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SM-G925F_MAIN_REV0.6
DISCRETE SHIELD CAN(SMD : 02 06)

2015.02.06

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

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Engineer:
Design by:
R&D CHK:
DOC CTRL CHK:
MFG ENGR CHK:
QA CHK:
TITLE: MAIN_REV0.6
SIZE: A1
REV:
Drawing Number:
Page:
Checked by: (Jacob)
Date Checked:
Total Checked:

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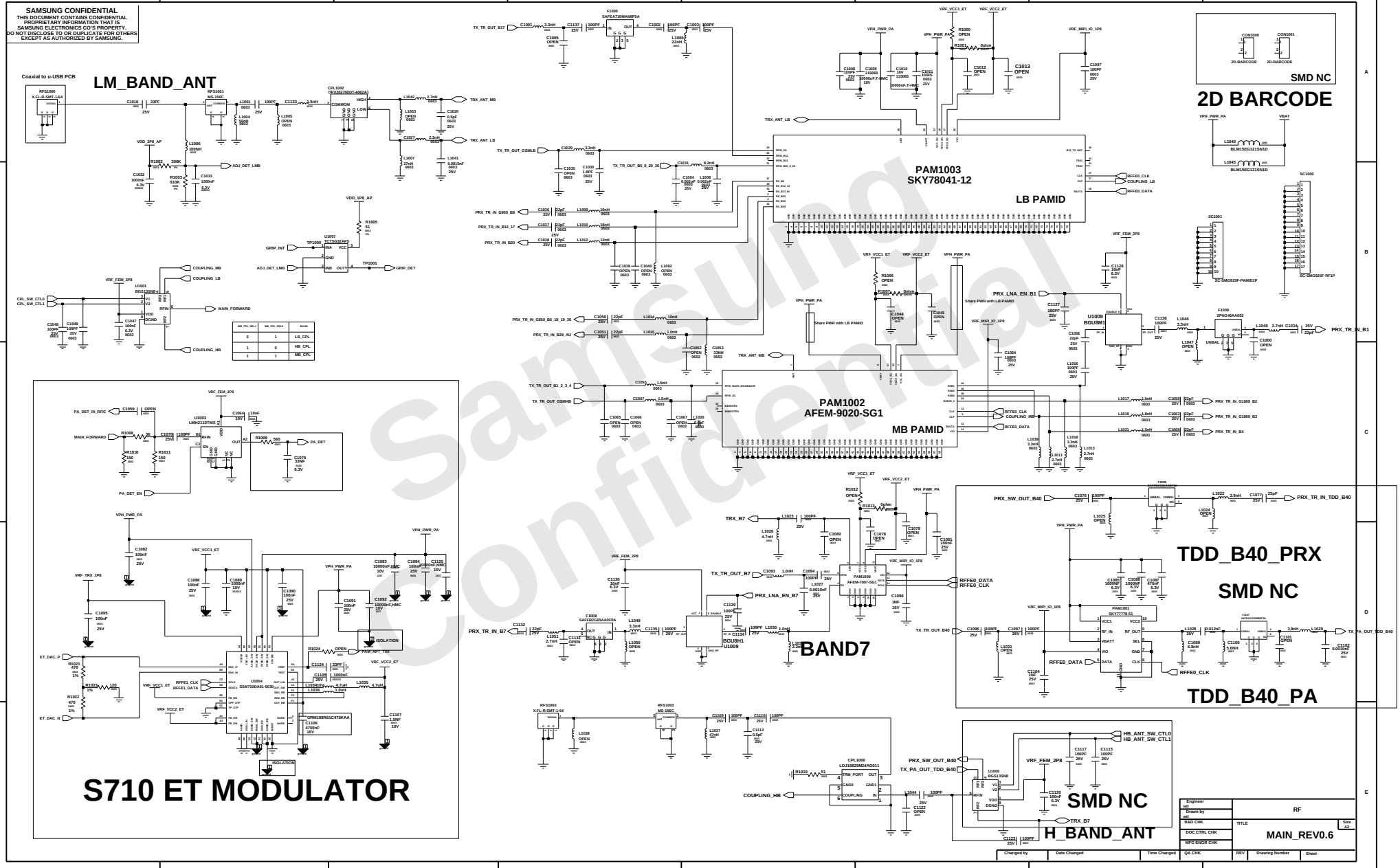

