

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>														
B															
C	<div>SM-S901E_M_REV0.7E</div> <div>S901E Comm</div>														
D															
E															
F															
G															
H															
I															
J															
K															
L															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

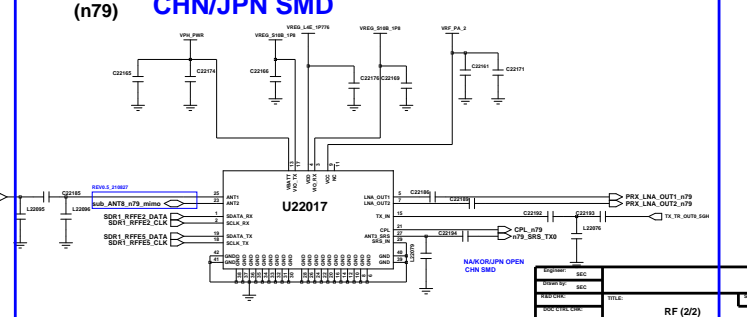
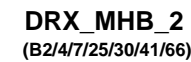
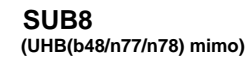
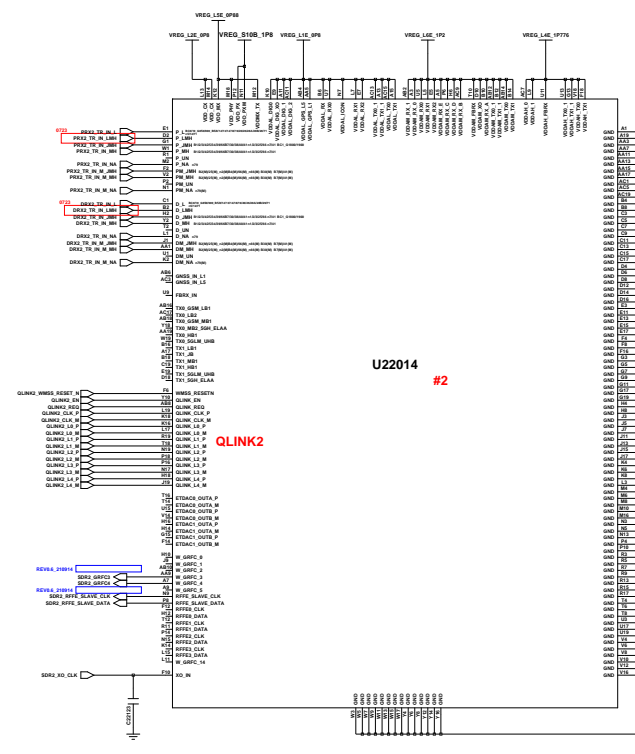
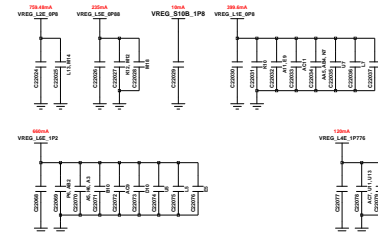
SM-S901E_M_REV0.7E



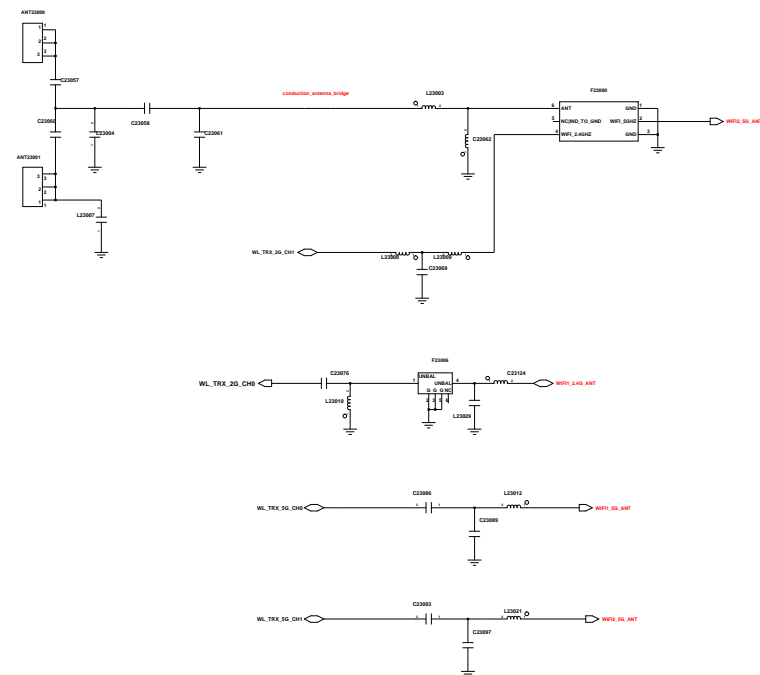
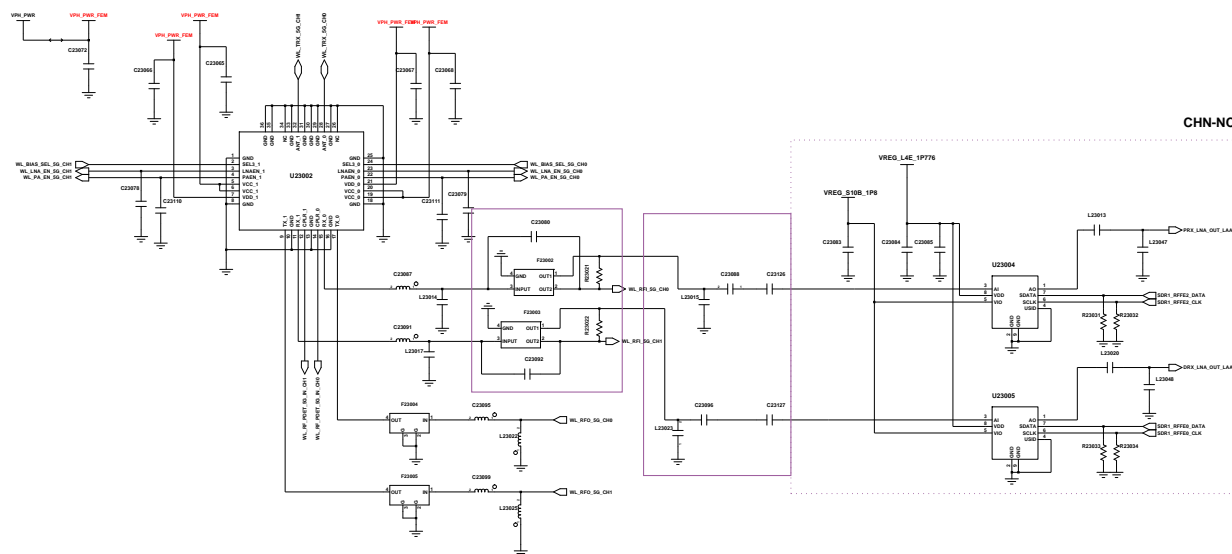
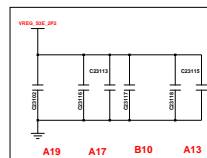
2021.11.29

