SAMSUNG CONFIDENTIAL
THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.
NOT DISCLOSE TO OR DUPLICATE FOR OTHER:
EXCEPT AS AUTHORIZED BY SAMSUNG.

# **SM-S901U\_M\_REV0.7E**

SM-S901U Common

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:
Urrain by:

RED CHK:

TITLE:

DOC CFRIC CHK:

WE DISK CHK:

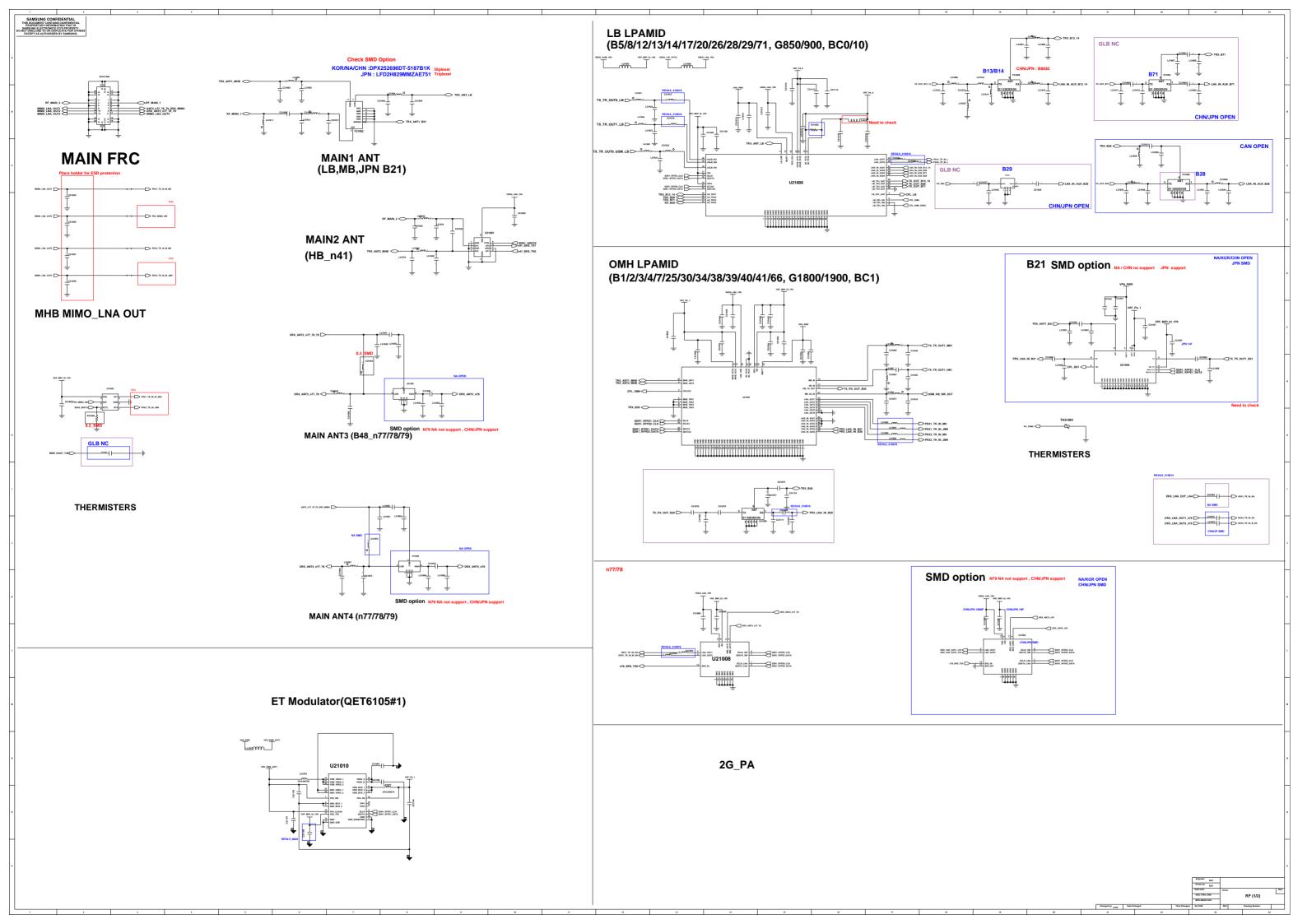
U\_SM6369

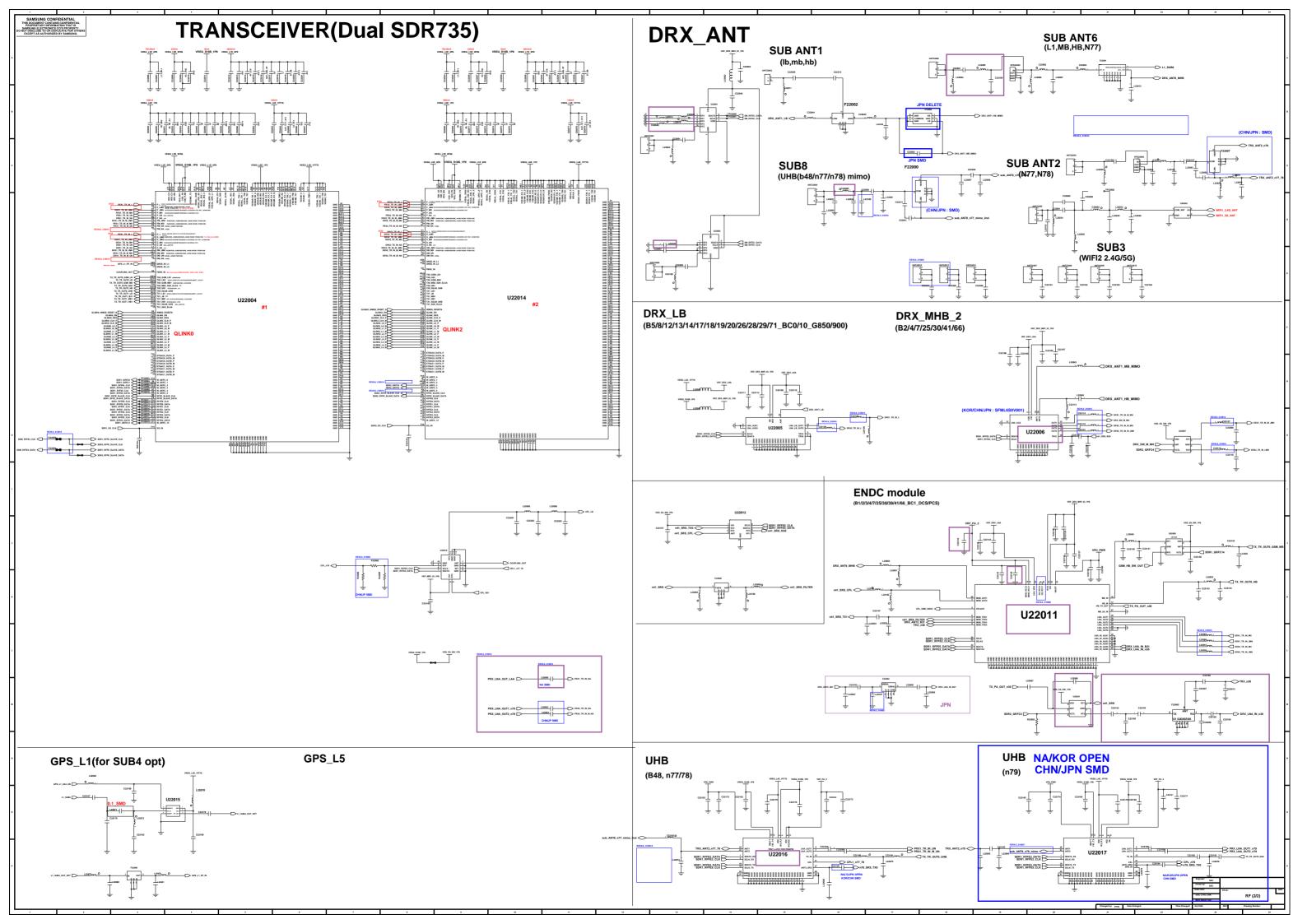
MFG DHSK CHK:

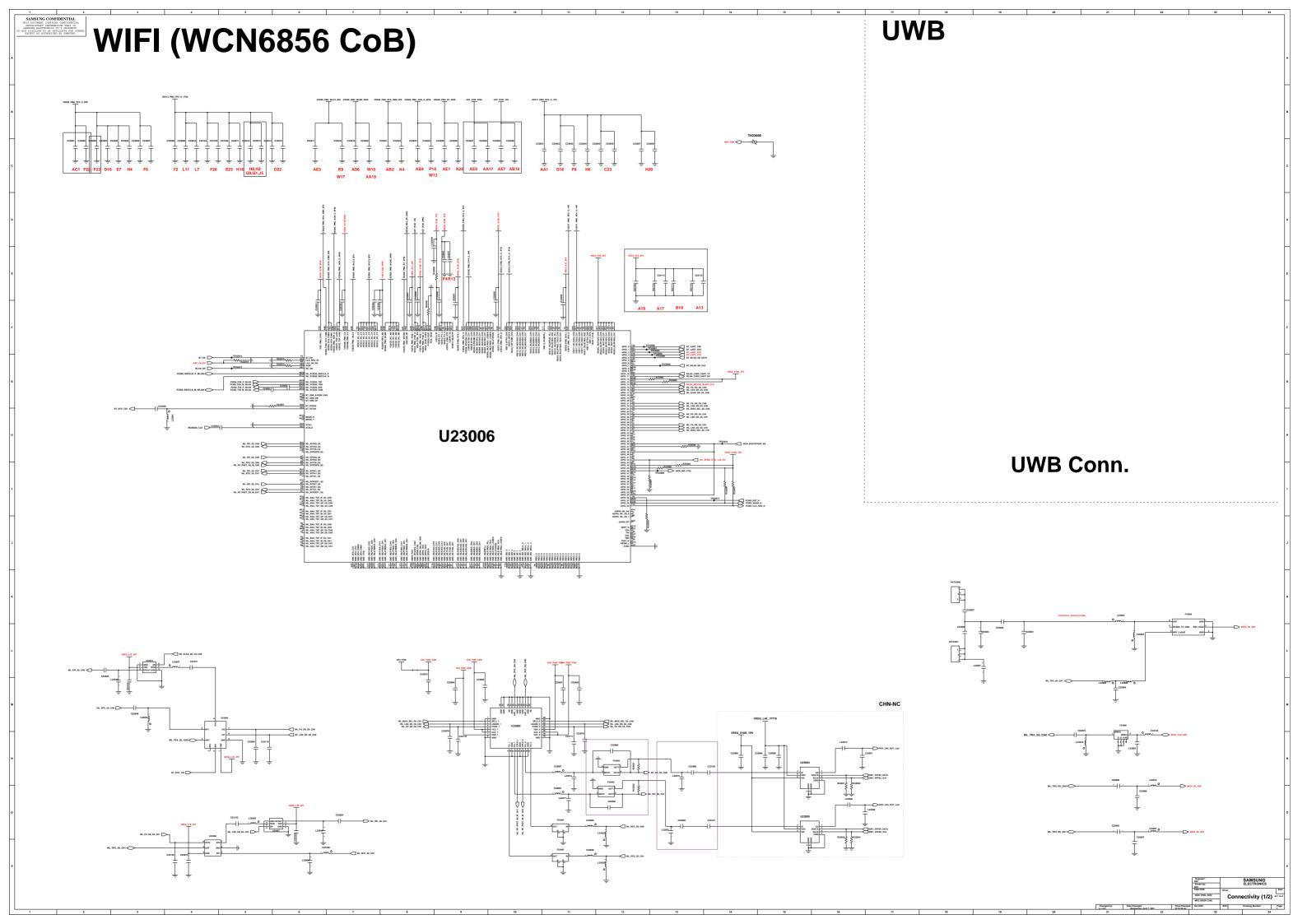
REV Drawing Number:

Page 10 Changed:

Drawing Number:







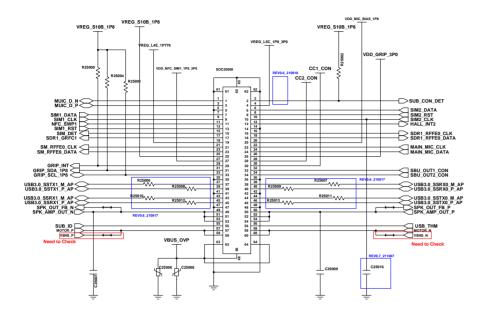
**Power** Radiation **PMR735A** mmW\_ANT\_CONN (Left) mmW\_ANT\_CONN (Right) CAN OPEN Battery Connector CAN SMD W/C CONNECTOR

SAMSUNG CONFIDENTIAL

THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPRETY.

D NOT DISCLOSE TO OR DUPLICATE FOR OTHERS
EXCEPT AS AUTHORIZED BY SAMSUNG.

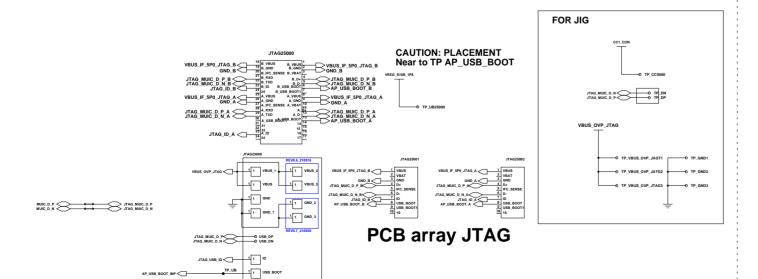
# **System**



#### **IF SUB PBA Conn**

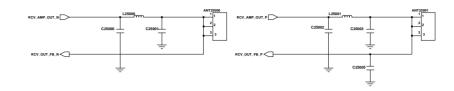


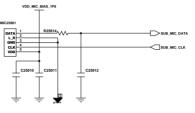
#### **ESD PORON**



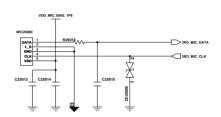
## **AUDIO**

#### **RCV Conn.**

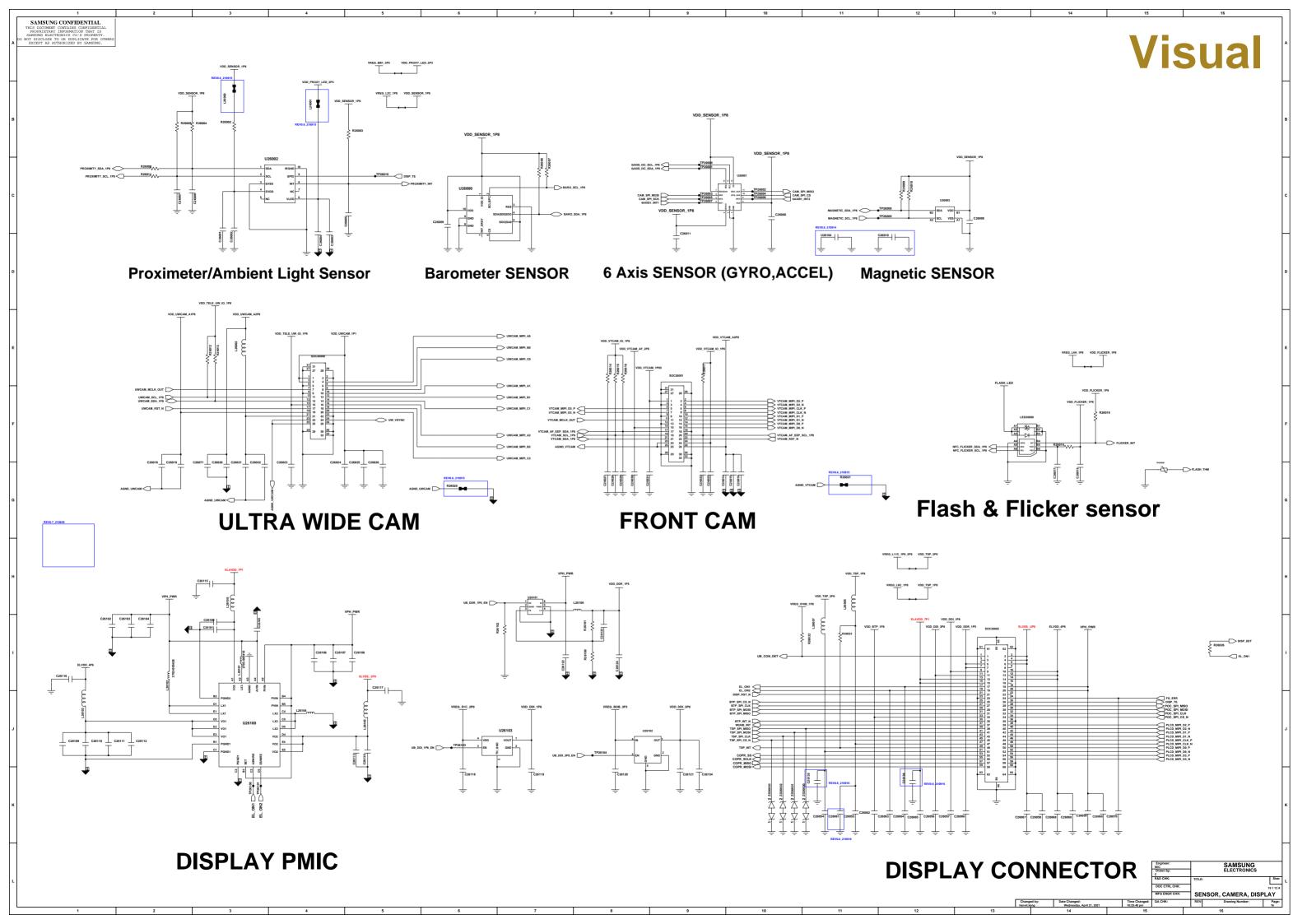