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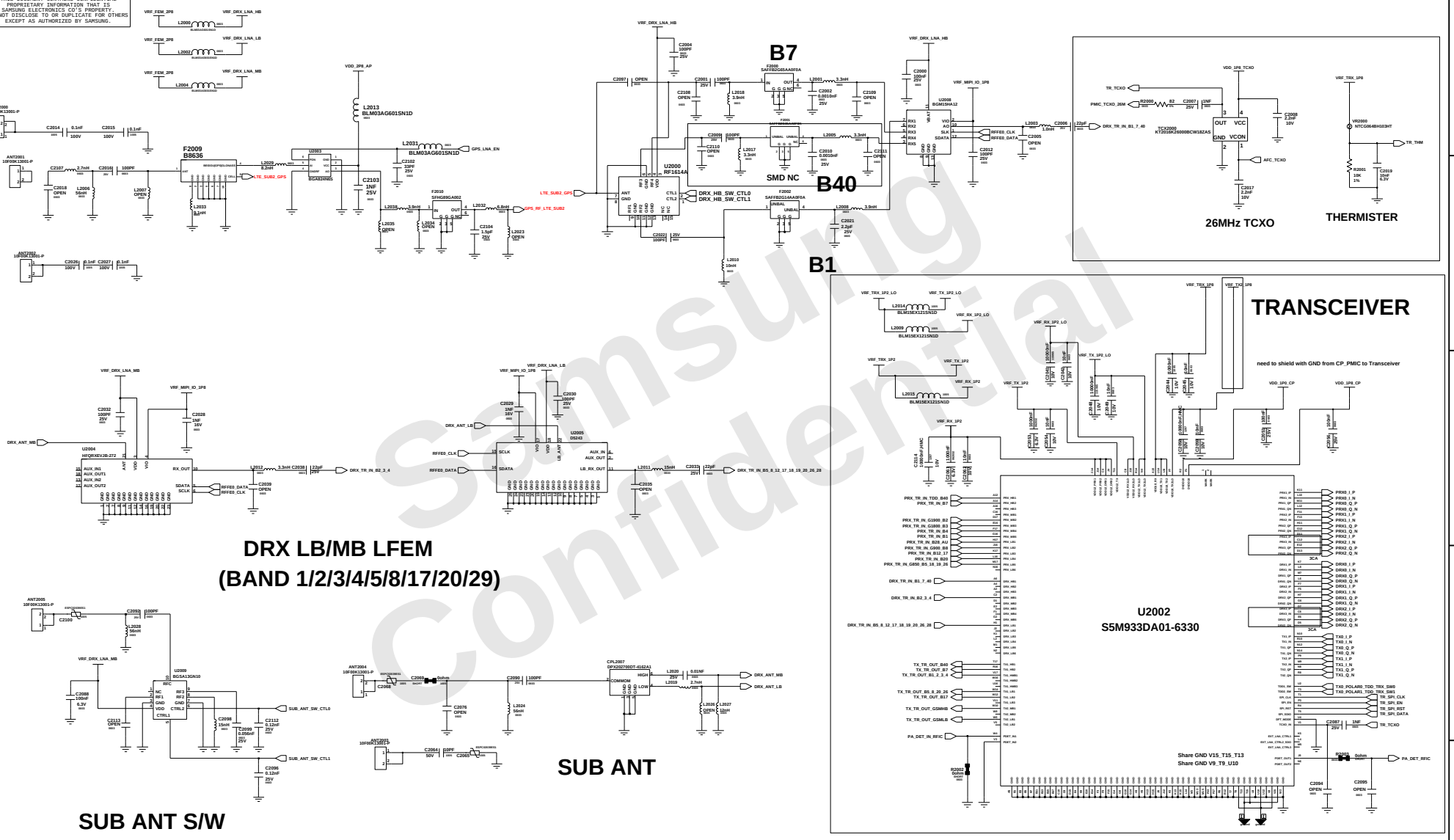

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Engineer	RF
Drawn by	
R&D CHK	TITLE
DOC CTRL CHK	MAIN_REV0.6
MFG ENGR CHK	Size A2

