

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.



# SM-J120H\_REV04

## Single SIM / Non-NFC

### REFERENCE

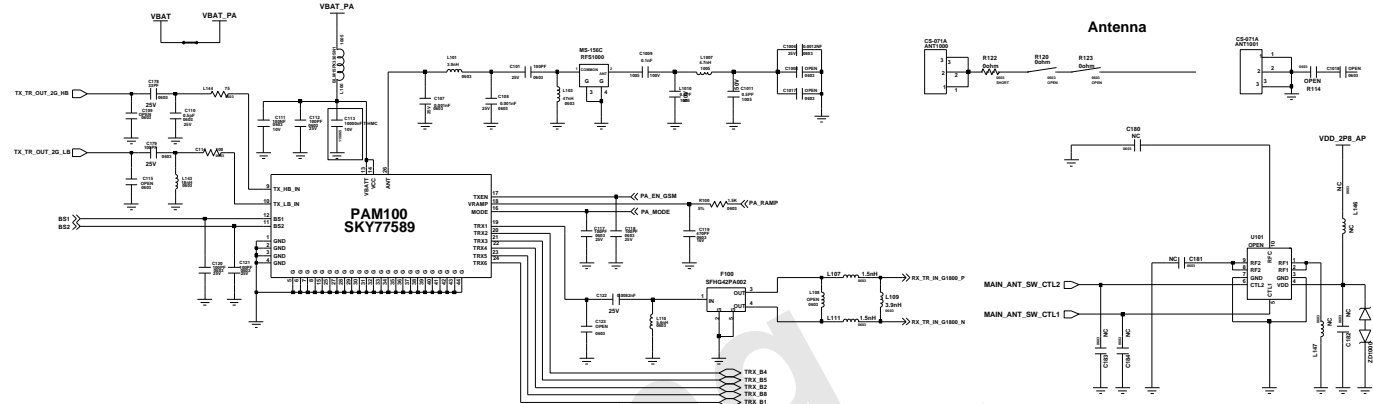
Page 1 : RF Part I	100
Page 2 : RF Part II (GPS, BT, FM, WIFI)	200
Page 3 : PIKE B (AP+CP+PMIC)	300
Page 4 : MEMORY , AUDIO	400
Page 5 : KEY , IF, SUB PMIC	500
Page 6 : LCD , CAMERA , SENDOR, SD CARD	600

Engineer	SAMSUNG	Table of Contents	
Drawn by	Song	Sheet	
FIELD CHK		TITLE	J1
DOC CTRL CHK			
NFIS ENGR CHK			

Changed by	Date Changed	Time Changed	SA CHK	REV	Drawing Number	Sheet	0 of 8
user02	Thursday, August 27, 2009	2:18:18 pm			11	12	

