

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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B																
C																
D																
E																
F																
G																
H																
I																
J																
K																
L																
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SM-G988U_M_REV0.5A

SM-G988U Common

2019.12.02

- sheet01 :
- sheet02 : RF (2/2)
- sheet03 : BT/WIFI, SIM
- sheet04 : SENSORS
- sheet05 : SM8250
- sheet06 : SM8250 POWER/GND, JTAG, UFS
- sheet07 : PM8250, PM8150C, PMK8002, IF PMIC, OVP LS
- sheet08 : AUDIO
- sheet09 : CAMERA
- sheet10 : PMX55, SMR526
- sheet11 : SDX55M(5G MODEM)
- sheet15 : INTERPOSER LEFT
- sheet13 : INTERPOSER RIGHT

Engineer:			
Drawn by:			
RDG CHK:	TITLE:		Size: A1
DOC CTRL CHK:			
MFG ENGR CHK:			
Changed by: jess3	Date Changed:	Time Changed:	DA CHK: REV: Drawing Number: Page: 8

IF_SUB

MAIN ANT

Miscellaneous

For current measures

MAIN1-1 ANT

MAIN1-2 ANT**MAIN4 ANT**

MAIN2 ANT

MAIN3 ANT

Main1(LM) ANT X-GND Flange

X-GND

2G_PA

THERMISTER

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

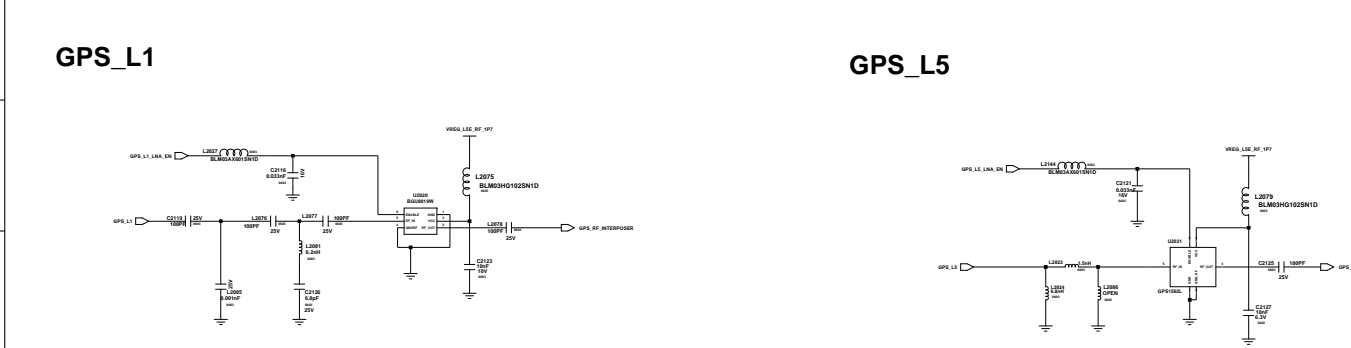
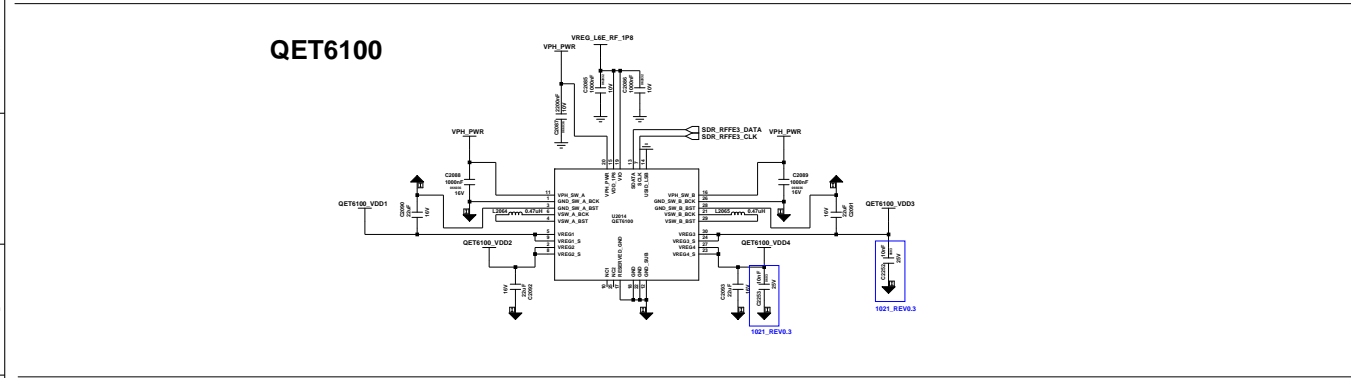
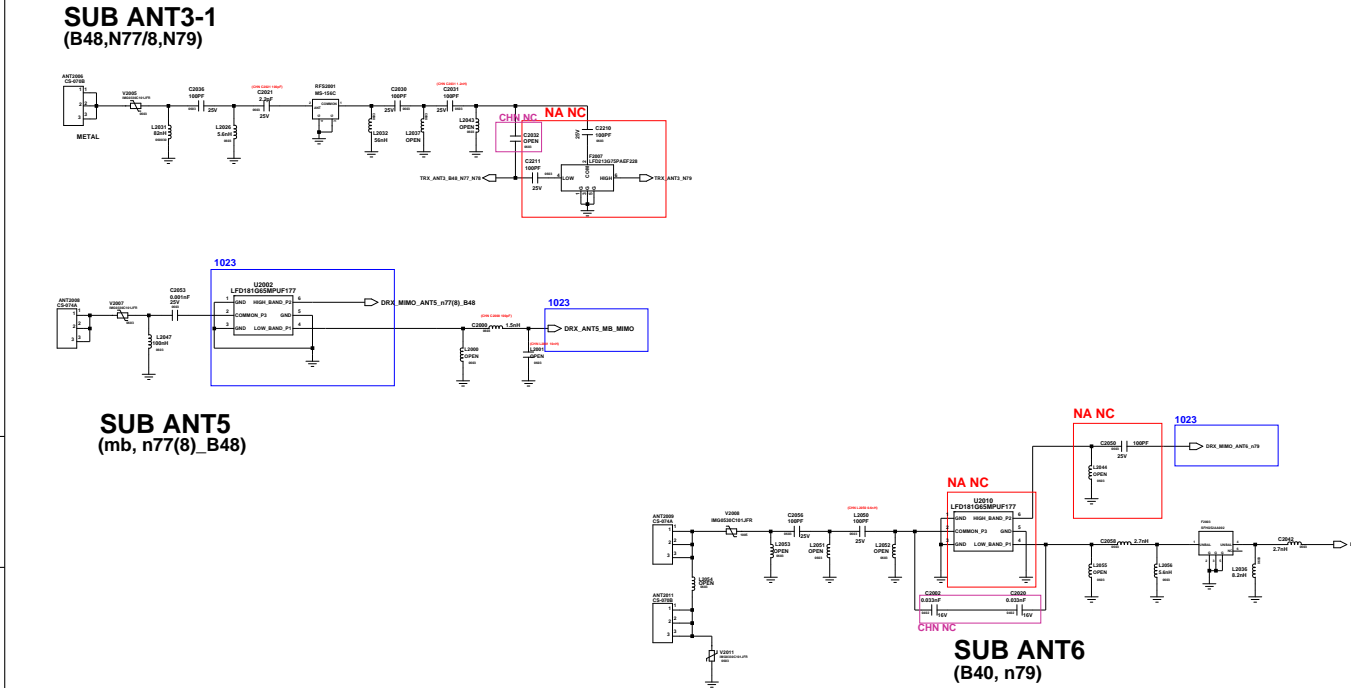
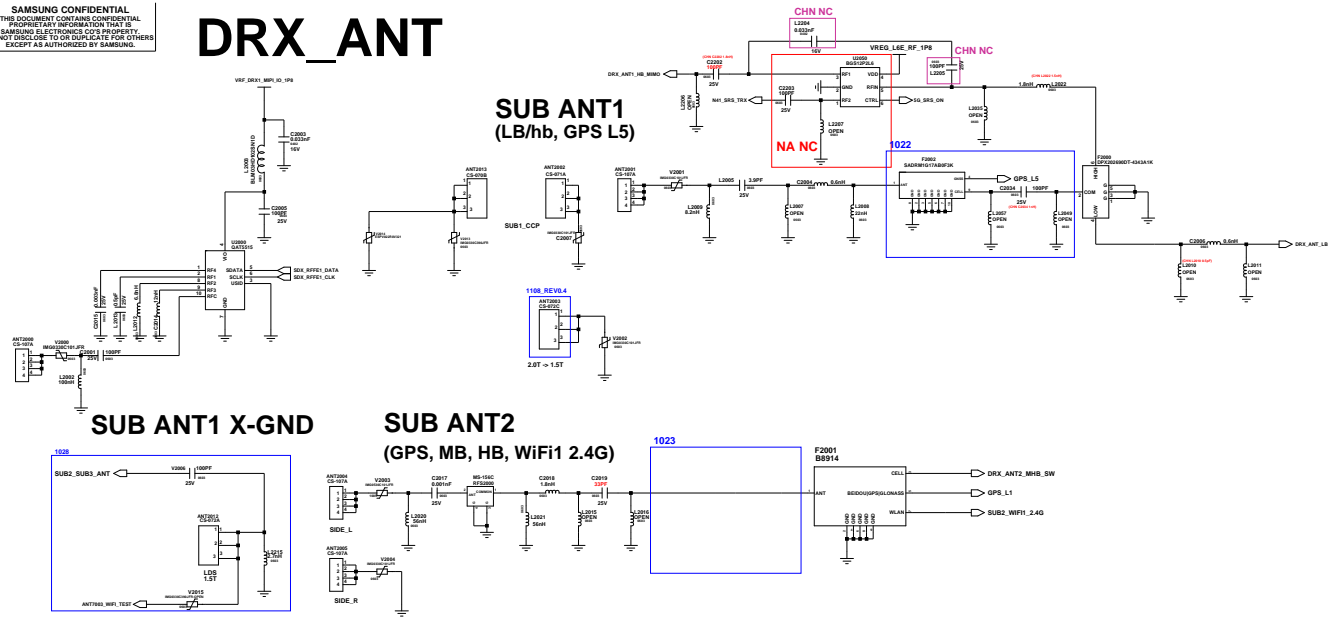
OMH LPAMID
(B1/2/3/4/7/25/30/34/38/39/40/41/66, G1800/1900, BC1)

UHB
(B48, n77/78/79)

ET Modulator(QET5100#0)