- sheet01 : RF (1/2), FRC, ET
- sheet02 : RF (2/2), TRCV_SDR735, GPS, CCP
- sheet03 : WIFI
- sheet04 : PMR735A, mmWAVE Conn., W/C Conn., Battery Conn.
- sheet05 : Audio, IF SUB conn. , PCB JIG
- sheet06 : Sensor, UW/VT Camera, Display pmic
- sheet07 : Interposer, Shieldcan

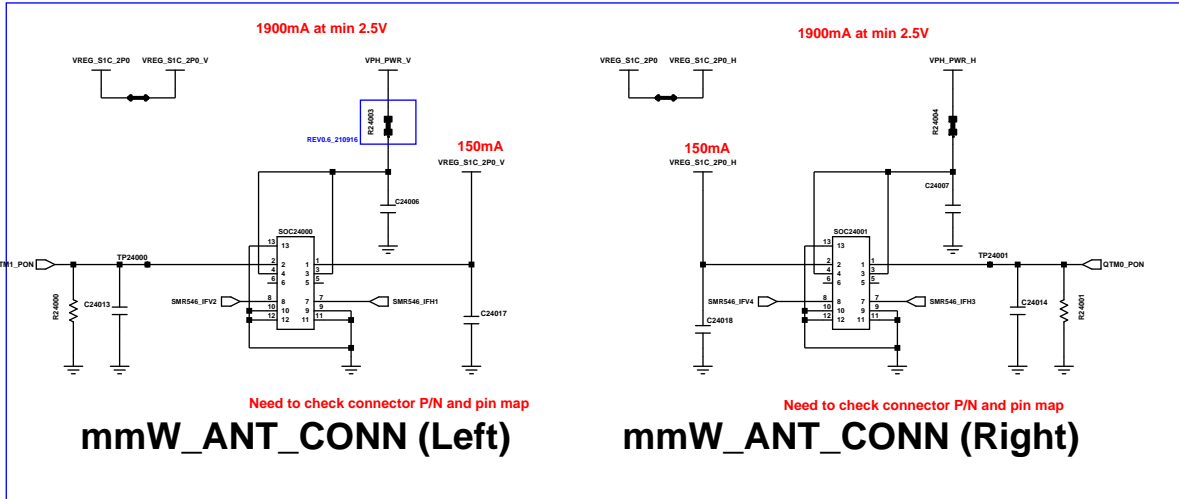
Engineer:			
Drawn by:			
RDG CHK:	TITLE:		Size:
DOC CTRL CHK:	UJ_SMB250		
MFG ENGR CHK:			
QA CHK:	REV:	Drawing Number:	Page:



UWB

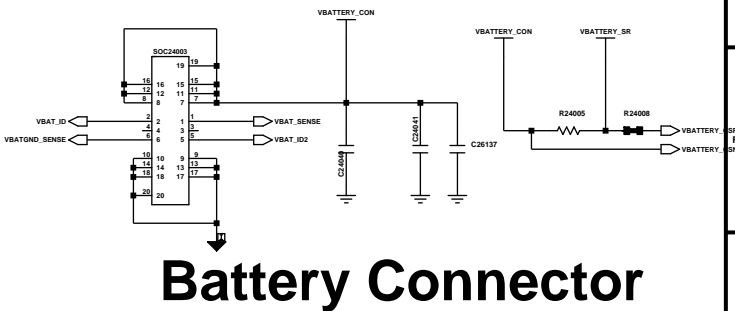
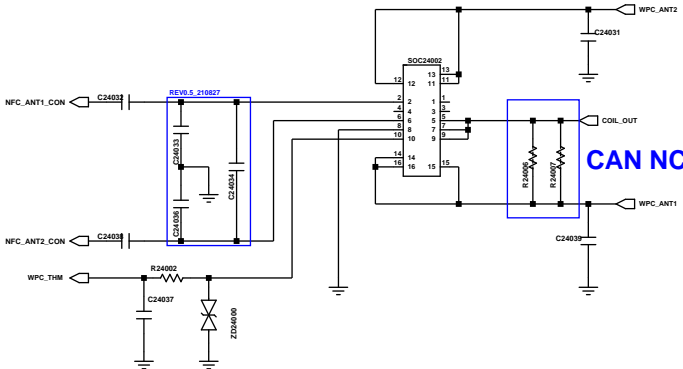
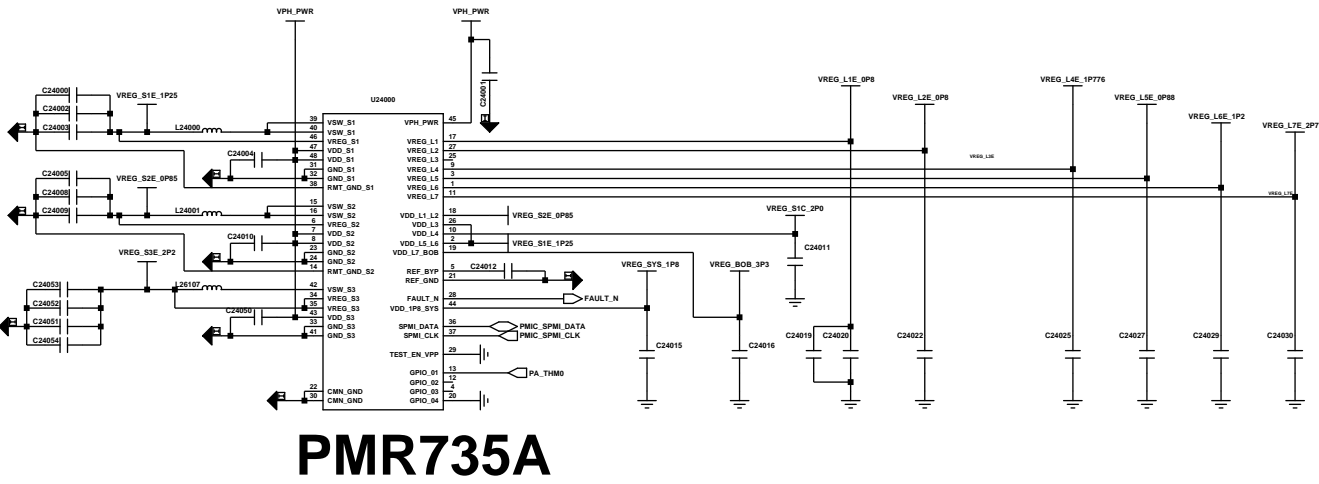


Radiation

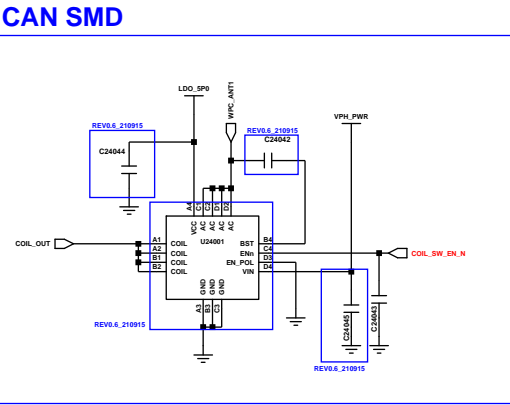


CAN OPEN

Power



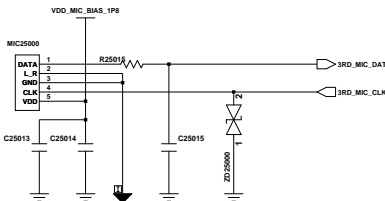
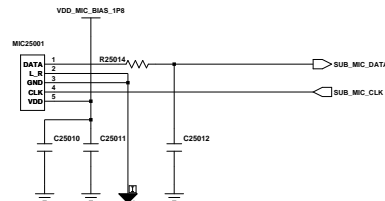
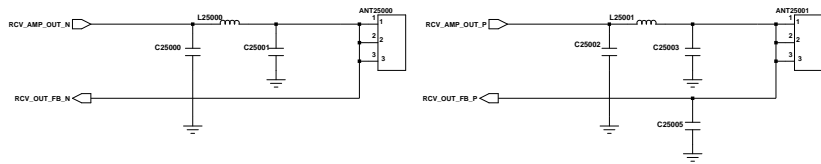
W/C CONNECTOR



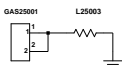
System

AUDIO

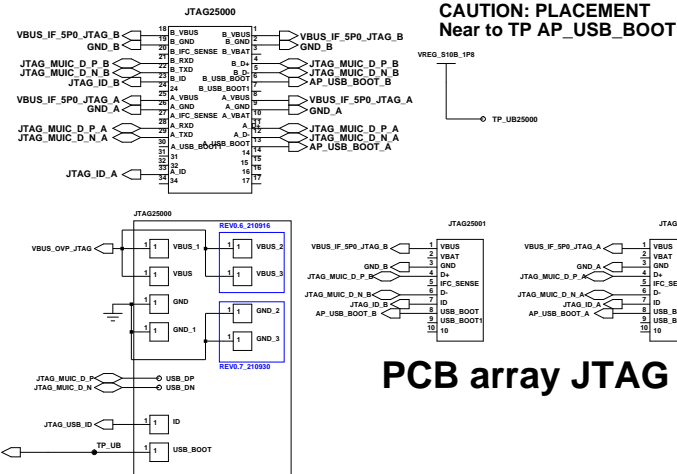
RCV Conn.