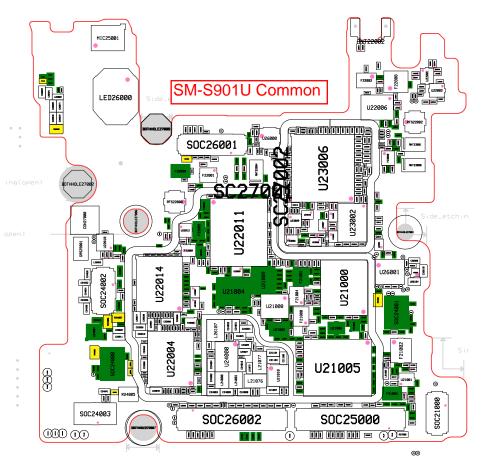
2nd MIC

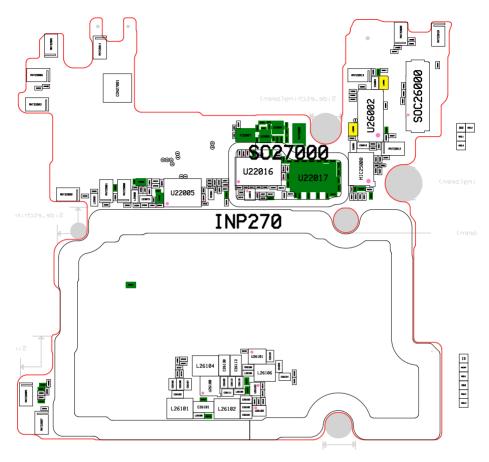


3rd MIC



Design **INTERPOSER INP270** NA (U) CAN (W) CHN (0) JPN (D) GLB (E) **SHIELDCAN** CONSTREE CON27001 2D BARCODE GPIO\_21 UB\_DDI\_1P8\_EN GPIO\_62 UB\_DDR\_1P6\_EN DISP\_SCL\_1P8 DISPLAY\_PM\_INT GPIO\_143 HST\_AS\_EN UWB\_EN
GPIO\_144 WL\_XFEM\_CTRL\_LAA\_RX LAA\_RX\_EN **BOSS HOLE** UWB\_SPI\_SYNC WLAN\_HOST\_WAKE GPIO\_184 BT\_WLAN\_SB\_CLK





SM-S901U Common

Side\_etching(open)



SAMSUNG CONFIDENTIAL
THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.
NOT DISCLOSE TO OR DUPLICATE FOR OTHE
EXCEPT AS AUTHORIZED BY SAMSUNG.