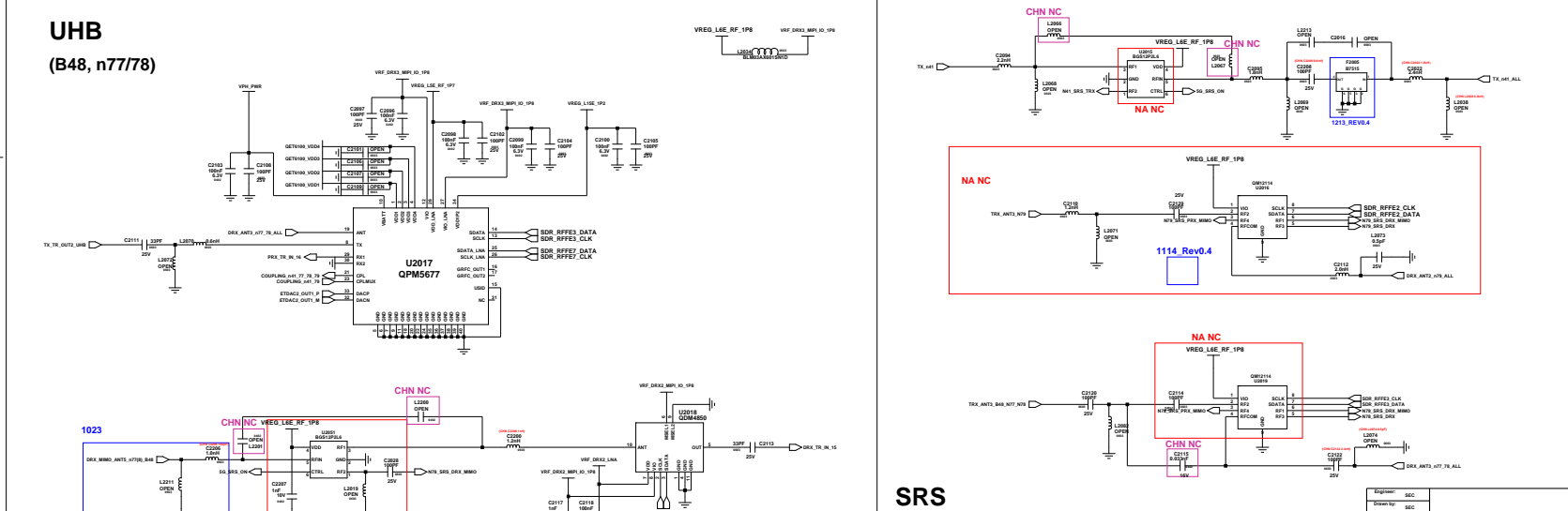
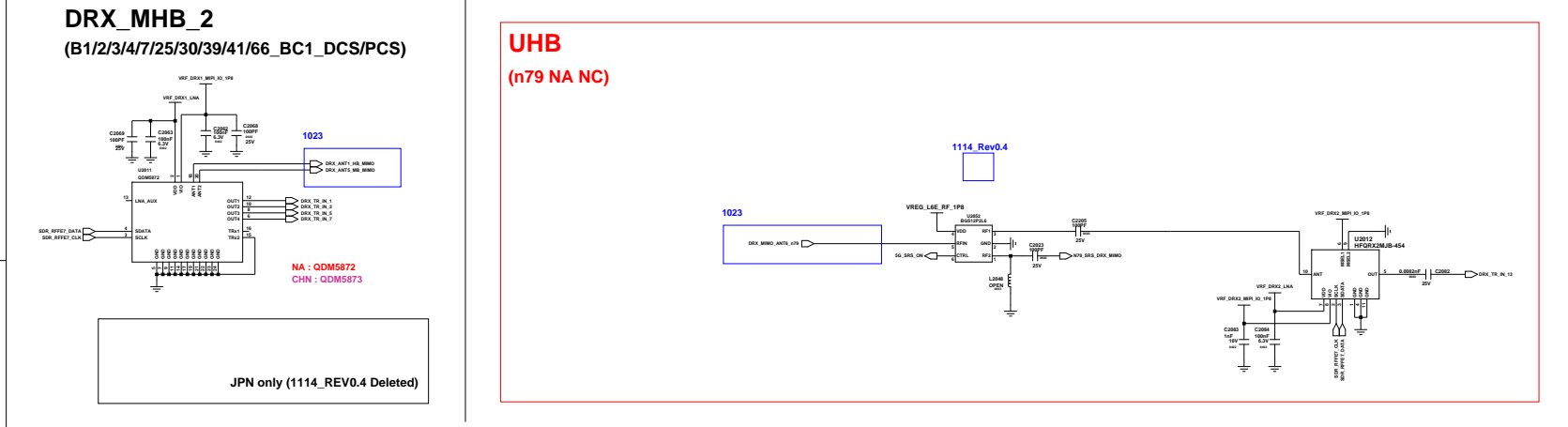
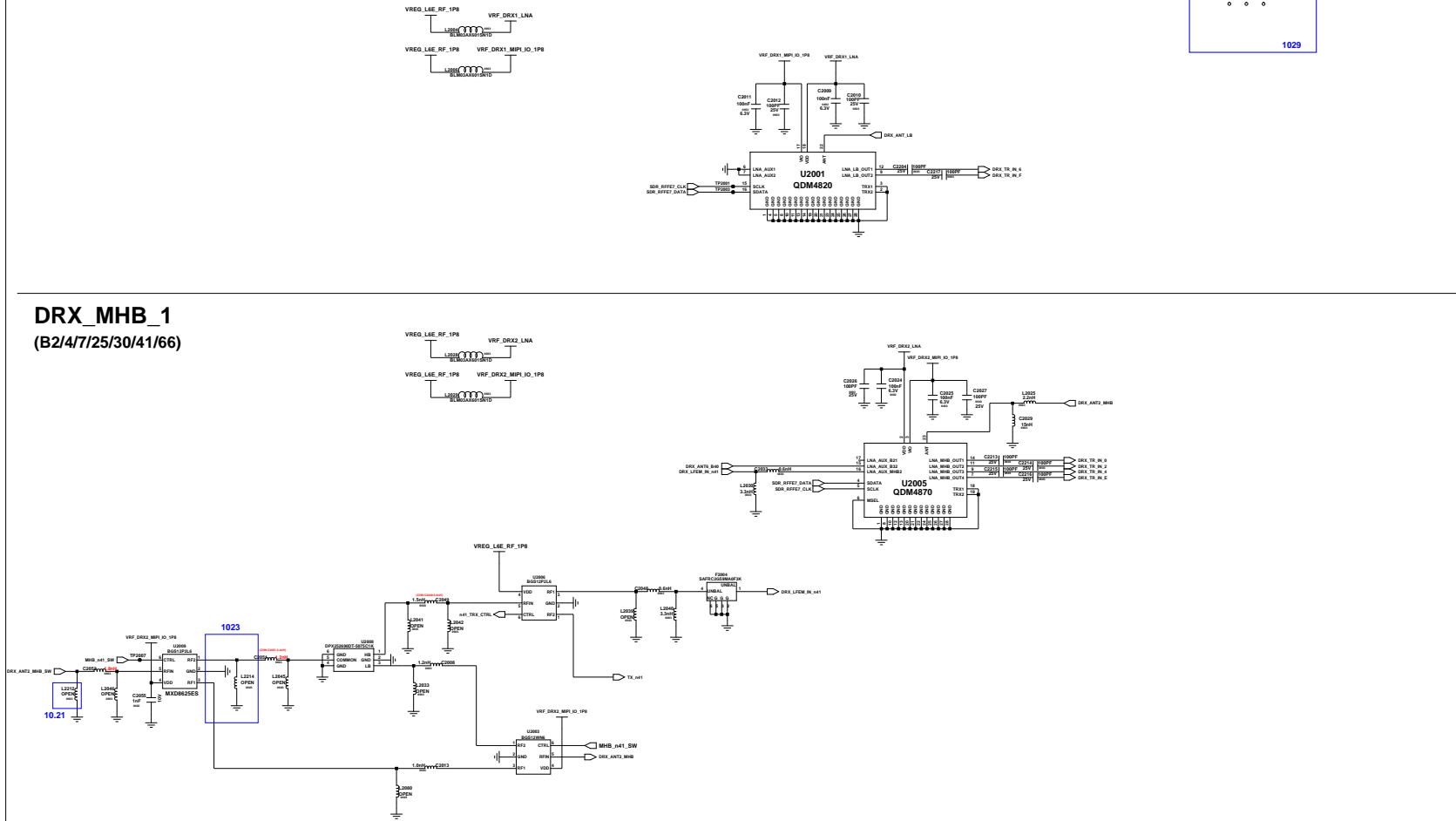
ET Modulator(QET5100#1)

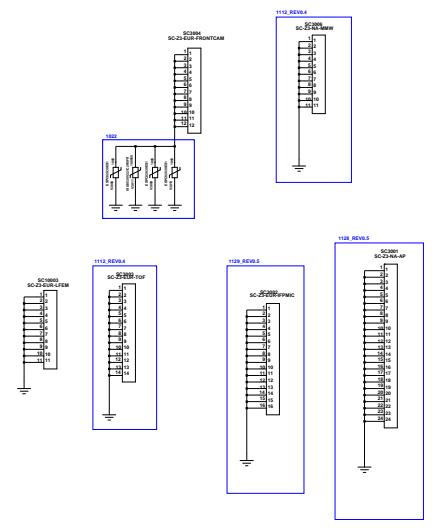
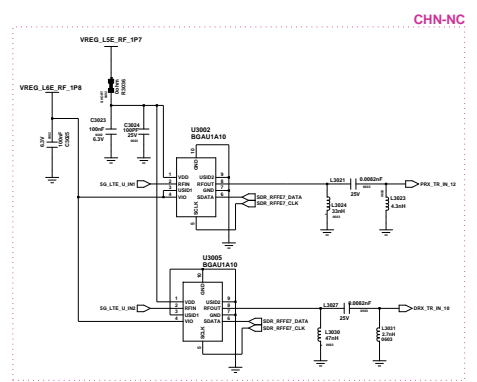
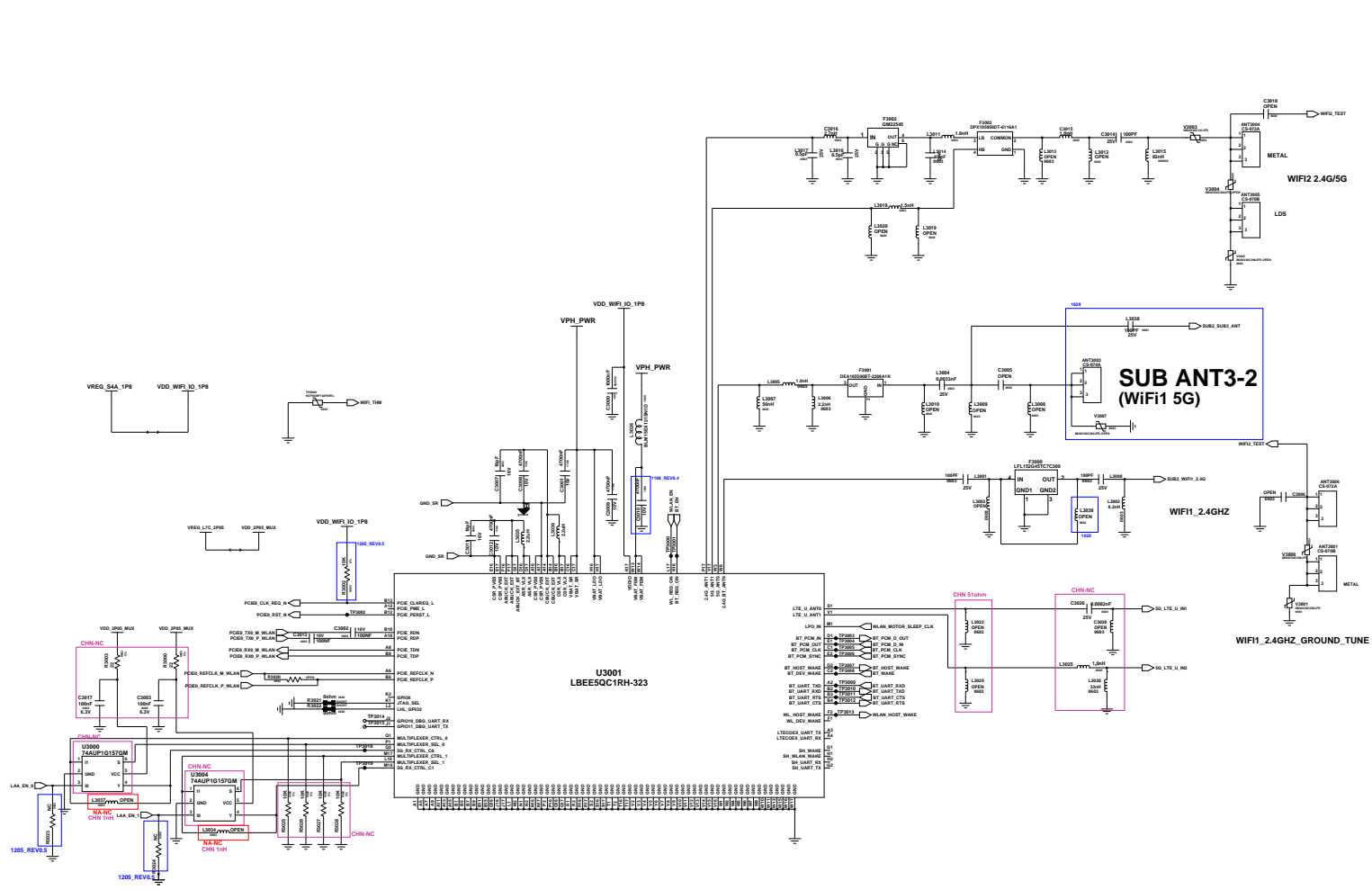
DRX_ANT



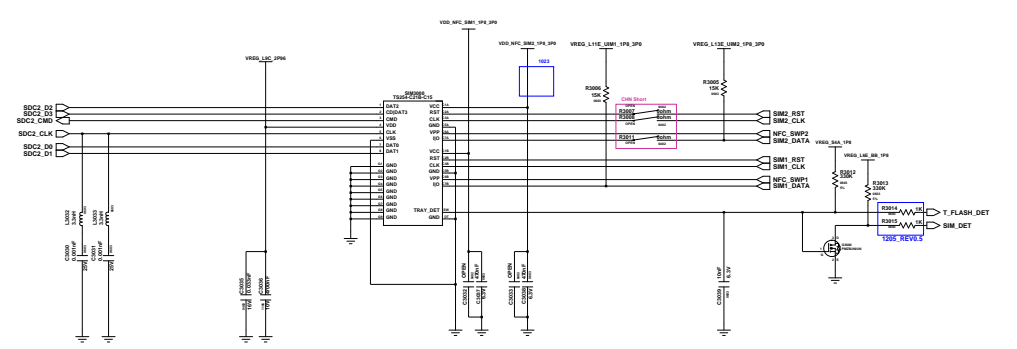
DRX_LB

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



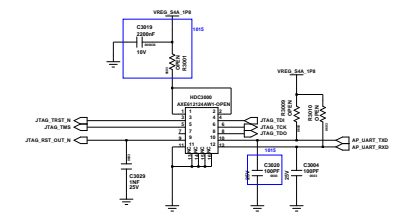
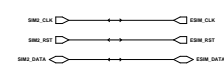