IF SUB PBA Conn

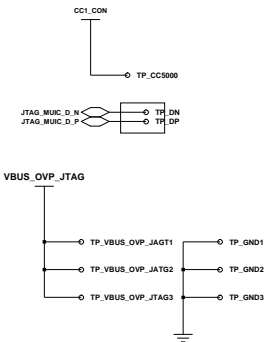


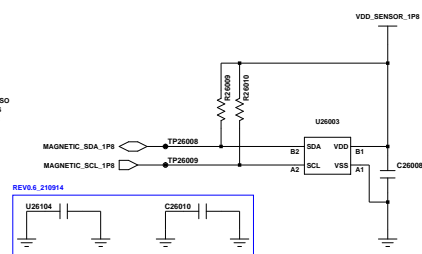
ESD PORON



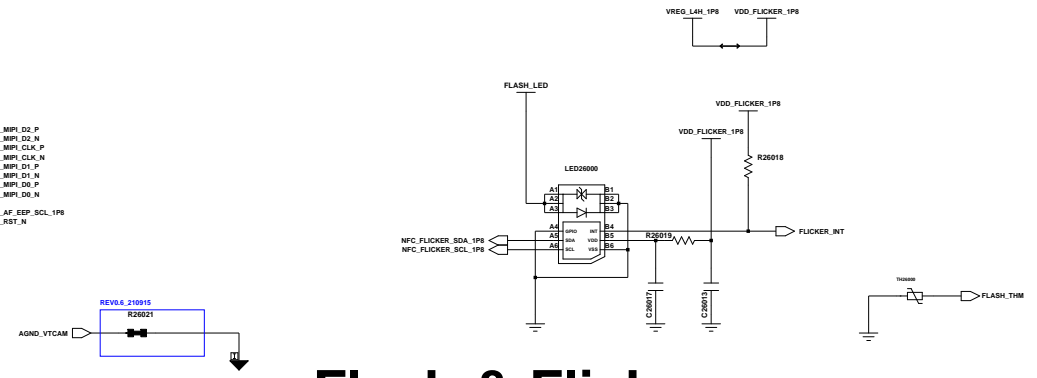
PCB array JTAG

FOR JIG

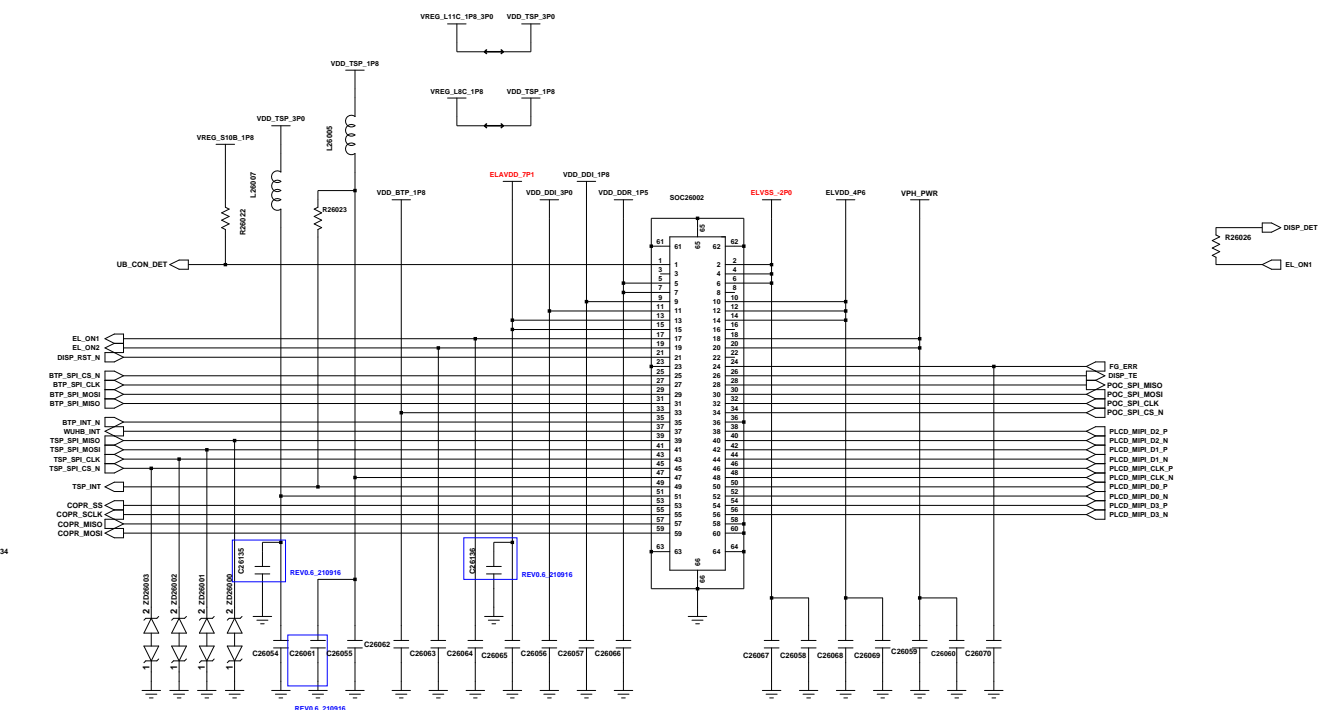




Magnetic SENSOR








Flash & Flicker sensor



DISPLAY CONNECTOR

INP270



NA (U)	
CAN (W)	
CHN (O)	
JPN (D)	
GLB (E)	



