

SM-S918B_S_AP_REV0.7

SHEET01 : RF (1/2)

SHEET02 : RF (2/2), RF PMIC #1

SHEET03 : BT/WIFI, UWB

SHEET04 : NFC IC, MFC IC, SENSOR, MOTOR DRIVER IC, AUX SW, SIDE KEY

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

SHEET06 : AP(2/2), Charger block

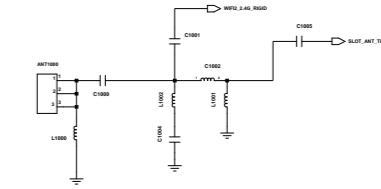
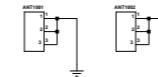
SHEET07 : AP PMIC set, Clock Generator

SHEET08 : SPK AMP, MIC

SHEET09 : CAM PMIC, CAM Conn., CAM MCU, DISPLAY PMIC, DISPLAY Conn.

SHEET10 : 5G IFIC, mmW connector, RF PMIC #2

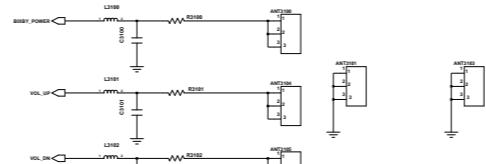
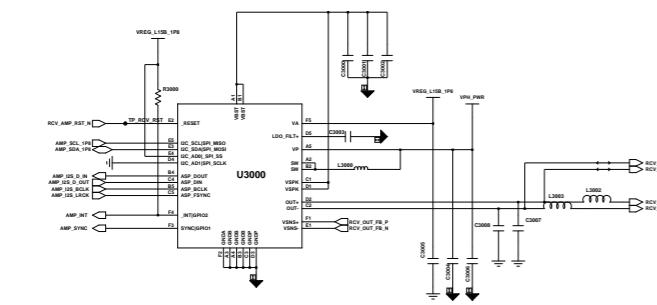
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Drawn by:	
REQ CHK:	TITLE:
DOC CTRL CHK:	Size:
MFG ENGR CHK:	L



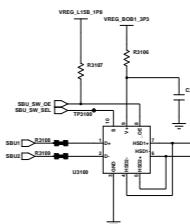
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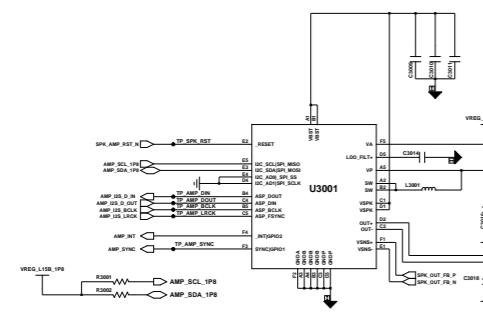
AUDIO



Vol + Power key

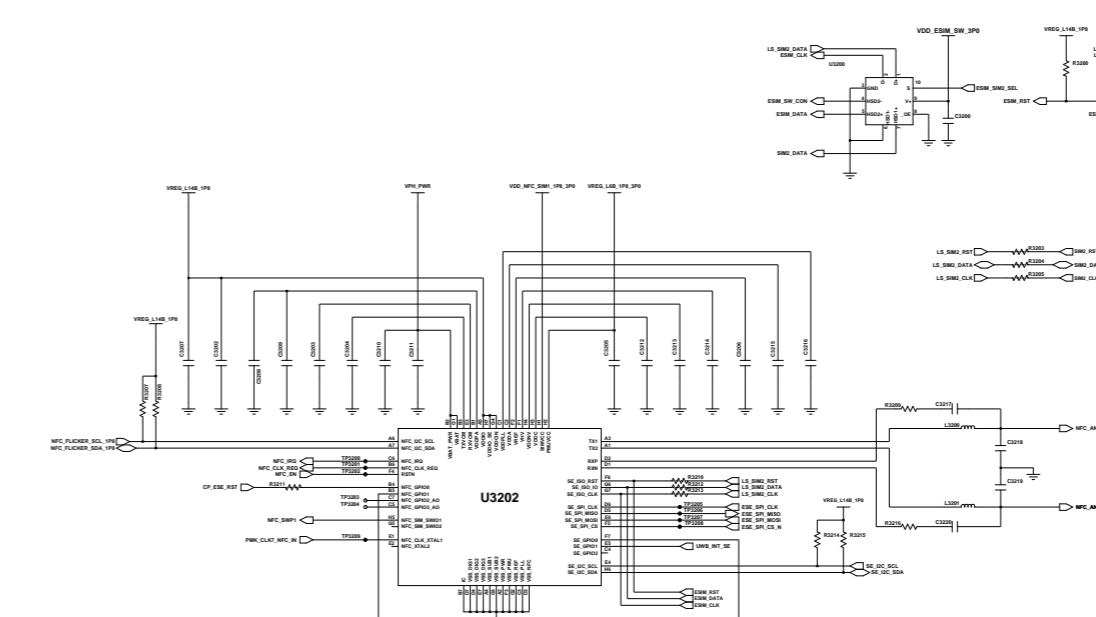
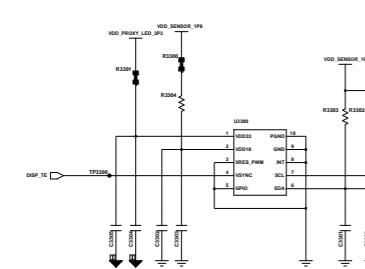


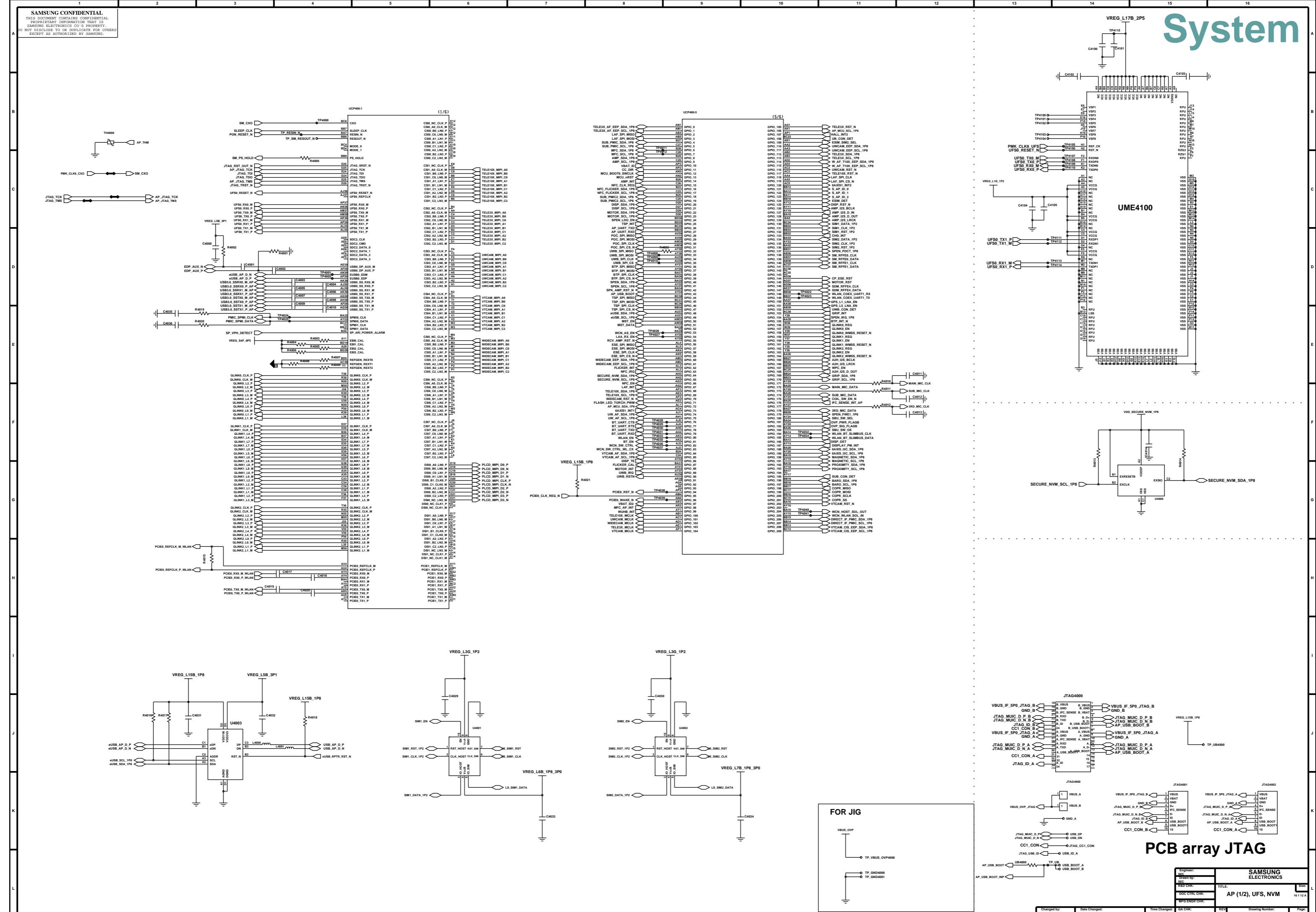
AUX SW



Power

Visual

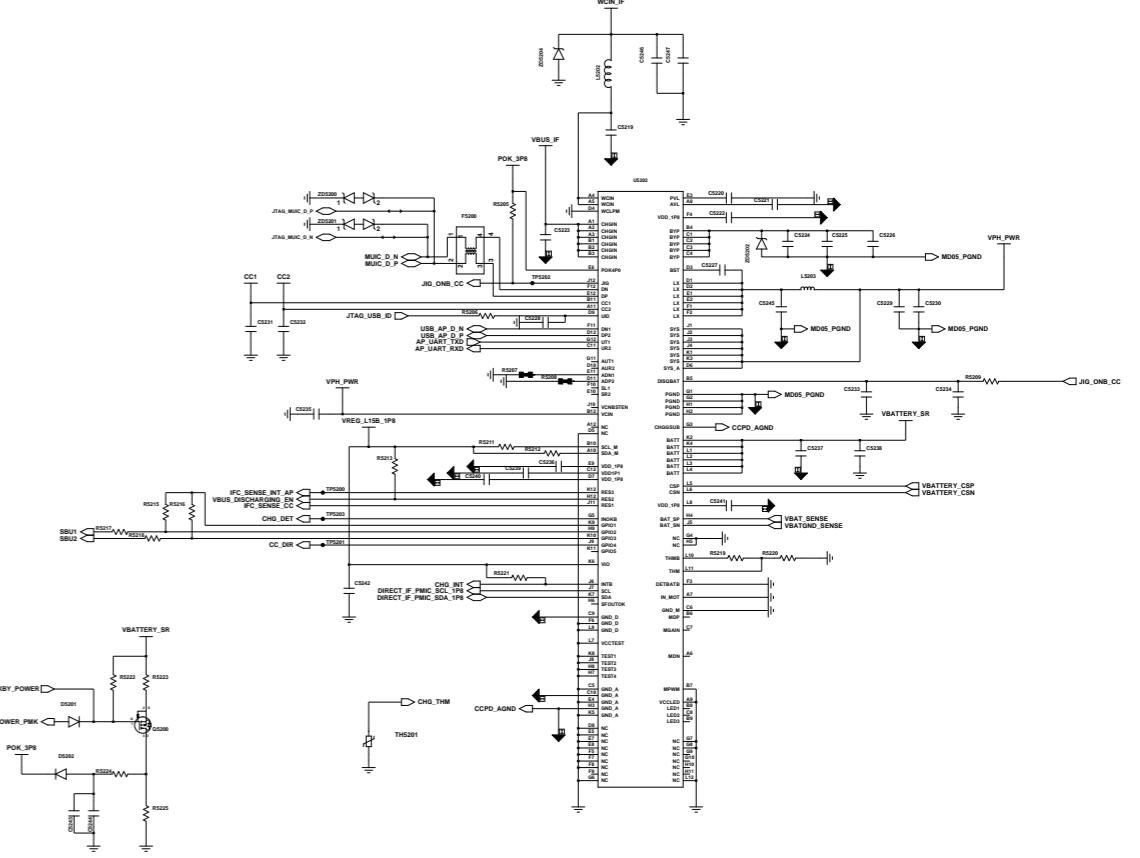
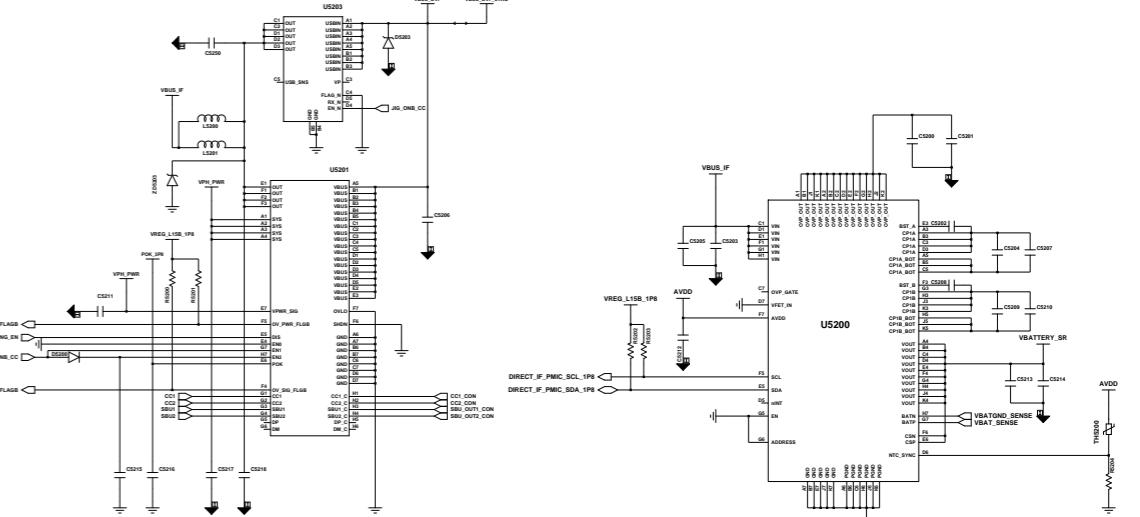
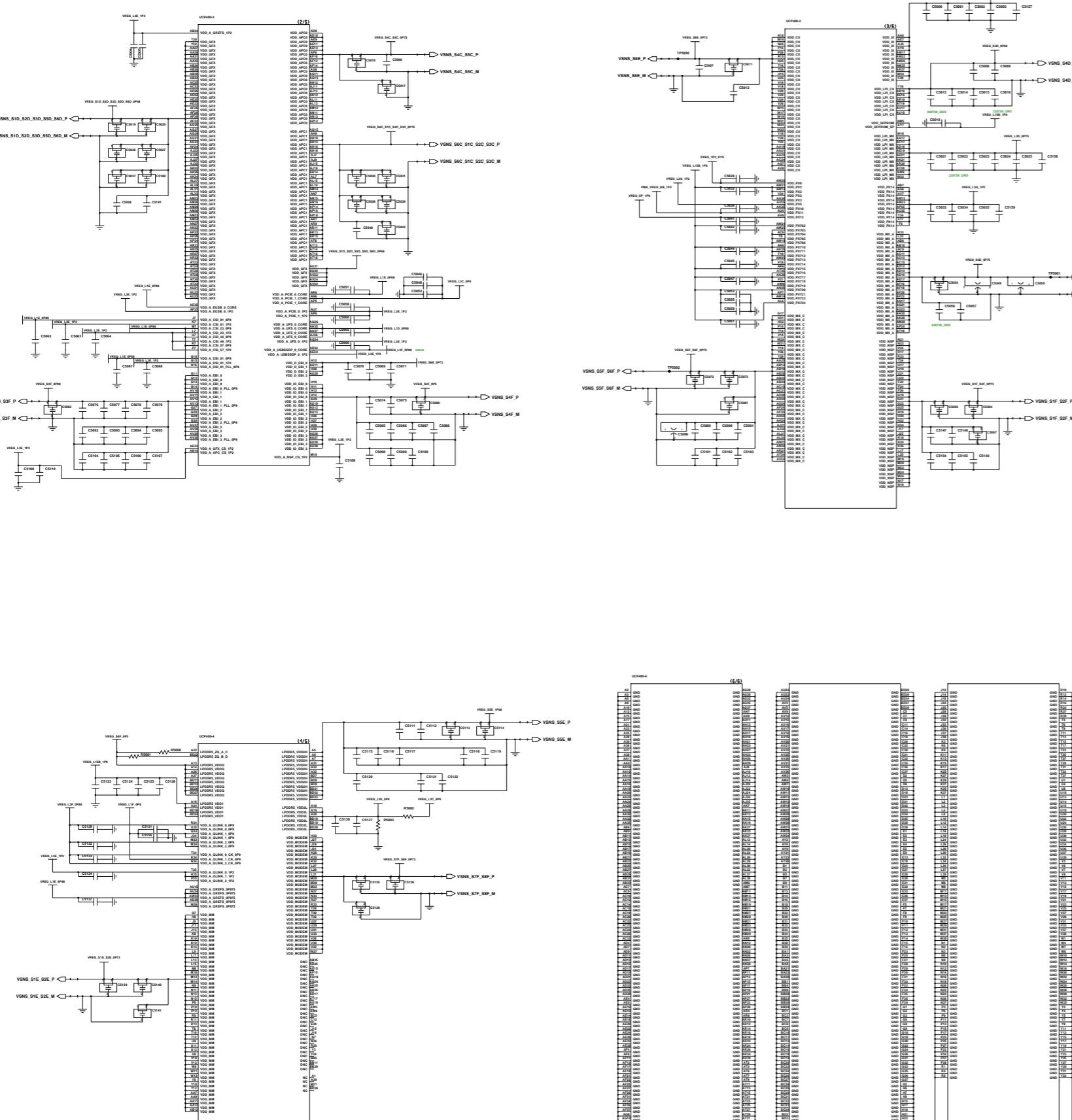




