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ROSELA LABS

SM-G928T_REV0.6

2015.07.03

sheet01 : GSM / WCDMA / LTE RF
sheet02 : TRANCEIVER, DRX
sheet03 : S333, CP_PMIC
sheet04 : SENSORS, HUB, GPS, BT/WIFI, NFC
sheet05 : AP(ISTOR), SIM SOCKET
sheet06 : AP(ISTOR) POWER PART
sheet07 : AP PMIC, SUB PMIC, Wireless Charging, MST
sheet08 : AUDIO, SUB PCB CON.
sheet09 : CAMERA, DISPLAY, DCDC

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Engineer:
Drawn by:
PAD CHK:
DOC CTRL CHK:
MFG ENGR CHK:
QA CHK:
TITLE: MAIN_REV0.6
Size: A1
Changed by: sorrel
Date Changed:
Time Changed:
REV:
Drawing Number:
Page: 6

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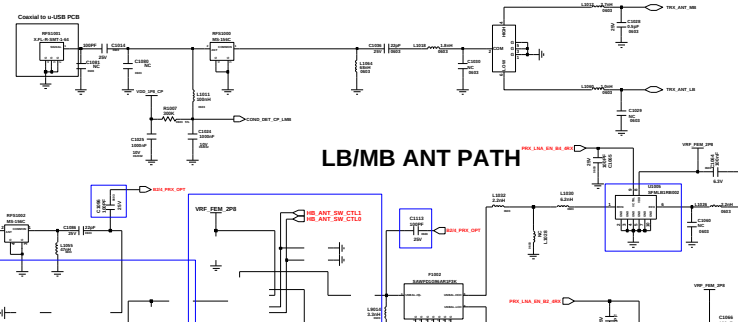