AP_GPIO_20		NR_DCI_PP2_EN
AP_GPIO_21		NR_DCI_PP2_EN
AP_GPIO_32		NR_SGR_1PE_EN
AP_GPIO_34		PODEV_WAKEN_N
AP_GPIO_143		HOST_AS_CTRL_N
AP_GPIO_144		WIL_SFREQ_CTRL_N
AP_GPIO_148		WILAN_COEX_I2AR
AP_GPIO_154		BT_WLAN_SW_CLK
AP_GPIO_155		BT_WLAN_SW_DAT

Changed by: kenneth kang	Date Changed: Monday, April 09, 2001	Time Changed: 2:08:12 pm	QA CHK:	REV	Drawing Number:	Page 12
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SM-S901U/S906U SECONDARY REV0.7A



2021. 11. 10

- SHEET01 : RF (1/2)
- SHEET02 : RF (2/2)
- 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)
- SHEET07 : AP PMIC, IF PMIC, Direct Charger, OVP IC
- SHEET08 : SPK AMP, MIC
- SHEET09 : CAM PMIC, CAM Conn., CAM MCU, DISPLAY PMIC, DISPLAY Conn.
- SHEET10 : RF PMIC, IF IC
- SHEET11 : SECONDARY INTERPOSER

MAIN FRC

MAIN1 ANT
(LB,MB,JPN B21)

MAIN2 ANT
(HB_n41)

MHB MIMO_LNA OUT

MAIN ANT3 (B48_n77/78/79)

THERMISTERS

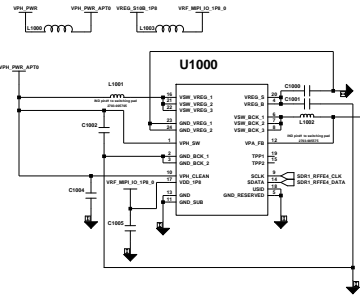
MAIN ANT4 (n77/78/79)

on MASTER PCB

Conduction

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

DRX_ANT

SUB6
(L1,MB,HB,N79)

on MASTER PCB

SUB2
(N77,N78)



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

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

on MASTER PCB

on MASTER PCB

Conduction

ENDC module

**GPS_L5**

on MASTER PCB

UHB
(n79)

on MASTER PCB

on MASTER PCB

UWB Conn.