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

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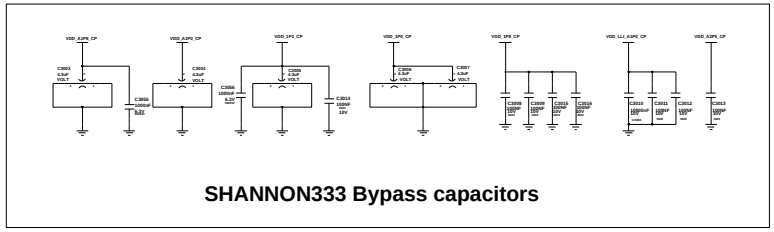
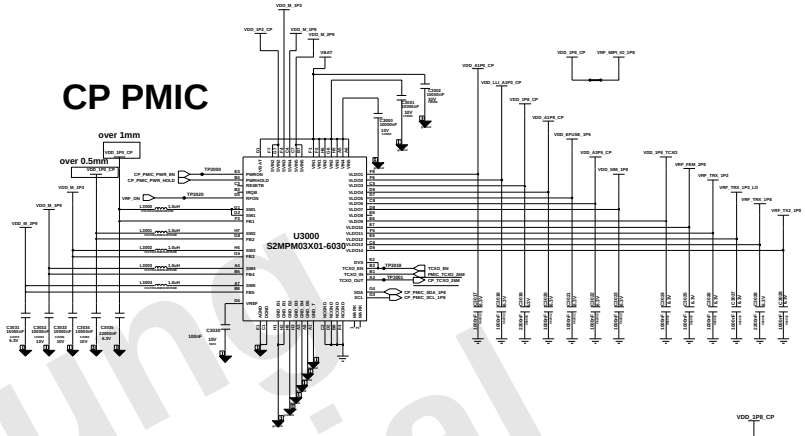
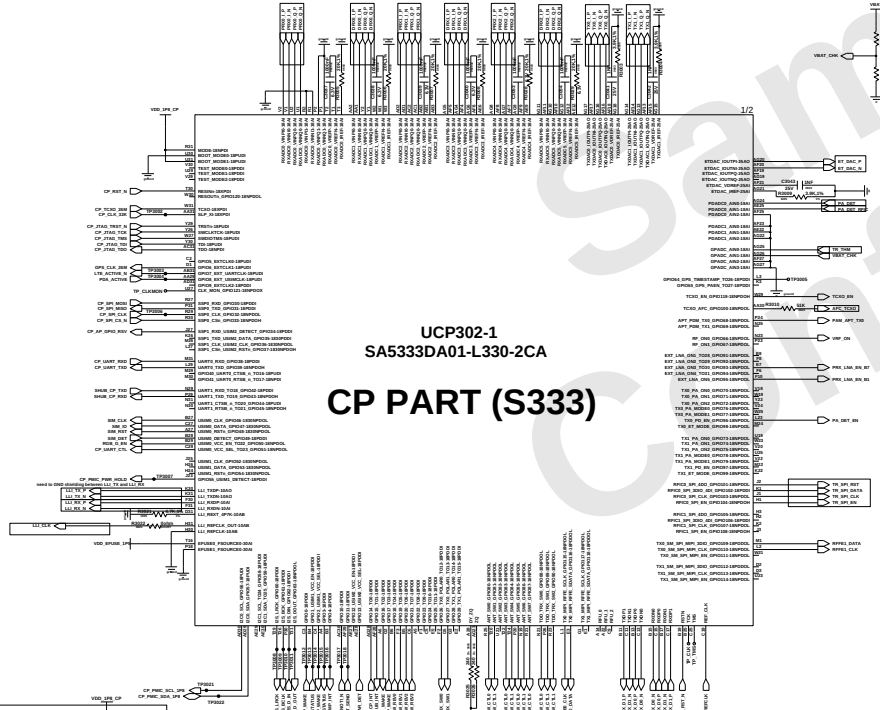
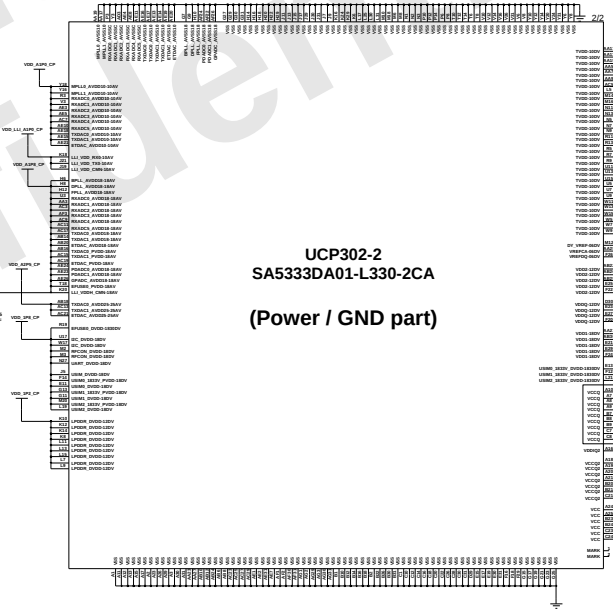
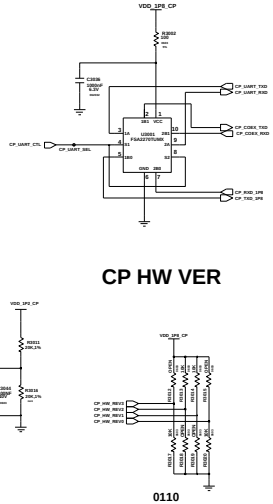


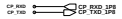








REV0.0	0000	S333 mPOP	
REV0.0B	0001	S333 mPOP	EVT1
REV0.1	0010	S333 mPOP	
REV0.2	0011	LNA_ADD	
REV0.3	0100	3CA	
REV0.4	0101	ADD VBAT_CHECK	
REV0.5	0110	ADD EAR_DET	
	1001		



Engineer:		CP, CP PMIC	
Sheet by:			
RED CHK:		TITLE: MAIN_REV0.6	SIZE: A1
DOC CTRL CHK:			
MFG ENGR CHK:			
QA CHK:		REV:	Drawing Number: Page:

Changed by: Date Changed: Time Changed:

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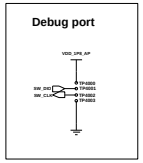
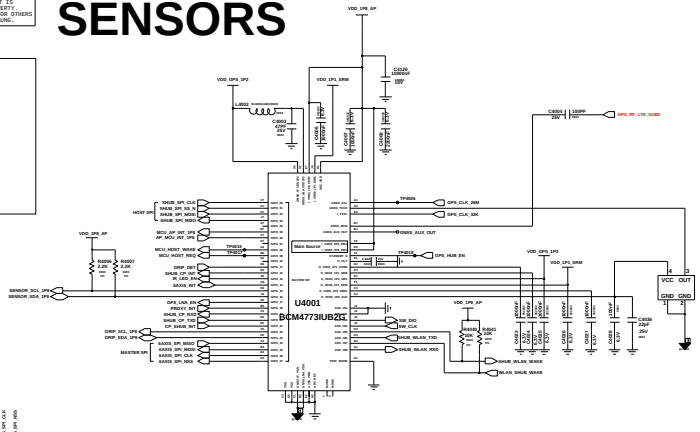
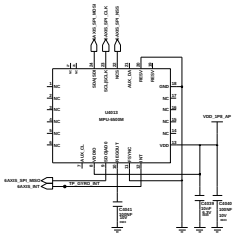
SENSORS

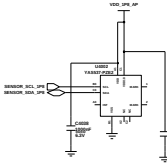




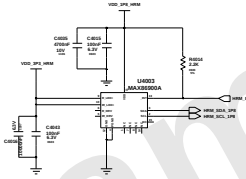
HUB



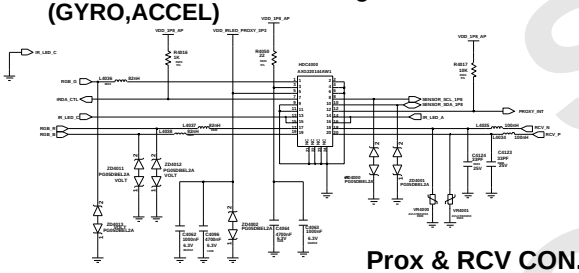
6 Axis Sensor (GYRO,ACCEL)



Magnetic Sensor



HRM Sensor



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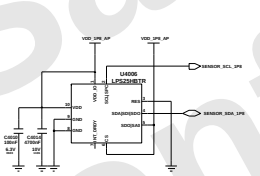
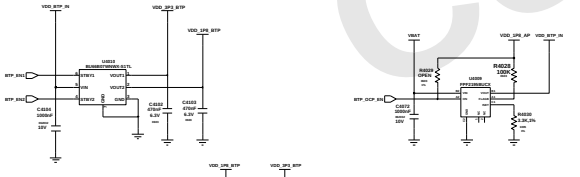
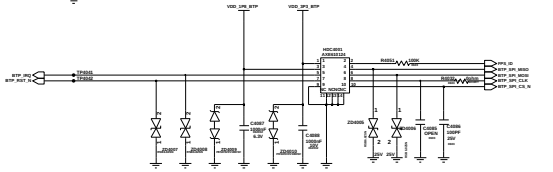


