



# SM-G955U\_MAIN\_REV0.6

170223 Open -> NC, DRx RF conn. removed  
170227 ZD7003 removed  
170304 C4046 100nF -> 10nF, ZD7003 NC -> 2431T  
170310 PDIC Screen(1003-002911)

- sheet01 : GSM / WCDMA / LTE RF
- sheet02 : TRANCEIVER, DRX
- sheet03 : BT/WIFI, LTE-U
- sheet04 : SENSORS, NFC, PD/CC IC
- sheet05 : MSM8998(AP)
- sheet06 : MSM8998(POWER,GND)
- sheet07 : POWER(PMIC), IF PMIC, MFC
- sheet08 : AUDIO CODEC, SPK AMP, SUB PCB CONN.
- sheet09 : DISPLAY, COMPANION
- sheet10 : IRIS, MAIN CAMERA, FRONT CAMERA, FPS connector

Project:	
Sheet No:	
Sheet Title:	
Sheet Date:	
Sheet Author:	
Sheet Reviewer:	
Sheet Date:	
Sheet Date:	

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**ANT1 (LB/MB)**

**ANT3 (CA)**

**ANT2 (HB)**

**ET Modulator**

**2G\_PA**

**LB LPAMID**  
(B5/8/12/13/17/18/19/20/26/28/29, G850/900, BC0/10)

**MB LPAMID**  
(B1/2/3/4/25/34/39/66, G1800/1900, BC1)

**HB LPAMID**  
(B7/30/38/40/41, B1/2/4/25/66)

**THERMISTOR**

**SHIELD CAN**

**SAMSUNG ELECTRONICS**

**SM-G955U**

**REV. 1.0**

**DATE: 2020.08.10**

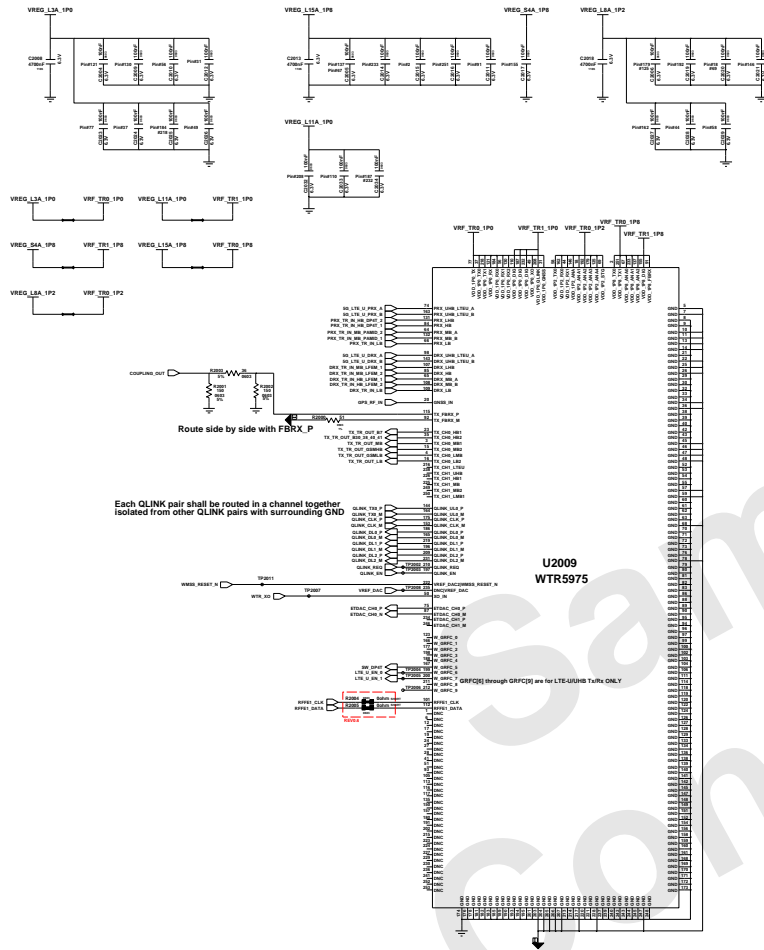
**DESIGNER: [Name]**

**CHECKER: [Name]**

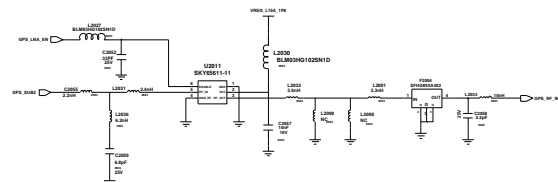
**APPROVER: [Name]**

[illegible]