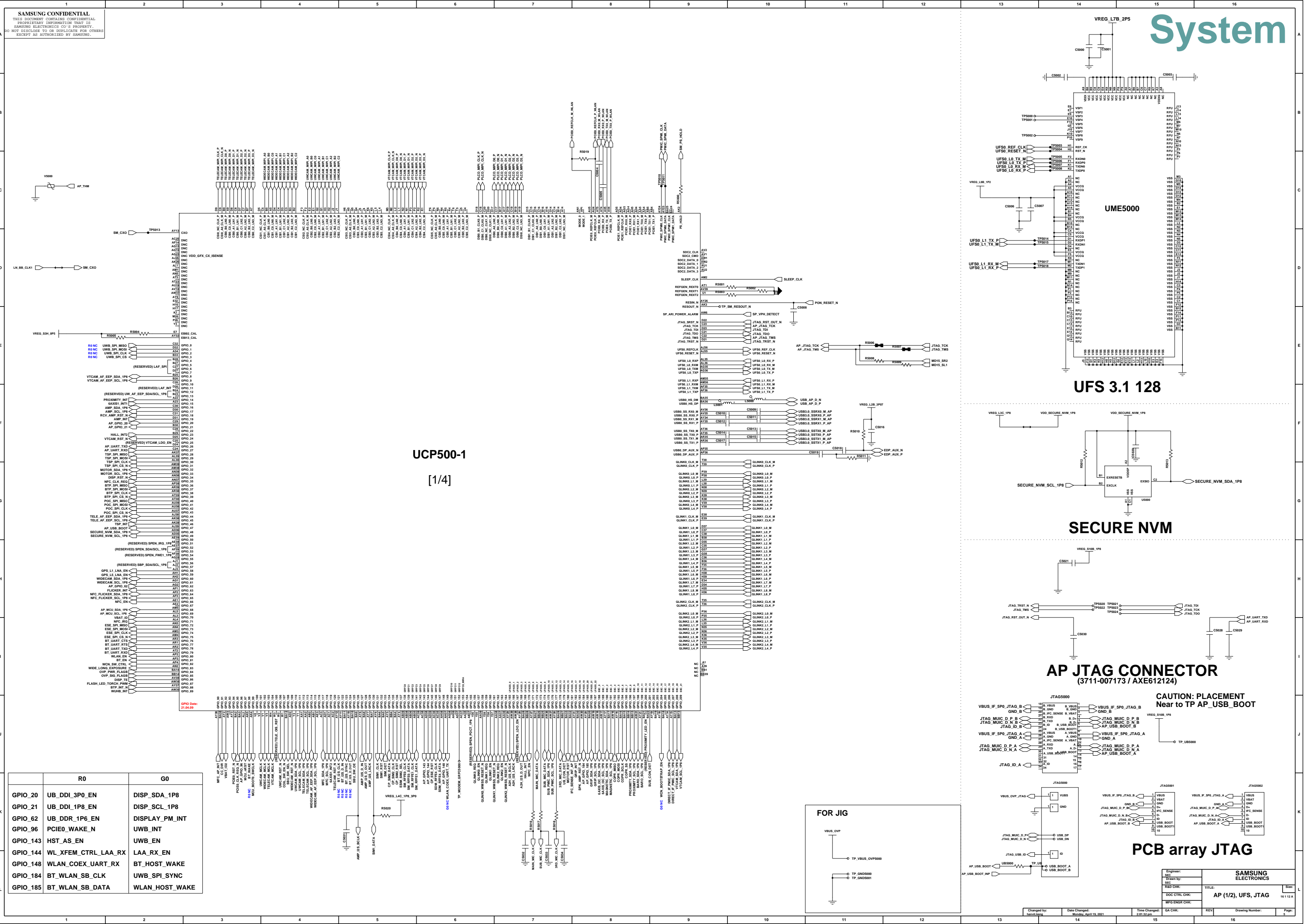


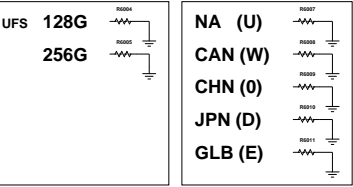
on MASTER PCB



System

Visual





[illegible]

RCV AMP



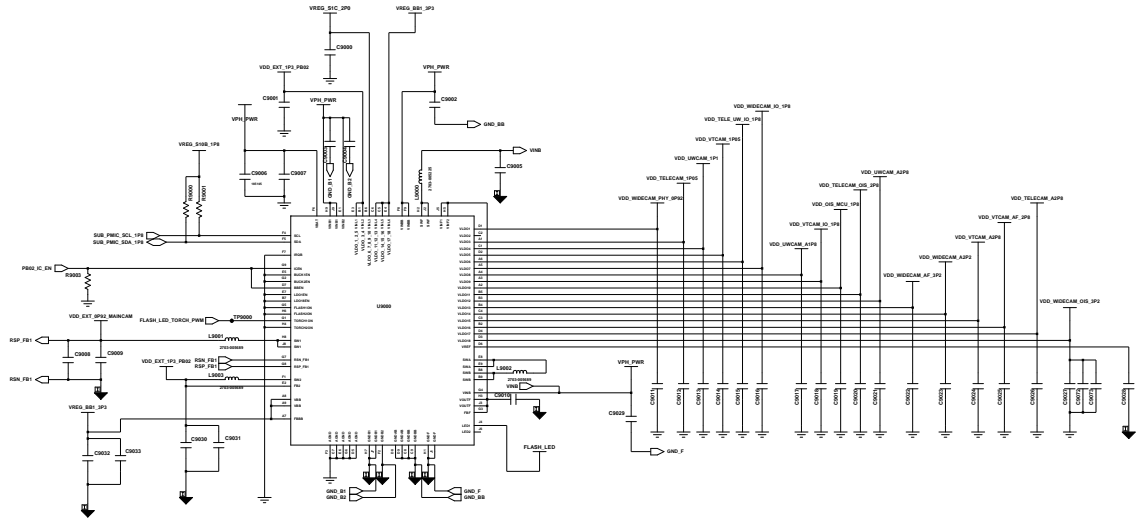
on MASTER PCB



SPK AMP

Changed by: hanvit.kang	Date Changed: Monday, April 19, 2021	Time Changed: 1:57:58 pm	QA CHK:	REV:	Drawing Number:	Page: 8
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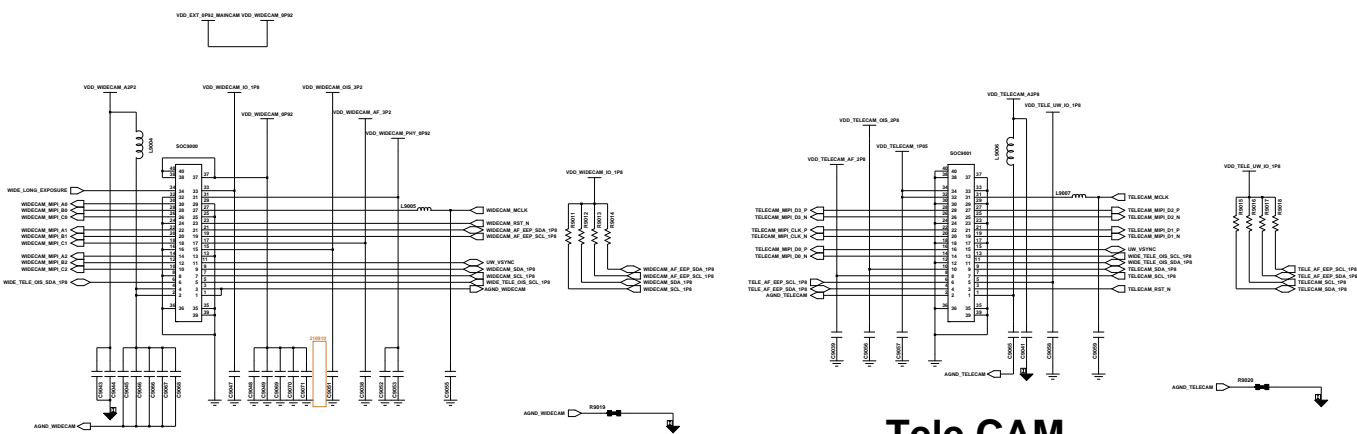
CAMERA



CAM PMIC (PB02)