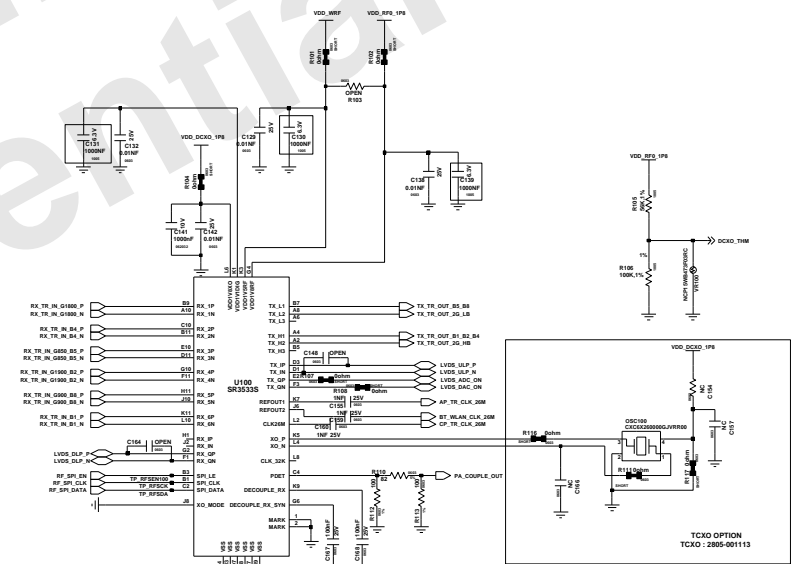
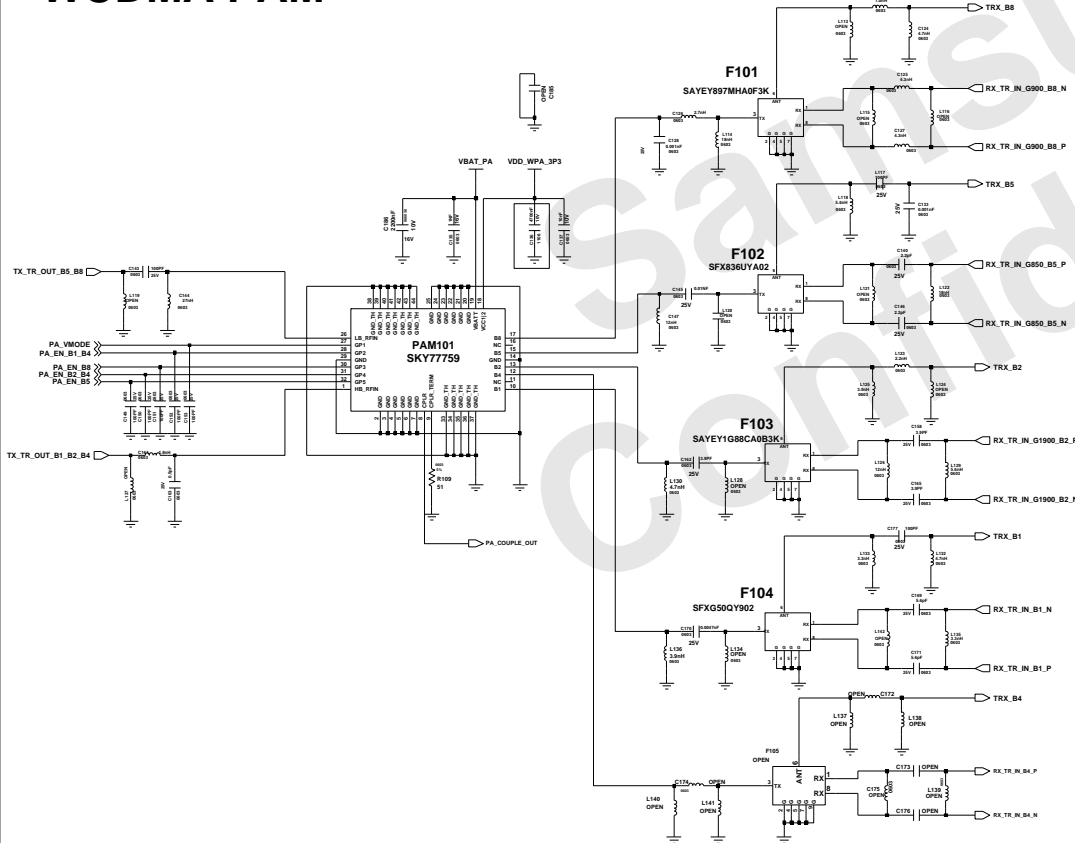
# TX MODULE

CONTROL	GSM_PA_EN	PA_MODE	BS1	BS2
STAND BY				
GSM850				
GSM1800/1900 RX				
WCDMA TRX / GSM850 RX				
WCDMA TRX				
GSM850/900 TX				
DCSPCS TX				