Barometer Sensor

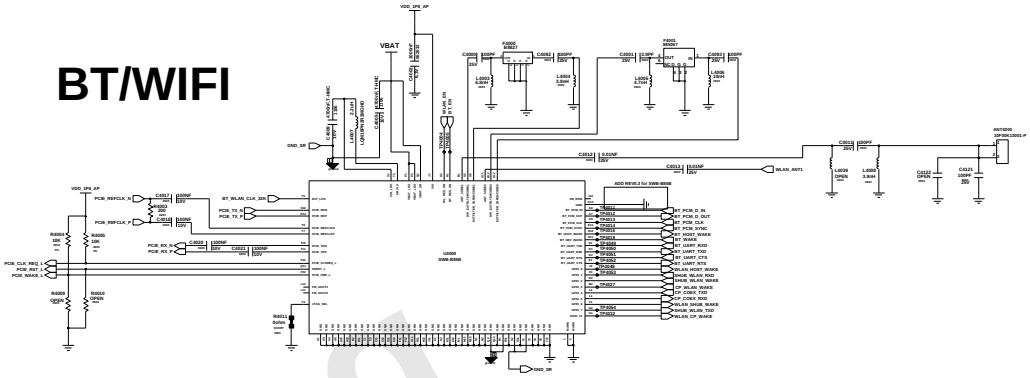
BTP

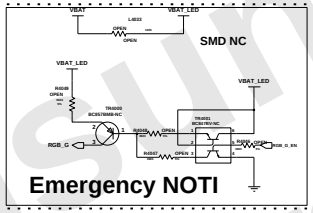


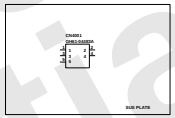


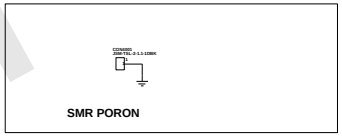
BTP IF Conn

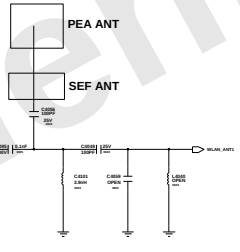
BT/WIFI











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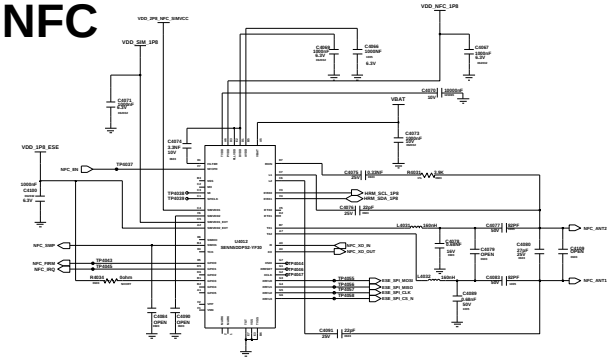

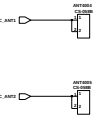

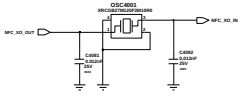

Engineer:	SENSOR, WIFI/BT/GPS/NFC
Sensor Sp:	
R&D CHK:	TITLE:
DOC CTRL CHK:	MAIN_REV0.6
MFG ENGR CHK:	
QA CHK:	

Changed By | Date Changed | Time Changed | REV | Drawing Number | Page

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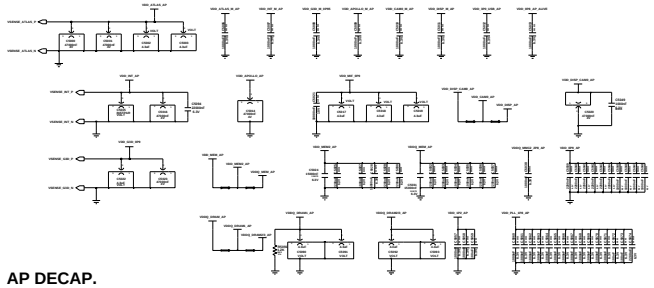
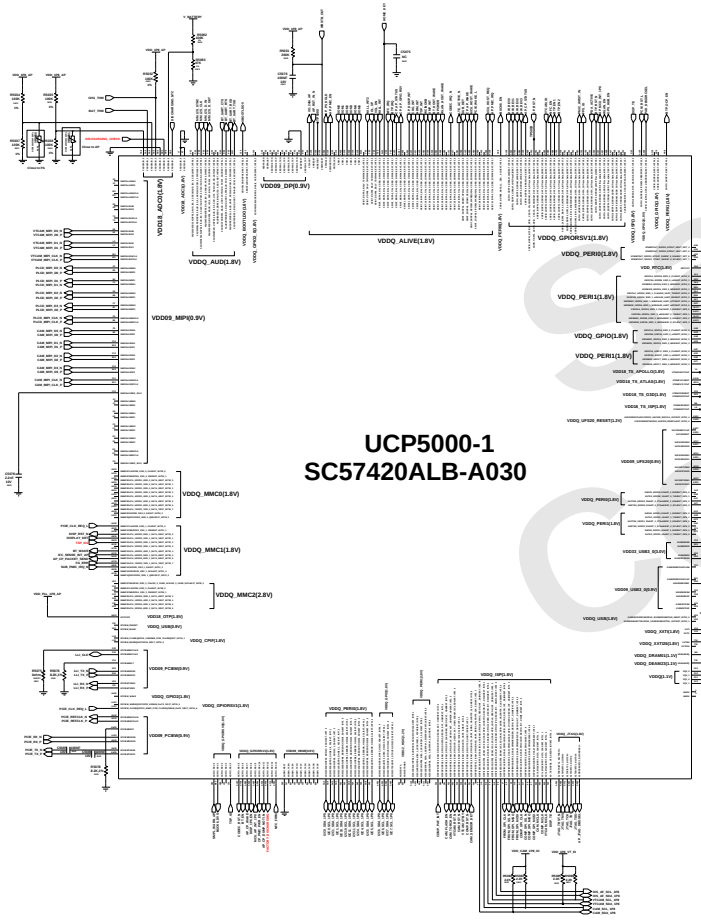
4. EXYNOS7420(ISTOR), eMMC



AP DECAP.