## SM-S901U/S906U SECONDARY REV0.7A

SM-S901UCommon

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** 

SAMSUNG CONFIDENTIAL
THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS Y.
DO NOT DISCLOSE TO OR DUPLICATE FOR OTHERS
EXCEPT AS AUTHORIZED BY SAMSUNG.

MAIN1 ANT (LB,MB,JPN B21)

MAIN2 ANT

(HB\_n41)

MHB MIMO LNA OUT

**MAIN FRC** 

MAIN ANT3 (B48\_n77/78/79)

THERMISTERS

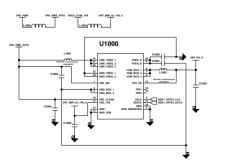
MAIN ANT4 (n77/78/79)

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

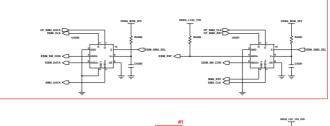
**TRANSCEIVER(Dual SDR735)** SUB6 (L1,MB,HB,N79) DRX\_ANT Conduction SUB1 Radiation on MASTER PCB SUB5 (UHB(b48/n77/n78/n79) mimo) SUB<sub>2</sub> SUB3 SUB4 (WIFI1 2.4G/5G, GPS L5) DRX MHB 2 (B5/8/12/13/14/17/18/19/20/26/28/29/71\_BC0/10\_G850/900) (B2/4/7/25/30/41/66) on MASTER PCB on MASTER PCB **Conduction** QET6105 #2 **ENDC** module on MASTER PCB GPS\_L5 UHB GPS\_L1(for SUB4 opt) UHB (B48, n77/78) on MASTER PCB on MASTER PCB

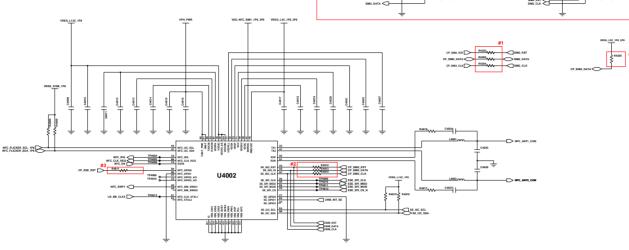
WIFI (BCM4389 CoB) Radiation UWB **UWB Conn.** on MASTER PCB