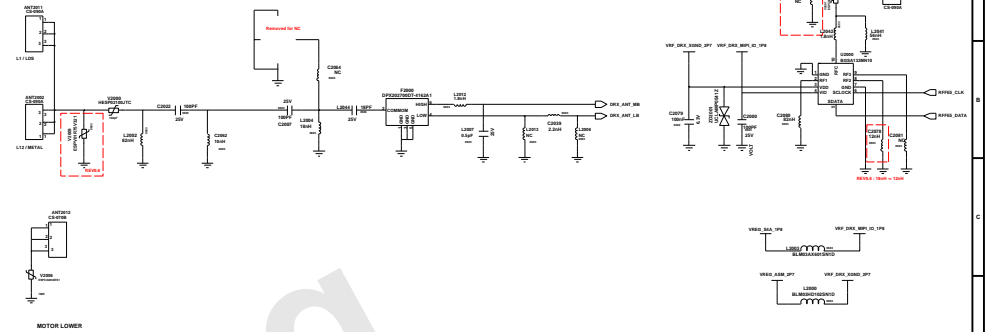
## TRANSCEIVER(WTR5975)



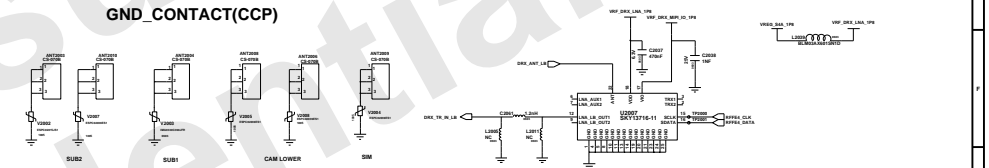
## GPS



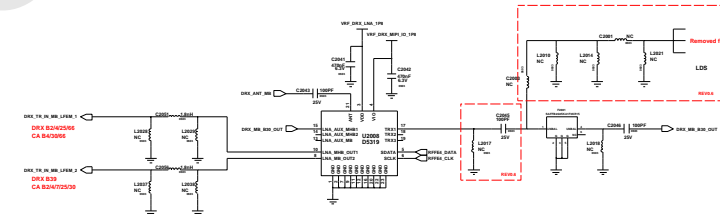
## SUB1 ANT (LB/MB)



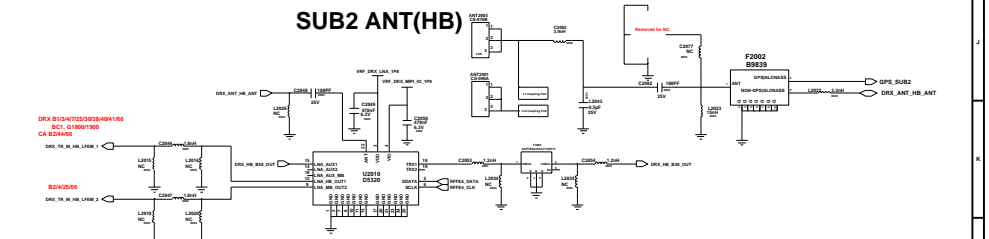
## DRX\_LB (B5/8/12/13/17/20/26/28/29, BC0/10, G850/900)



## SUB3 ANT (B30)



## DRX\_MB (B2/4/25/39/66, CA B2/4/7/25/30/66)

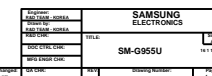


## SUB2 ANT(HB)

## DRX\_HB (B1/2/4/7/25/30/38/40/41/66, BC1, G1800/1900)

Part Name	U2009 WTR5975
Part No.	U2009 WTR5975
Rev.	1.0
Doc. No.	SM-G955U
Rev.	1.0

## LTE-U



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## USB Type-C

VCONN\_IN 5.2V booster

OVP LS

REV0.3

PD/CC IC

EDP\_AUX SW

## FM RADIO

SIM & T-FLASH SOCKET (3in2)

## NFC

HRM SENSOR

REV0.1 : SENSOR changed to ADI

Barometer Sensor

Magnetic Sensor

6 Axis Sensor

(Gyrometer, Accelerometer)