UCP5000-1
SC57420ALB-A030

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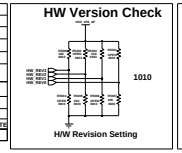
0010	MAIN_REV0.0B
0011	MAIN_REV0.1
0100	MAIN_REV0.1A
0101	MAIN_REV0.2
0110	MAIN_REV0.3
0111	MAIN_REV0.4
1000	MAIN_REV0.5
1001	MAIN_REV0.5 UFS FIRMWARE UPDATE
1010	MAIN_REV0.6

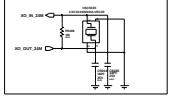
HW Version Check

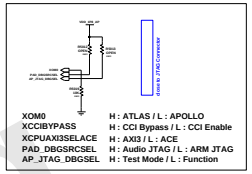


1010

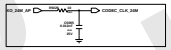
H/W Revision Setting

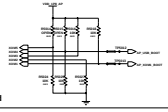
AP CLOCK





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





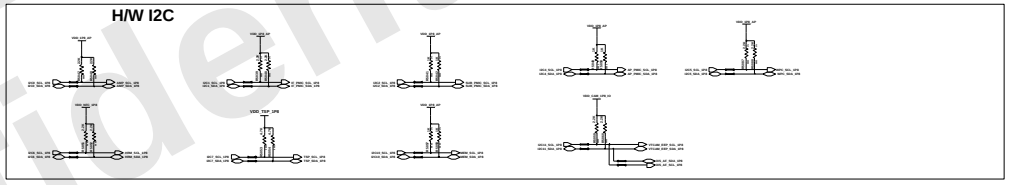
OM[5:1] 1st / 2nd

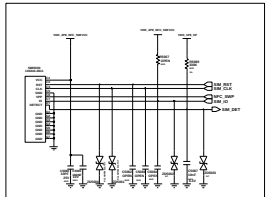
OM[5:1] 00000	eMMC (MSH CH0) with SWRST / USB
OM[5:1] 00010	SD_MMC (MSH CH2) / USB
OM[5:1] 00100	eMMC (MSH CH0) / USB
OM[5:1] 00101	UFS / USB
OM[5:1] 01000	eMMC (MSH CH0) with SWRST / SD_MMC (MSH CH2)
OM[5:1] 01100	eMMC (MSH CH0) / SD_MMC (MSH CH2) need to check
OM[5:1] 01101	UFS / SD_MMC (MSH CH2)

iROM BOOT

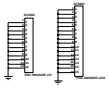
S/W I2C

H/W I2C

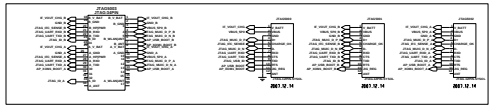


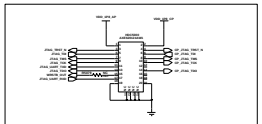


NANOSIM CON.



PCB JTAG





AP JTAG Connector

JTAG CONNECTOR

Project	AP, SIM&SD SOCKET
Revision	
Date	
Sheet / Total Sheet	MAIN_REV0.6
Size	

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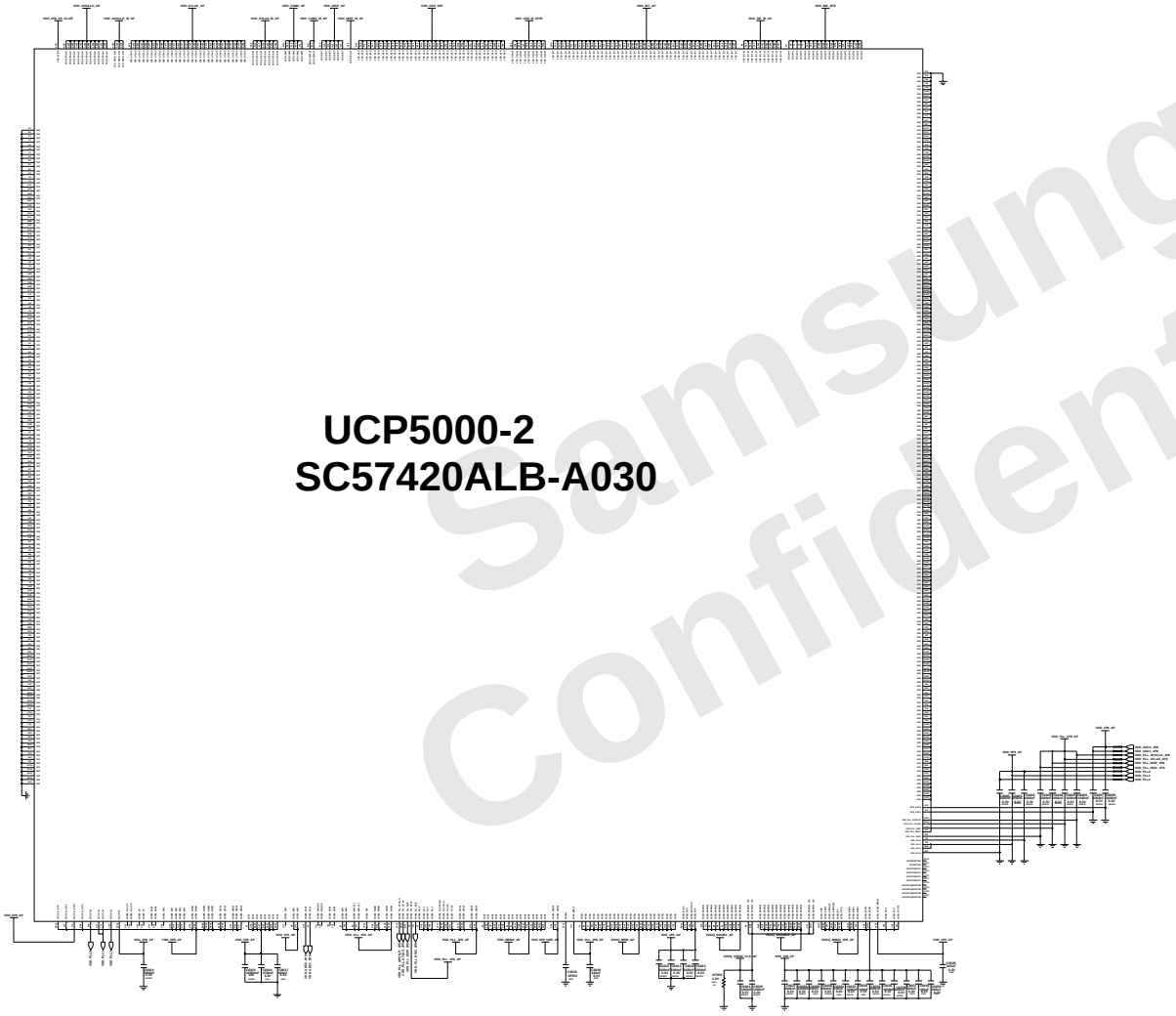

