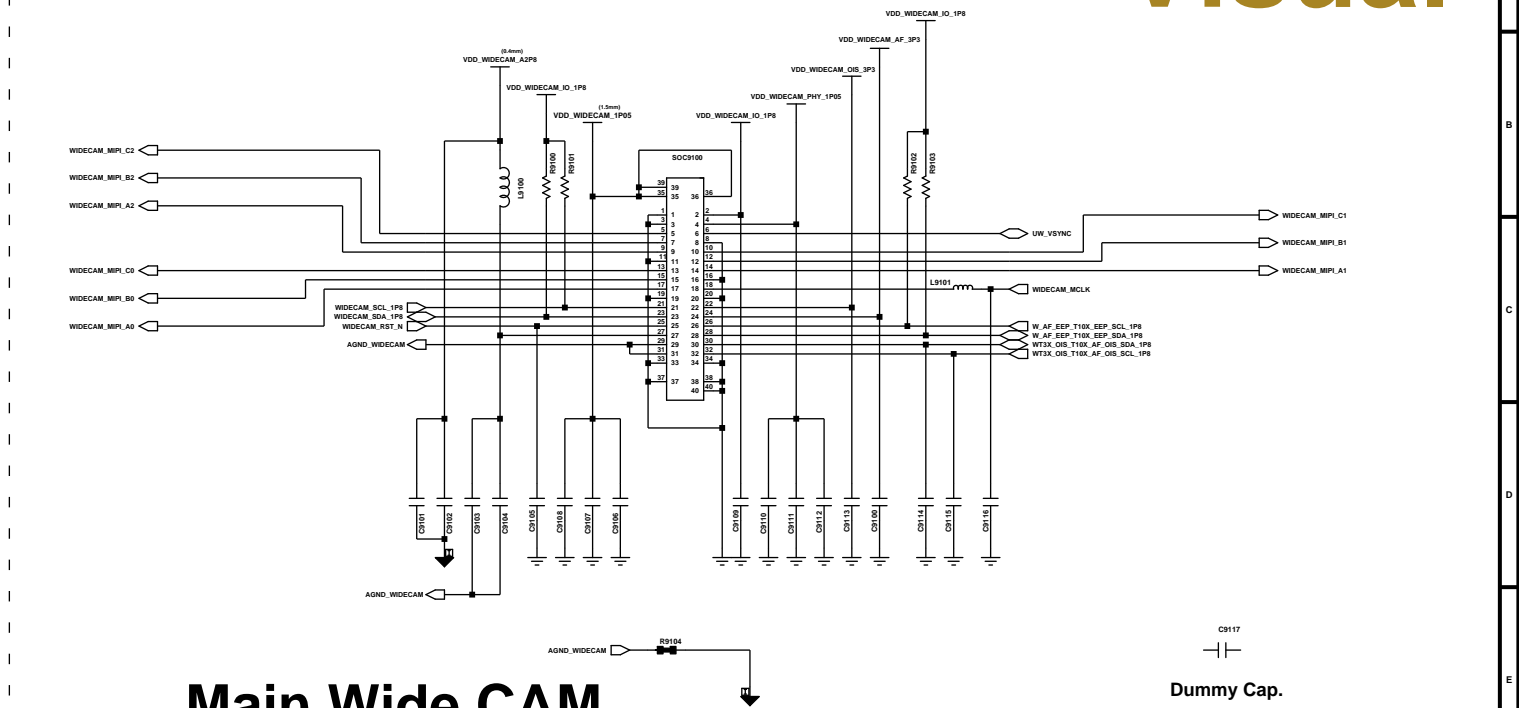
AUDIO

on MASTER PCB

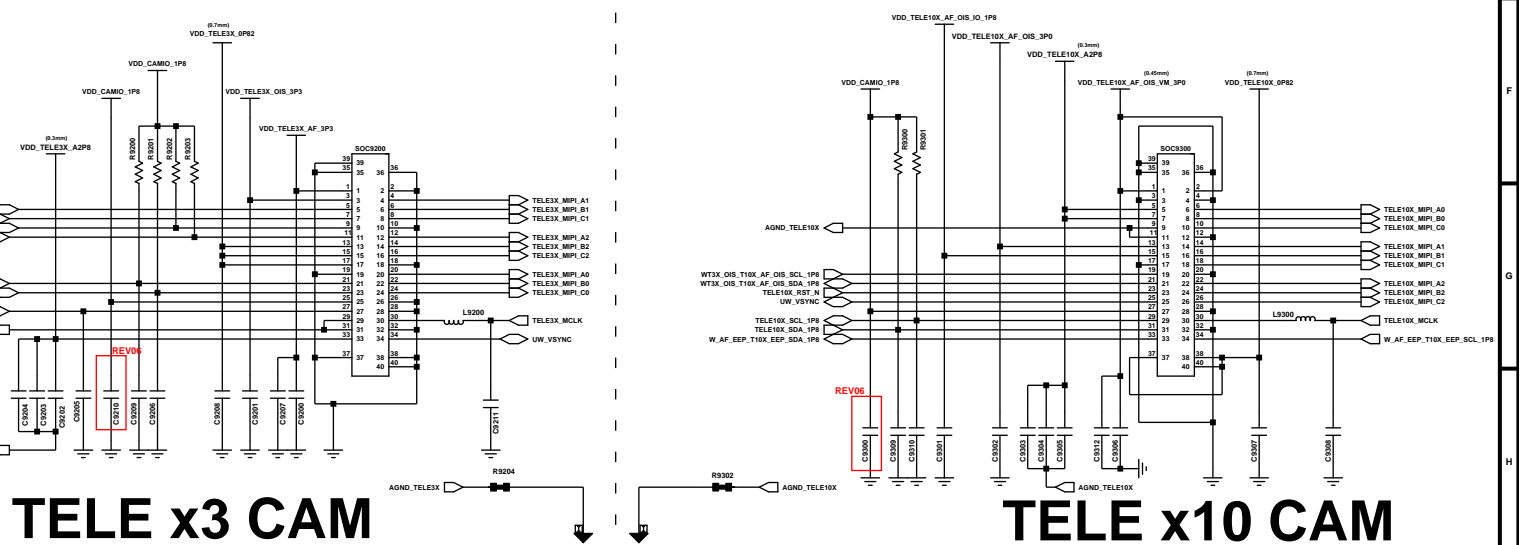
2nd MIC

3rd MIC

Engineer:	SEC	SAMSUNG ELECTRONICS	
Drawn by:	SEC		
R&D CHK:		TITLE:	Size:
DOC CYRL CHK:		Audio	1218A
MFG ENGR CHK:			
QA CHK:	REV	Drawing Number:	Page:



Main Wide CAM

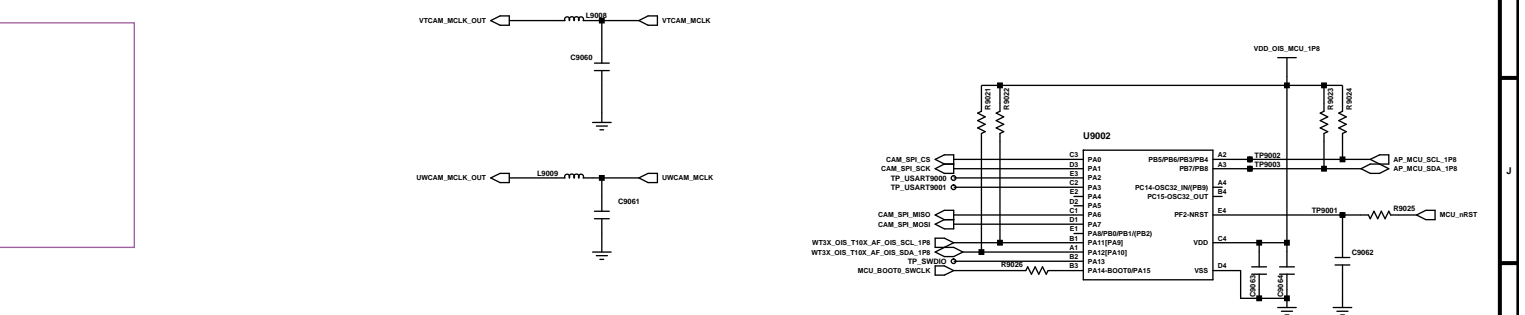


CAM PMIC2(PB03)

TELE x3 CAM

TELE x10 CAM

on MASTER PCB



ULTRA WIDE CAM CONN

FRONT CAM(40M SINGLE)

CAM MCU

NC

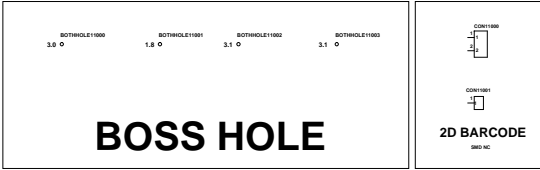


Radiation



mmW_ANT_CONN (Right)

Changed by: puz6	Date Changed:	Time Changed:	QA CHK:	REV:	Drawing Number:	Page: 13
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PLATED AREA

P110



INP 11001



SM-S908E Common