Flash & Flicker sensor

MainCAM LDO



Wide CAM

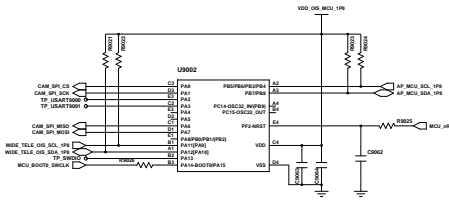
Tele CAM

on MASTER PCB

ULTRA WIDE CAM

FRONT CAM

CAM MCU



DISPLAY

Visual

DISPLAY PMIC

on MASTER PCB

DISPLAY CONNECTOR

RF PMIC

NA/JPN SMD
CAN/CHN/GLB NC

Power

on MASTER PCB

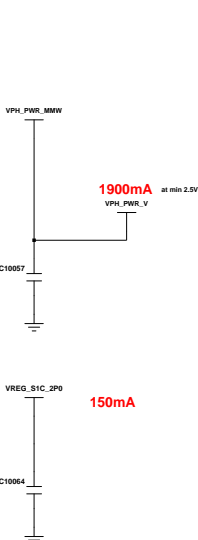
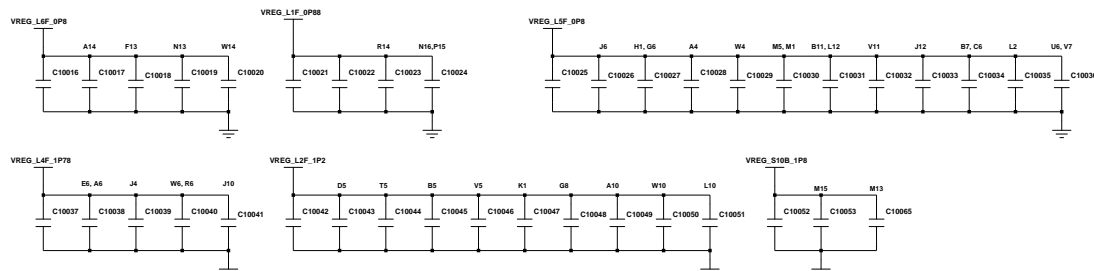
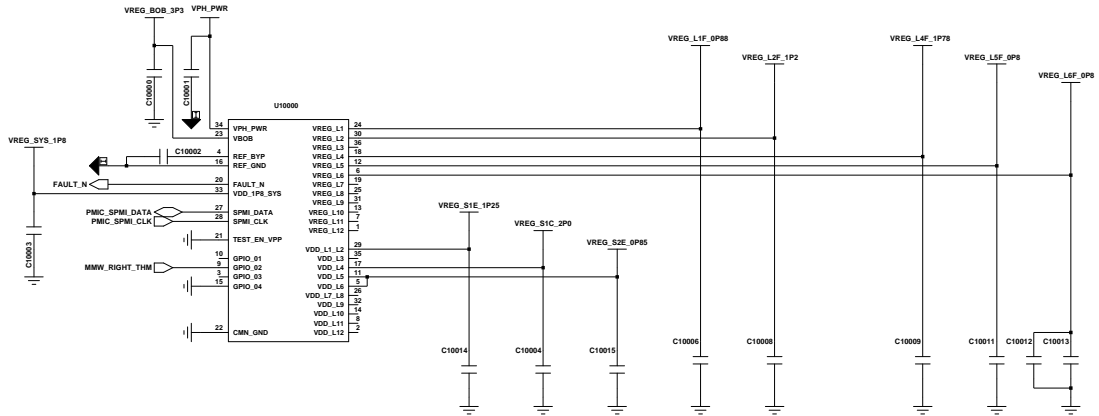
PMR735A

5G IFIC (SMR546)

NA/JPN SMD
CAN/CHN/GLB NC

PMR735B

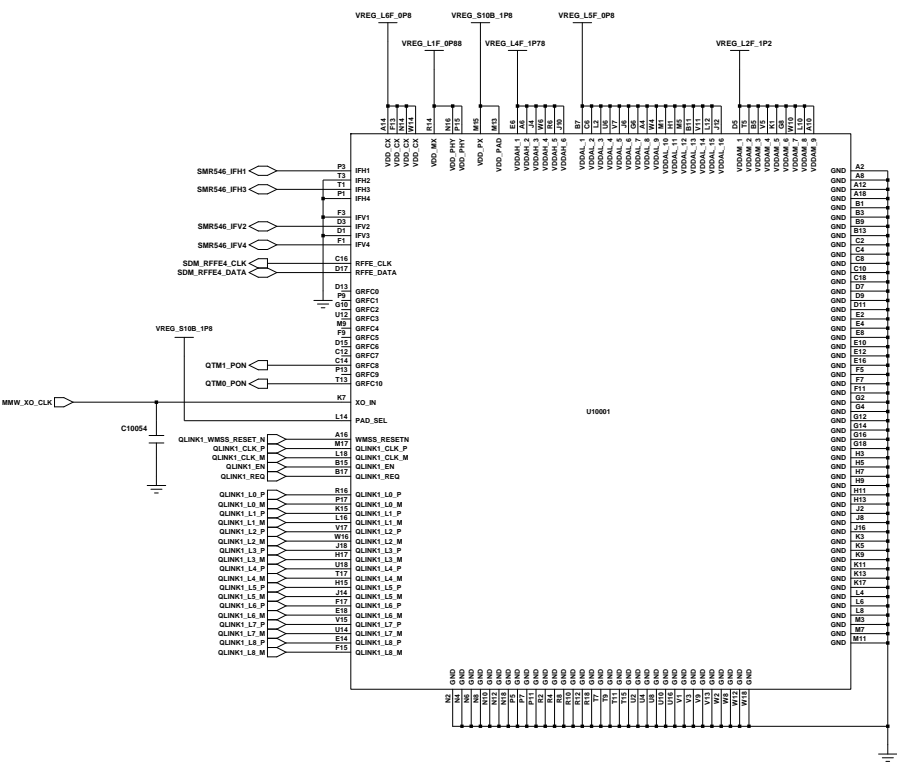
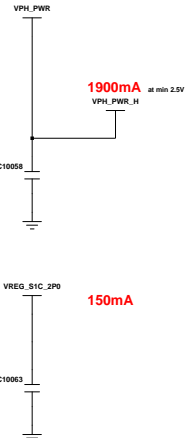
Radiation