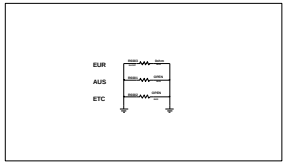

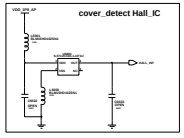

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Project	AP
Revision	
Schematic	
Schematic Date	MAIN_REV0.6
Schematic Type	
Schematic Name	

Changed By | Date Changed | Field Changed | Action | Old | Changed Item | New

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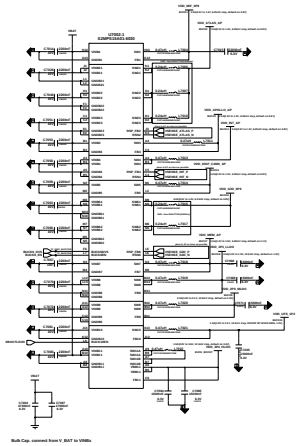
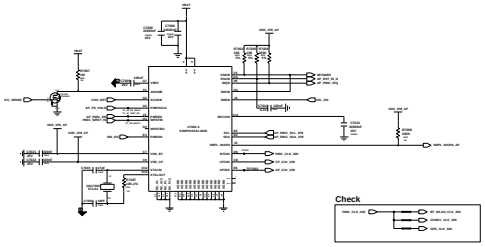
AP PMIC





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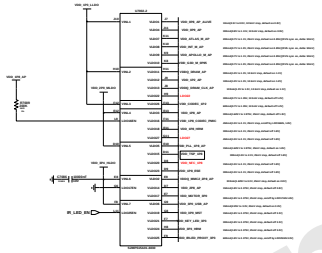
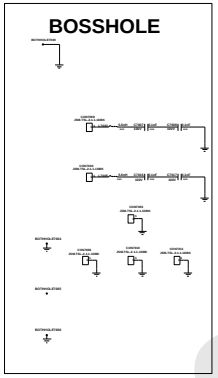
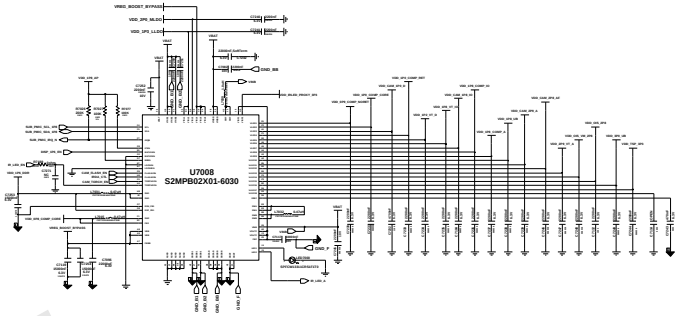


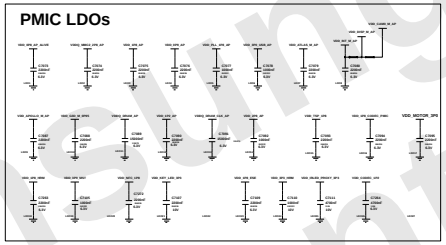
BOSSHOLE

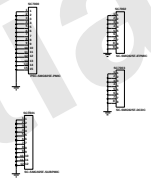


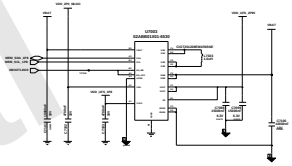


SUB_PMIC(S2MPB02)