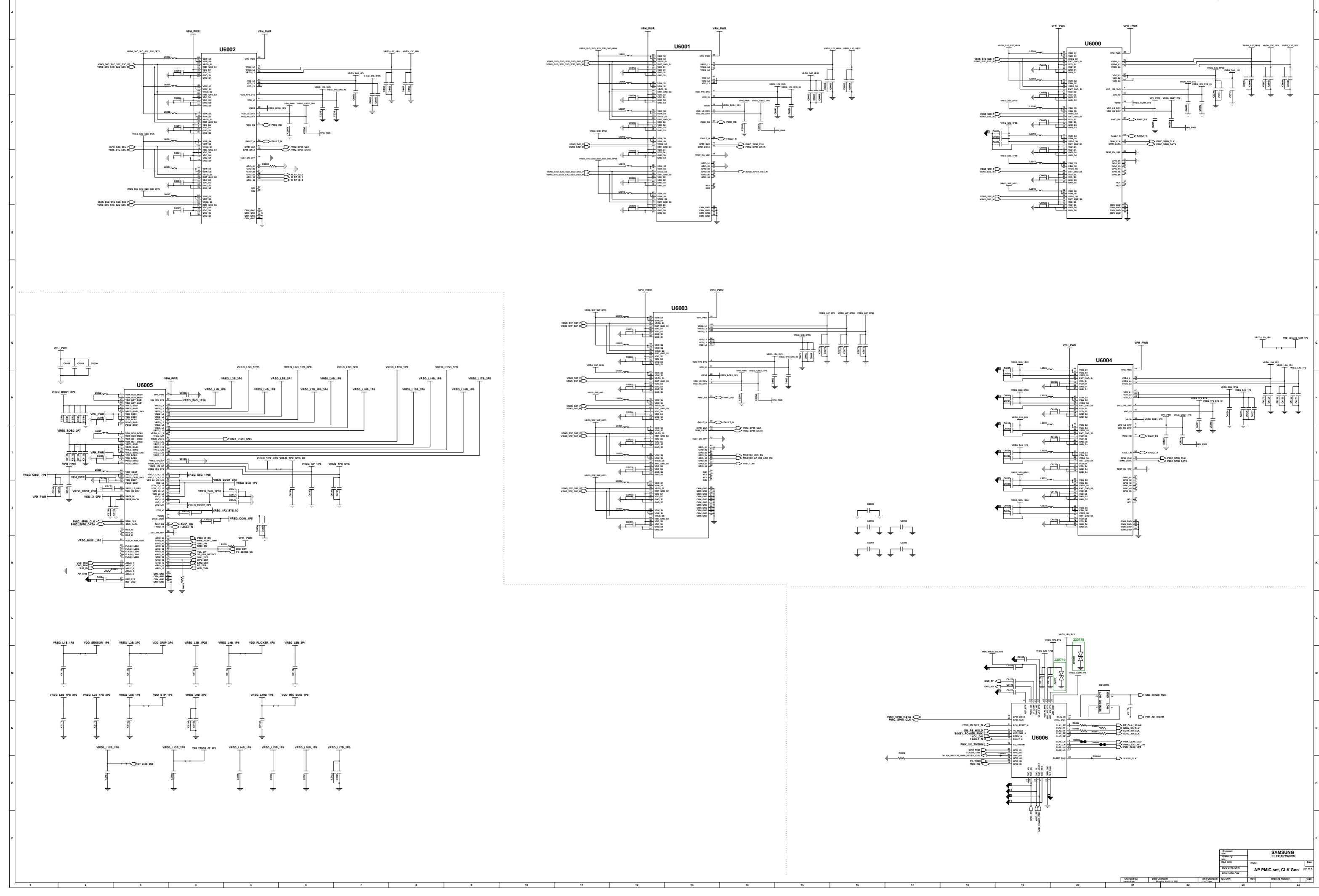
Power

Charger block

Power

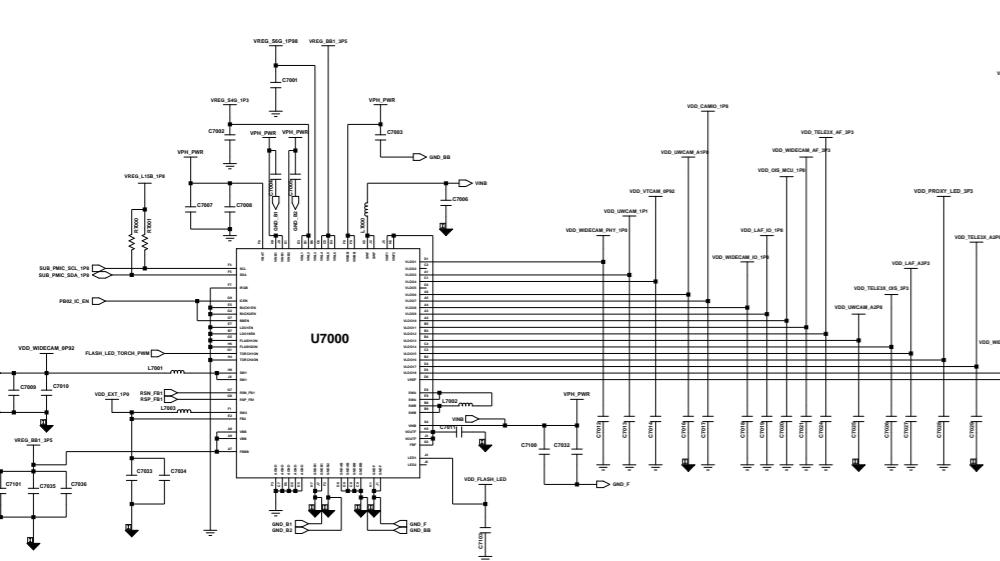


Power System

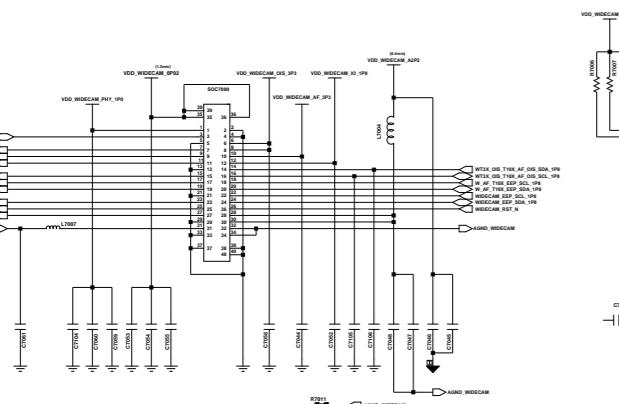


CAMERA

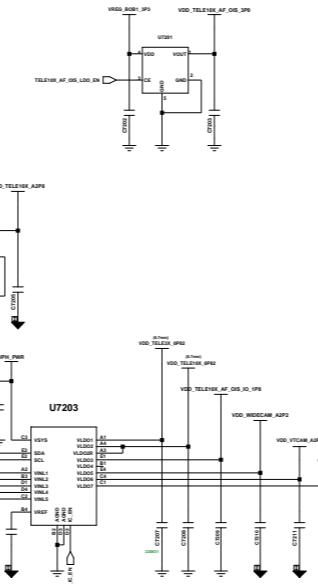
Visual



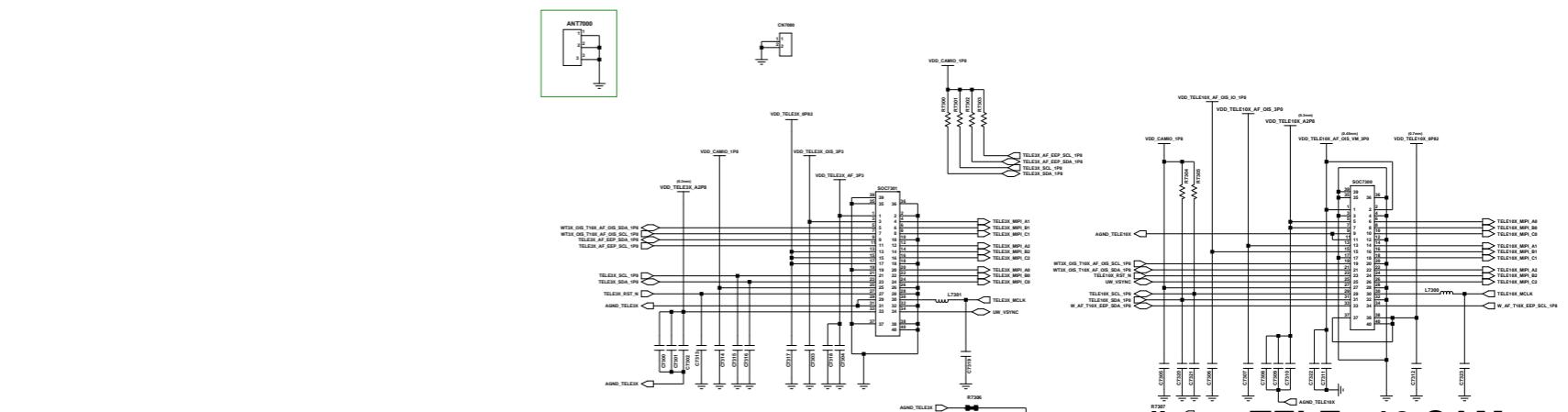
Main Wide CAM



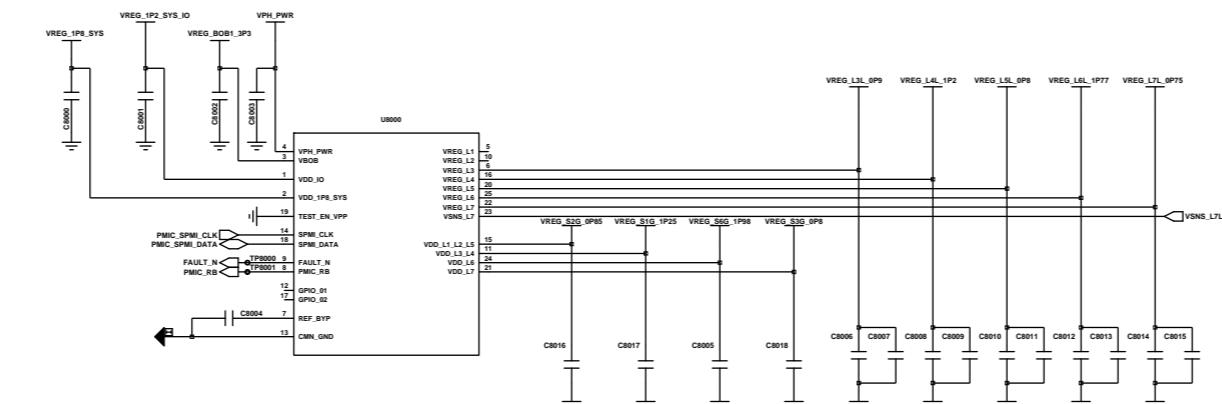
CAM MCU



TELE x3 CAM

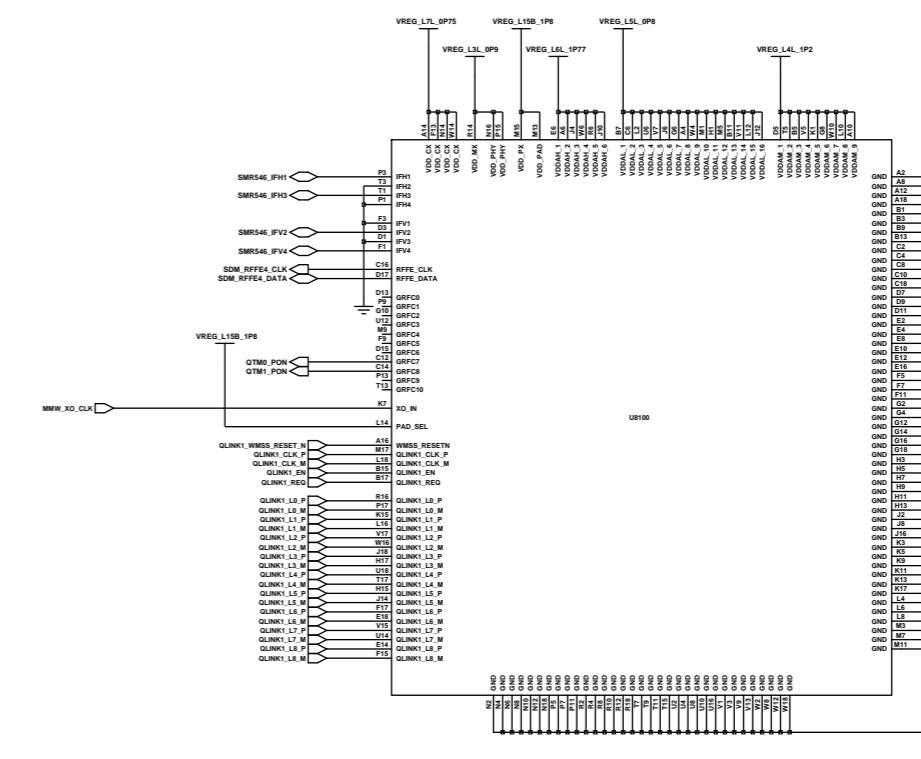
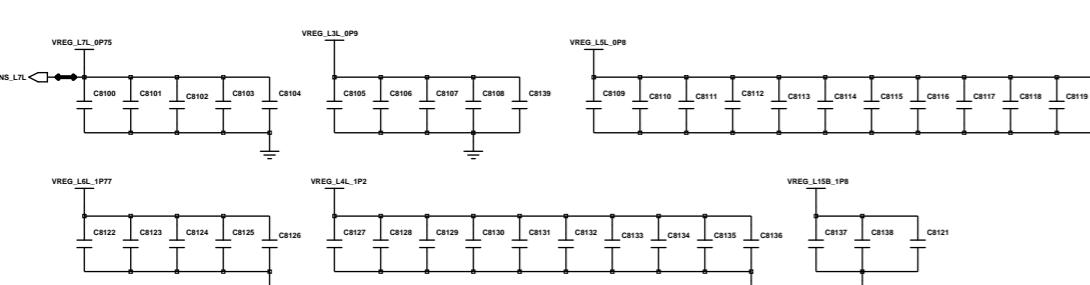