on MASTER PCB

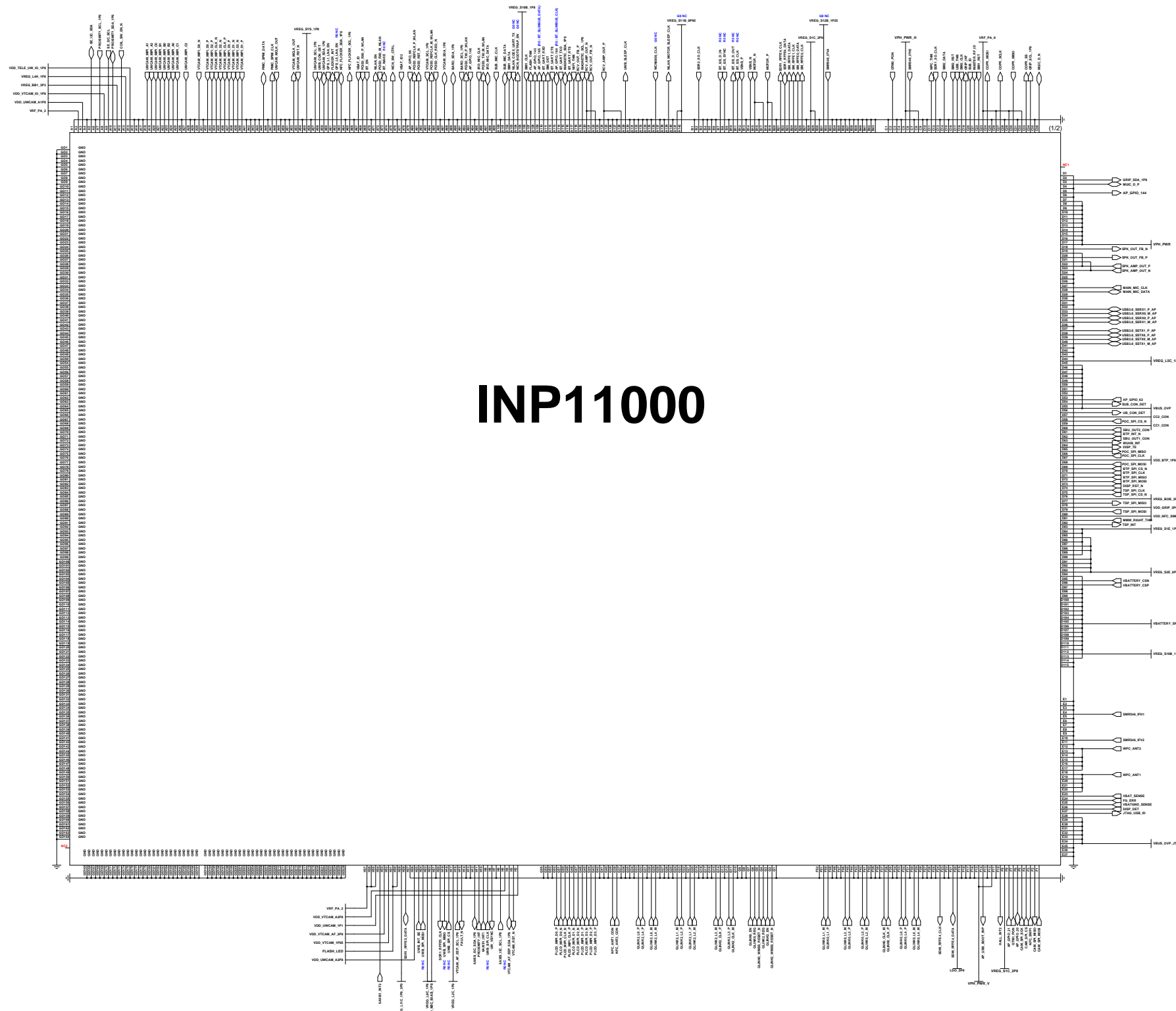
mmW_ANT_CONN (Left)

mmW_ANT_CONN (Right)



INTERPOSER

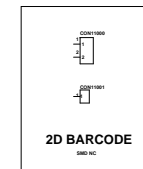
Design



INP11000



SHIELD CAN



BOSS HOLE

	R0	G0
GPIO_20	UB_DDI_3P0_EN	DISP_SDA_1P8
GPIO_21	UB_DDI_1P8_EN	DISP_SCL_1P8
GPIO_62	UB_DDR_1P6_EN	DISPLAY_PM_INT
GPIO_96	PCIE0_WAKE_N	UWB_INT
GPIO_143	HST_AS_EN	UWB_EN
GPIO_144	WL_XFEM_CTRL_LAA_RX	LAA_RX_EN
GPIO_148	WLAN_COEX_UART_RX	BT_HOST_WAKE
GPIO_184	BT_WLAN_SB_CLK	UWB_SPI_SYNC
GPIO_185	BT_WLAN_SB_DATA	WLAN_HOST_WAKE

Side etching open



JTAG5002

JTAG5000

NP 22222

ES901E Comm