Hall Sensor

cover\_detect Hall\_IC

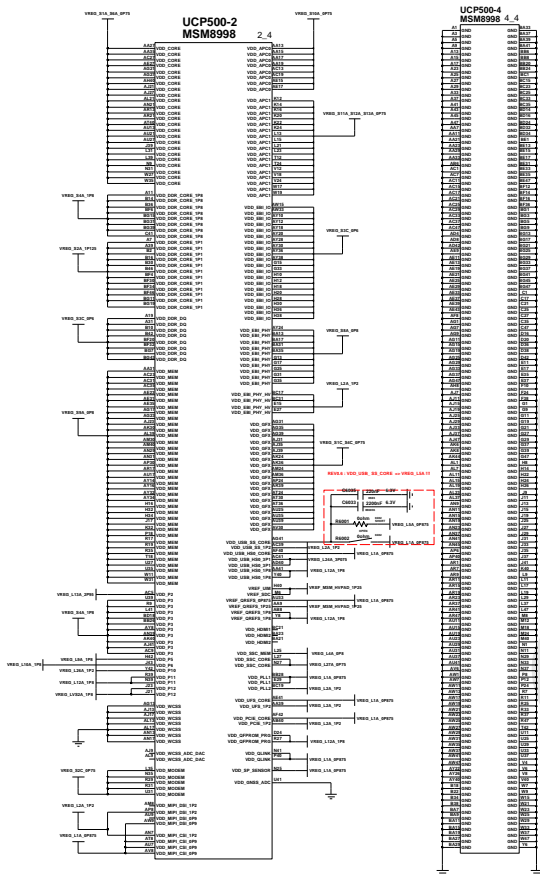
SENSOR FPCB connector

GND\_CONTACT

Engineer:	BT/WIFI, NFC, SENSOR		
Drawn by:			
Rad CHK:	TITLE: SM-G955U		
DOC CTRL CHK:	Size:		
MFG ENGR CHK:	REV:		
QA CHK:	Drawing Number:		
Changed by:	Date Changed:	Time Changed:	Page:



```
user|swcad49|10.253.51.244|20170314-192024
```

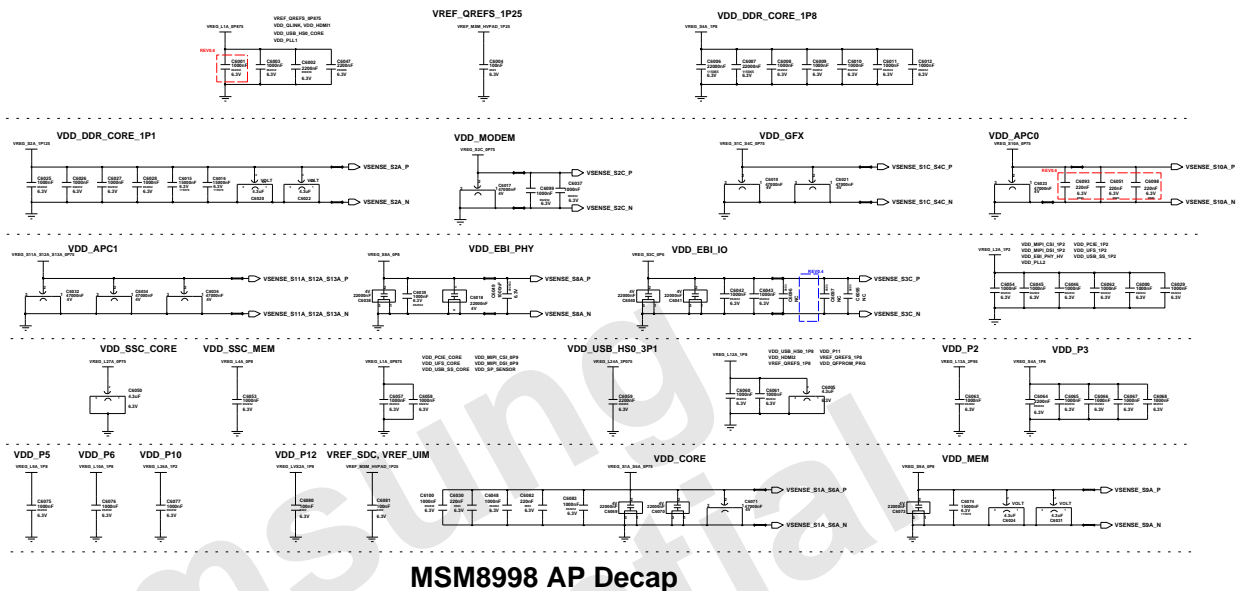
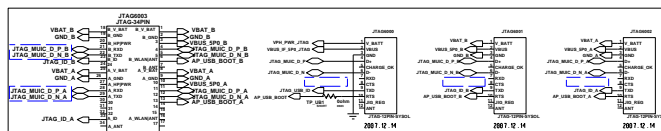