TELE x10 CAM

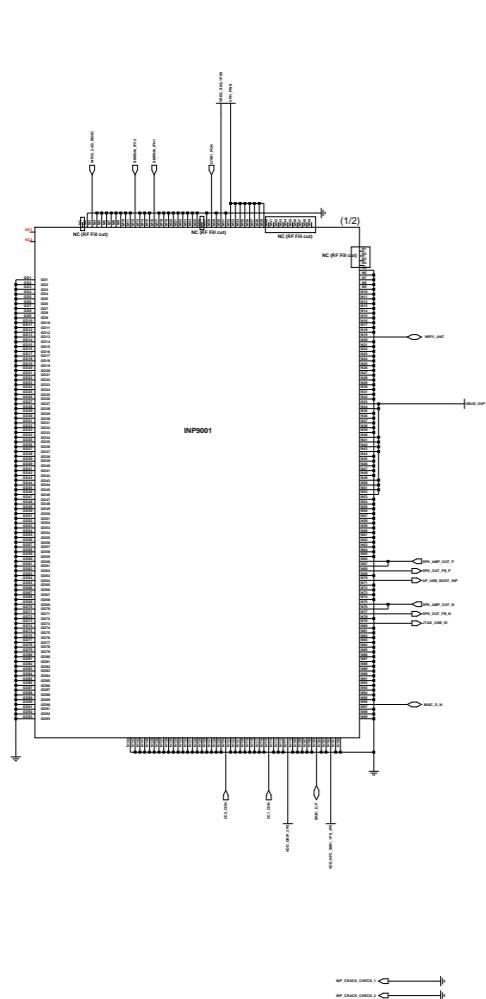


5G IFIO

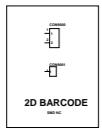
Radiation



INTERPOSER

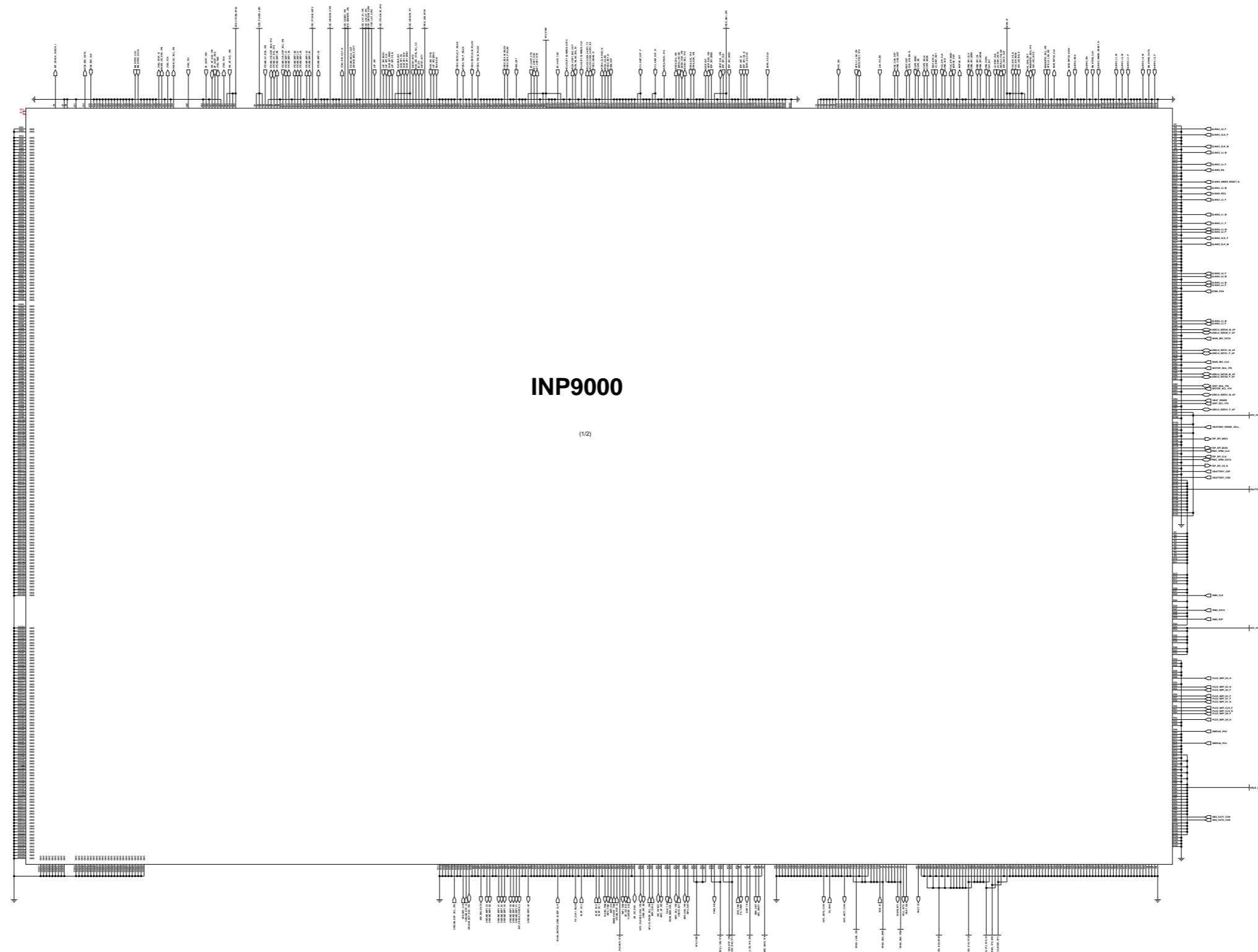


SHIELDCAN

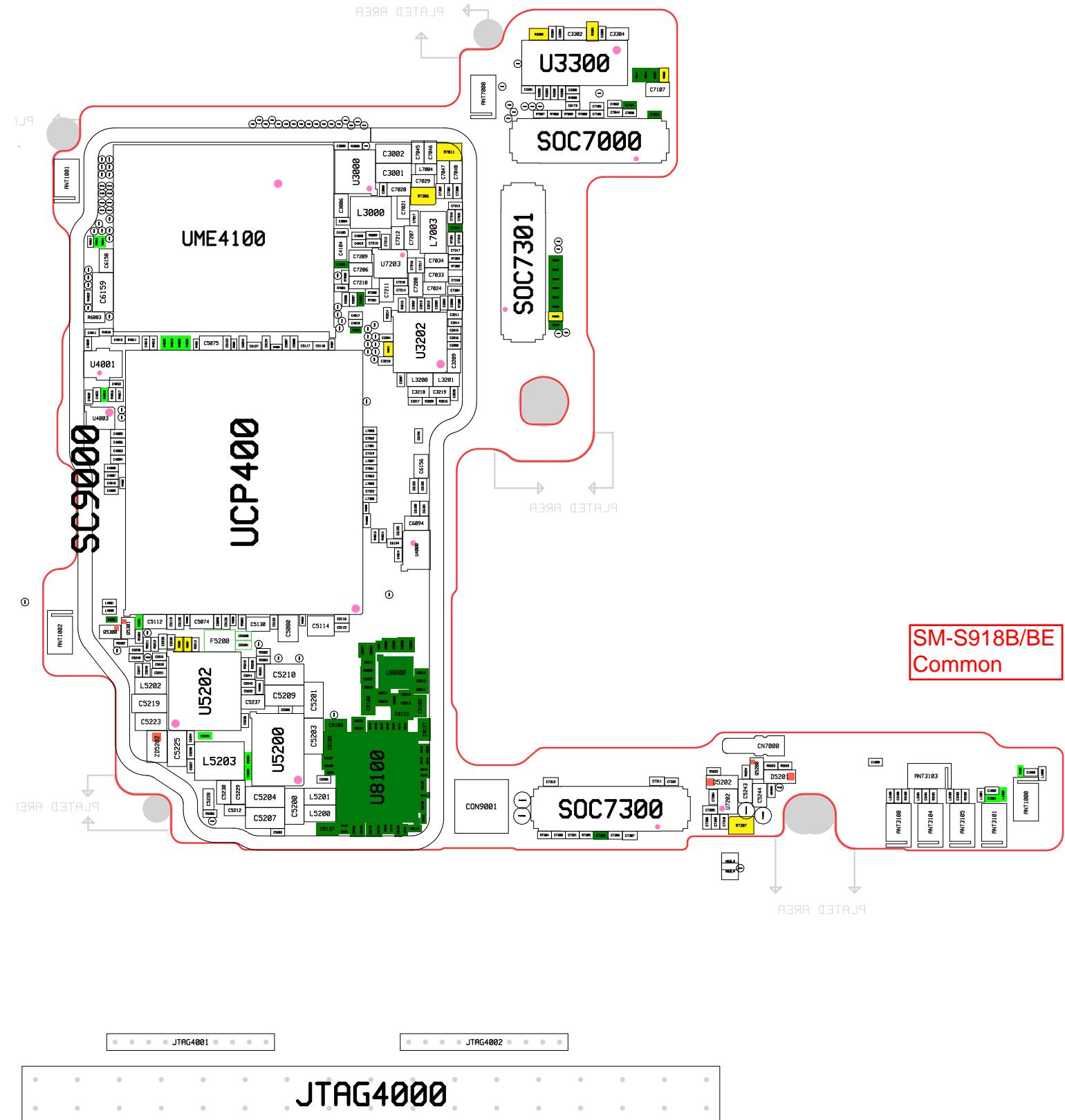


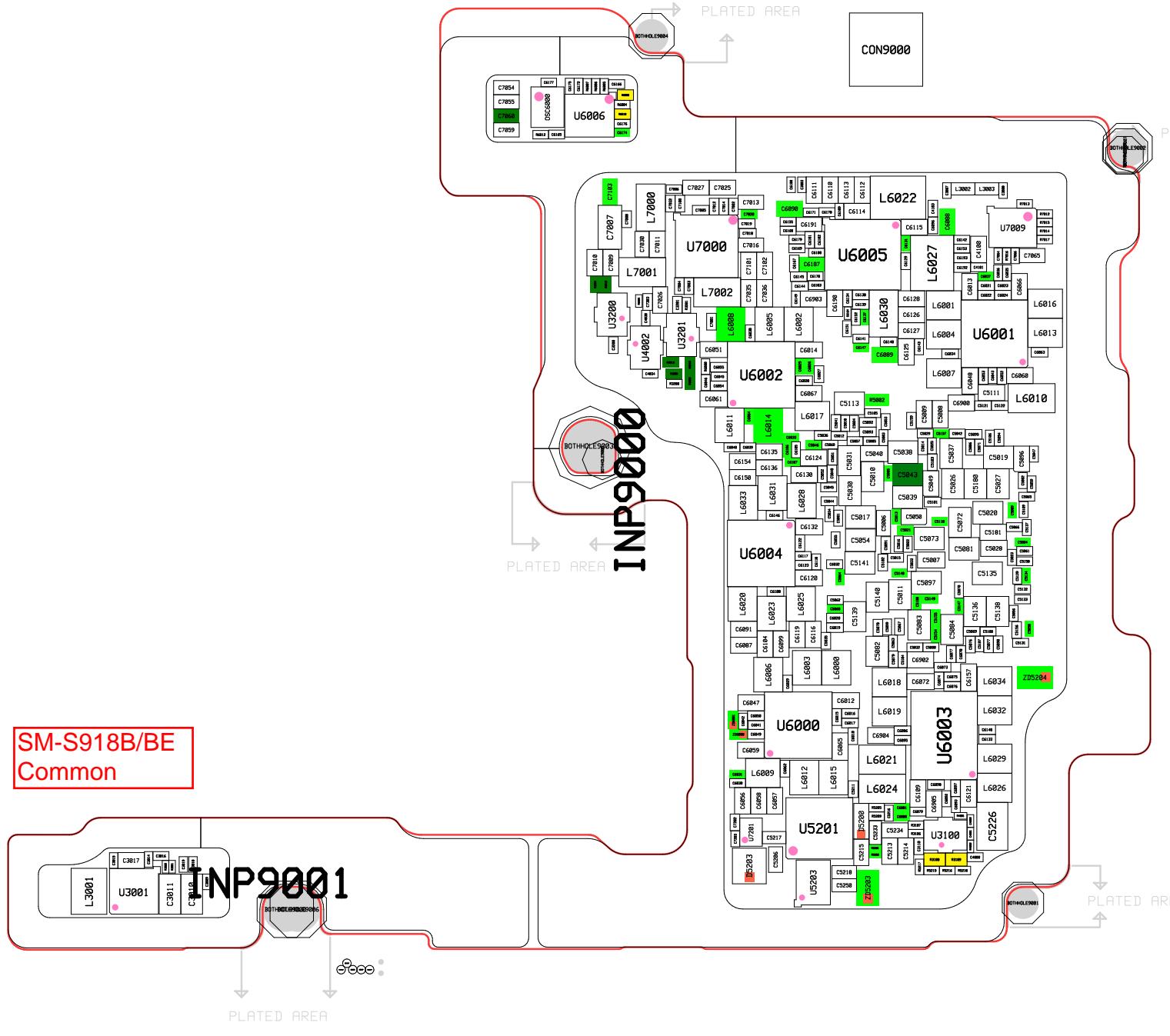
NA (U)	—
CAN (W)	—
CHN (O)	—
GLB (E)	—
JPN (D)	—
KOR (N)	—
EUR (B)	—
N/A	—

BOSS HOLE



INP9000





SM-S918B_M_RF

2022.10.25

SHEET01 : RF (1/2)

SHEET02 : RF (2/2), RF PMIC #1

SHEET03 : BT/WIFI, UWB

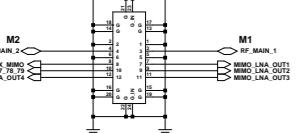
SHEET04 : Battery Conn, W/C Conn, MFC, Sensor

SHEET05 : IF SUB Conn, MOTOR DRV IC, RCV Conn, MIC

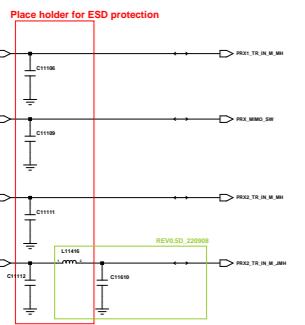
SHEET06 : DISPLAY PMIC, DISPLAY Conn, DIGITIZER, CAM Conn