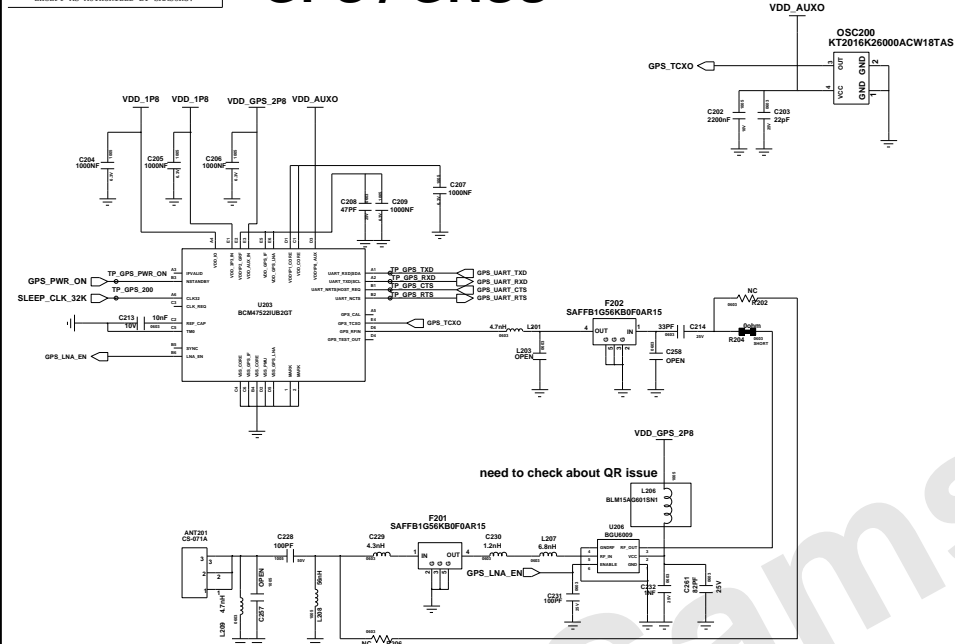
# WCDMA PAM

# TRANSCEIVER



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

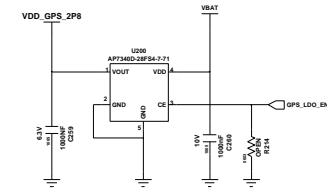
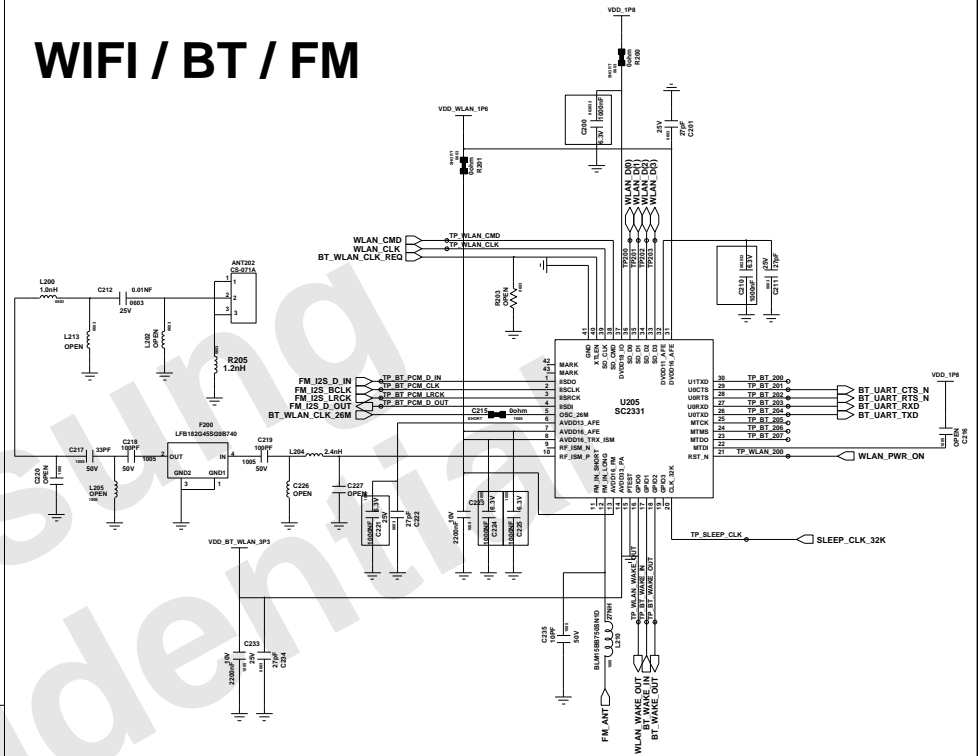
# GPS / GNSS