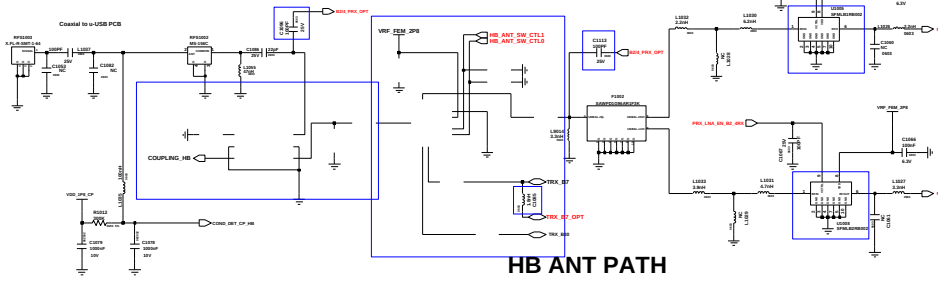

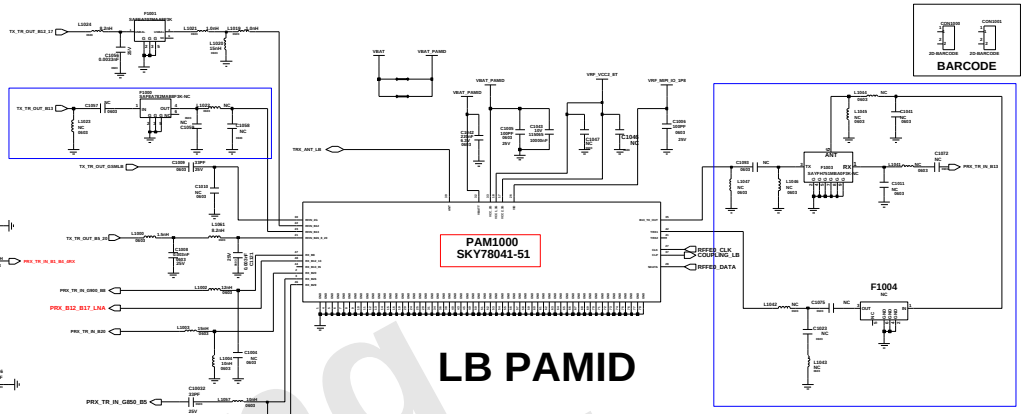

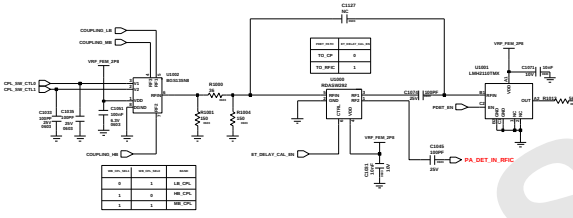

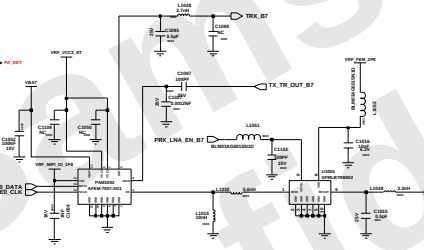

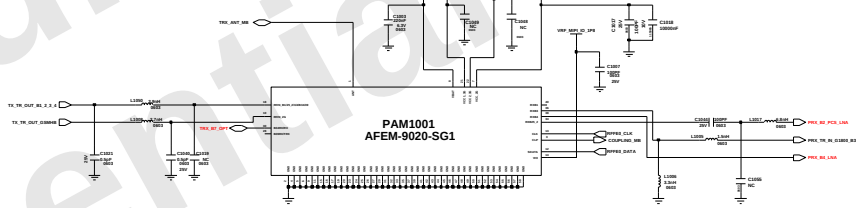

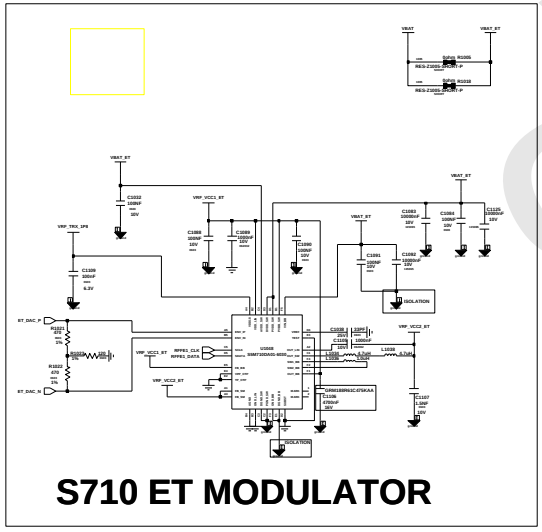

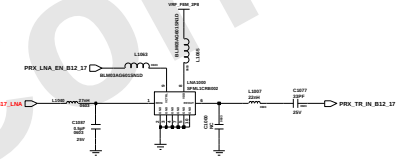

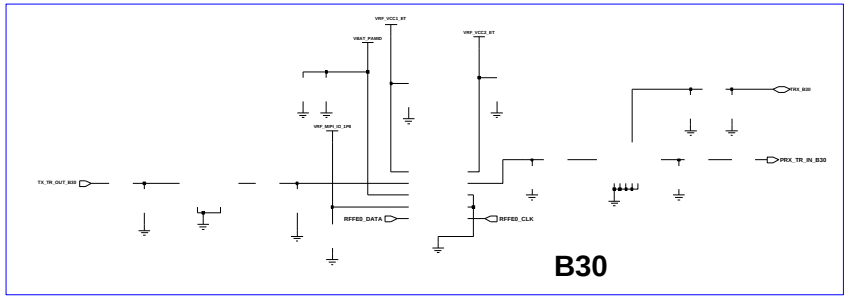

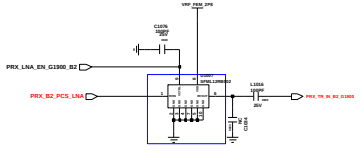

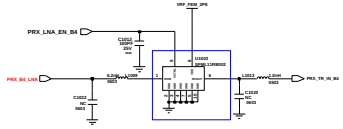

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RF MAIN ANT / TX / PRX / ET

REV0.6

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RF2

SMR Poron

Coupling pad

Feeding coupling PAD (4x3)

GND Contact

SUB ANT S/W2

SUB ANT

26MHz TCXO

THERMISTER

GPS/GNSS LNA Circuit

SUB ANT S/W2

TRANSCEIVER

need to shield with GND from CP_PMIC to Transceiver

U2002
S5M933DA02-6031

Share GND V15_T15_T13
Share GND V9_T9_U10

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Changed by	Date Changed	Time Changed	QA CHK	REV	Drawing Number	Sheet	

Engineer	RF DIVERSITY ANT / DRX / RFIC / GPS
Drawn by	
R&D CHK	TITLE
DOC CTRL CHK	REV0.6
MFG ENGR CHK	Size A2

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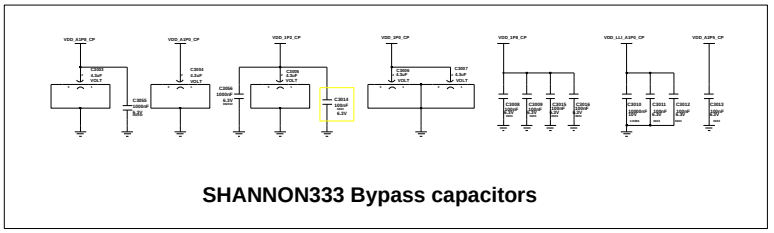
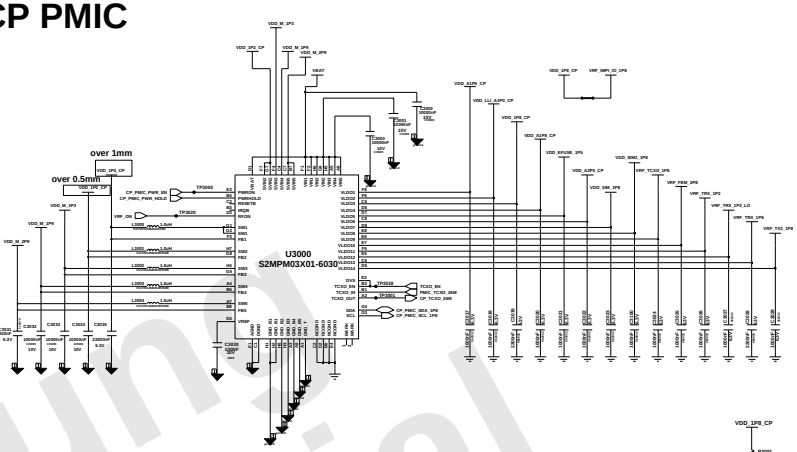
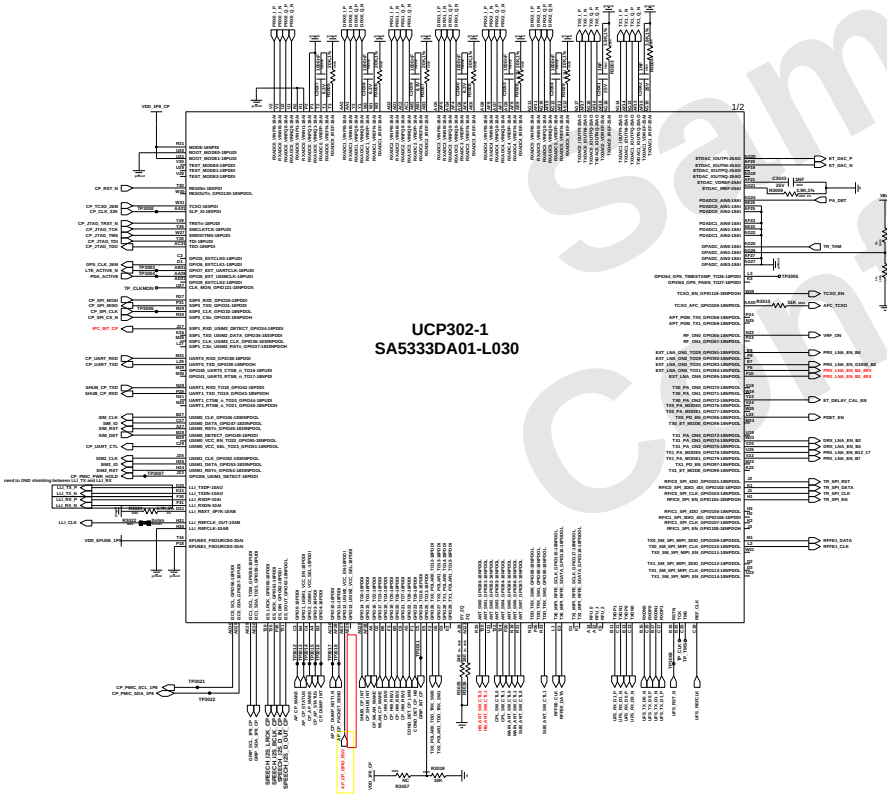
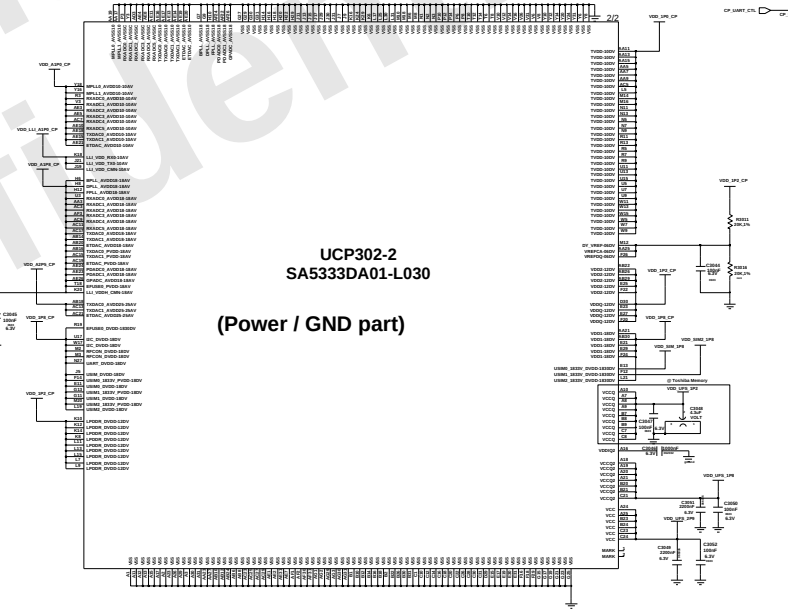
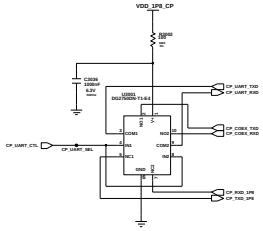
CP PART (S333)