SHEET07 : INTERPOSER

Engineer:	
Drawn by:	
REQ CHK:	
DOC CTRL CHK:	
MFG ENGR CHK:	

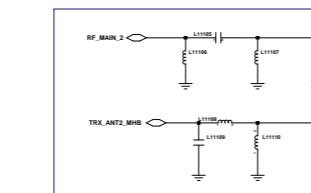


MAIN FRC



MAIN1 ANT (LB, MB, JPN B21)

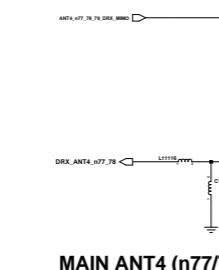
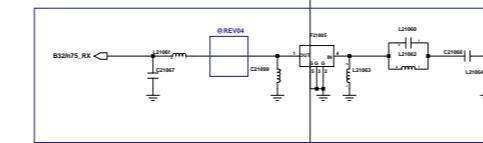
MAIN2 ANT (HB_n41)



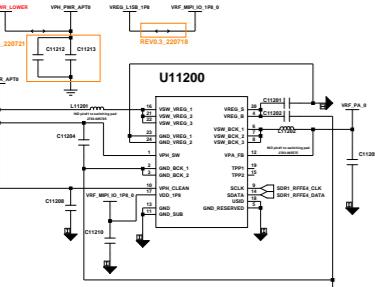
MHB MIMO_LNA OUT



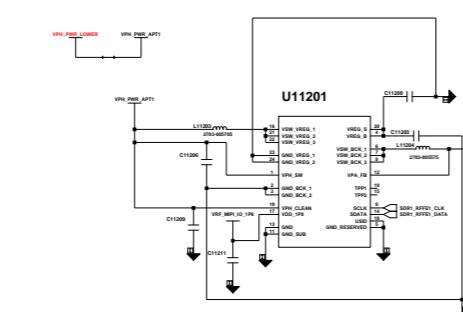
MAIN ANT3 (B48_n77/78/79)



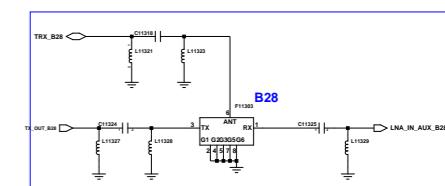
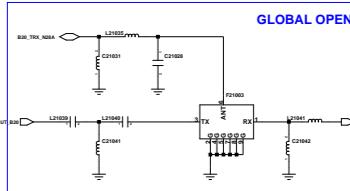
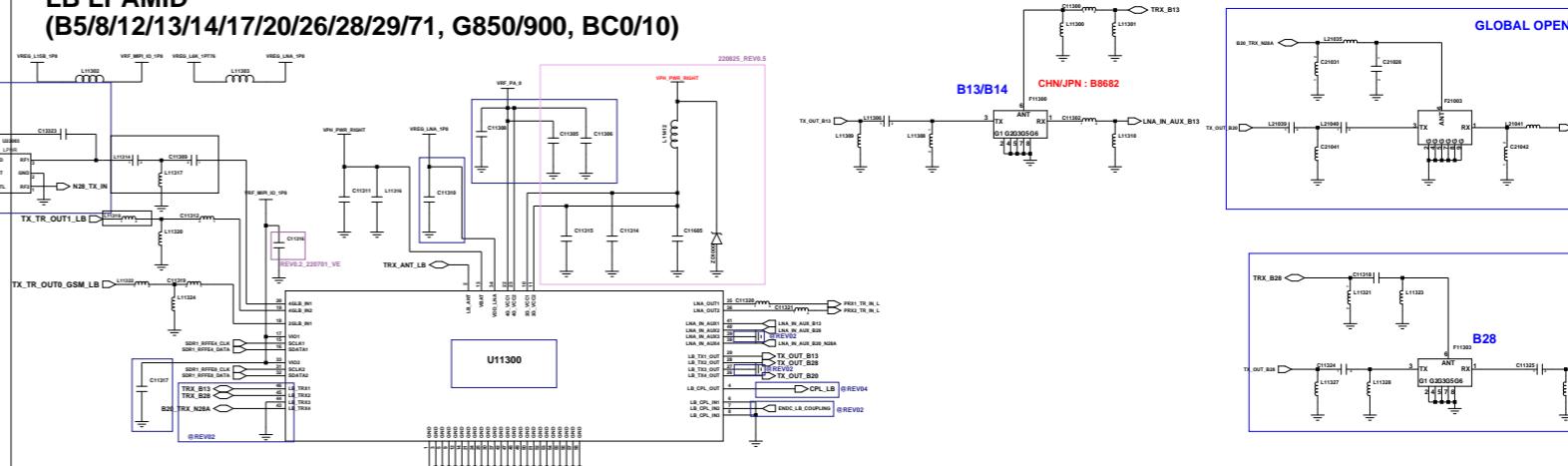
ET Modulator(QET6105#0)



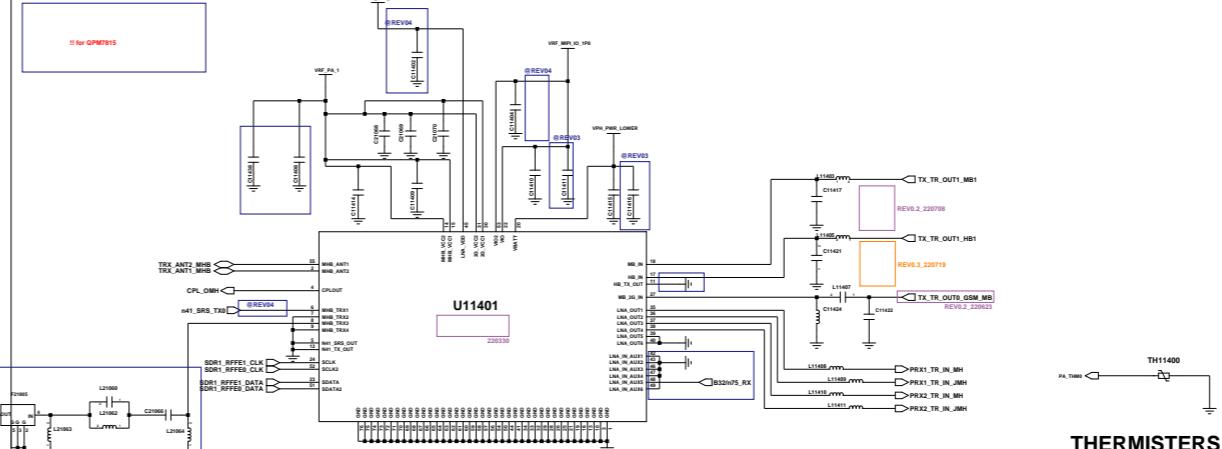
ET Modulator(QET6105#1)



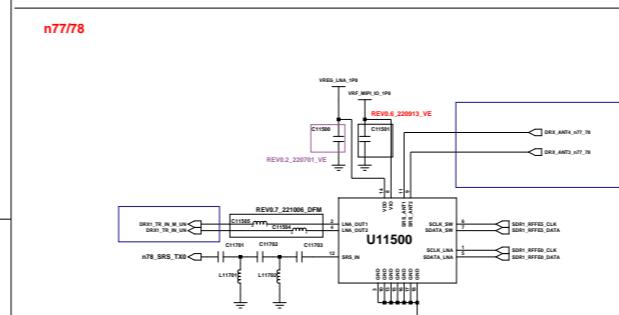
LB LPAMID (B5/8/12/13/14/17/20/26/28/29/71, G850/900, BC0/10)