SENNSDDSS4-YF30-NC  
**NFC (NC)**

NL17SG125P5T5G-NC

# WIFI / BT / FM



## GPS LDO

MODE	VCTL1	VCTL2	VCTL3
BT_RF			
WLAN_RX			
WLAN_TX			

Engineer:	SAMSUNG ELECTRONICS		
Drawn by:	TITLE:		
Check by:	J1		
DATE CHK:	1218A		
DATE CHK:	REV		
DATE CHK:	Drawing Number:		
DATE CHK:	Page:		

Changed by: Date Changed: Saturday, September 5, 2015 Time Changed: 1:15:27 pm GA CHK: REV

**SAMSUNG CONFIDENTIAL**  
THIS DOCUMENT CONTAINS CONFIDENTIAL  
SAMSUNG INFORMATION. IT IS TO BE USED  
ONLY FOR THE PURPOSES SPECIFIED IN THE  
DRAWING. IT IS NOT TO BE REPRODUCED OR  
TRANSMITTED IN ANY FORM OR BY ANY  
MEANS, ELECTRONIC OR MECHANICAL,  
INCLUDING PHOTOCOPYING, RECORDING,  
OR BY ANY INFORMATION STORAGE AND  
RETRIEVAL SYSTEM.

# U300 SC7727SE

Engineer:	J1	
Drawn by:		
R&D CHK:	TITLE:	Size:
DOC CTRL CHK:	PIKE B	
MFG ENGR CHK:		
Changed by:	Date Changed:	Time Changed:
QA CHK:	REV:	Drawing Number:
		Sheet 3 OF 7

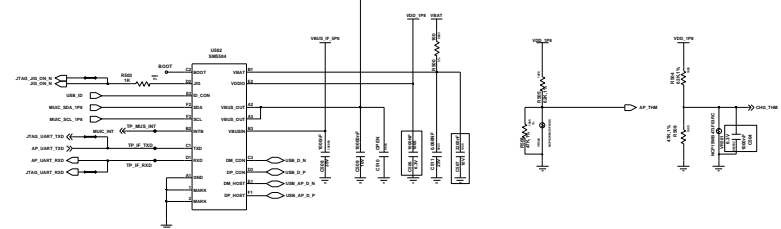


## AUDIO PART

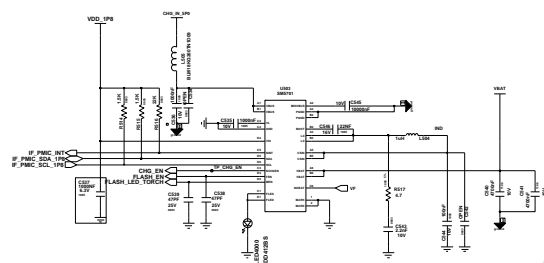


**BOTH HOLE**

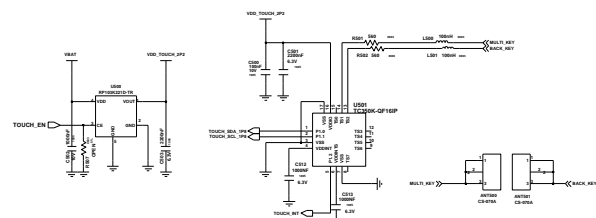
Engineer:	<b>SAMSUNG</b>		
Drawn by:	<b>ELECTRONICS</b>		
CAD:	TITLE:	J1 2014 SD	16 1
WELD CTR:			
BOLD CTRL CRK:			
MPU ENGR CTR:			
QA CRK:	R/R	Drawing Number:	7
Start date:			8
Job:	15	56	