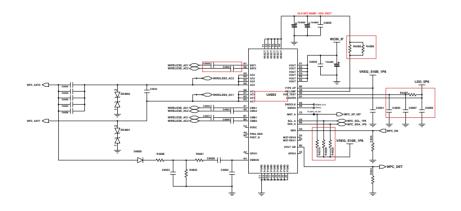
## **Power**

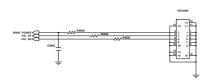
NFC





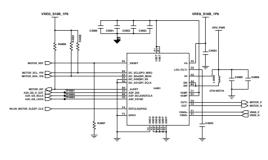
#### MFC



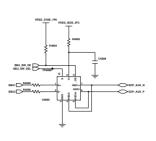


## **System**

#### SUB5 Vol + Power key / nr 4Rx FRC





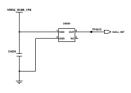


**AUX** sw

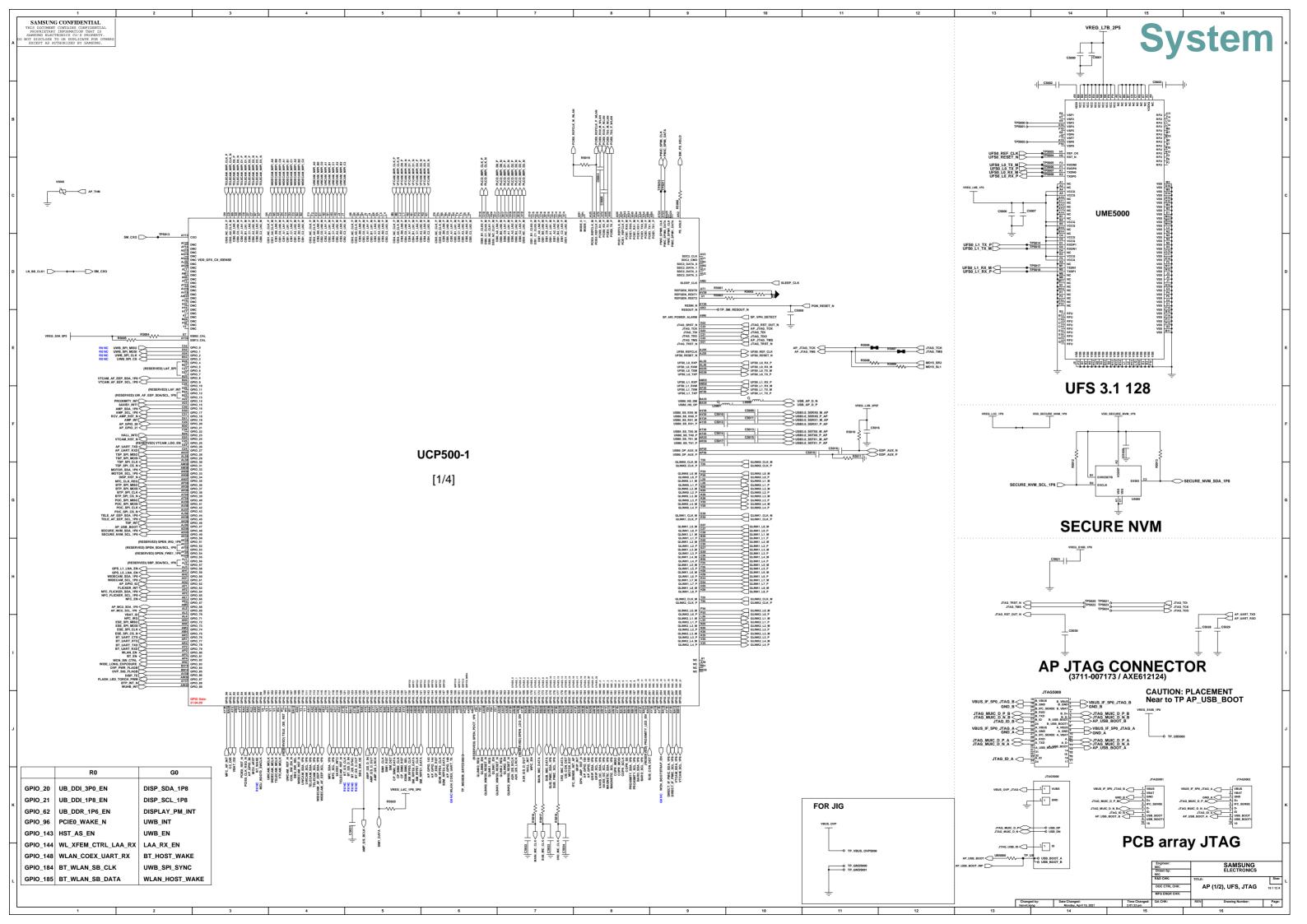