VREG\_S4A\_1P8

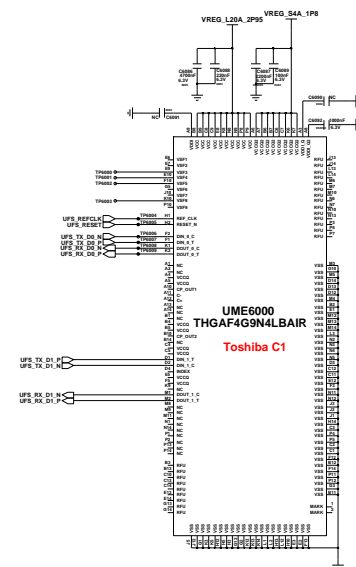
CAUTION: PLACEMENT  
Near to TP\_AP\_USB\_BOOT

TP\_USB

**PCB JTAG**

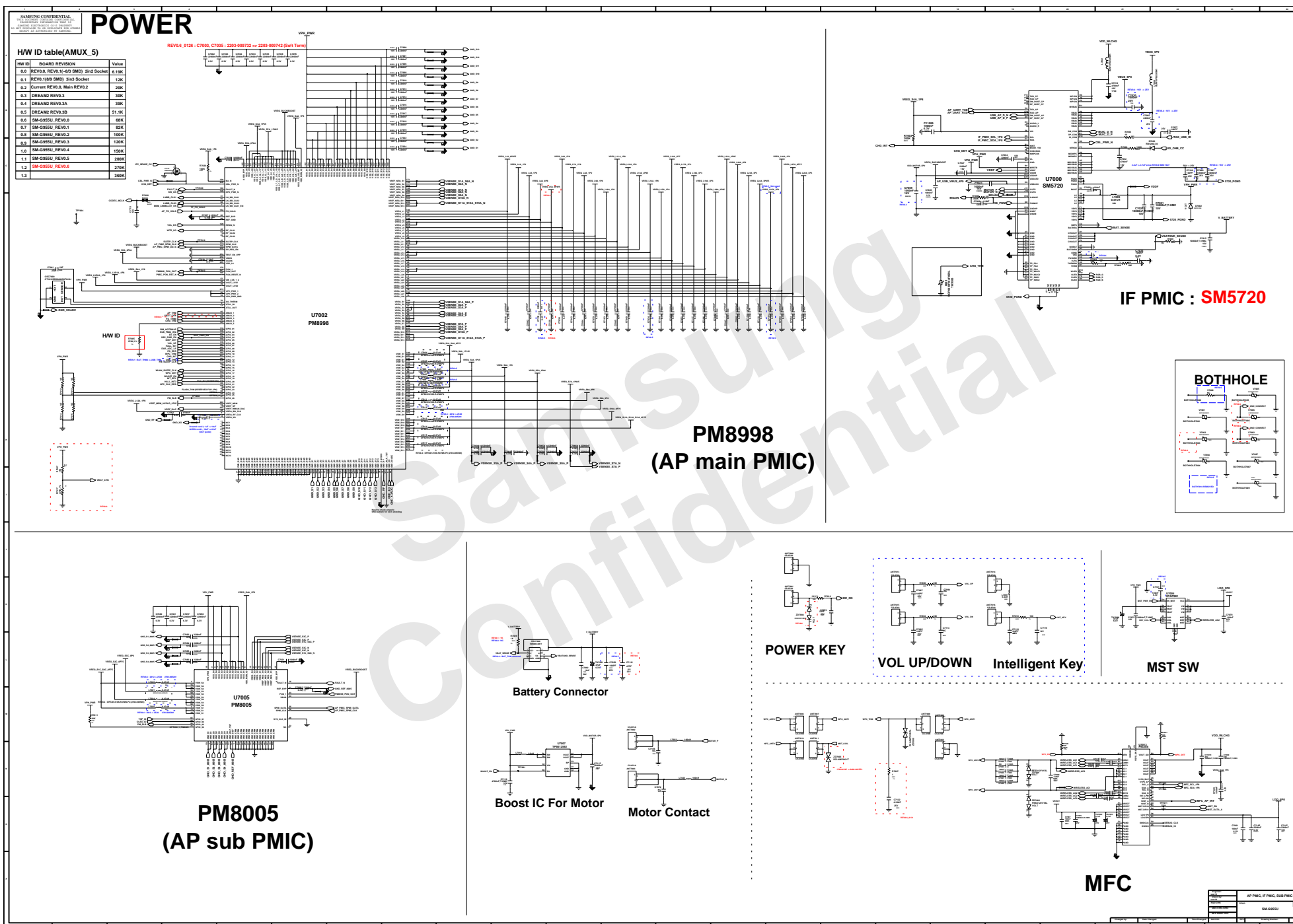