BT/WiFi

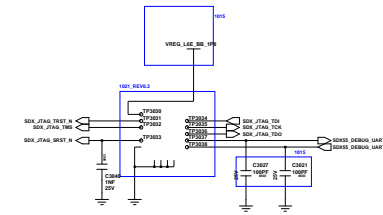


SIM & SD SOCKET

e-SIM



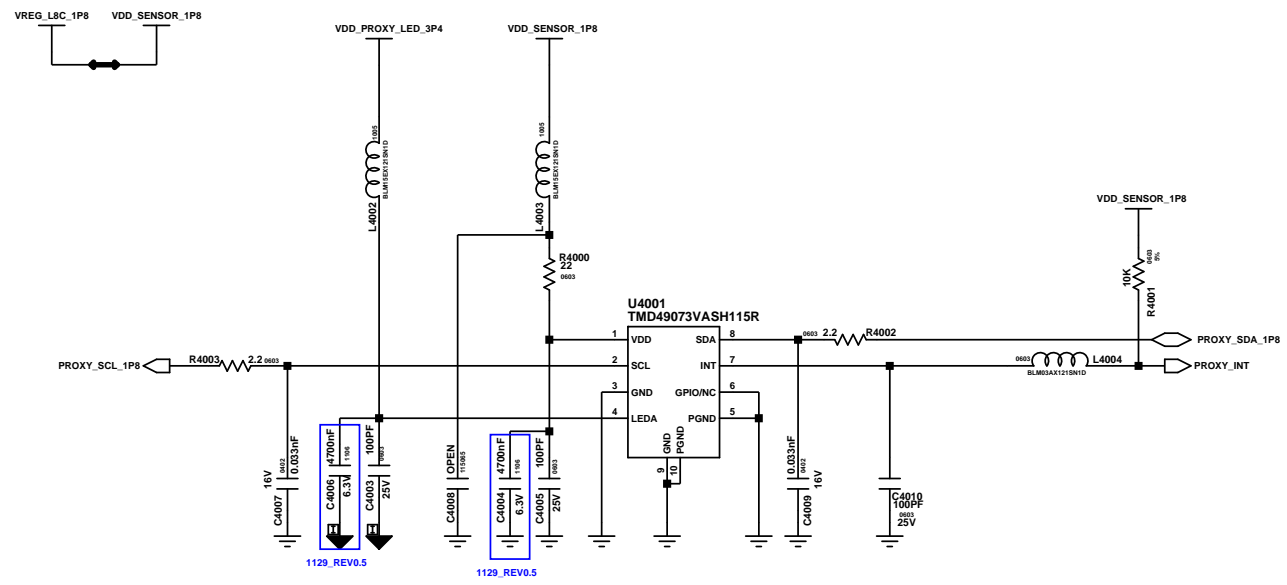
AP JTAG CONNECTOR



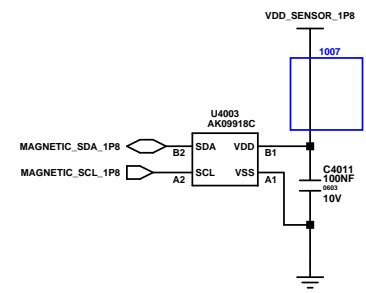
CP JTAG CONNECTOR

SENSORS

Certify_HALL_IC

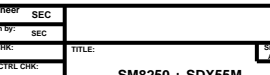
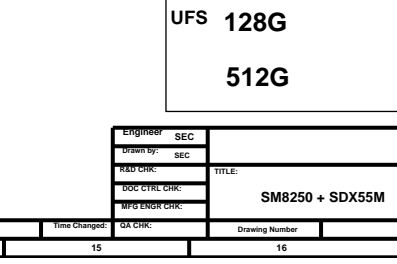
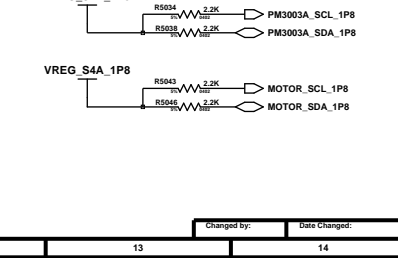
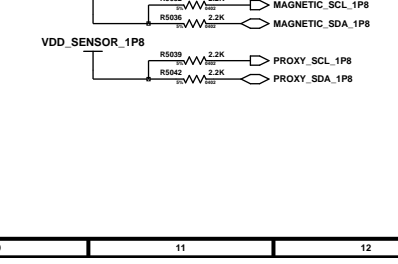
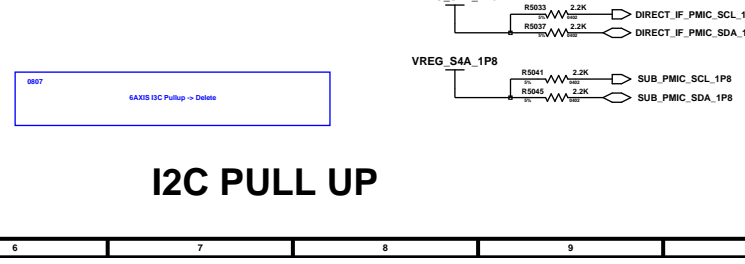
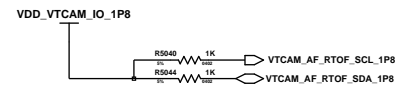
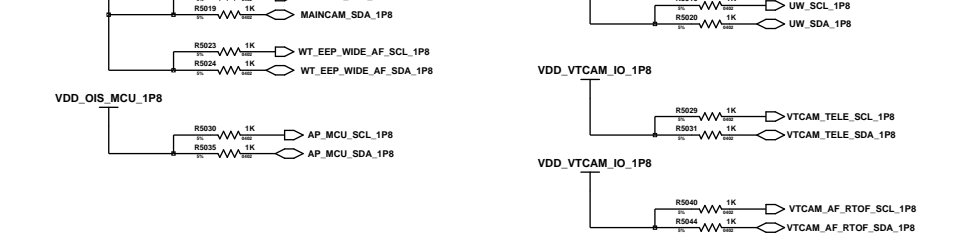


Proximeter/Ambient Light Sensor

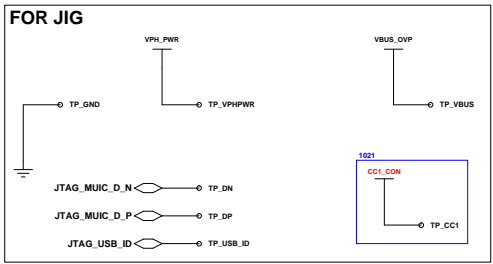


Magnetic SENSOR

0807
!! WARNING placement !!
ACL_FLM TP Must be placed nearby PROX sensor



(POWER & DeCAP)



PCB array JTAG

Engineer:	SEC		
Drawn by:	SEC		
R&D CHK:		TITLE:	Size: A1
DOC CTRL CHK:		SM8250 + SDX55M	
MFG ENGR CHK:			
QA CHK:		REV:	Page:
		Drawing Number:	



HW ID	BOARD REVISION	Value	Mech
00	SM8250+SDX55M Bring-up	6.04K	
01	QCA6390 Bring-up Rev0.3	9.1K	
02		12.4K	
03		18K	
04		22K	
05		30K	
06		39K	
07	SM-G988U (Real) Rev0.0 DV1	47K	
08	SM-G988U (Real) Rev0.1 DV2	56K	
09	SM-G988U (Real) Rev0.2 DVR	68K	
10		82K	
11		100K	
12	SM-G988U Rev0.3 PV1	120K	
13	SM-G988U Rev0.4 PV2	150K	
14	SM-G988U Rev0.5 PVR	180K	
15		200K	
16		240K	
17		280K	
18		330K	
19		430K	
20		560K	
21		750K	
22		1000K	
23		1500K	
24		3000K	



ESD PORON

BOSS HOLE

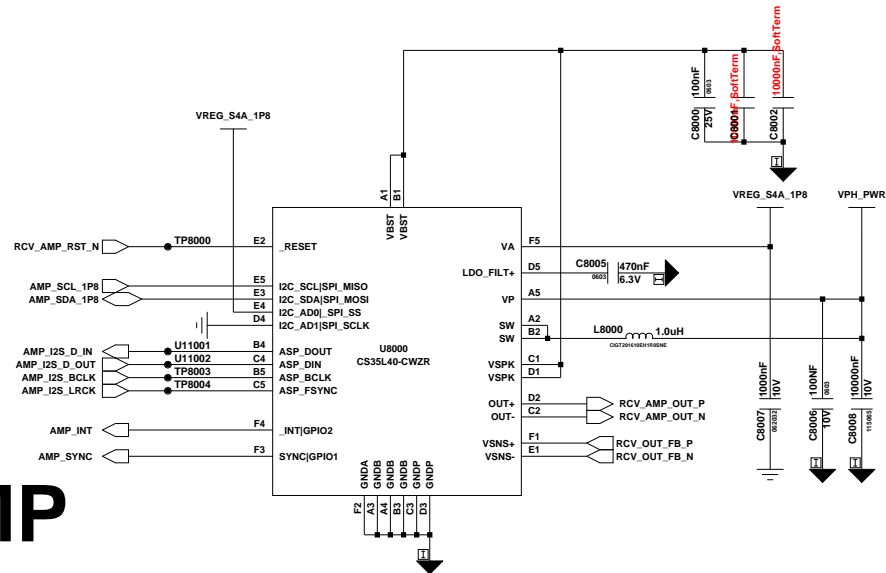
MOTOR DRV IC
(placed on Slave PCB)



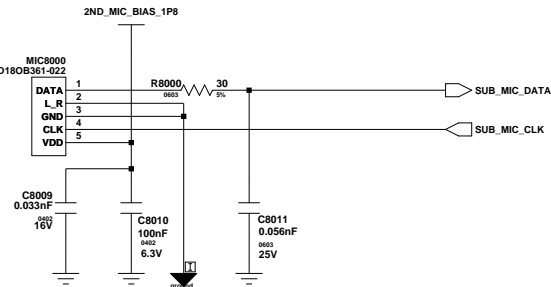
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AUDIO PART

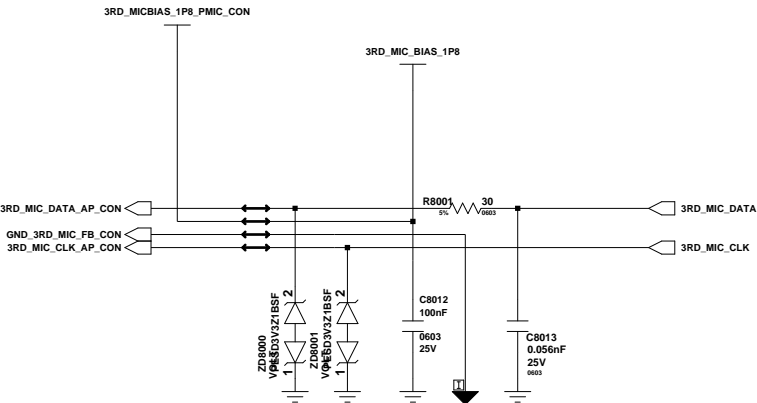
RCV AMP



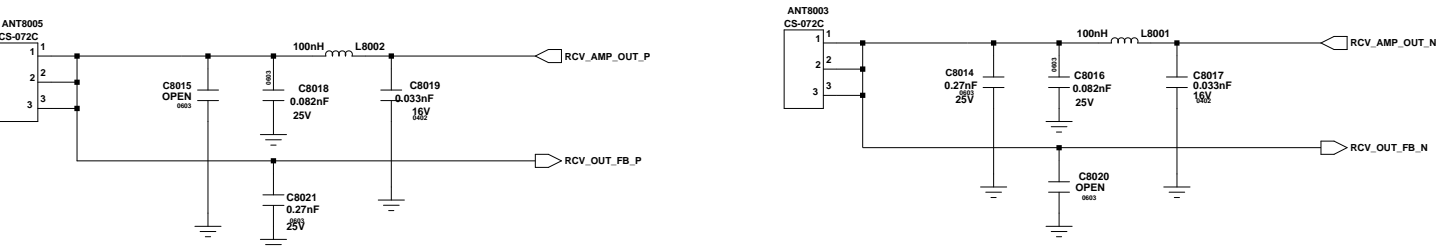
2nd MIC



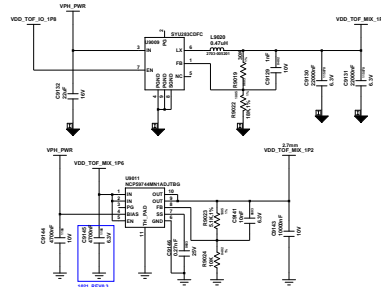
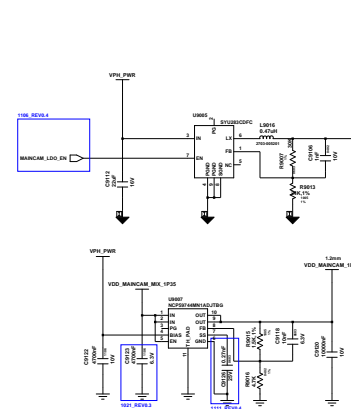
3RD MIC



RCV CONTACT



Engineer:	SEC	SAMSUNG ELECTRONICS	
Drawn by:	SEC		
R&D CHK:		TITLE:	Size: A2
DOC CTRL CHK:		SM8250 + SDX55M	12 1 8 A
MFG ENGR CHK:		REV:	