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

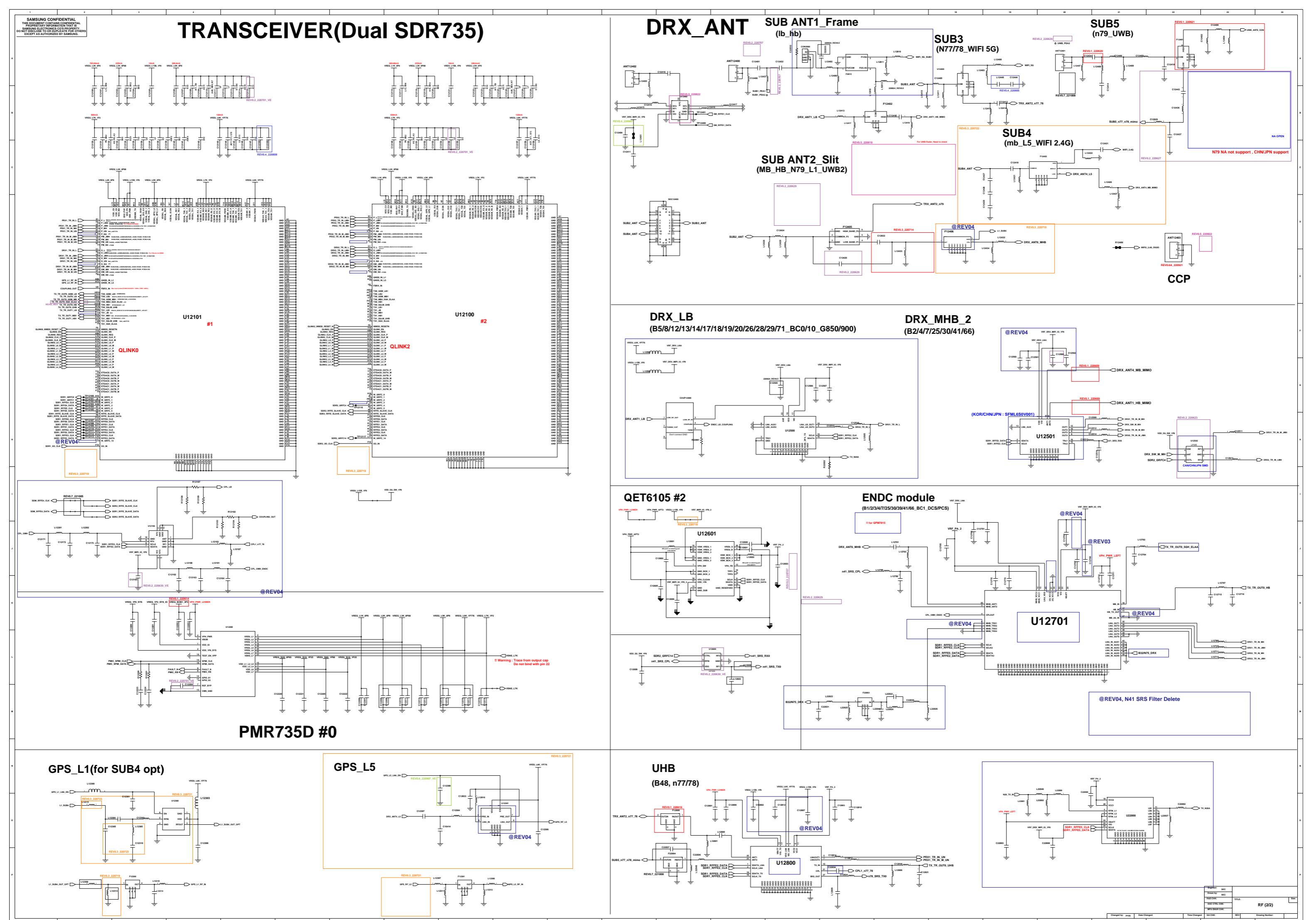


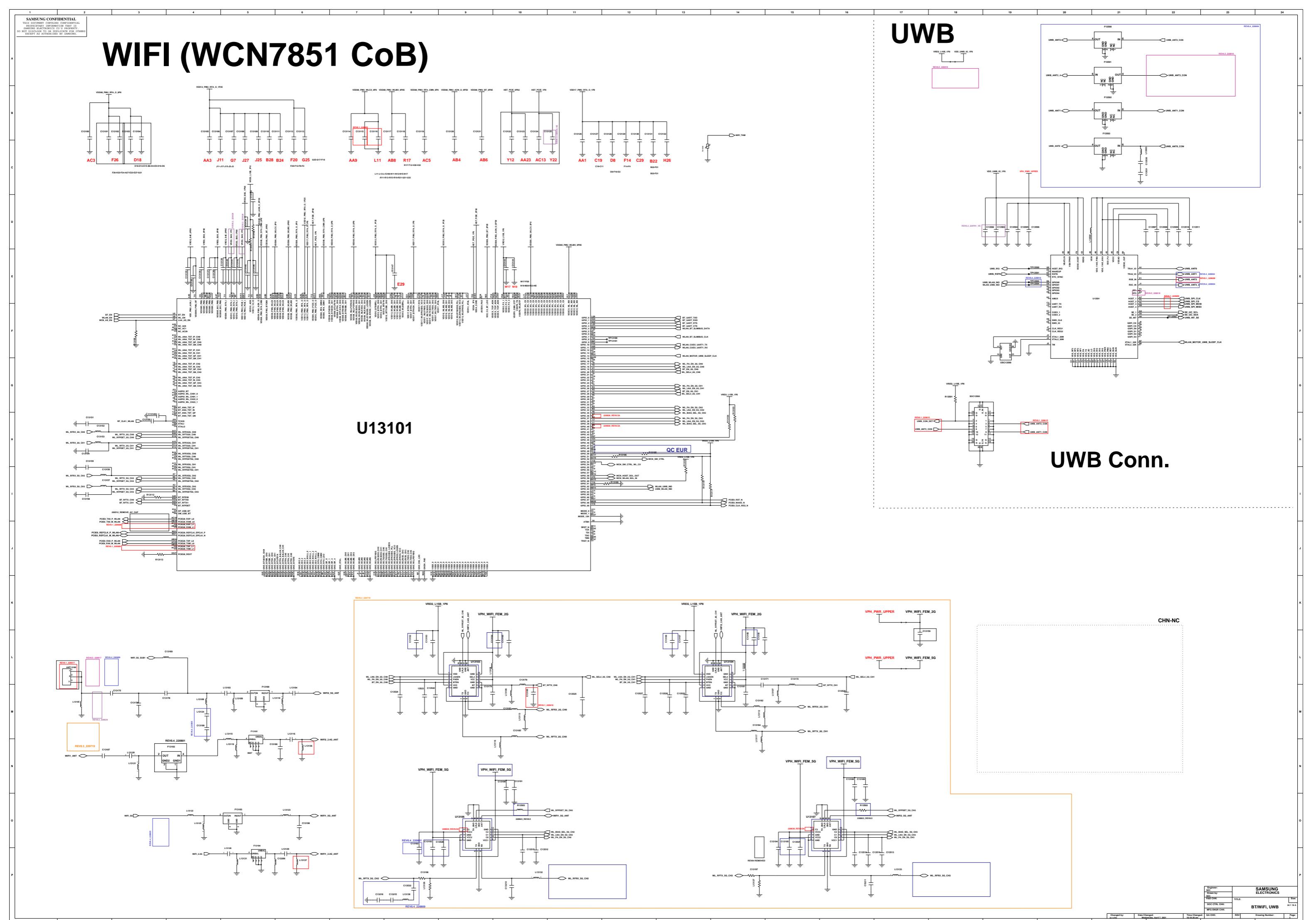
THERMISTERS



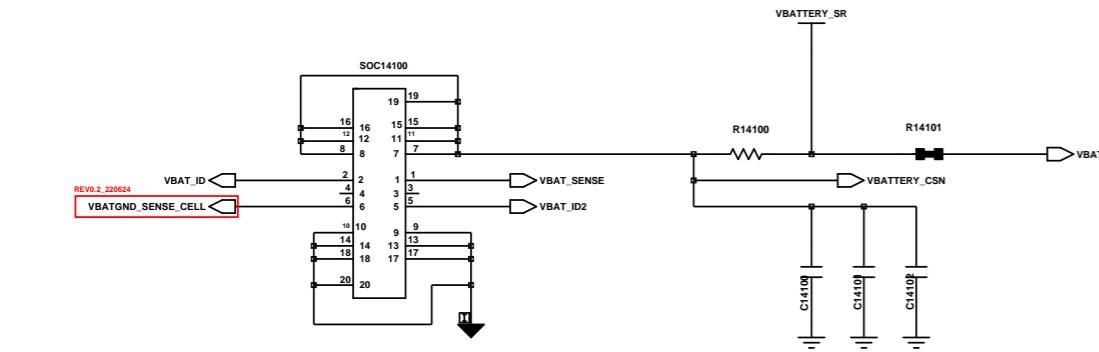
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Drawn by:	SEC
Reviewed by:	SEC
Approved by:	SEC
DOC CTRL:	SEC
WIFIS CTRL:	SEC
WIFIS ISSUE:	SEC
RF (1/2)	SEC

Chassis No: 0000 Date Drawn: 00/00/00 Date Checked: 00/00/00
Drawing No: 0000 Rev: 0000