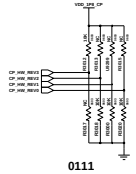












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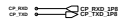
REV0.1	0010	real B'd 0.1
REV0.2	0011	real B'd 0.2
REV0.3	0100	real B'd 0.3
REV0.3A	0101	real B'd 0.3A
REV0.4	0110	real B'd 0.4
REV0.5	0111	real B'd 0.5
REV0.6	1000	real B'd 0.6



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Engineer:	CP, CP PMIC	
Drawn by:		
Hold CHK:	TITLE:	Size: A1
DOC CTRL CHK:	REV0.6	
MFG ENGR CHK:		
Changed by:	Date Changed:	Time Changed:
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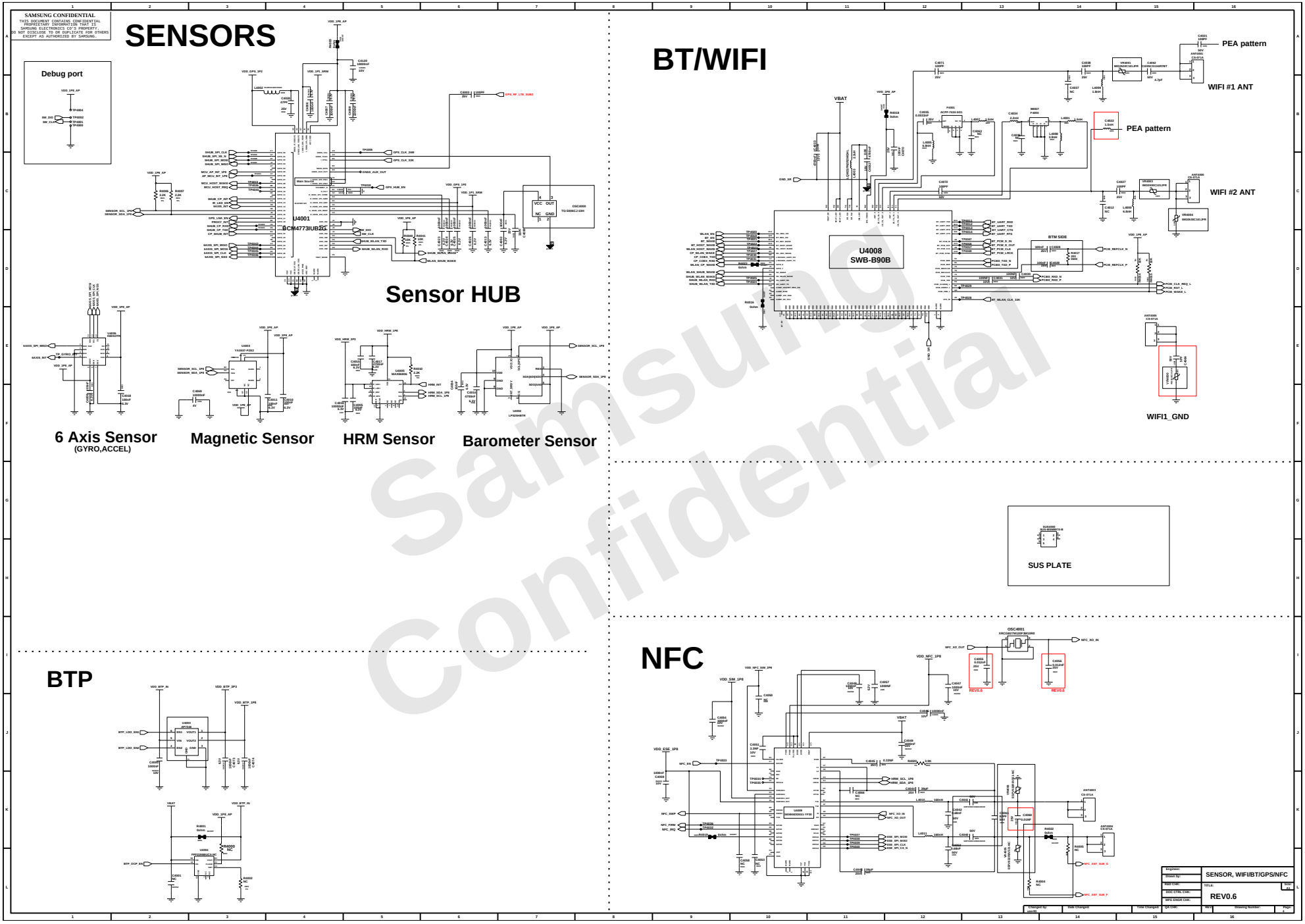
		Page: 3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SENSORS
Debug port
U4001
BCM4773IUB2G
Sensor HUB
6 Axis Sensor
(GYRO,ACCEL)
Magnetic Sensor
HRM Sensor
Barometer Sensor
BT/WIFI
PEA pattern
WIFI #1 ANT
PEA pattern
WIFI #2 ANT
U4008
SWB-B90B
WIFI1_GND
SUS PLATE
BTP
NFC
SENSOR, WIFI/BT/GPS/NFC
REV0.6
user17|swcad17|10.253.45.194|20150703-155800

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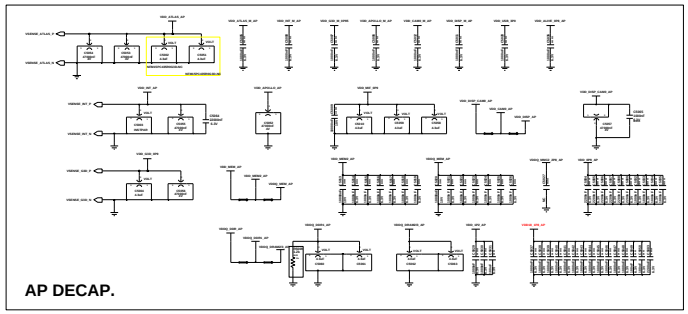
4. EXYNOS7420(ISTOR), eMMC