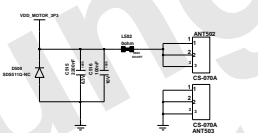
**MUIC + OVP**



## Switching Charger + Flash LED



## Touch IC



## Vibrator PAD

**E**

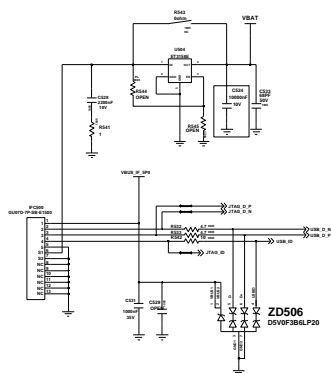
**G**

**M**

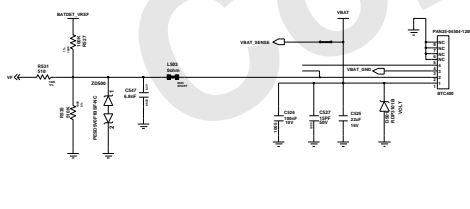
**L**

**A**

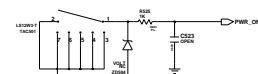
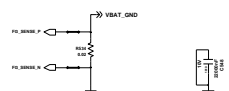
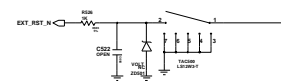
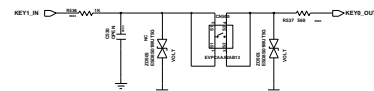
## USER INTERFACE PART



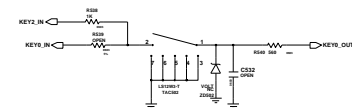
## USB Connector



**BAT CON**

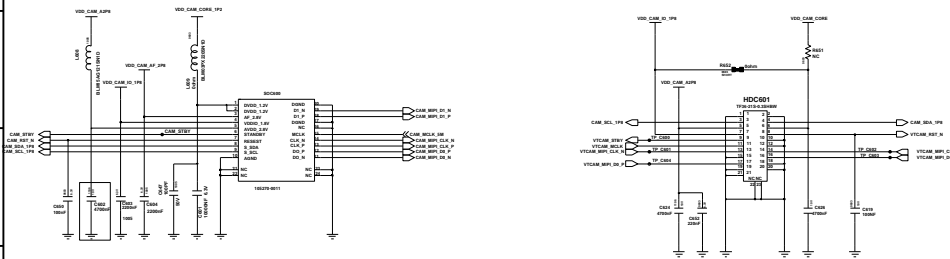
**Power\_ON****VOL\_DOWN**

## Home Key



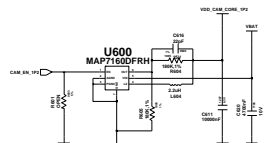
VOL\_UP

## CAMERA PART

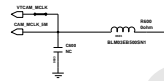


Main CAM (5M FF)