TOF CAM POWER

MAIN (WIDE) CAM

TELE CAM



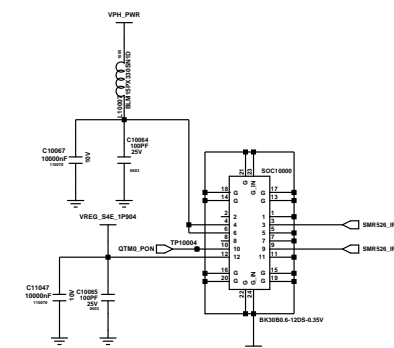


HW ID	BOARD REVISION	Value	Mech
00	SM8250+SDX55M Bring-up	6.04K	
01	QCA6390 Bring-up Rev0.3	9.1K	
02		12.4K	
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07	SM-G988U (Real) Rev0.0 DV1	47K	
08	SM-G988U (Real) Rev0.1 DV2	56K	
09	SM-G988U (Real) Rev0.2 DVR	68K	
10		82K	
11		100K	
12	SM-G988U Rev0.3 PV1	120K	
13	SM-G988U Rev0.3 PV1 (QAT5515)	150K	
14	SM-G988U Rev0.4 PV2	180K	
15	SM-G988U Rev0.5 PVR	200K	
16		240K	
17		280K	
18		330K	
19		430K	
20		560K	
21		750K	
22		1000K	
23		1500K	
24		3000K	

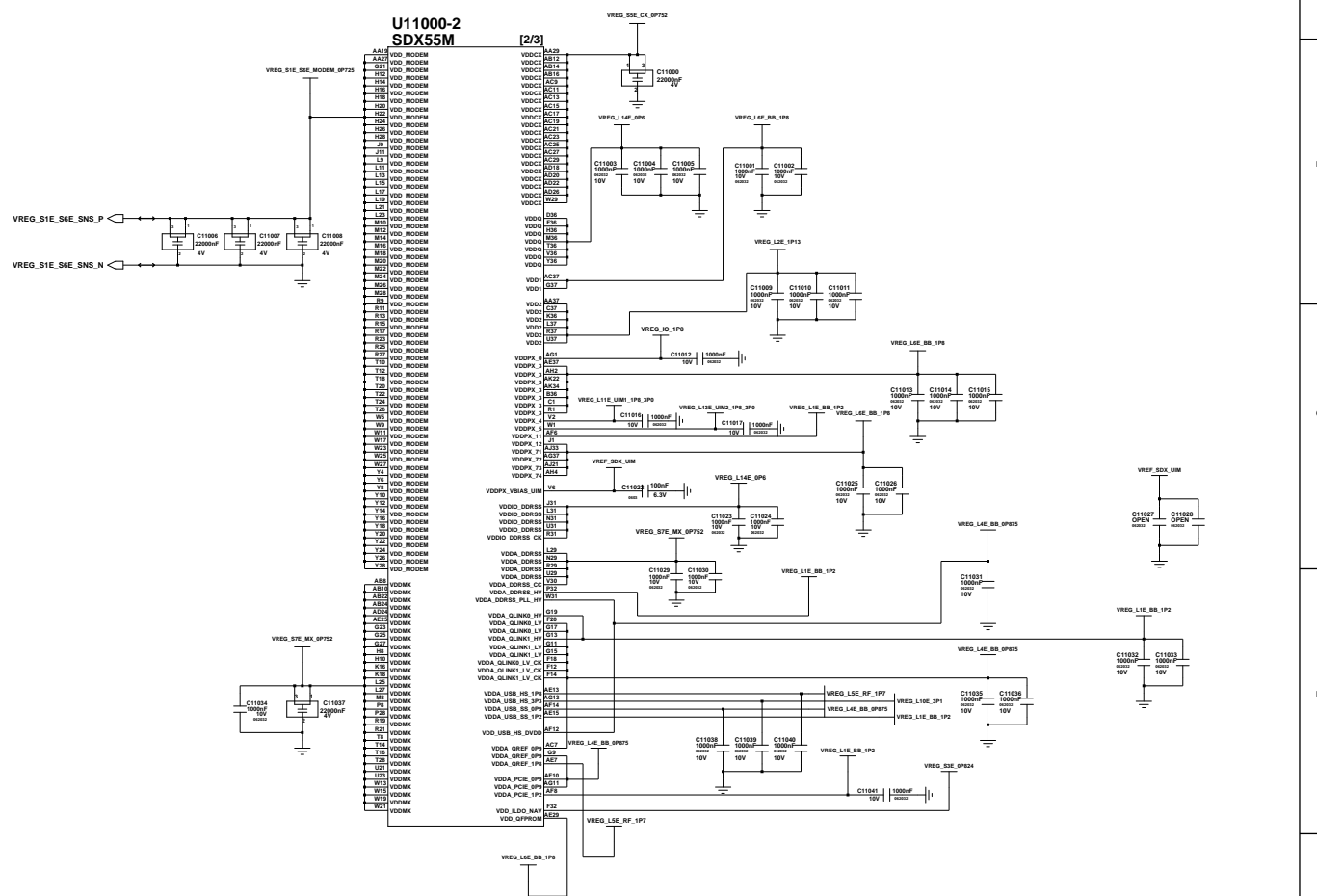
SLAVE_TYPE	
	ADC
NA_Sub6_mmW	68K
NA_LTE	100K
CHN_Sub6	150K
CHN_LTE	200K
JPN_Sub6_mmW	280K
JPN_LTE	430K
MEA_mmW	750K
MEA_LTE	1500K

5G CP H/W ID : 15

5G IFIC

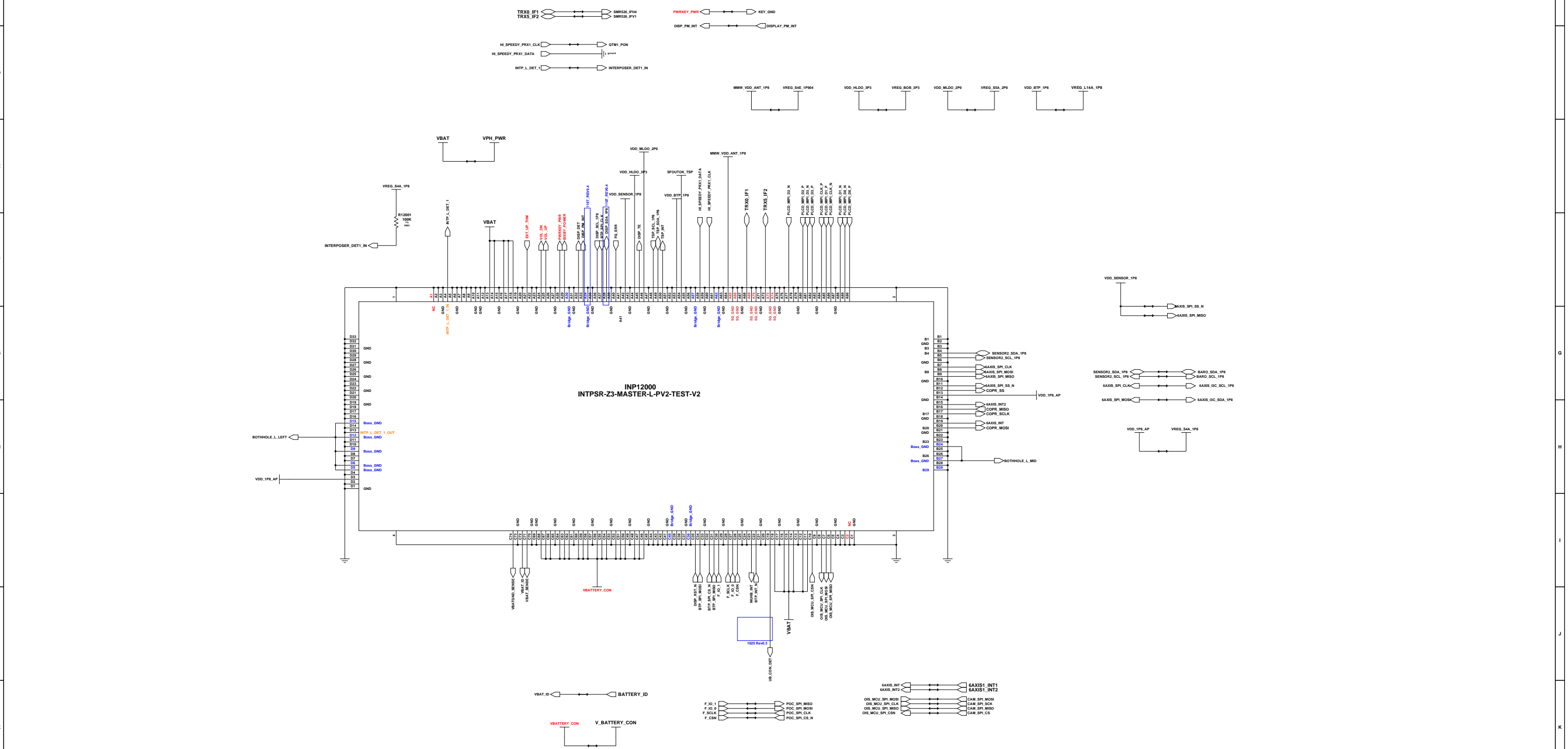


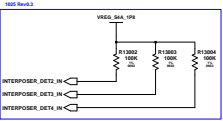
Engineer: SEC	<div>SAMSUNG ELECTRONICS</div>		
Drawn by: SEC			
R&D CHK:	TITLE:	Size: 11	
DOC CTRL CHK:	<div>SM8250 + SDX55M</div>		
MFG ENGR CHK:			
d: QA CHK:	REV:	Drawing Number:	Page:

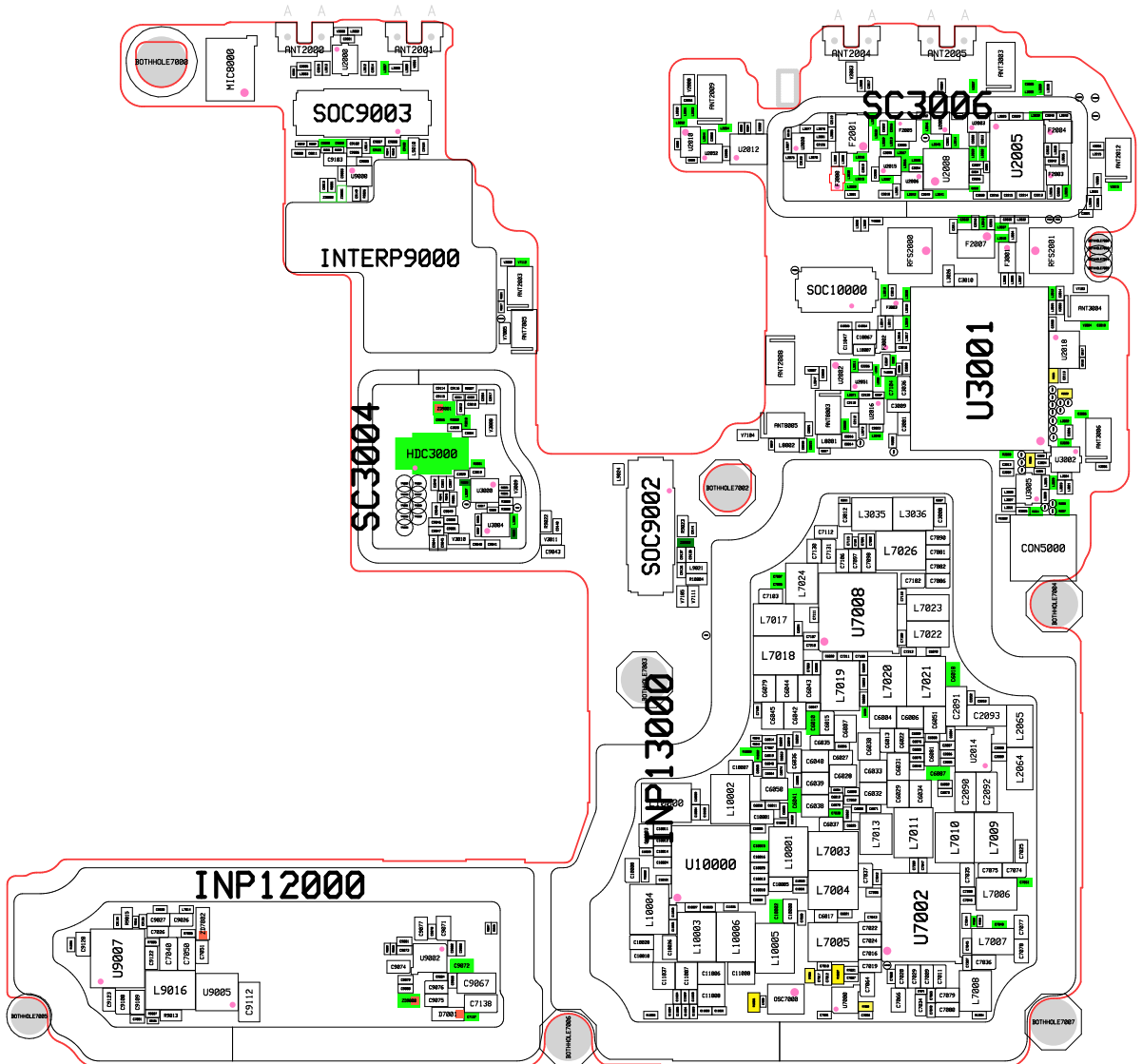


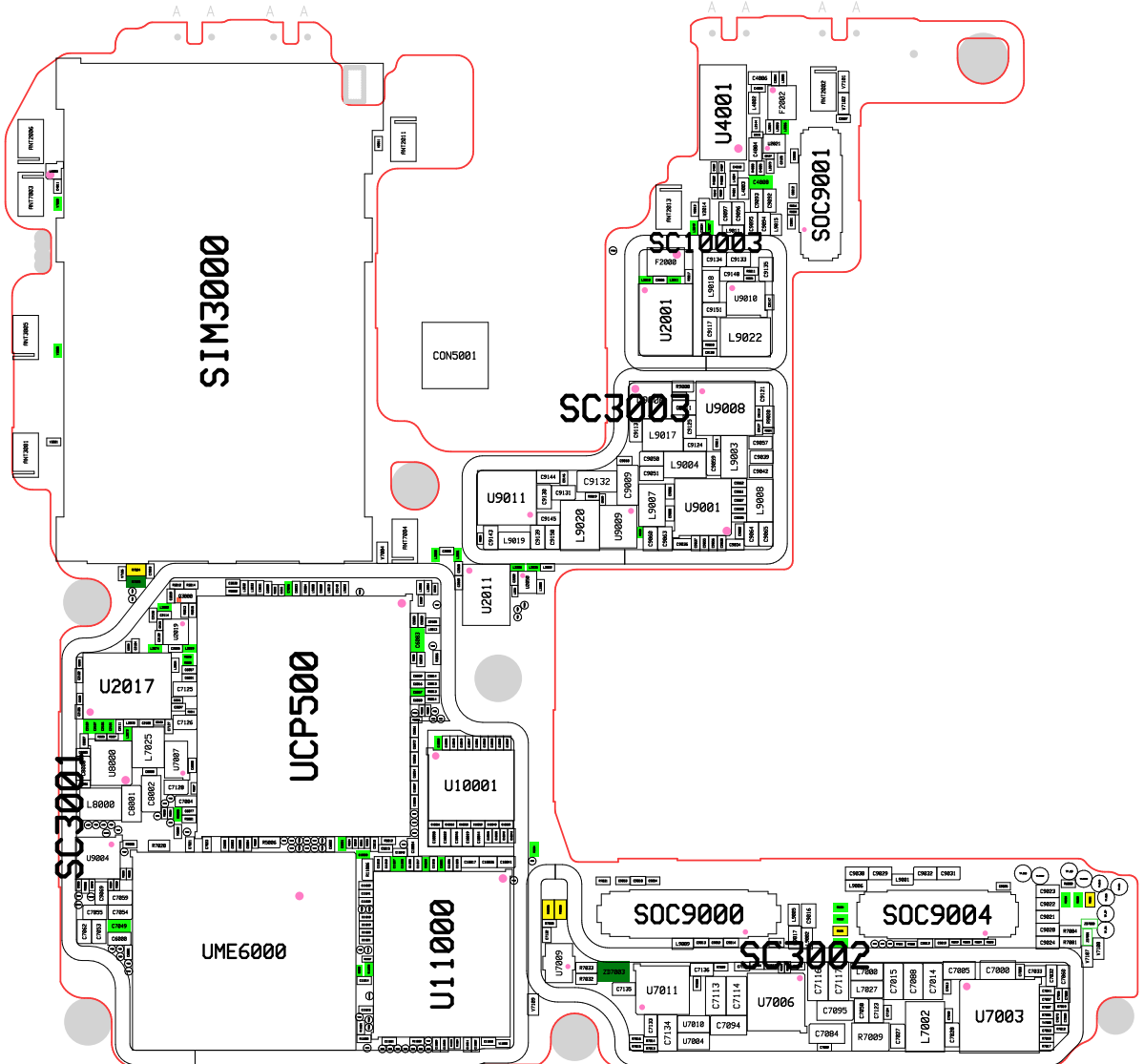
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and	Thursday, December 1, 2022	3:17:21 pm				11

SLAVE_L_PCB INTERPOSER PIN





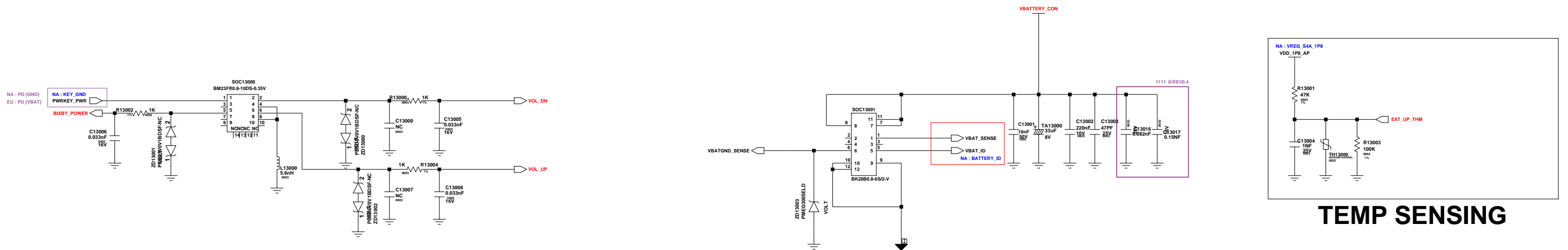




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																B
																C
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																E
																F
																G
																H
																I
																J
																K
																L
<div><div><div>Engineer:</div><div>Drawn by:</div><div>RDG CHR:</div><div>DOC CTRL CHR:</div><div>MFG ENGR CHR:</div></div><div><div>Changed by: jess31</div><div>Date Changed:</div><div>Time Changed:</div><div>QA CHR:</div></div><div><div>REV</div><div>Drawing Number:</div><div>Page: 6</div></div><div><div>TITLE:</div><div>Size: A1</div></div></div>																L
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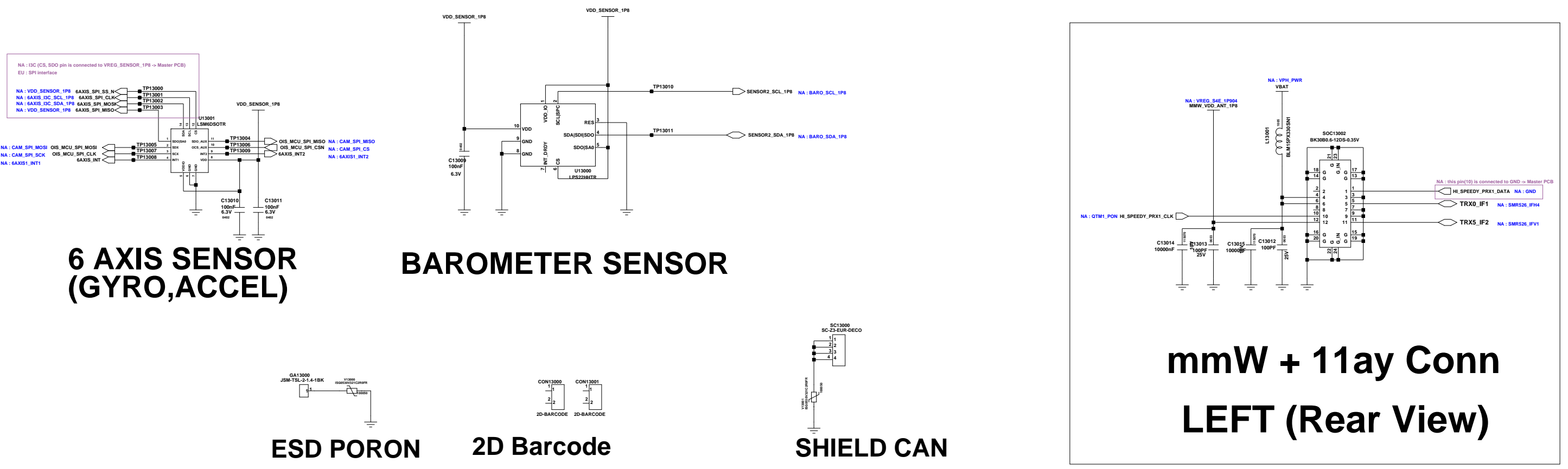
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SENSOR & BATTERY



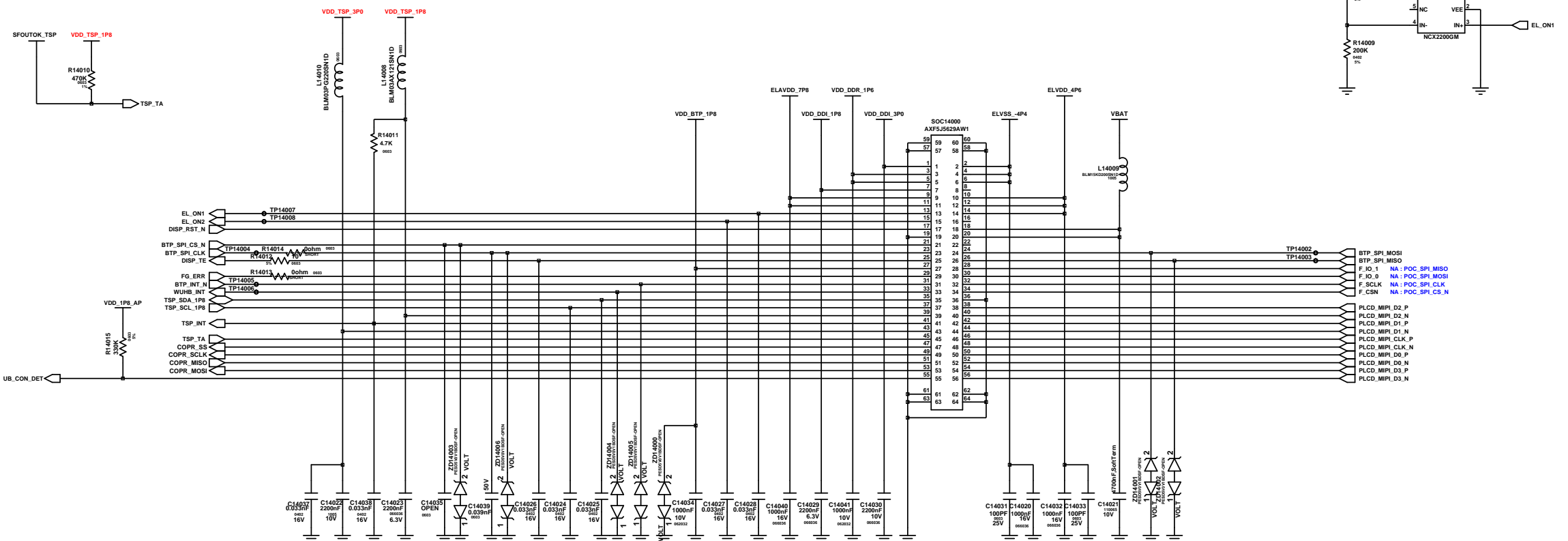
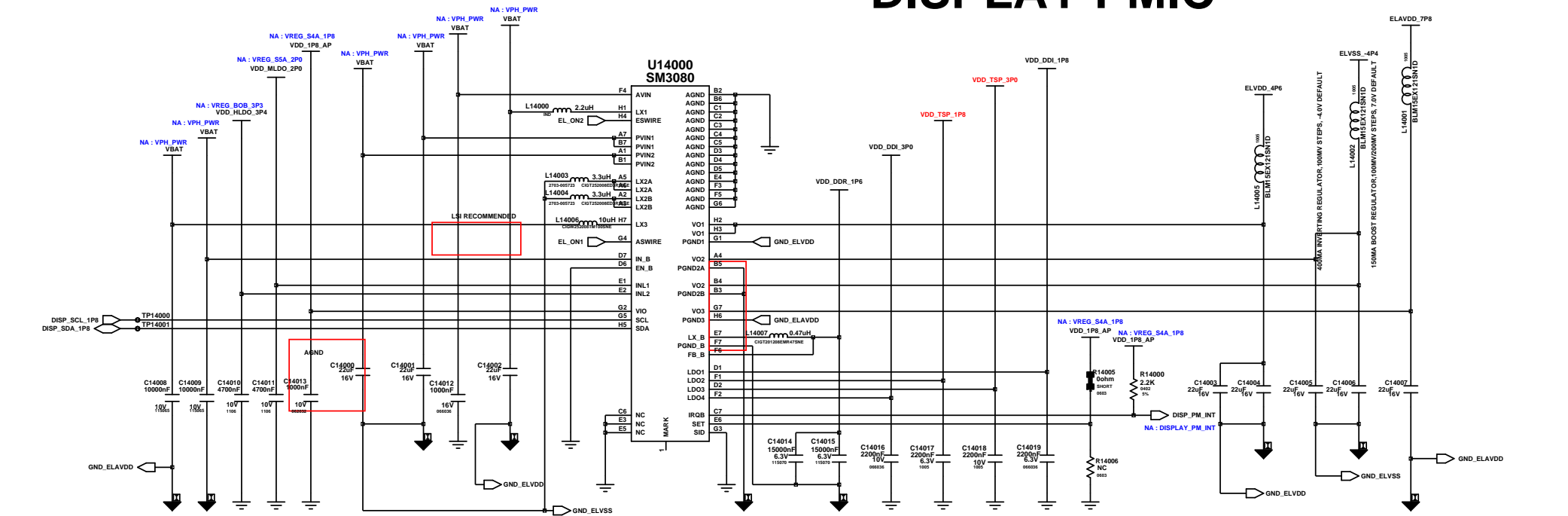
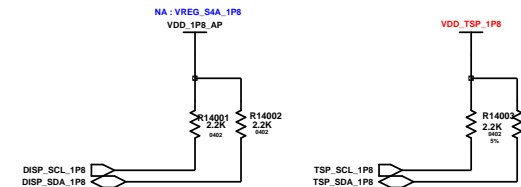
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BATTERY CONNECTOR(45W) - P3 ONLY