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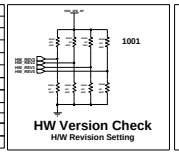
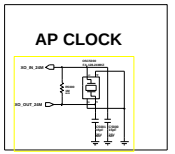
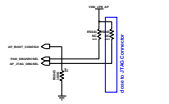
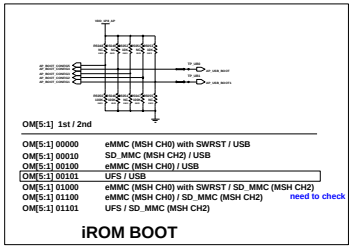
0001	MAIN_REV0.1_0424
0010	MAIN_REV0.2_0504
0011	MAIN_REV0.3_0514
0100	MAIN_REV0.4_0523
0101	
0110	MAIN_REV0.5_0606
1001	MAIN_REV0.6_0615

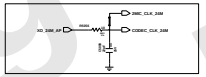


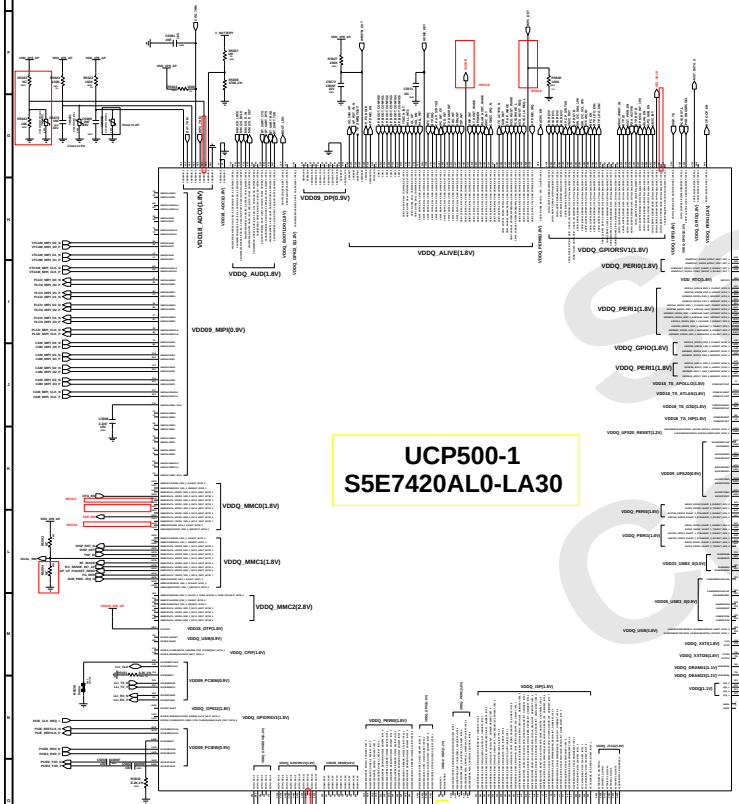


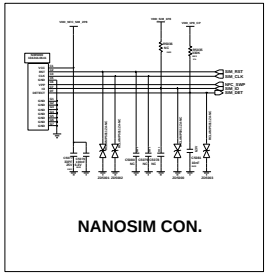


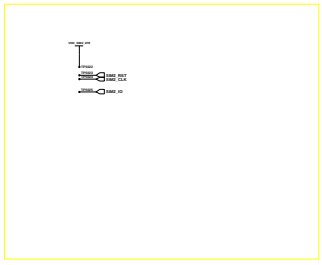
XOM0	H : ATLAS / L : APOLLO
XCCIBYPASS	H : CCI Bypass / L : CCI Enable
XCPUAXI3SELACE	H : AXI3 / L : ACE
PAD_DBGSRCSEL	H : Audio JTAG / L : ARM JTAG
AP_JTAG_DBGSEL	H : Test Mode / L : Function

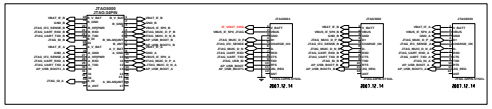


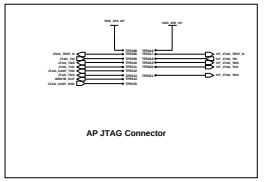












Project Name	AP, SIM&SD SOCKET
Design Rule	REV0.6
Schematic Name	

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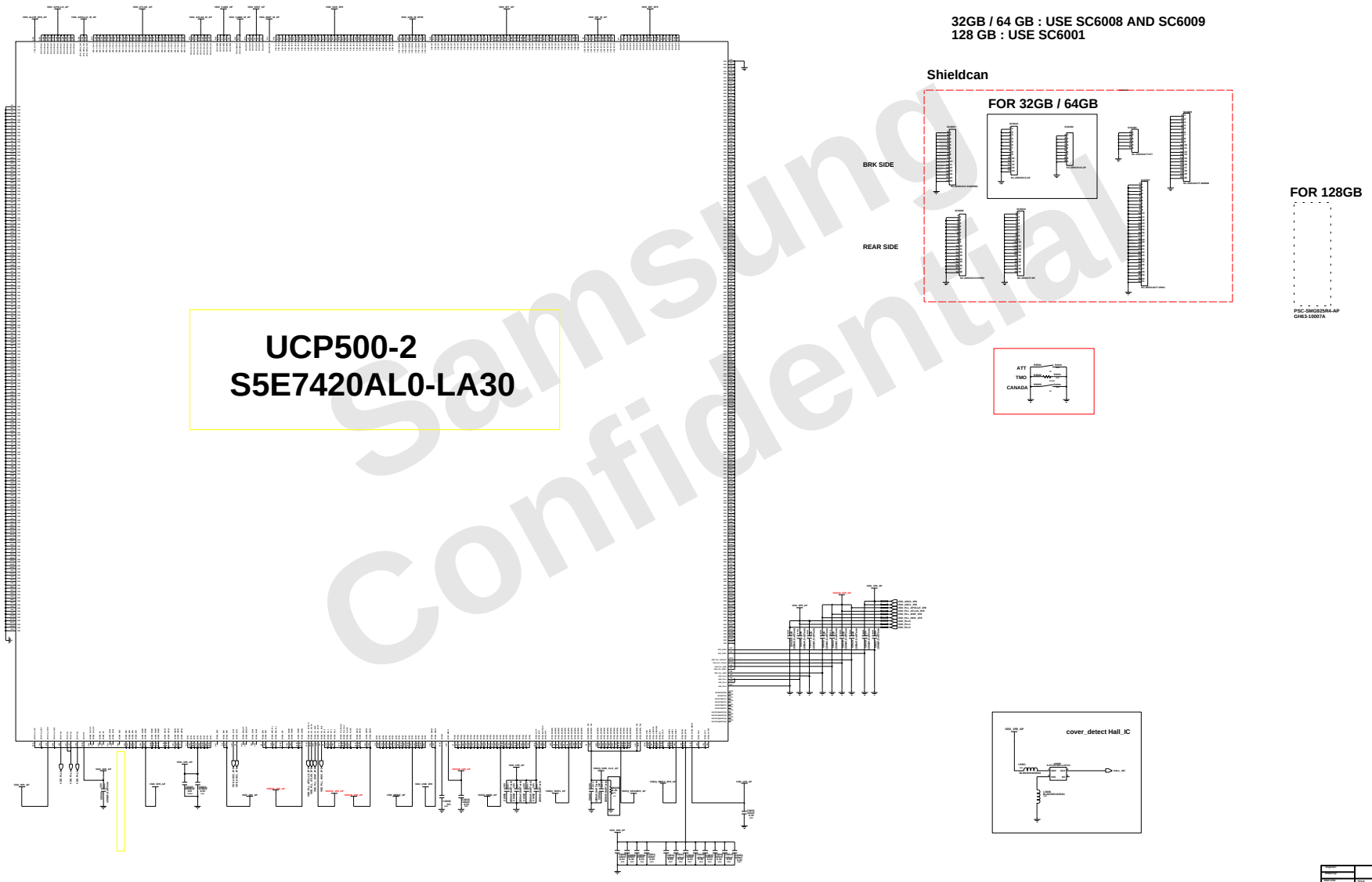