2M\_Front\_CAM

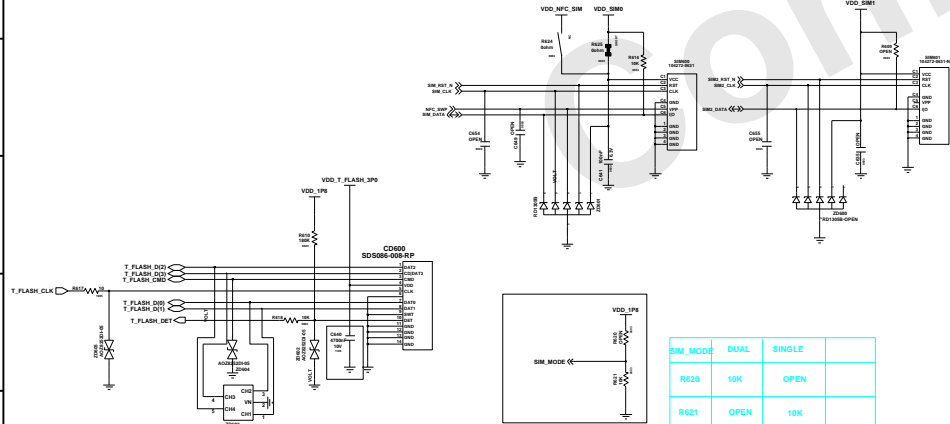


Main CAM Core DCDC



Nearby Mainchip

## SIM / SD CARD PART

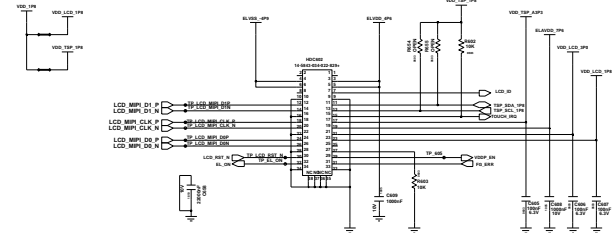


MicroSD Card CON

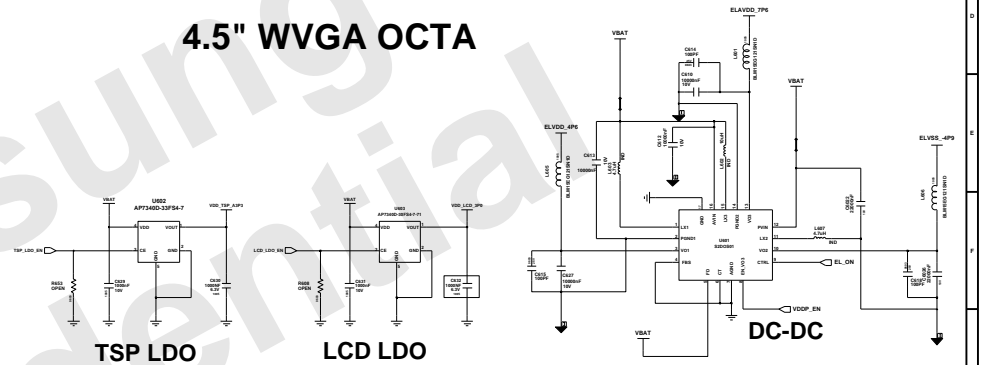
SIM CON(DUAL)

SIM_MODE	DUAL	SINGLE
R620	10K	OPEN
R621	OPEN	10K

## DISPLAY PART



4.5" WVGA OCTA

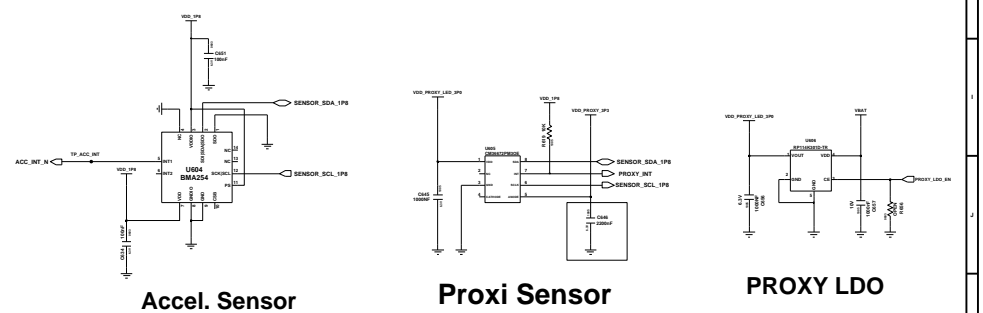


TSP LDO

LCD LDO

DC-DC

## SENSOR



Accel. Sensor

Proxi Sensor

PROXY LDO

Symbol	Value	Unit
VDD_CAM_CORE_1P8	1.8	V
VDD_CAM_CORE_1P0	1.0	V
VDD_FLASH_3P0	3.0	V
VDD_SIM1	1.8	V
VDD_SIM2	1.8	V
VDD_LCD_1P8	1.8	V
VDD_LCD_1P0	1.0	V
VDD_SENSOR_1P8	1.8	V
VDD_PROXY_1P8	1.8	V

	$\circ$
	$\ominus$

	$\ominus$

	$\circ$

	$\textcircled{1}$
	$\oplus$
	$\odot$
	$\square$
	$\boxtimes$
	$\boxplus$
	$+$
	$\times$
	$*$
	$\diamond$
	$\blacklozenge$
	$\blacklozenge$
	$\boxtimes$
	$\boxtimes$
	$\mathbb{Z}$
	$\mathbb{N}$