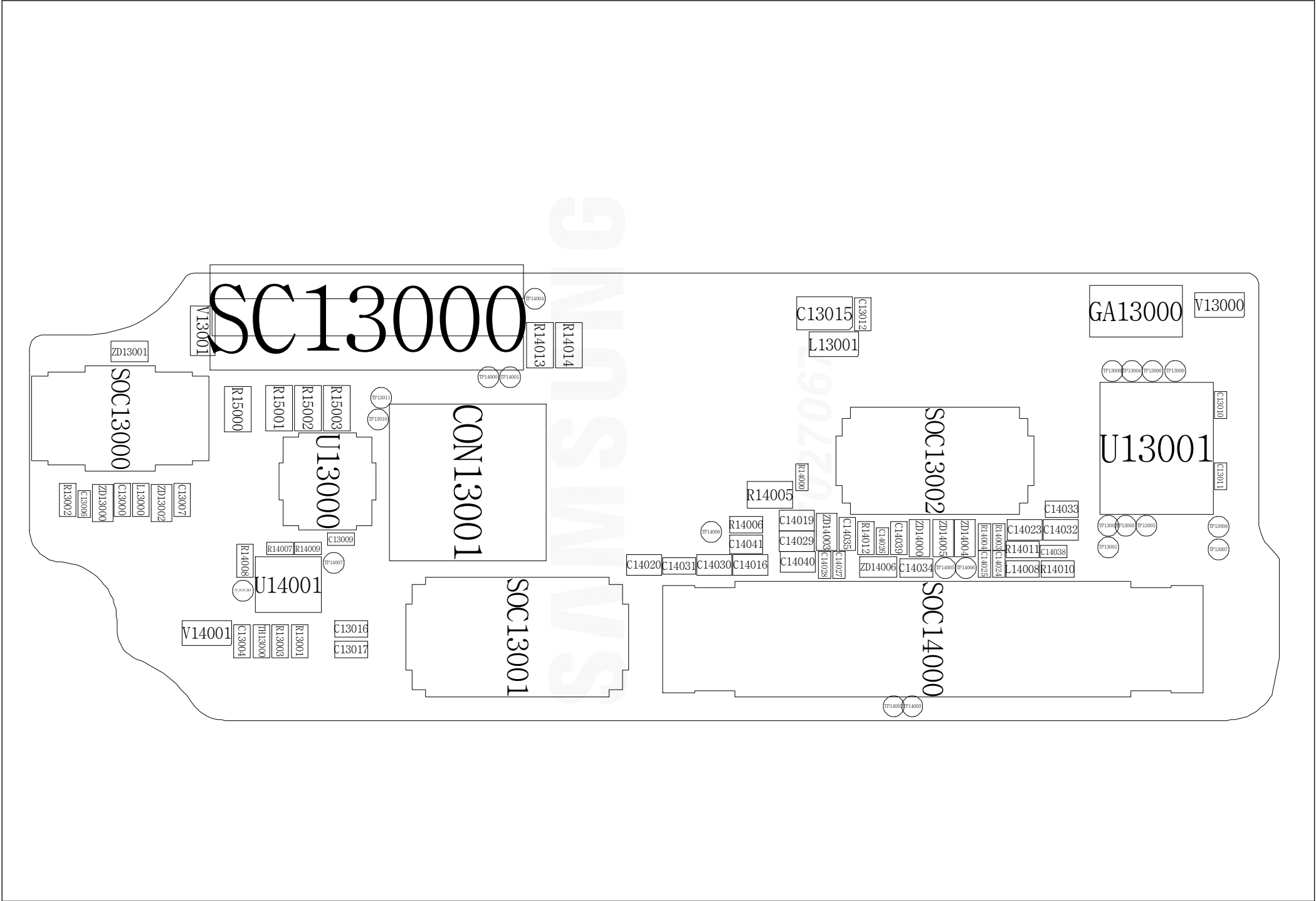
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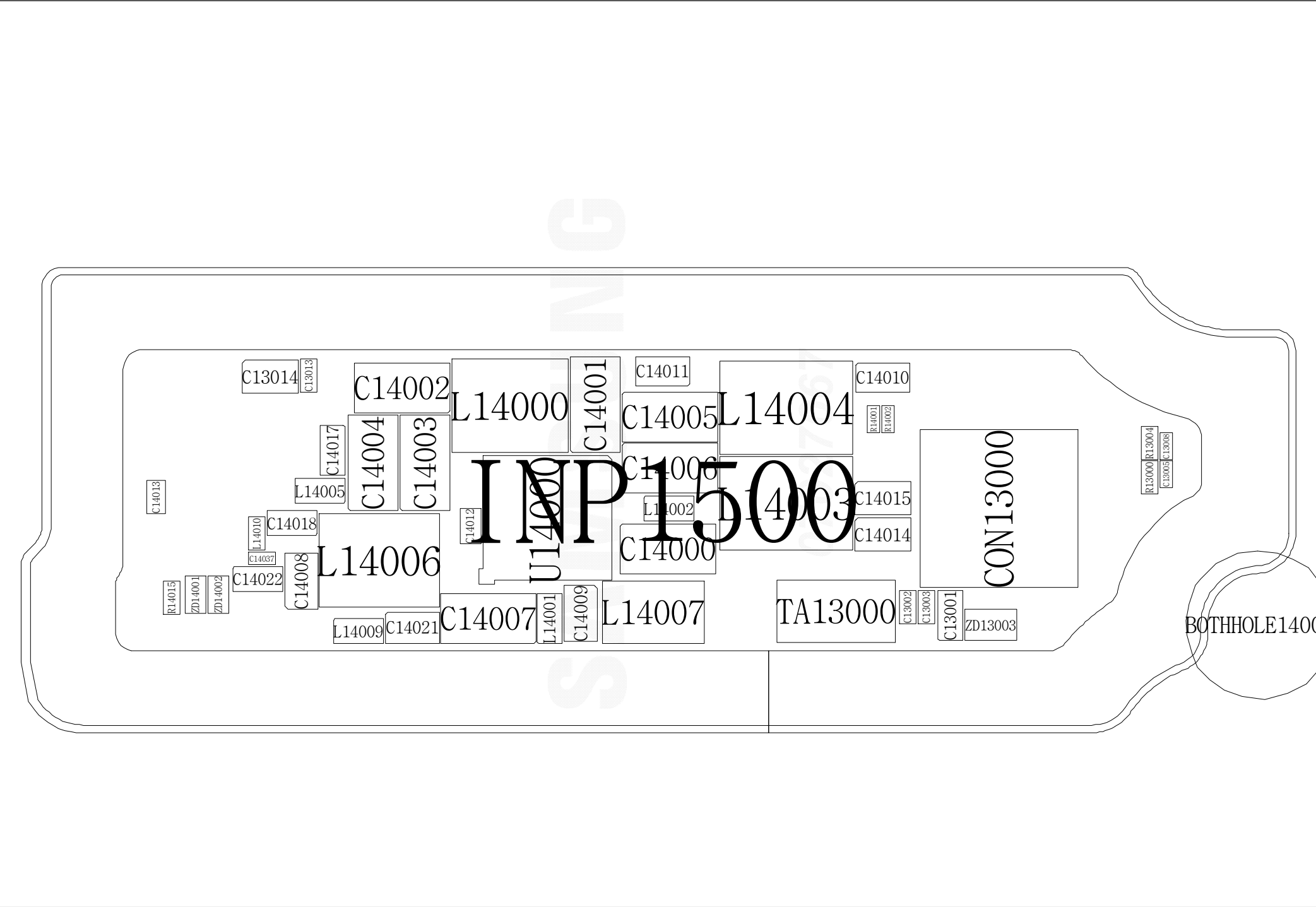
DISPLAY



DISPLAY CONN

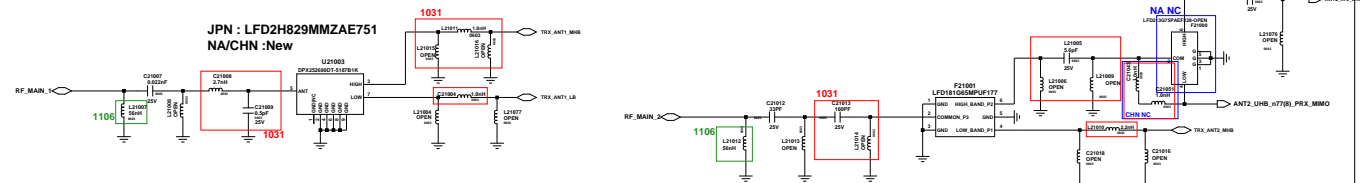
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																B
<div>SM-G988U_Right_SLAVE_REV05</div> <div>SM-G988U Common</div>																C
																D
<div>2019.11</div> <div>DVR R02 PV1 R03 PV2 R04 PVR R05</div>																E
																F
<div>sheet01 : RF MAIN, OMH, n41/n79 LPAF</div>																G
<div>sheet02 : TRCV, NFC, WC, mmW CONN.</div>																H
<div>sheet03 : IF CONN, Motor Drive IC, SPK AMP, Hall IC</div>																I
<div>sheet04 : INTERPOSER</div>																J
																K
																L
<div><div><div>Engineer:</div><div>Drawn by:</div><div>RDG CHK:</div><div>DOC CTRL CHK:</div><div>MFG ENGR CHK:</div></div><div><div>Changed by: jess31</div><div>Date Changed:</div><div>Time Changed:</div><div>QA CHK:</div><div>REV</div><div>Drawing Number:</div><div>Page: 6</div></div><div><div>TITLE:</div><div>Size: A1</div></div></div>																L
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MAIN ANT



MAIN1 ANT
(LB,MB)

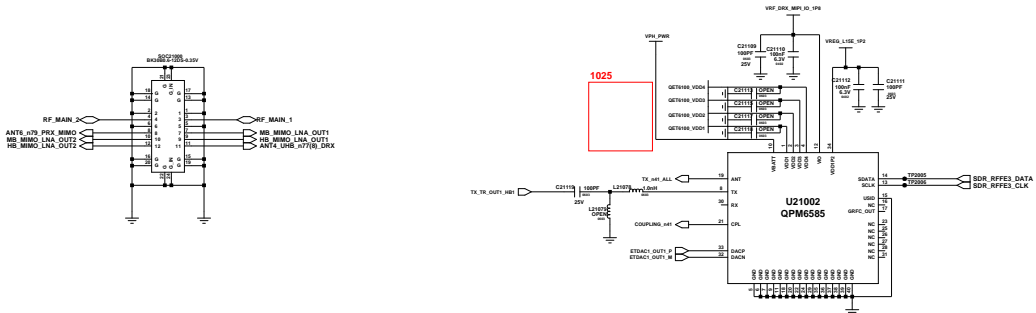
MAIN2 ANT
(HB,DRX_UHB_n77_n78_mimo)

moved on IF SUB PCB

MAIN3 ANT
(hb MIMO , DRX UHB/n77/n78)

MAIN4 ANT
(mb MIMO , DRX n79)

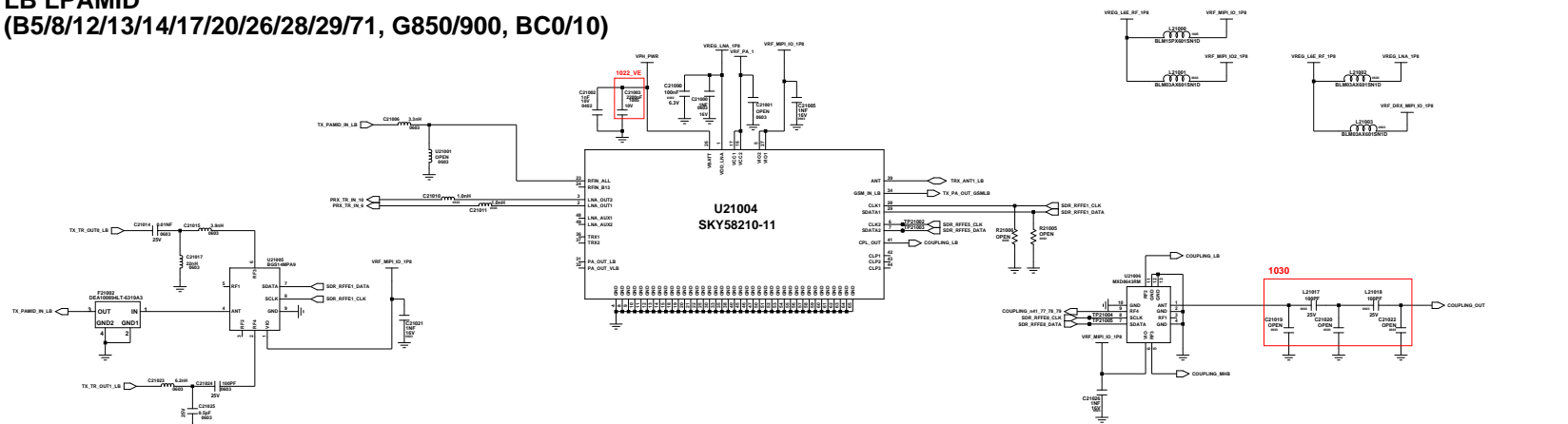
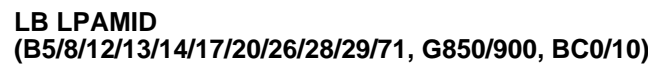
n41