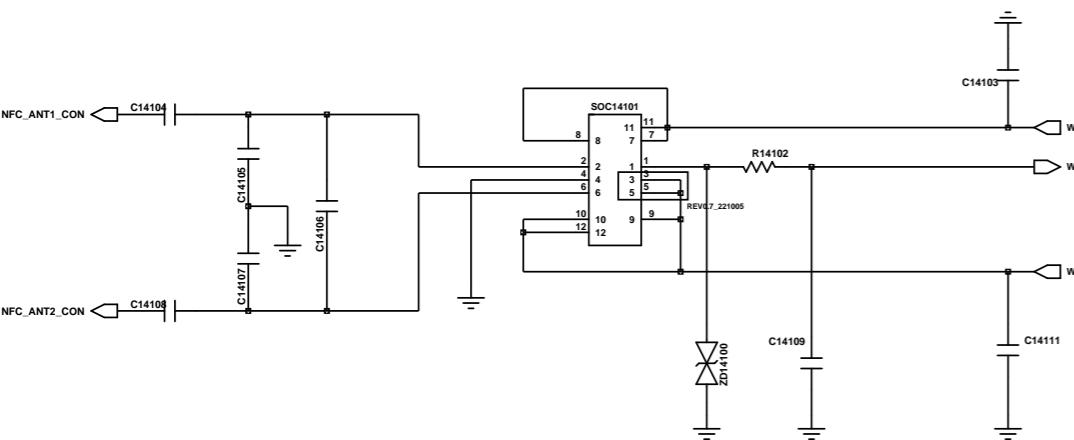




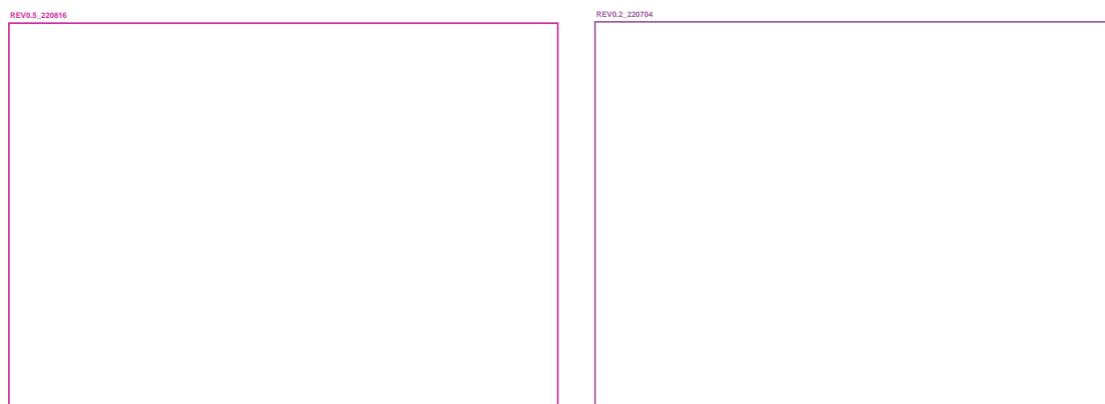
Power



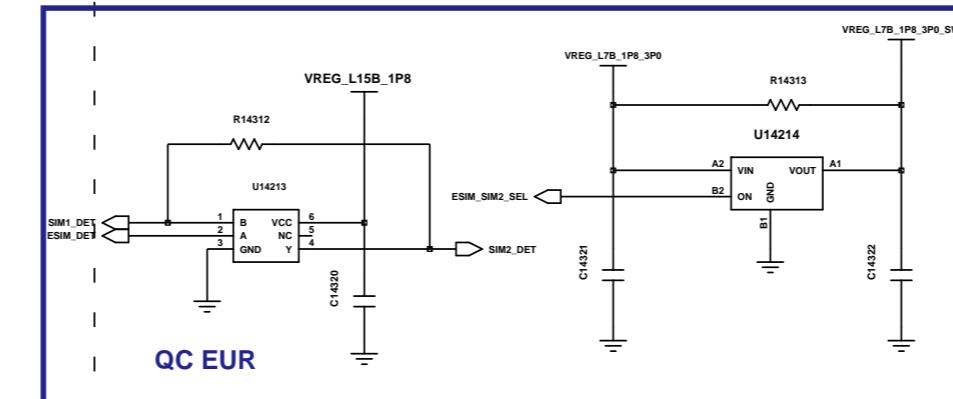
Battery Connector



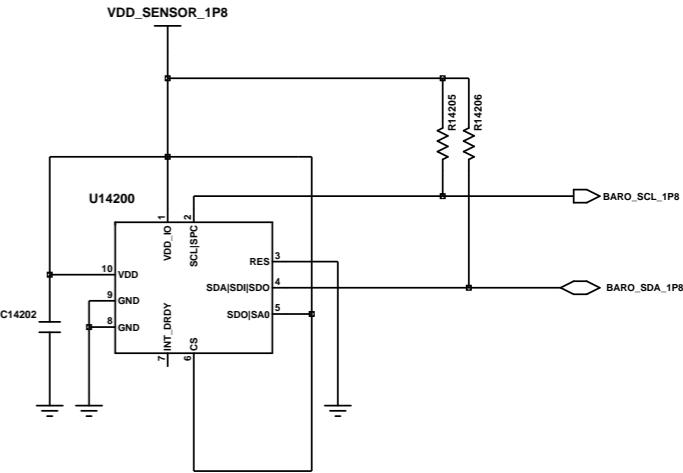
W/C CONNECTOR



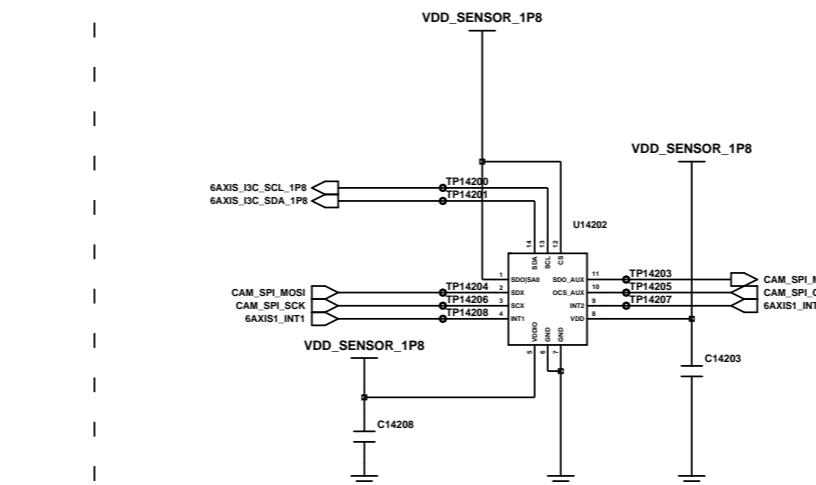
MST SW



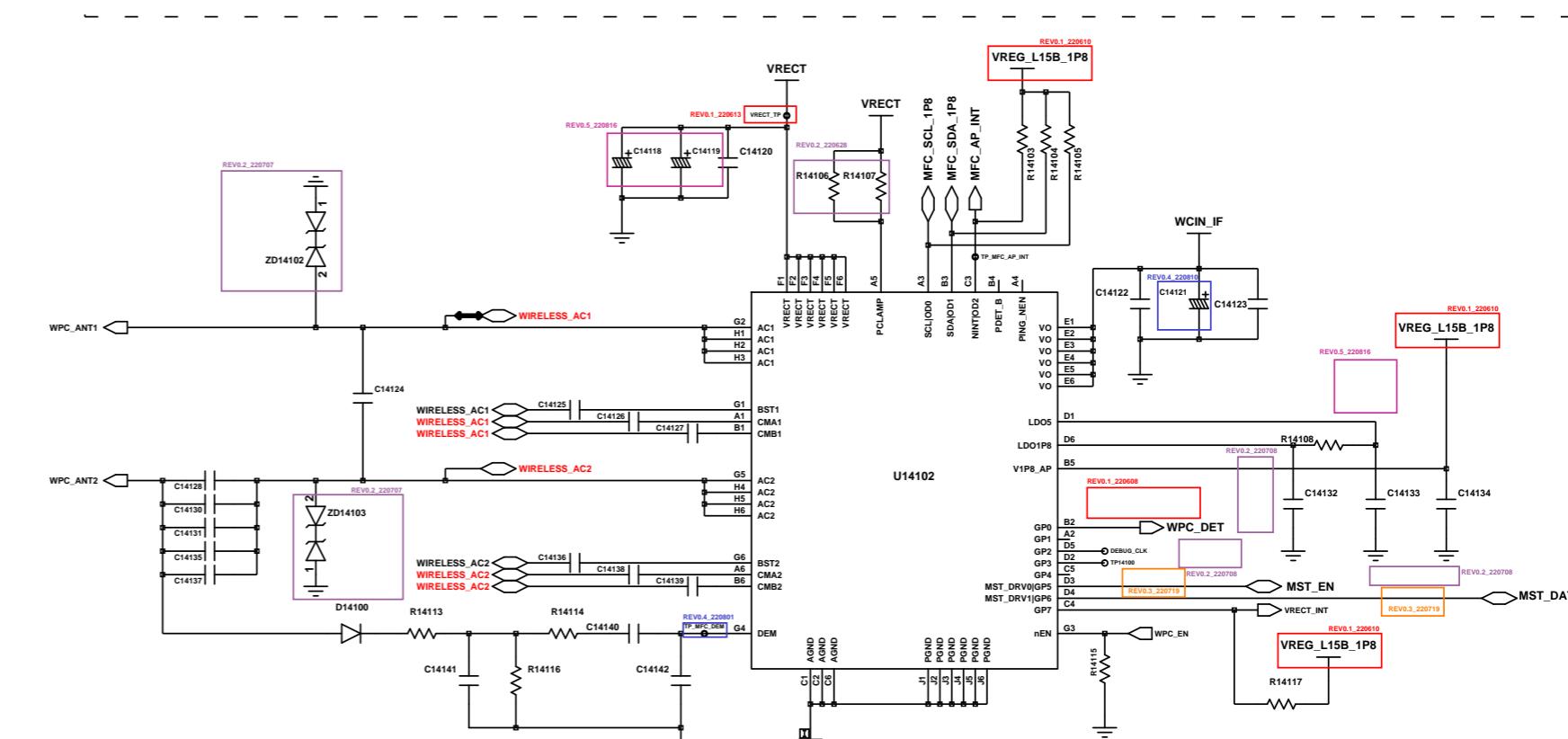
QC EUR



Barometer SENSOR



6 Axis SENSOR (GYRO,ACCEL)

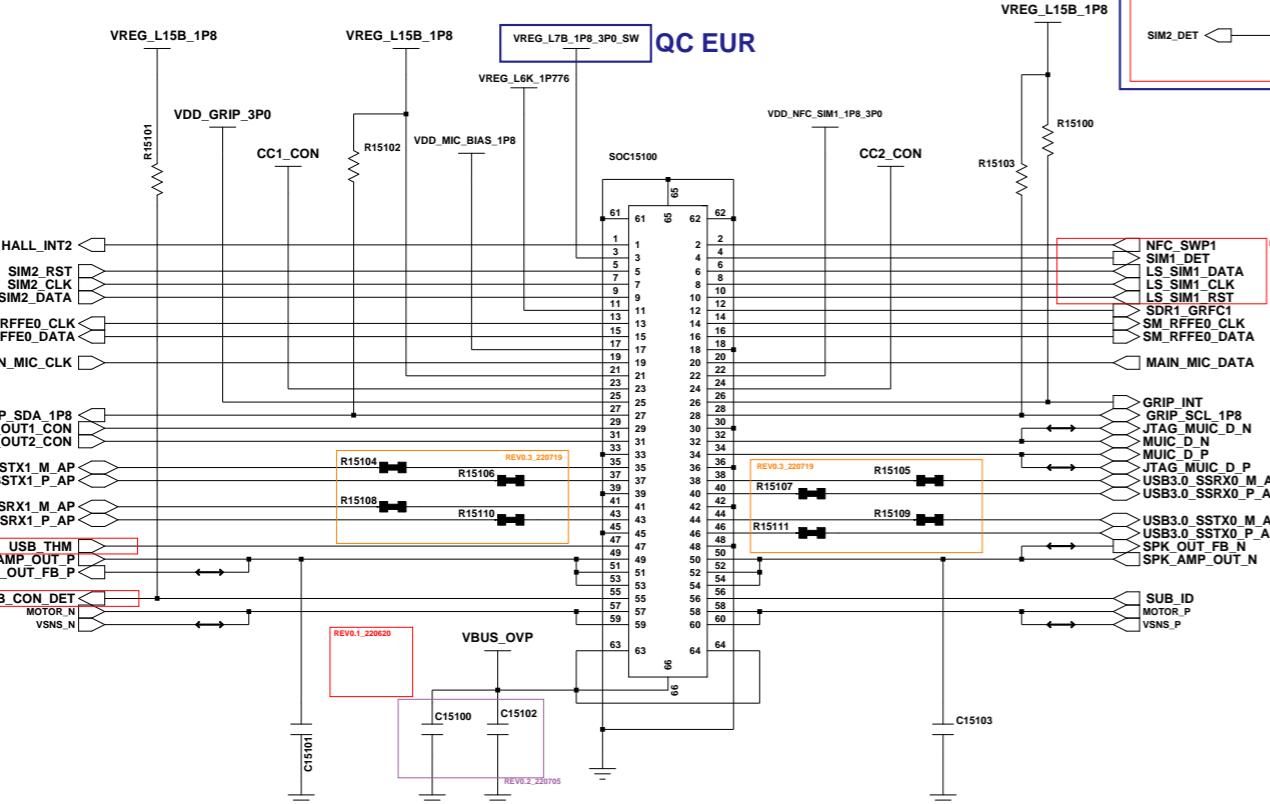


MFC

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R&D CHK:	SEC	
DOC CTRL CHK:	SEC	
MFG ENGR CHK:	SEC	
Size:	1218 A	
Title:	DM1_R00_M_RF_220511_START	
Page:	4	

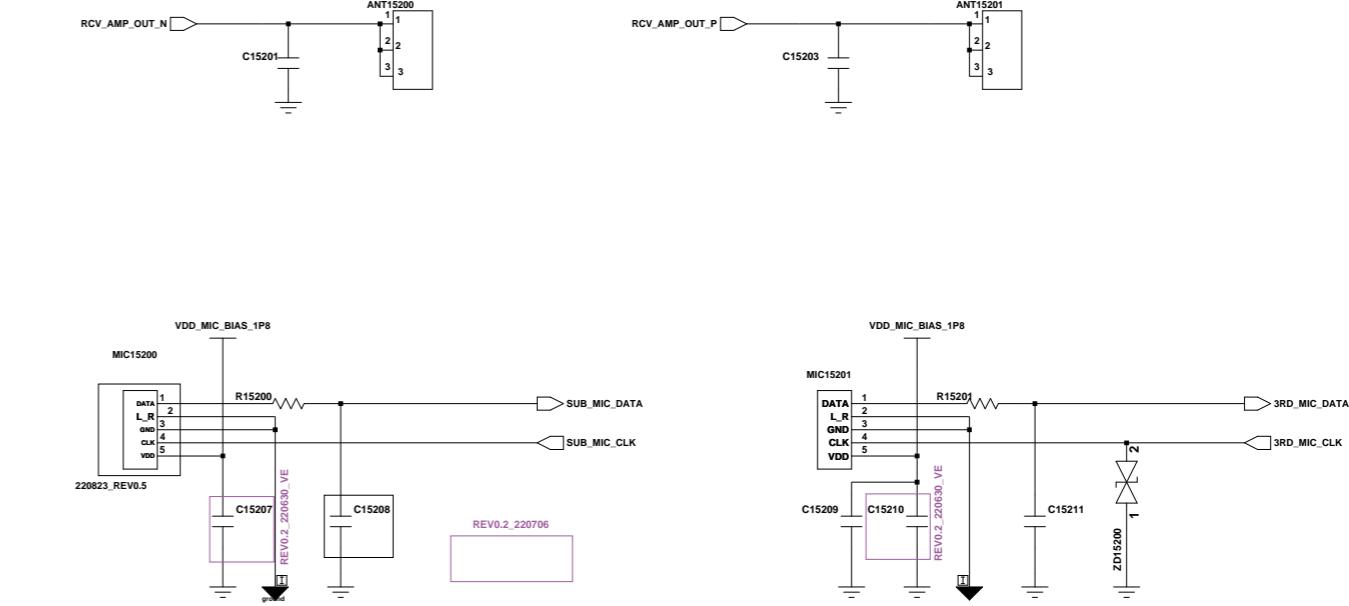
System

AUDIO



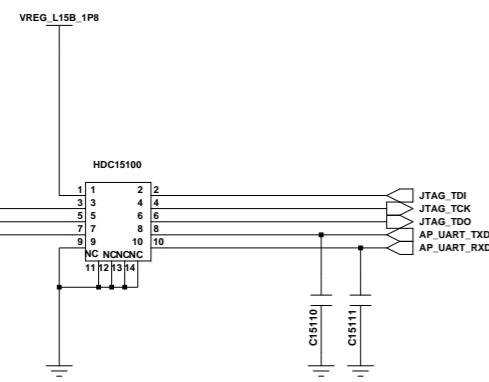
IF SUB PBA Conn

RCV Conn.



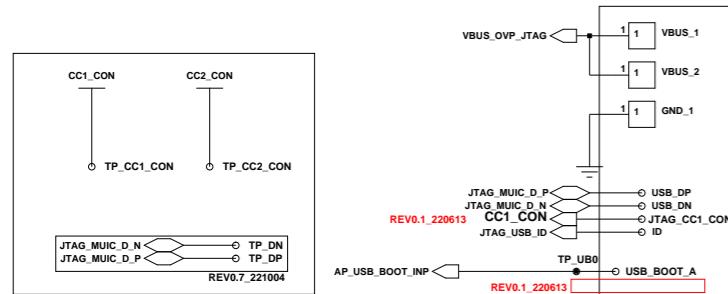
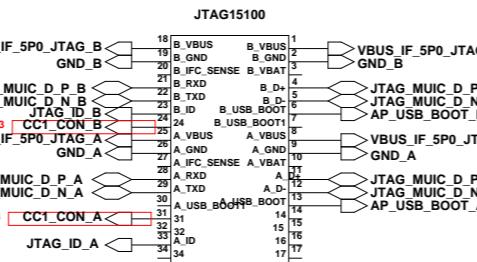
2nd MIC

3rd MIC

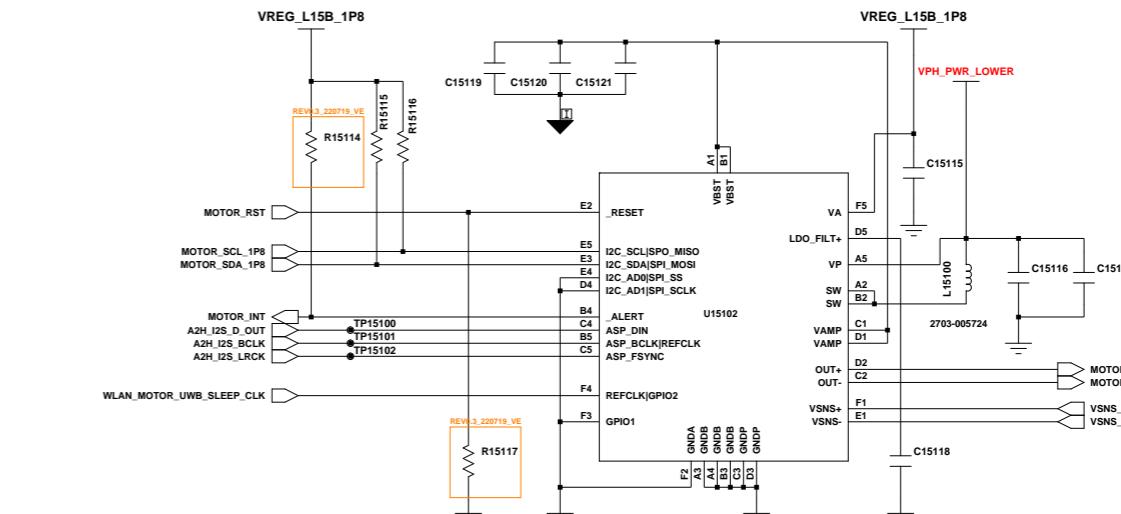


JTAG Conn

**CAUTION: PLACEMENT
Near to TP_AP_USB_BOOT**



PCB array JTAG

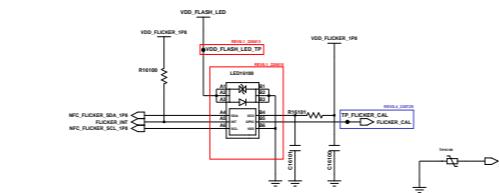


MOTOR DRV IC

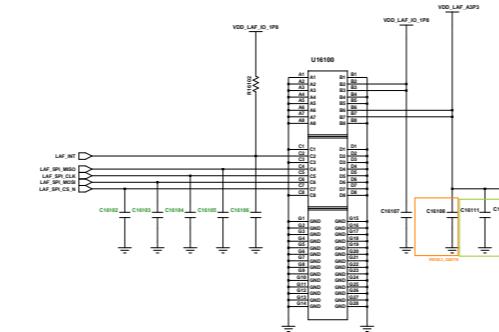
Engineer:	SAMSUNG ELECTRONICS	
Drawn by:	SEC	
R&D CHK:	SEC	
DOC CTRL CHK:	TITLE: AUDIO	
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CAMERA

CAM PMIC (PB02)