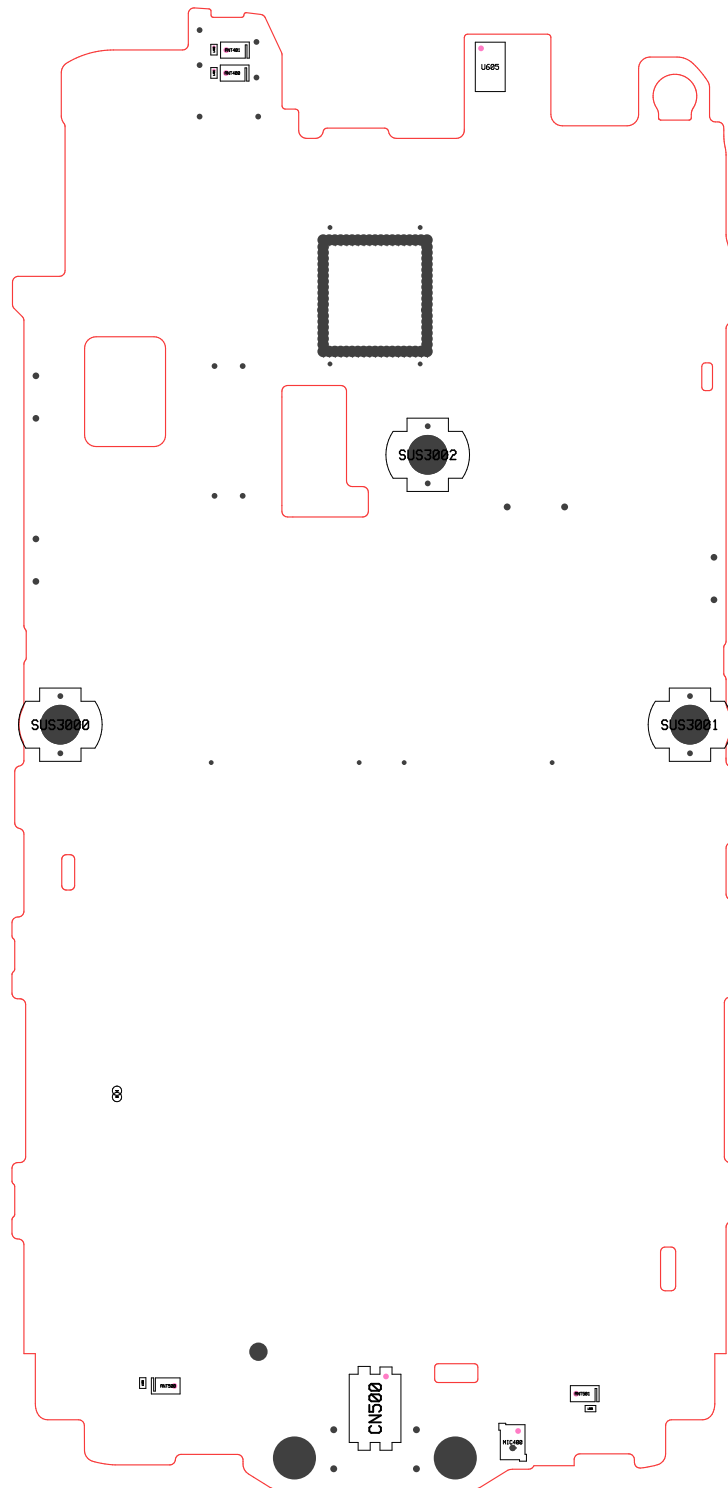
.	.
.	.

SECRET

JTAG300



①	
⊕	
⊗	
□	
⊠	
+	
×	
※	
◇	
◊	
⋄	
⌘	
⌚	
⌞	
⌟	

[illegible]

Model :  
Revision :  
Manufacture Count :  
Charge :  
Contact :  
Date :  
Routing :  
Resin :