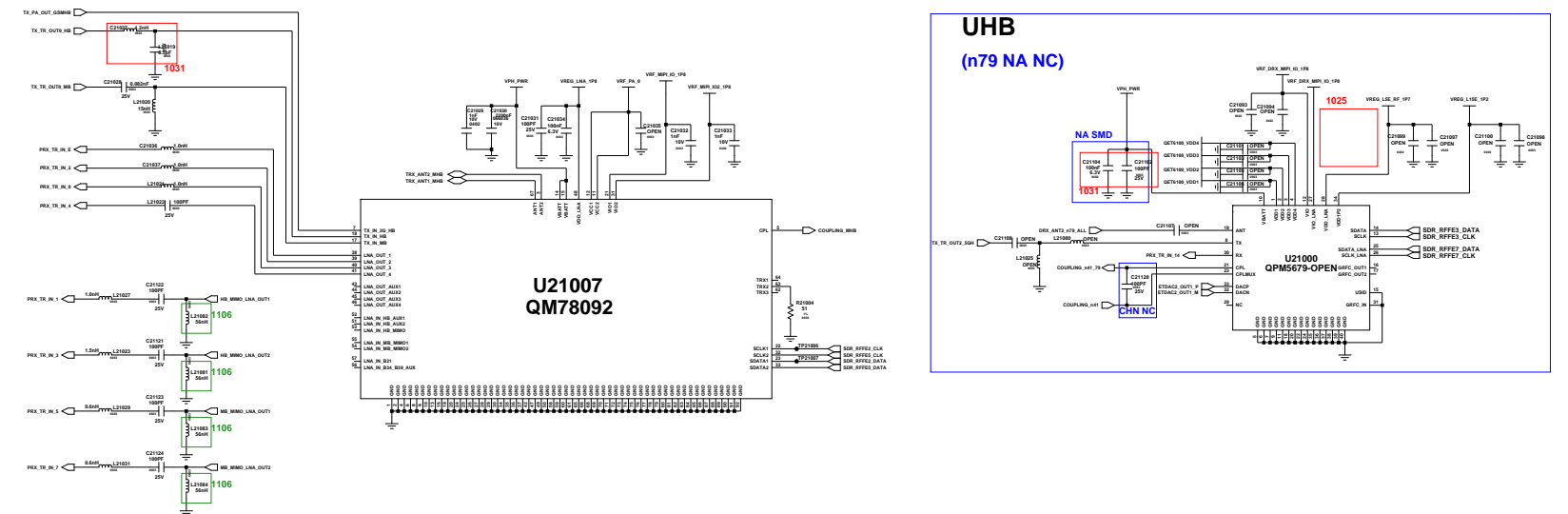
FRC connector

B21(JPN)

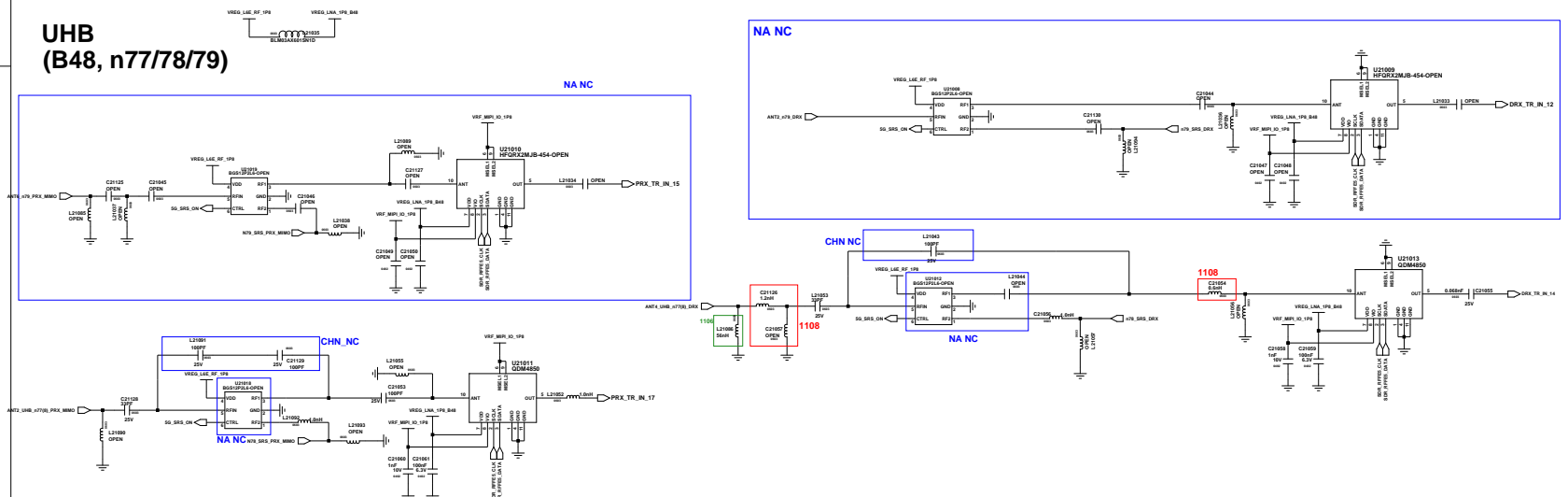
B21(JPN) delete



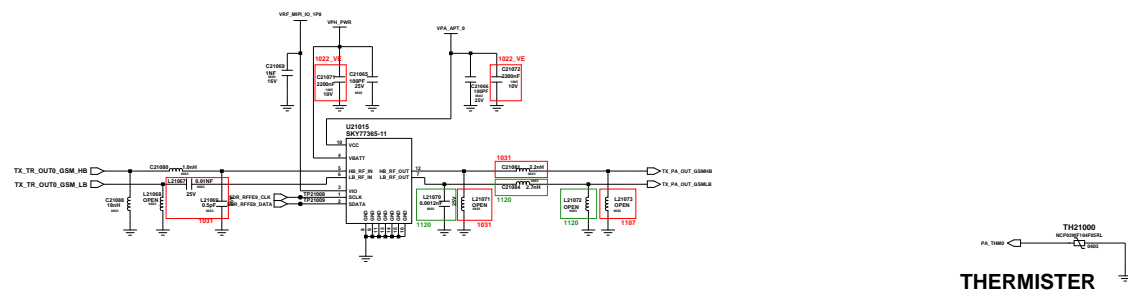
OMH LPAMID
(B1/2/3/4/7/25/30/34/38/39/40/41/66, G1800/1900, BC1)



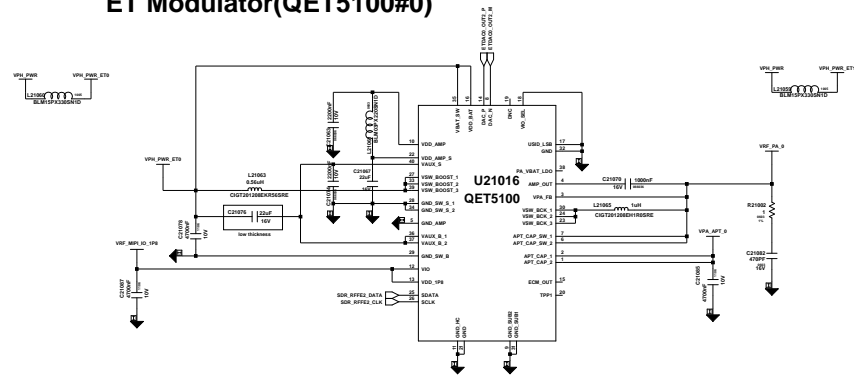
UHB
(B48, n77/78/79)



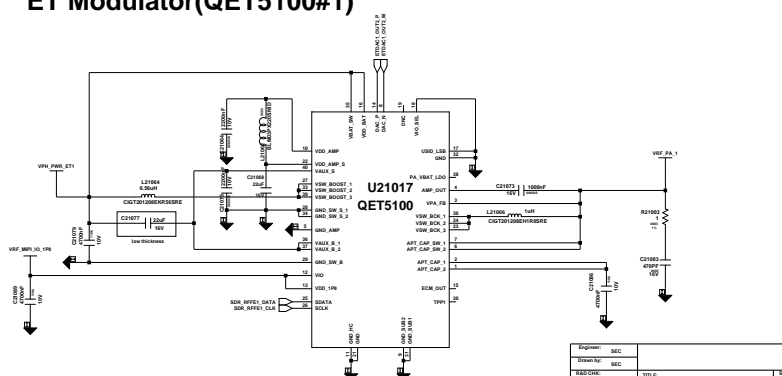
2G_PA



ET Modulator(QET5100#0)

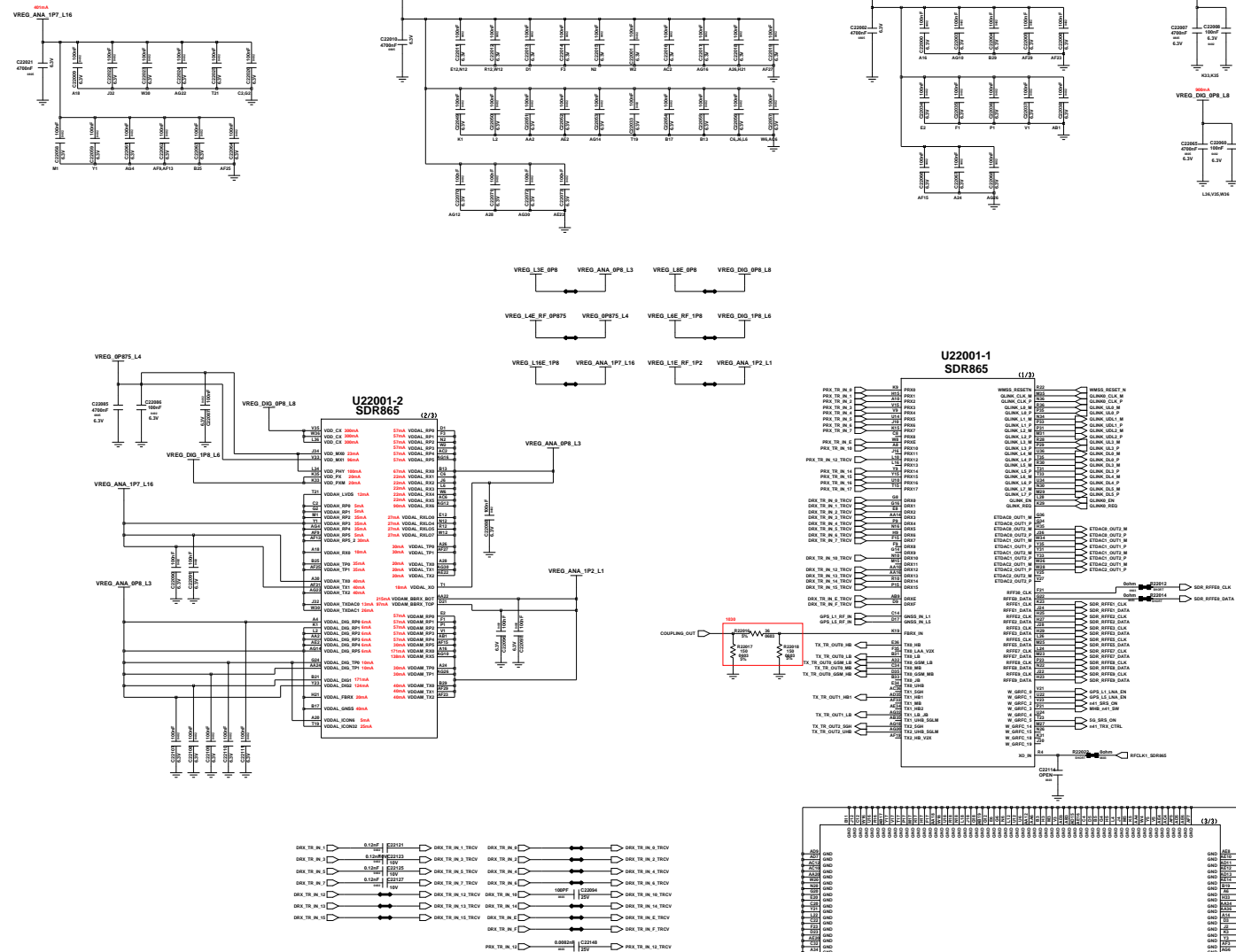


ET Modulator(QET5100#1)