Flash & Flicker sensor



RANGING sensor

Wide CAM

Tele CAM

ULTRA WIDE CAM

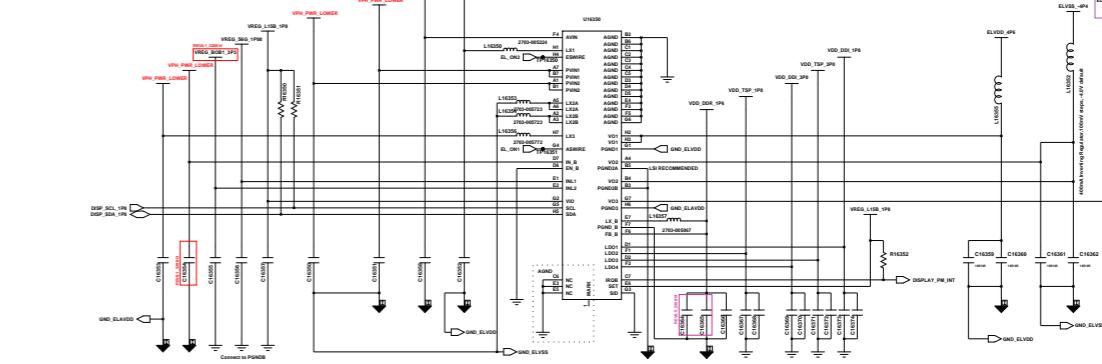
FRONT CAM

CAM MCU

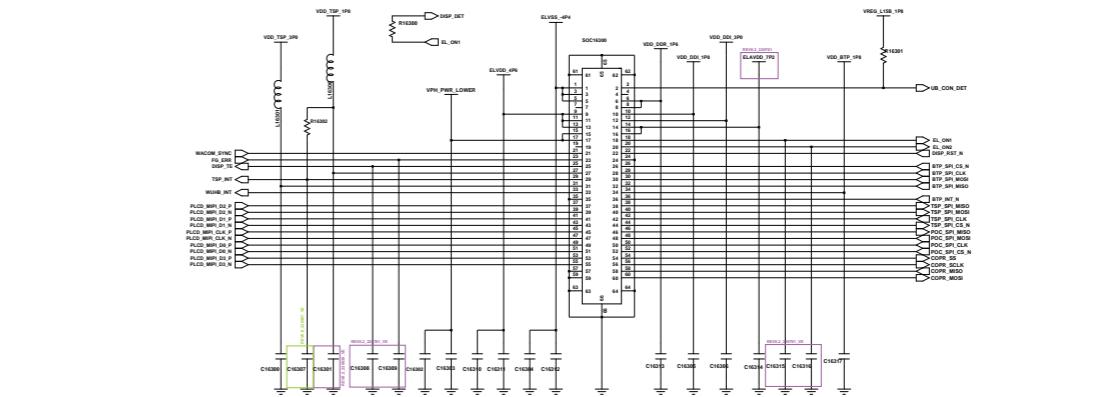
Visual

DISPLAY

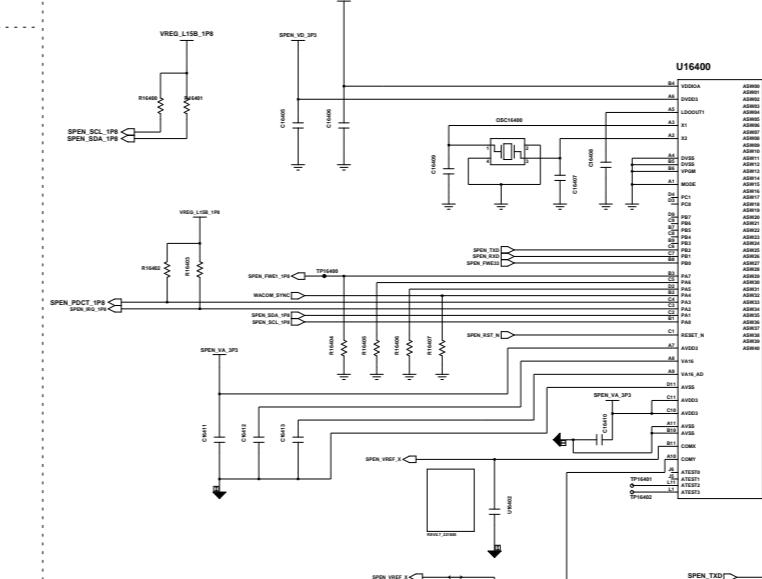
Visual



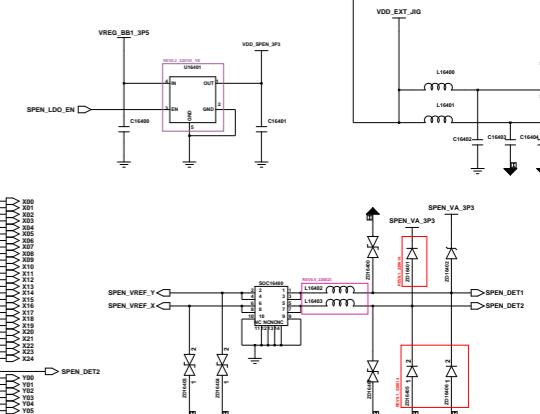
DISPLAY PMIC



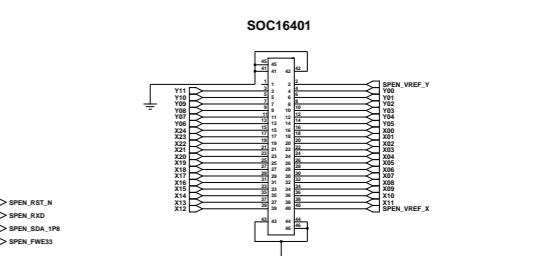
DISPLAY CONNECTOR



DIGITIZER(WEZ02)

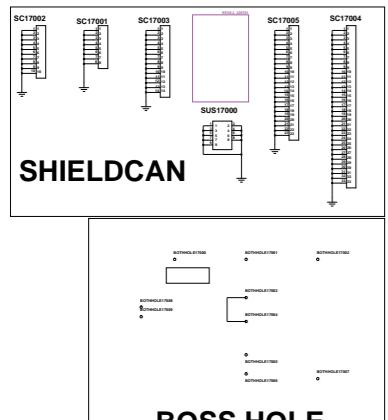
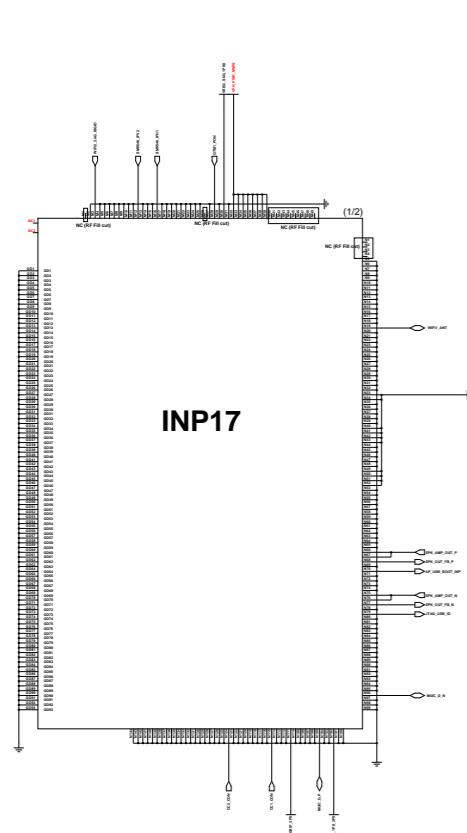


SPEN_DET



DIGITIZER CONN.

INTERPOSER Design

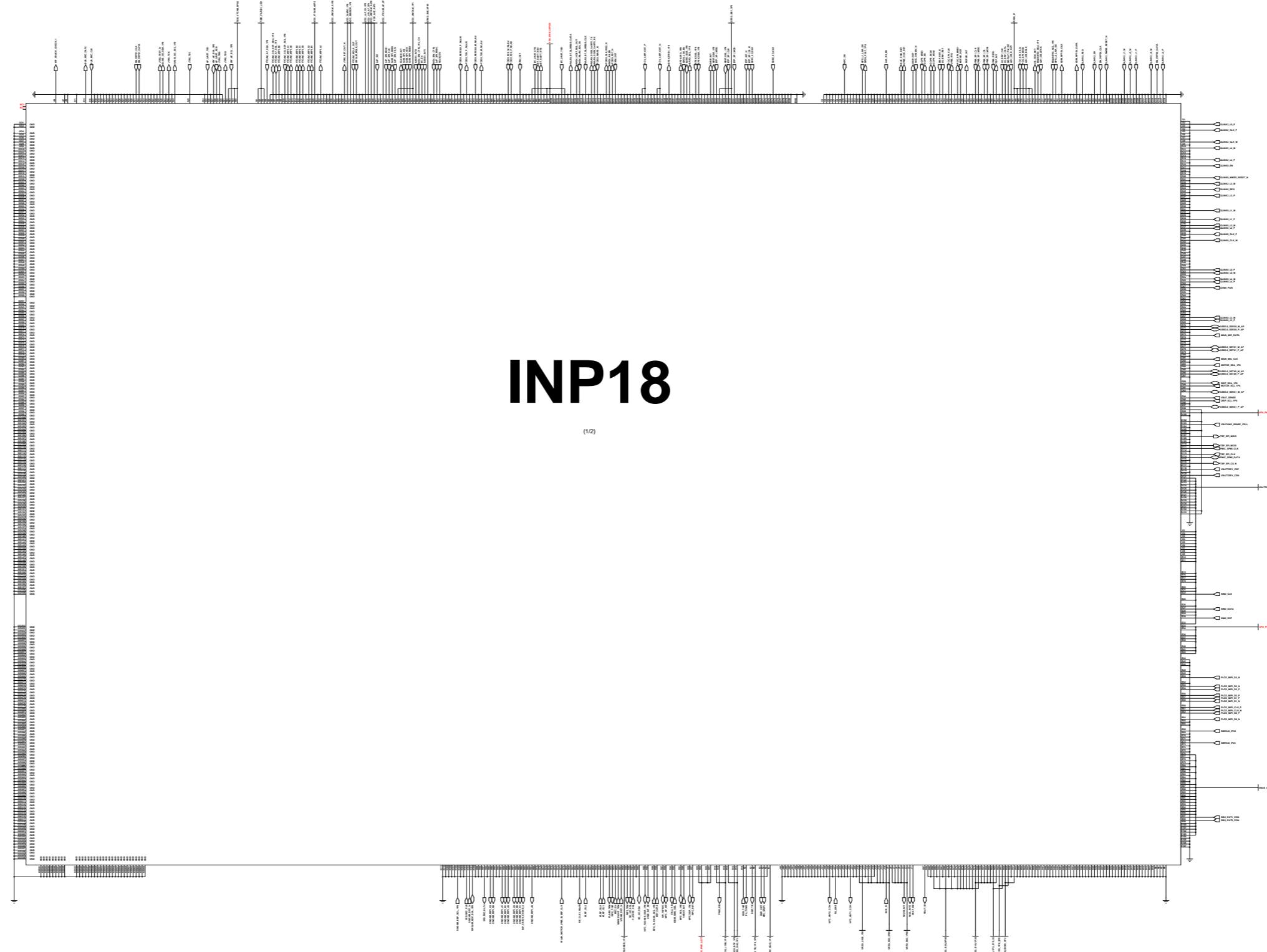


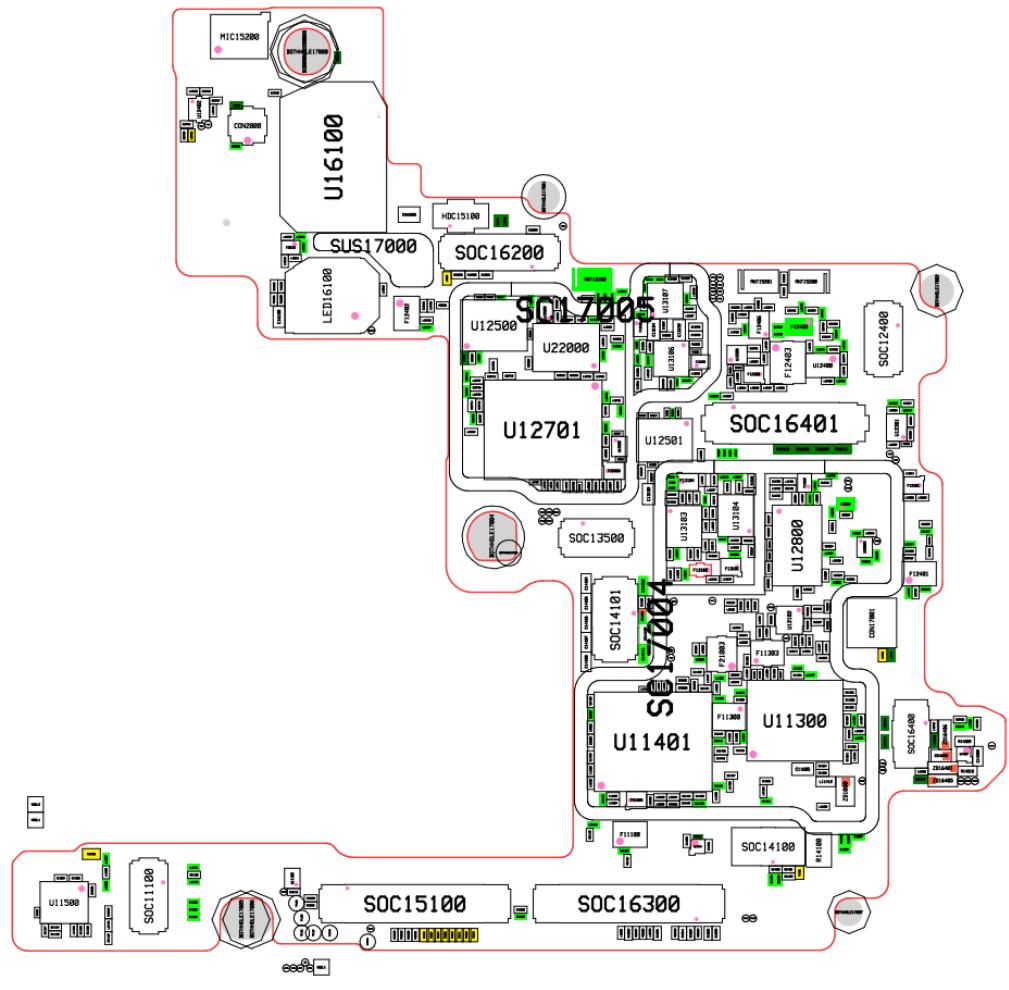
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0	L	L	L	N/A	mmW	
1	L	L	H	N/A	CAN_Sub6	
2	L	H	L		CHN_SUB6	
3	H	L	L		JPN_mmW	
4	H	L	L		JPN_mmW	
5	H	L	H		KOR_Sub6	
6	H	H	L		EUR_Sub6	
7	H	H	H		N/A	