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user17|swcad17|10.253.45.194|20150703-155802

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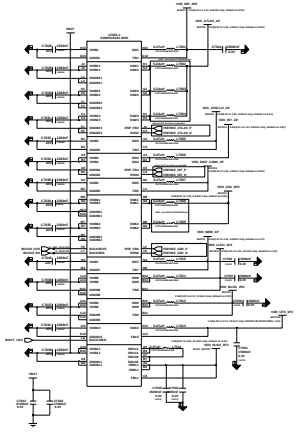
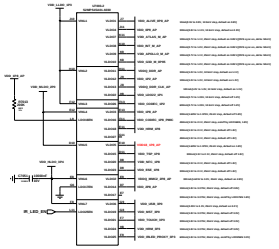
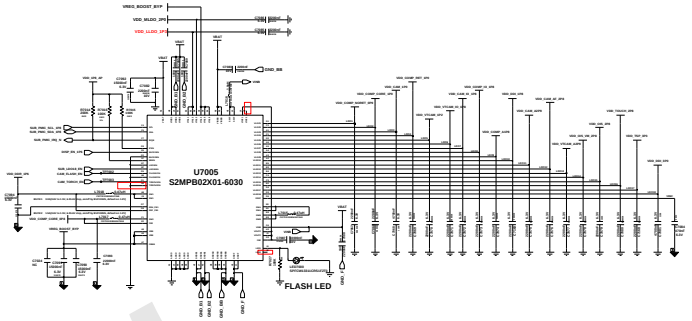
AP PMIC

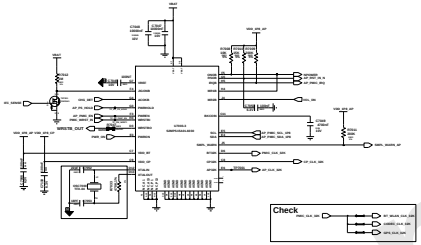




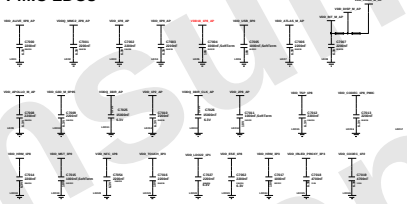
BOTHHOLE

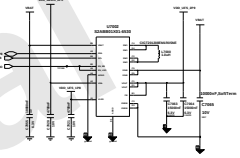


SUB_PMIC(S2MPB02)



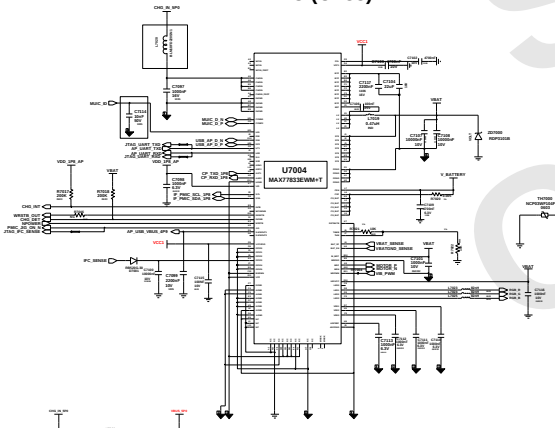
PMIC LDOs

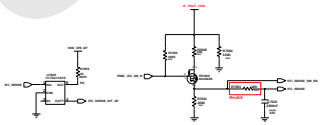


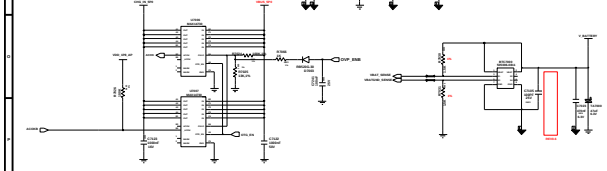


EMMC BUCK BOOSTER

IF PMIC (CL33)

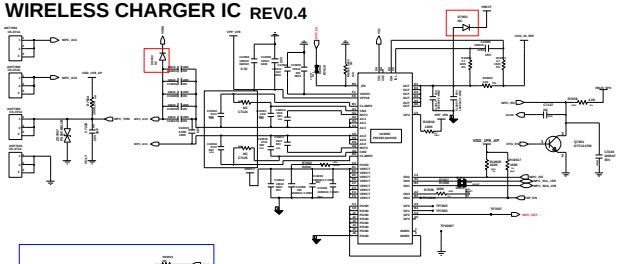


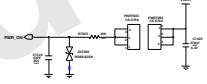




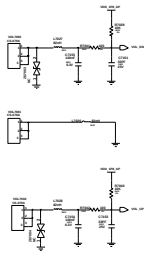
Battery Connector

WIRELESS CHARGER IC REV0.4





POWER KEY



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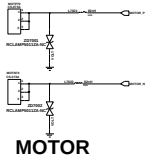

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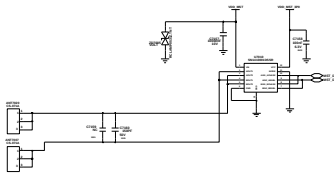
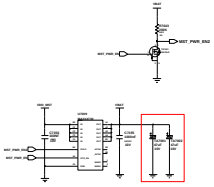