## MSM8998 AP Decap



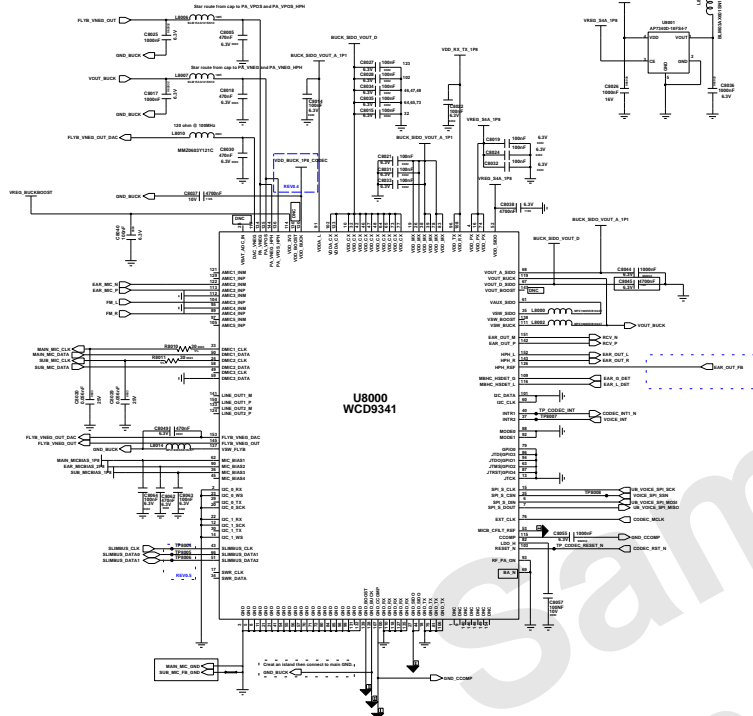
**UFS 64GB(SIZE : 11.5 \* 13)**

Engineer:	MSM3956 PWR / GND	
user118		
Drawn by:		
user118		
KBO LPR:		
DOC CTRL CLK:	TITLE:	Sheet
INFO KNOWN CLK:	SM-G955U	of 6