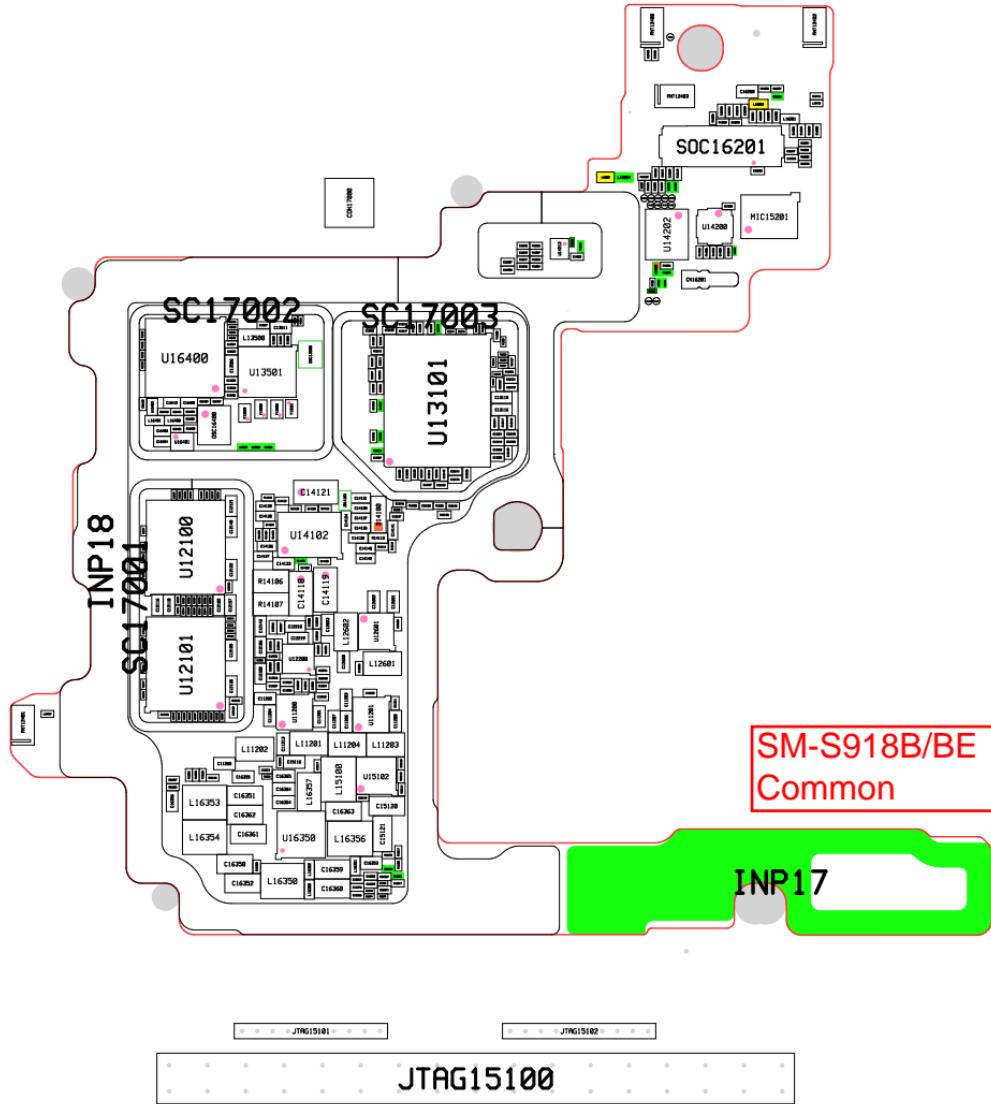
M_RF_ID

RF CHECK, RF CHECK, RF CHECK, RF CHECK





**SM-S918B/BE
Common**



DM3 EUR IFSUB PBA

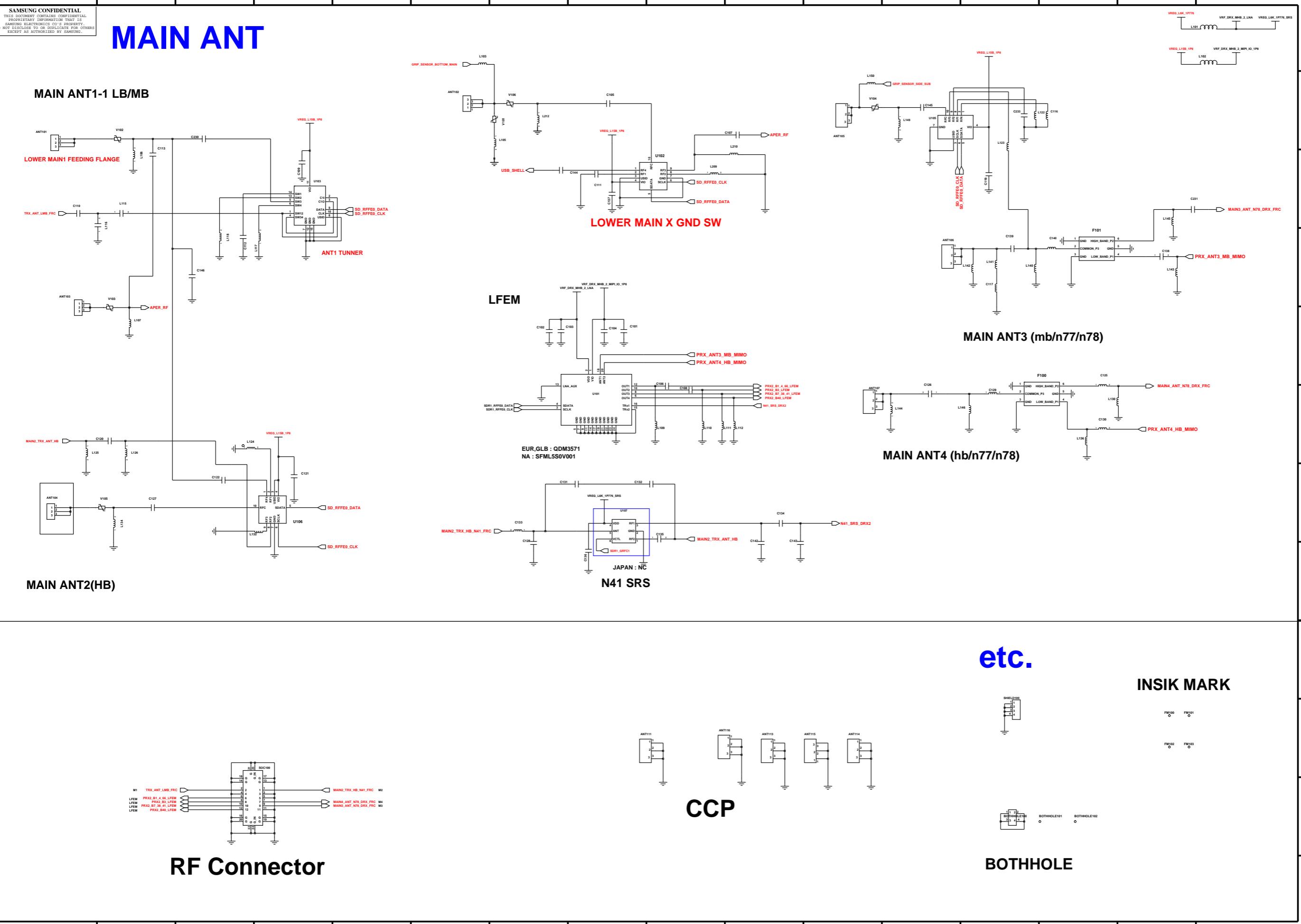
2022. 09. 27

sheet01 : ANT

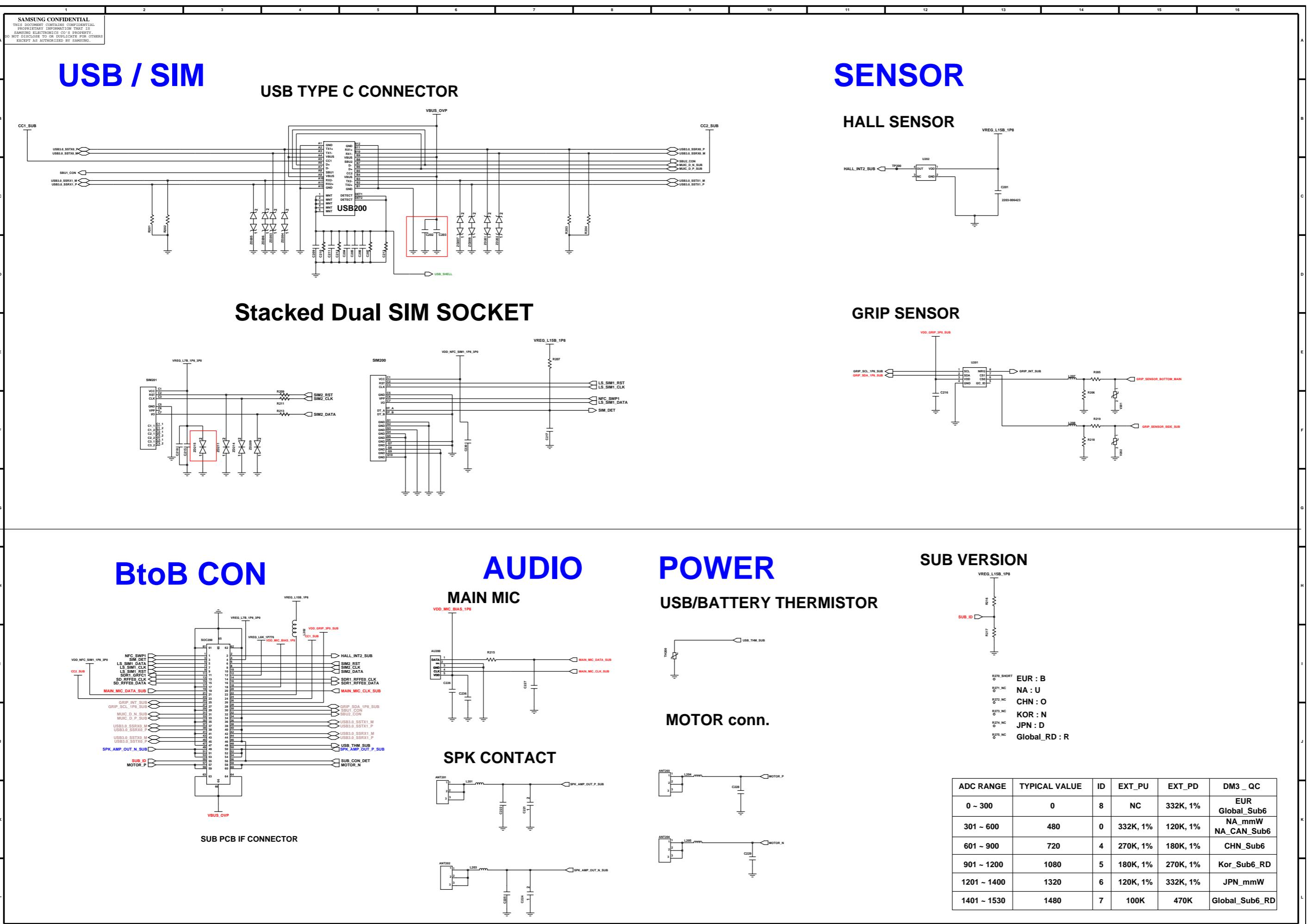
sheet02 : LOGIC

Engineer:	
Drawn by:	
R&D CHK:	TITLE:
DOC CTRL CHK:	Size:
MFG ENGR CHK:	L

LOWER USB PBA



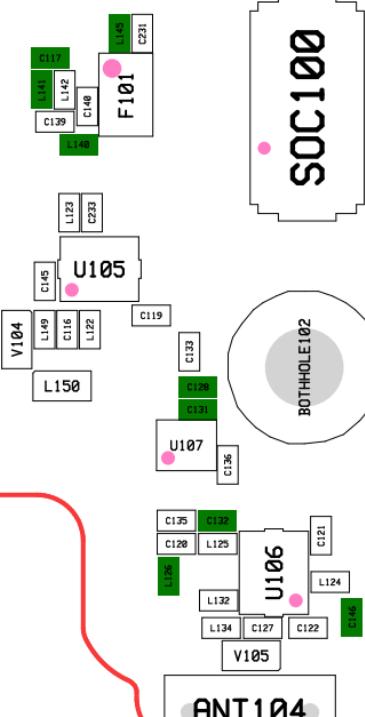
LOWER USB PBA



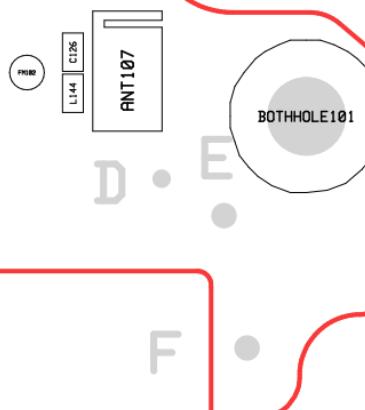
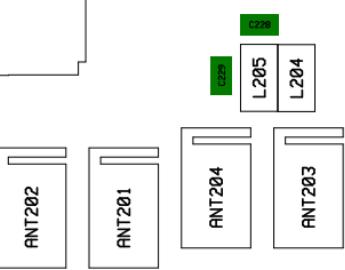
SM-S918B/BE
Common

REF1,NC
REF2,NC
REF3,NC
REF4,NC
REF5,NC

PRIO



SOC200



B

B

B

B

B

B

SM-S918B/BE
Common

USB200

SHIELD100

ANT113

U202

ZD201
ZD202
ZD203
ZD204
ZD205
ZD206
ZD207
ZD208

SIM200

SIM201