## **Visual**

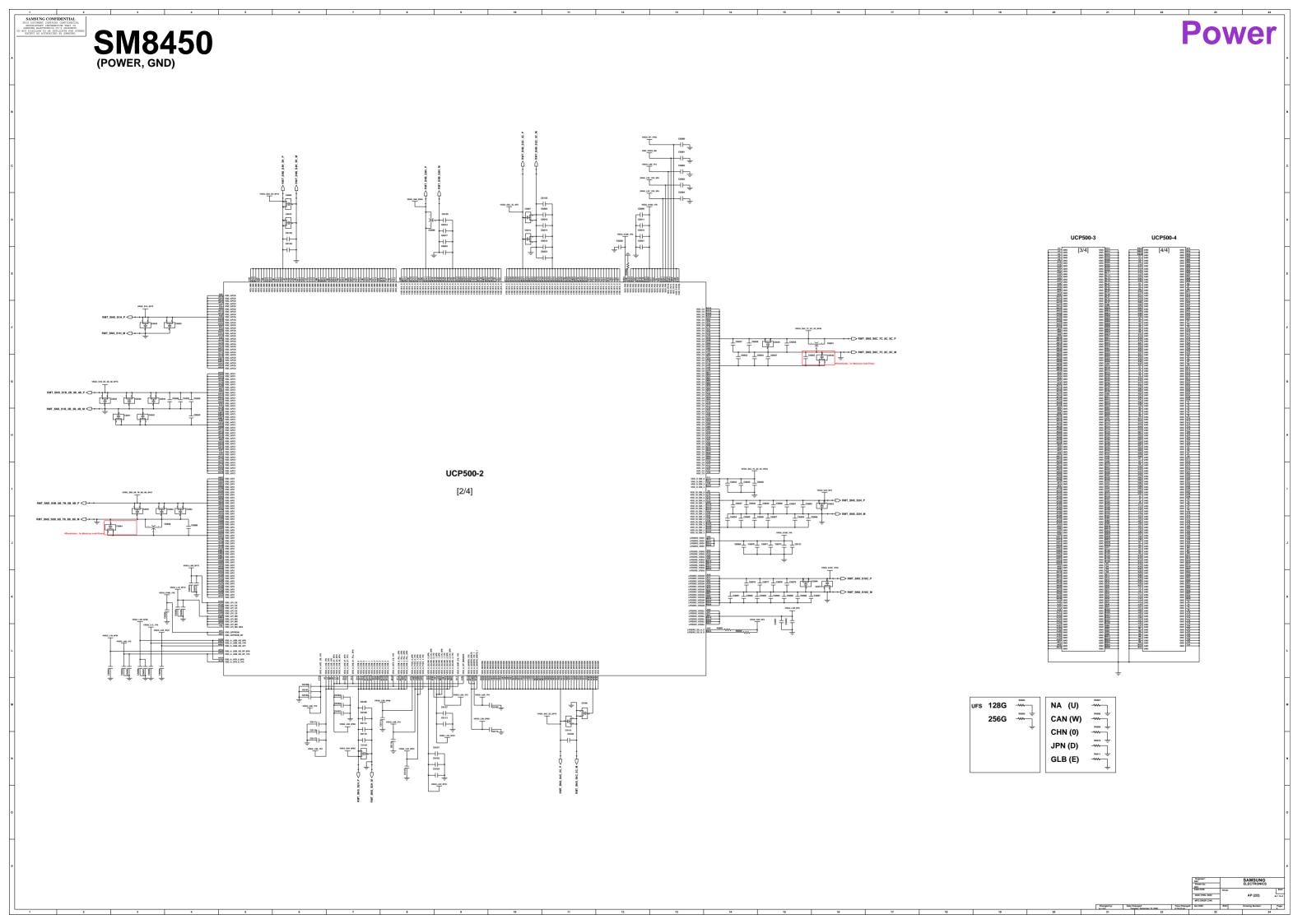
#### **SENSORS**

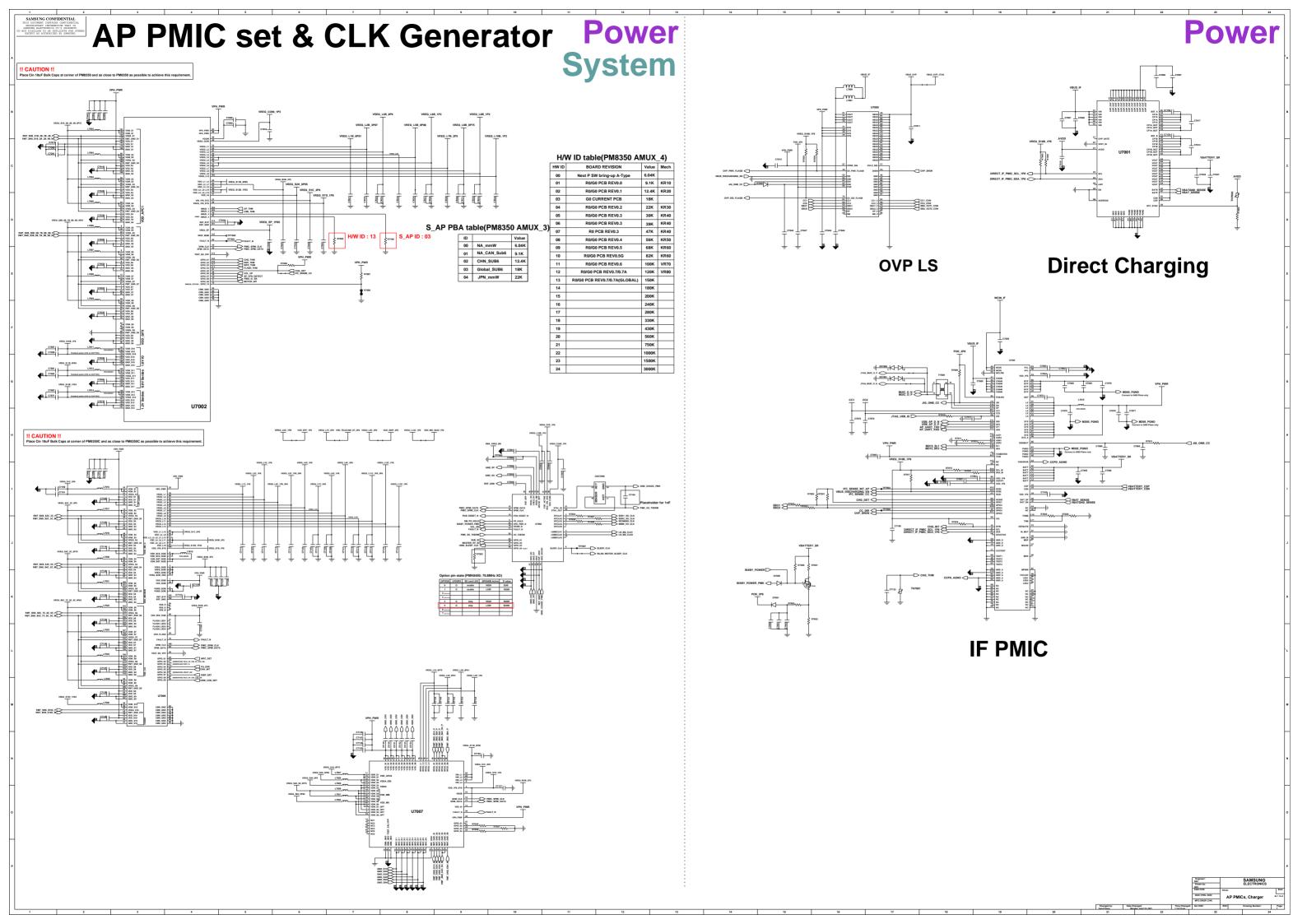
on MASTER PCB



COVER\_DET HALL\_IC







SAMSUNG CONFIDENTIAL

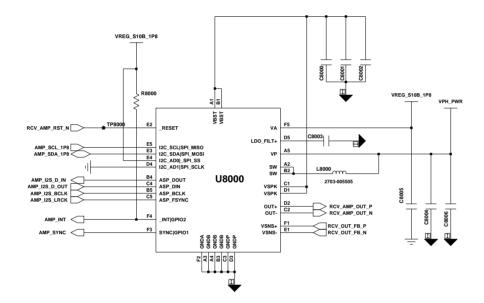
THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.
O NOT DISCLOSE TO OR DUBLICATE FOR OTHERS
PROPERT AS AUTHORIZED BY SAMSUNG