Right_SLAVE PCB

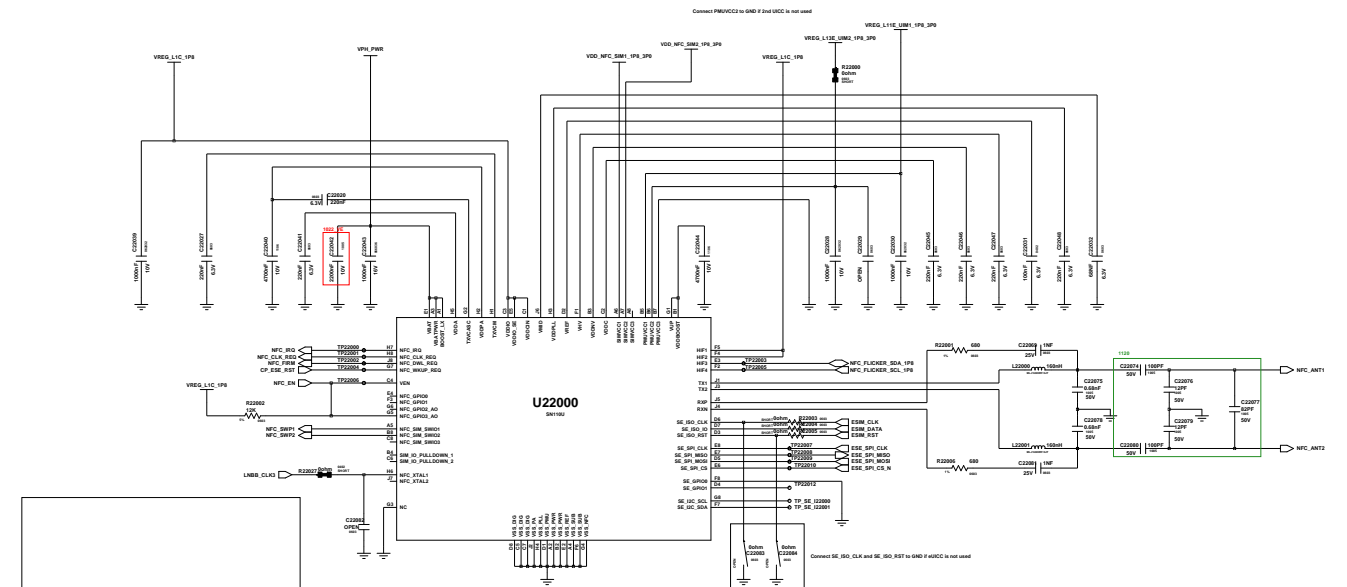
TRANSCEIVER(SDR865)



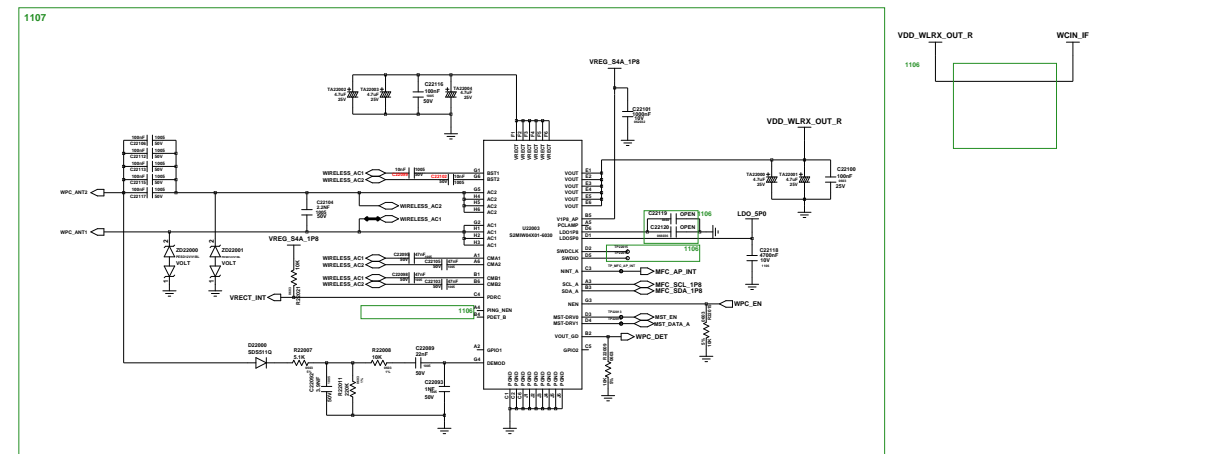
GPS_L1

GPS_L5

Connectivity



NFC & eSIM

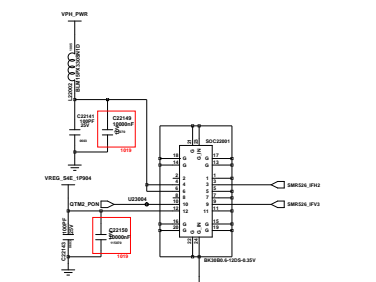


MFC IC



MST Switch

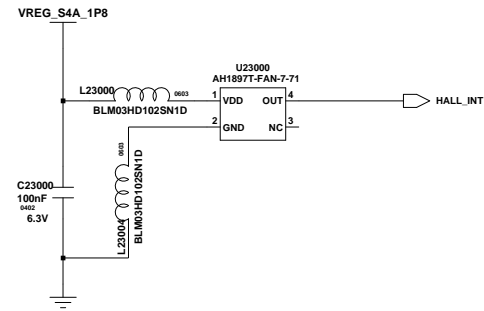
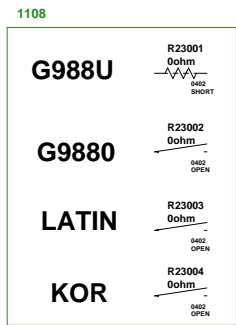
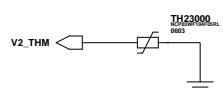
V2 mmW ANT connector (RIGHT)



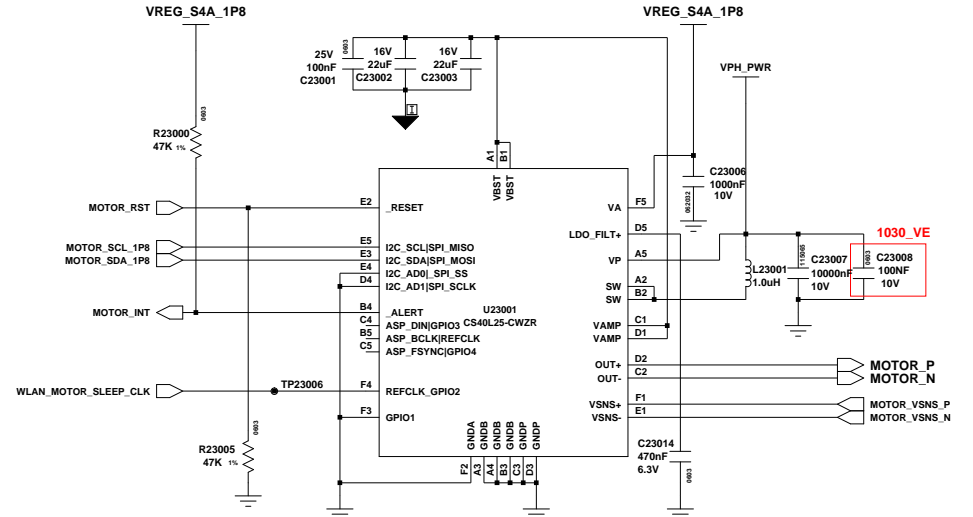
V2 mmW_ANT_CONN (Right)

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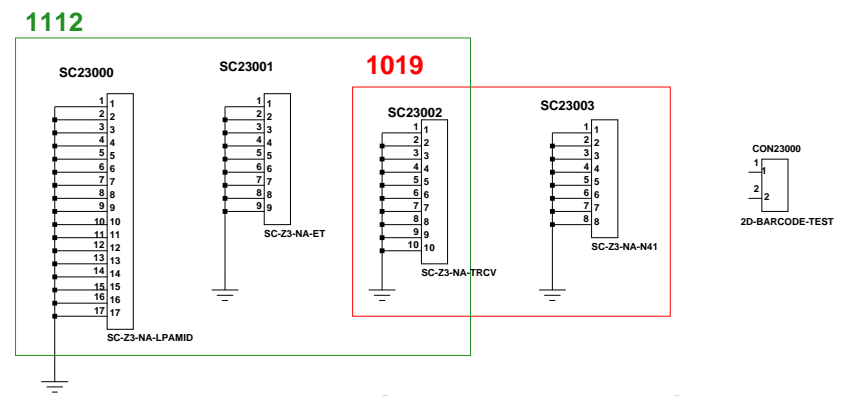
Right_SLAVE PCB



Certify_HALL_IC

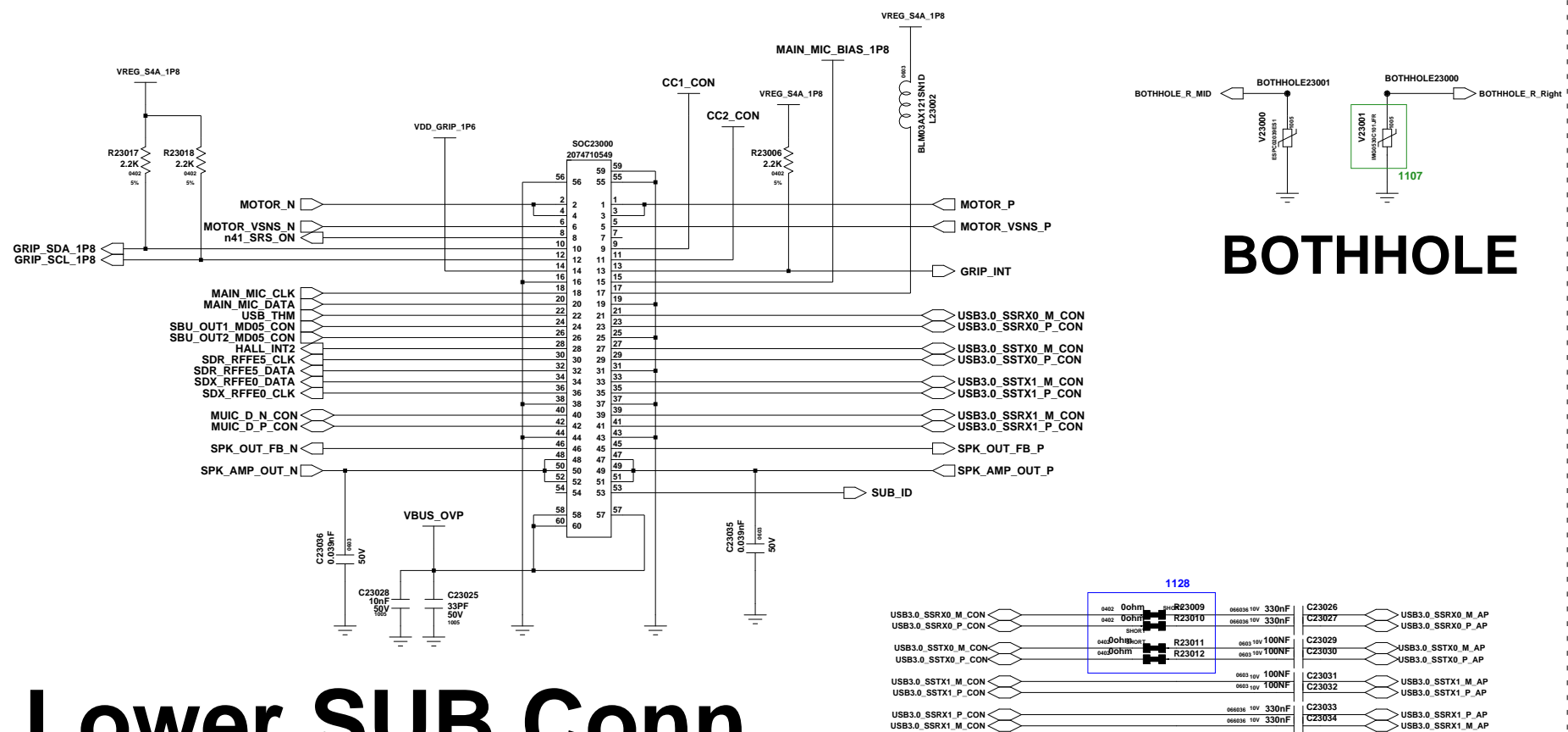


MOTOR DRV IC

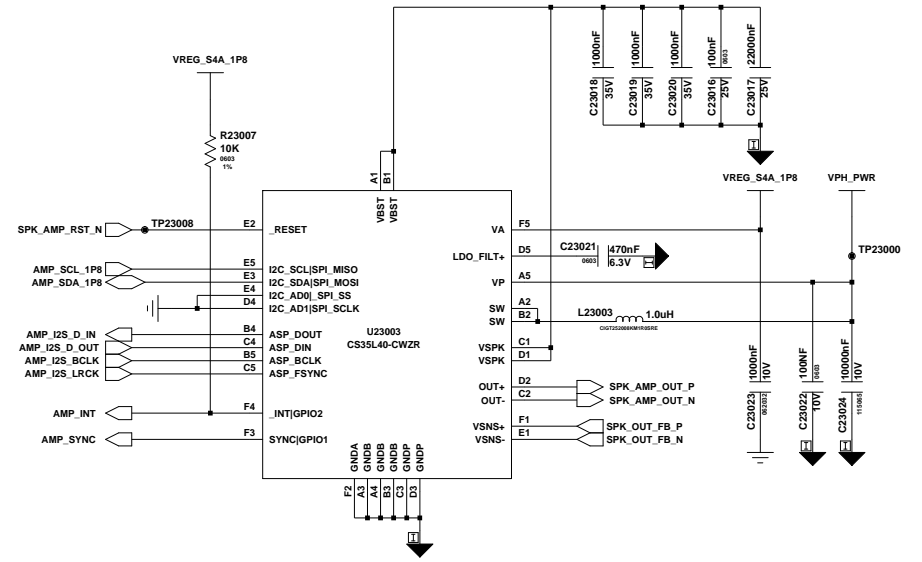


SHIELDCAN

REV01 11ay DELETE



BOTHHOLE



SPK AMP

Lower SUB Conn.

Engineer: SEC	SAMSUNG ELECTRONICS	
Drawn by: SEC	TITLE: P3_NA_190521	Size: A2
R&D CHK:		12 1 8 A
DOC CTRL CHK:		
MFG ENGR CHK:		