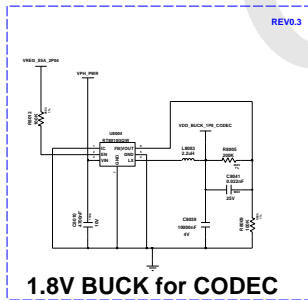




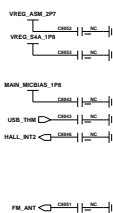
# AUDIO PART



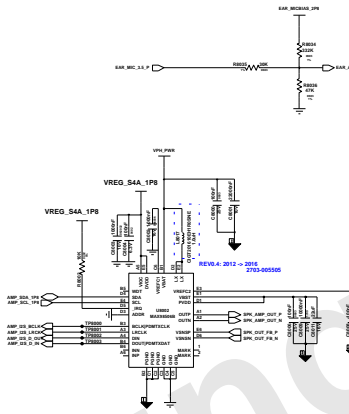
## Audio Codec



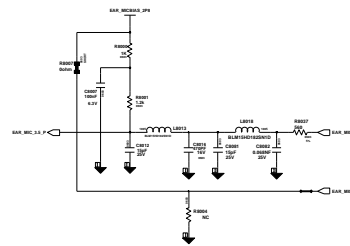
### EMT TEST



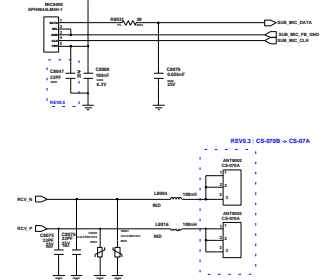
## I/V SENSING BOOST AMP



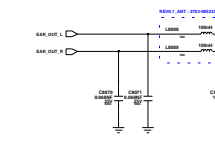
## Ear MIC



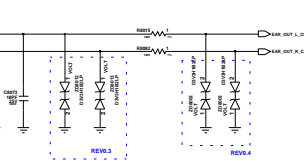
## 2nd MIC



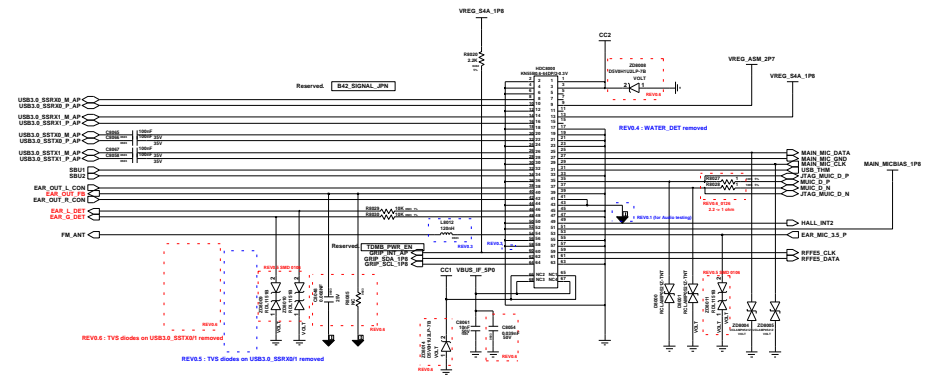
## SPK CONTACT



## RECEIVER



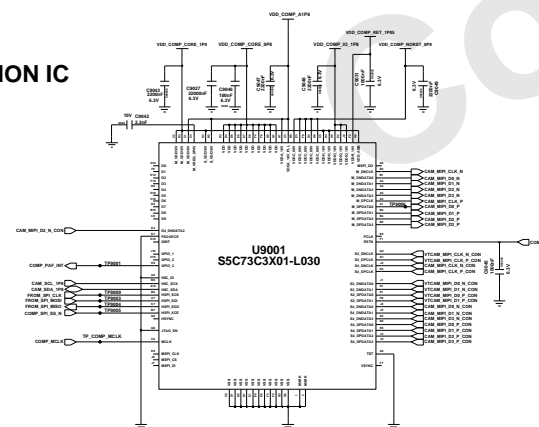
## LOWER SUB PCB CON.



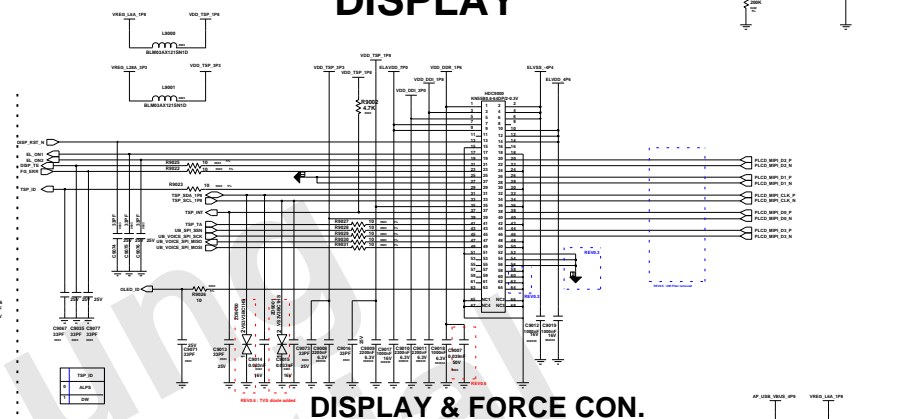
Part No.	AUDIO
Revision	1.0
Doc No.	SM-G950U
Doc Title	SM-G950U
Doc Date	20170314-192029
Doc Ver	1.0





## COMPANION IC



## DISPLAY



## DISPLAY PM IC

Engineer: R&D TEAM - KOREA	
Drawn by: R&D TEAM - KOREA	
R&D CHK:	
DWG CTRL CHK:	
TITLE:	
	

# 10. VISUAL PART (2/2)