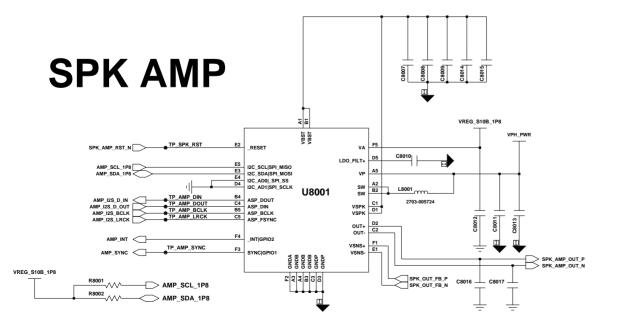
# **AUDIO**

## **RCV Conn.**

## on MASTER PCB

## **RCV AMP**





2nd MIC

## on MASTER PCB

#### 3rd MIC

							Ι.
			Engineer:		SAMSUNG		1
				Drawn by: ELECTRONICS		ı	
							ı
			SEC				1
			R&D CHK:	TITLE:		Size:	ı
				AUDIO			1
			DOC CTRL CHK:	I AUDIO		12 1 8 A	ı
			MEG ENIOD CUIV	4			ı
			MFG ENGR CHK:	1			ı
ed by:	Date Changed:	Time Chang	ed: QA CHK:	REV:	Drawing Number:	Page:	ł
ang	Monday, April 19, 2021	1:57:58 pm	,	1		8	ı
							-

# **CAMERA CAM PMIC (PB02)** Flash & Flicker sensor MainCAM LDO **Tele CAM** Wide CAM on MASTER PCB **CAM MCU ULTRA WIDE CAM FRONT CAM**





**DISPLAY PMIC** 

on MASTER PCB

**DISPLAY CONNECTOR** 

Tourne by ELECTRONICS

TOURNE BY TILE:

BOC CTR. GINC.

BOC OT GROUND CHIEF

CAMERA, DISPLAY

24 114.4

SAMSUNG CONFIDENTIAL
THE DOCUMENT CONFIDENTIAL
SAMSUNG CONFIDENTIAL
THE DOCUMENT CONFIDENTIAL
SOURCE BEACHERING TO SER SHOPPERT,
AD DISCOURT AS ATTEMPT AND STYPH SAMONDO.

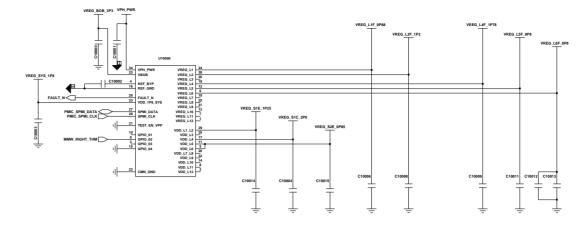
CONFIDENCIAL TO SER SHOPPERT,
AD DISCOURT AS ATTEMPT AND STYPH SAMONDO.

CONFIDENCIAL TO SER SHOPPERT,
AD DISCOURT AS ATTEMPT AND STYPH SAMONDO.

CONFIDENCIAL TO SER SHOPPERT,
AD SHOPPERT AS ATTEMPT AND STYPH SAMONDO.

CONFIDENCIAL TO SERVE AND SAMONDO.

## Power

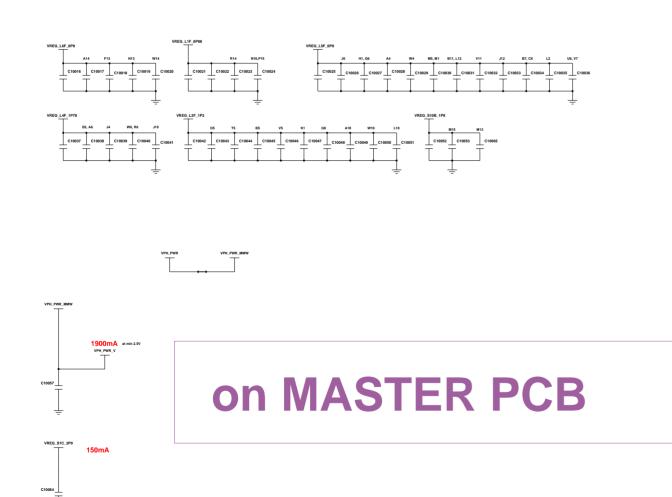


# **PMR735B**

# Radiation

PMR735A

5G IFIC (SMR546) NAJJEN SMD CAN/CHN/GLB NC



mmW\_ANT\_CONN (Left)

mmW\_ANT\_CONN (Right)