MST



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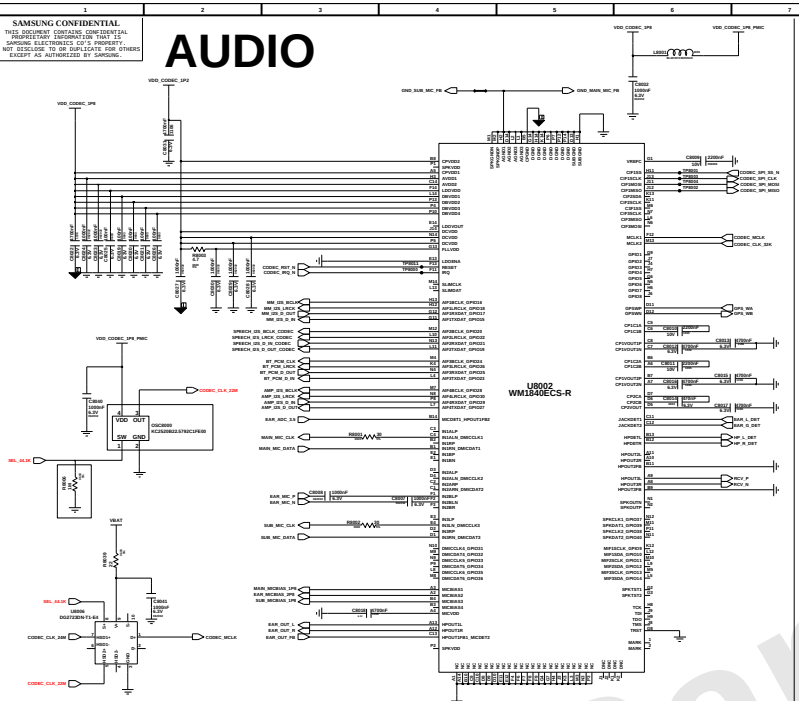
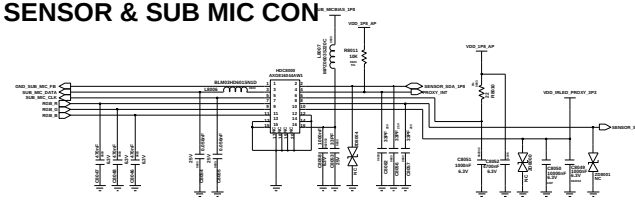
AUDIO



AUDIO CODEC

SENSOR & SUB MIC CON



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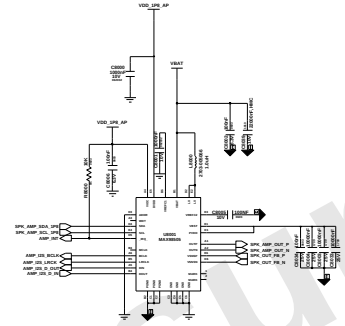

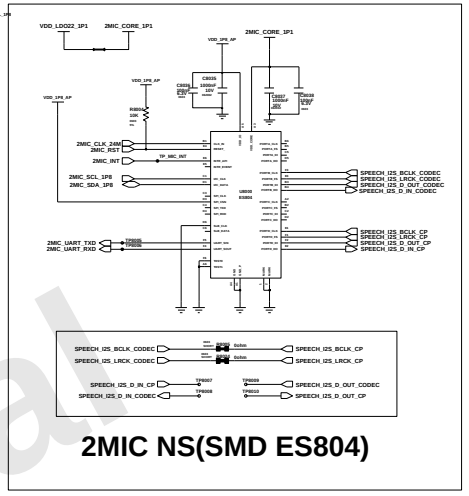

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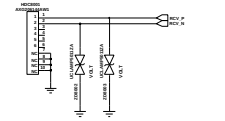

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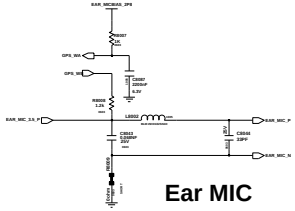

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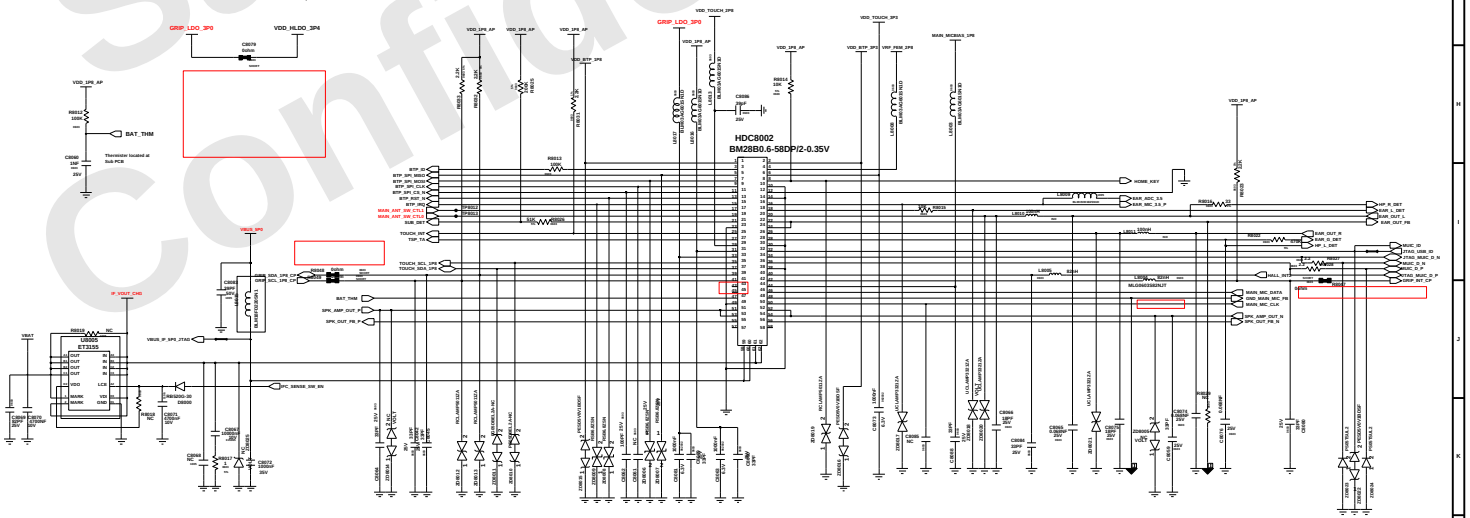

SUB FPCB IF CONN.

(USB2.0 / Main ANT / MIC)

Engineer:	AUDIO, SUB PCB CON.
Screen by:	
RED CHK:	TITLE:
DOC CTRL CHK:	REV0.6
SPG ENGR CHK:	

Changed by:	Date Changed:	Time Changed:	QA Chk:	REV:	Drawing Number:	Page:

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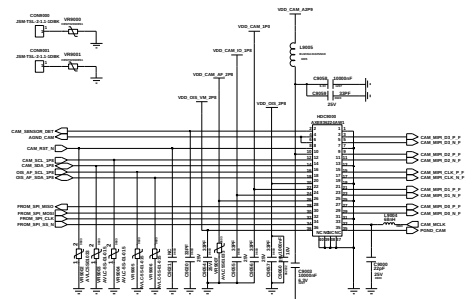
CAMERA



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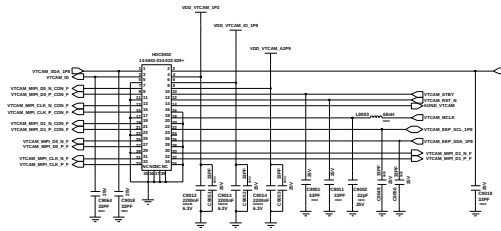

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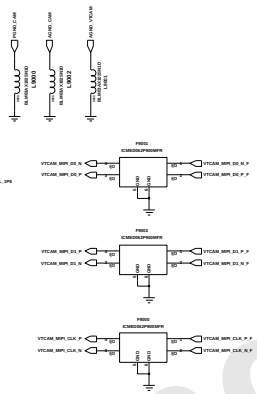

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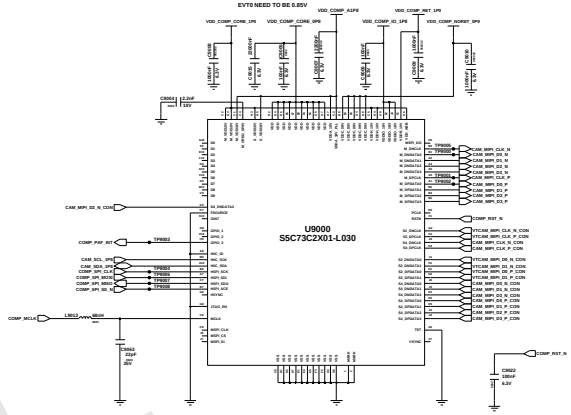

COMPANION IC

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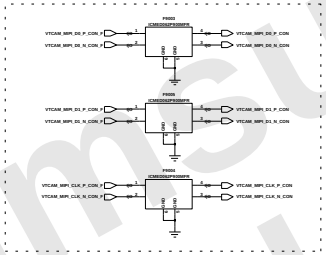

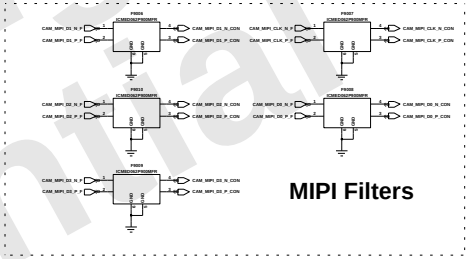

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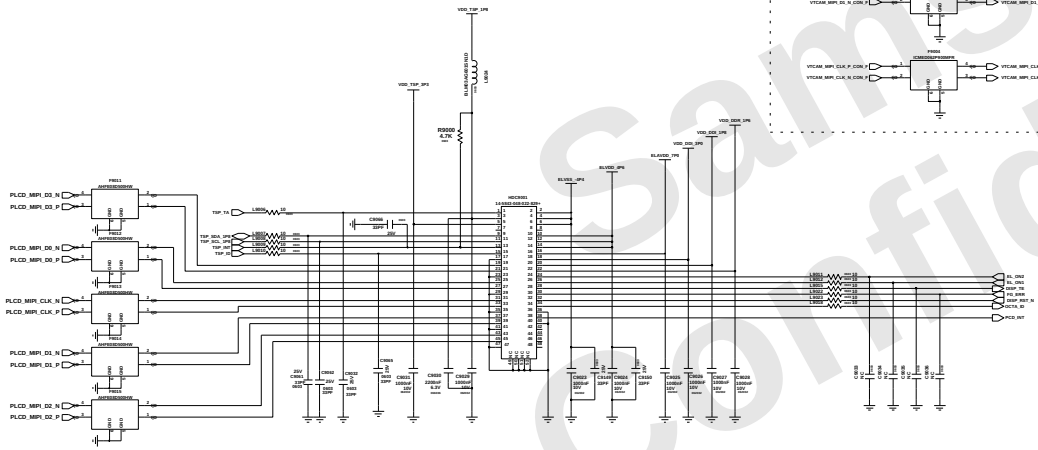

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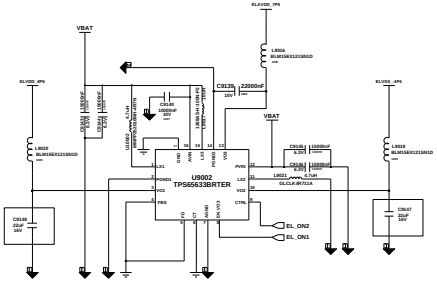

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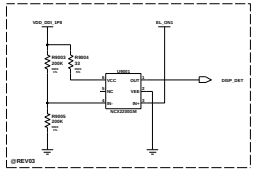

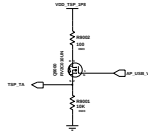

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Engineer:	CAMERA, DISPLAY, MHL
Drawn by:	
R&D CHK:	TITLE:
SOC CTRL CHK:	REV0.6
MPD ENGR CHK:	
QA CHK:	

Changed by:	Date Changed:	Total Changed:	Rev.:	Drawing Number:	Page:

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Revision :
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Charge :
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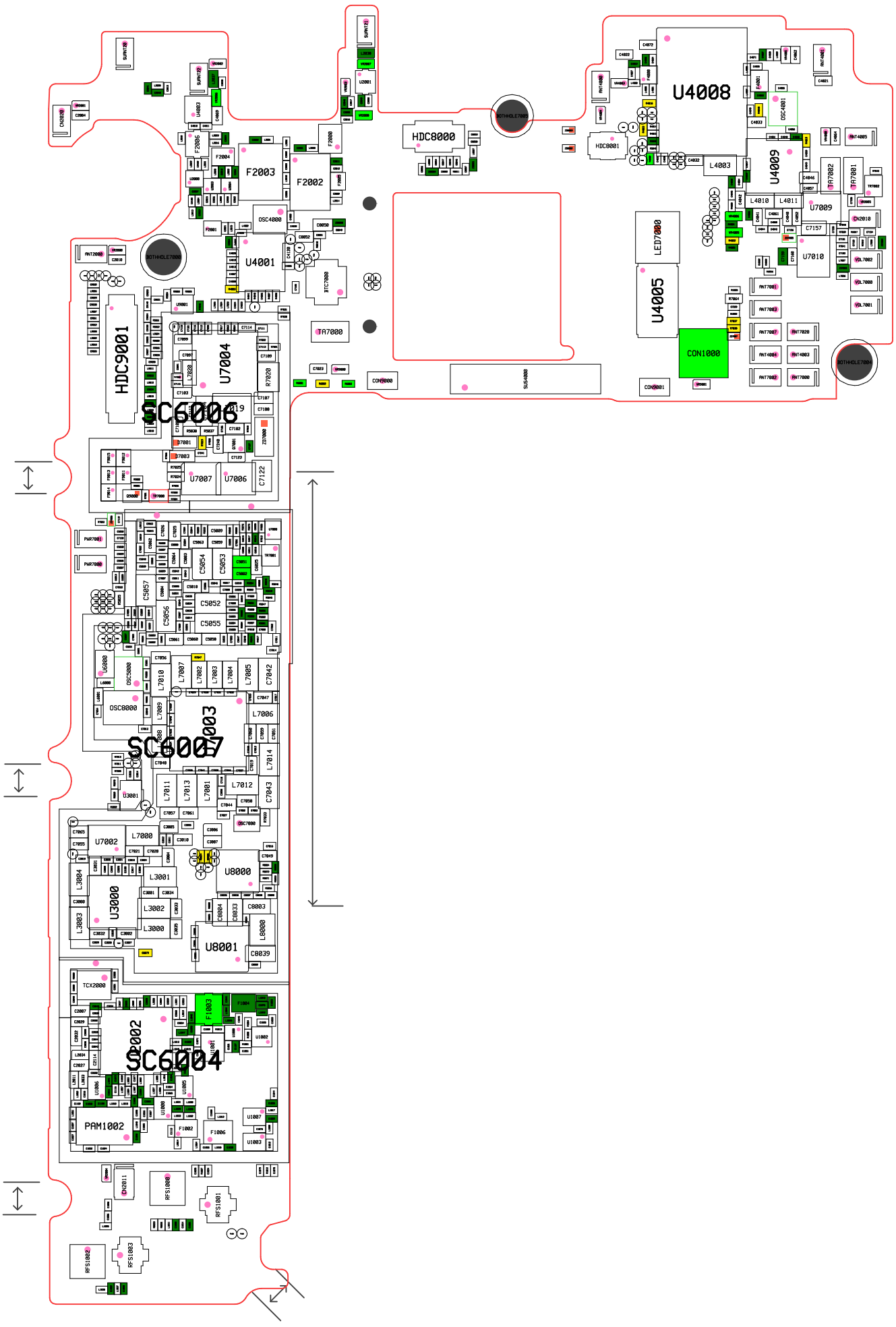
Date :
Routing :
Resin :

Setup(2015-05-20)_HHP



AON1605(TR7000) : IT'S Wrong Polarity possibility. Check the Pin1
2007-010848(R10004) : Check! Bottom Surface of Component

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Contact :
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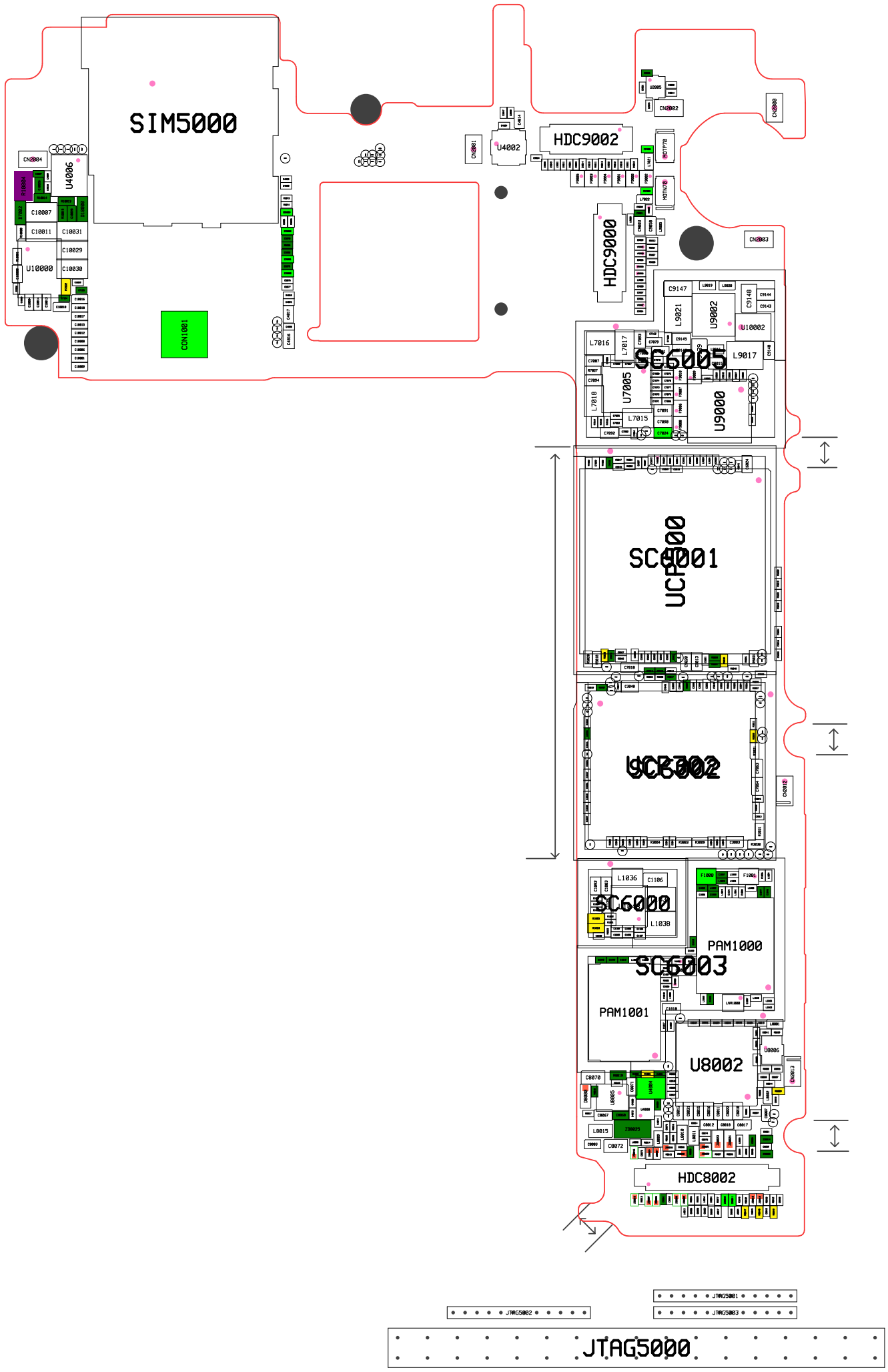
Setup(2015-05-20)_HHP



AON1605(TR7000) : IT'S Wrong Polarity possibility. Check the Pin1
2007-010848(R10004) : Check! Bottom Surface of Component