PMIC LDOs







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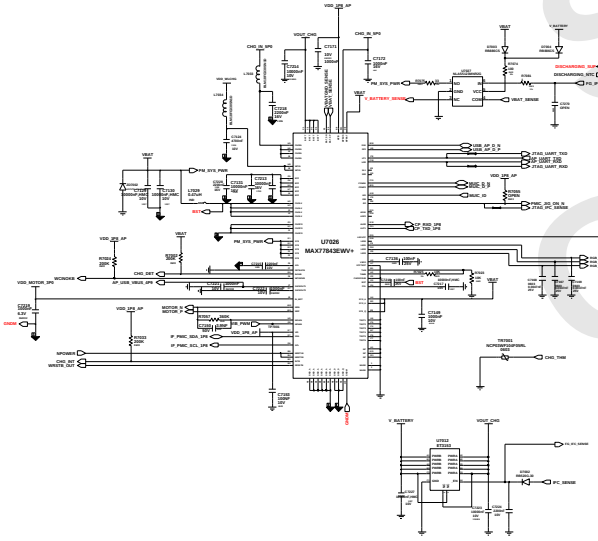

IF PMIC (CL43)

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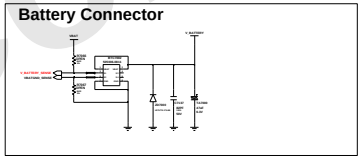
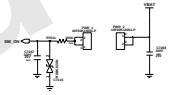
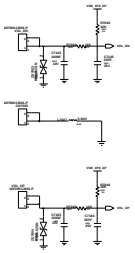




POWER KEY

MOTOR



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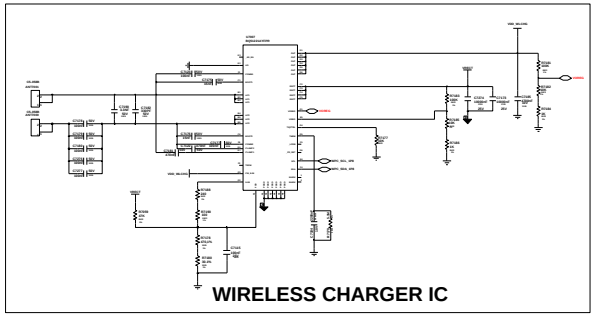

WIRELESS CHARGER IC

Project	APSRSUB PMIC, WLCHG
Revision	
Schematic	MAIN_REV0.6
Date	
Time	
Schematic Name	

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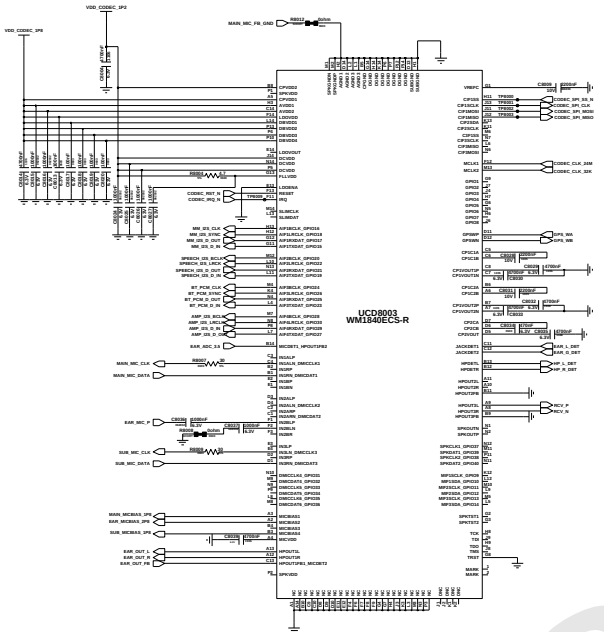
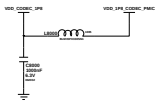
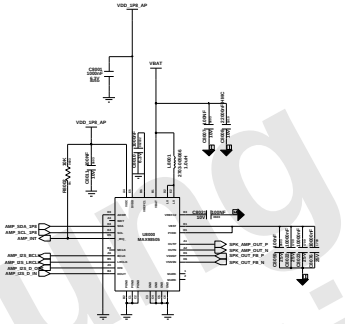
AUDIO

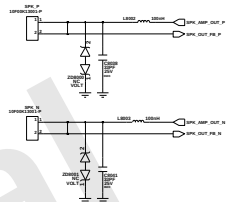


AUDIO CODEC

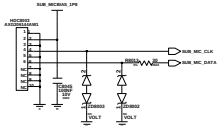




SPK AMP



SPK CONTACT



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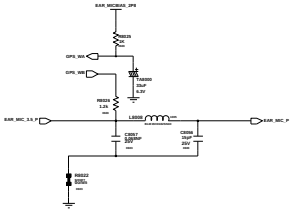
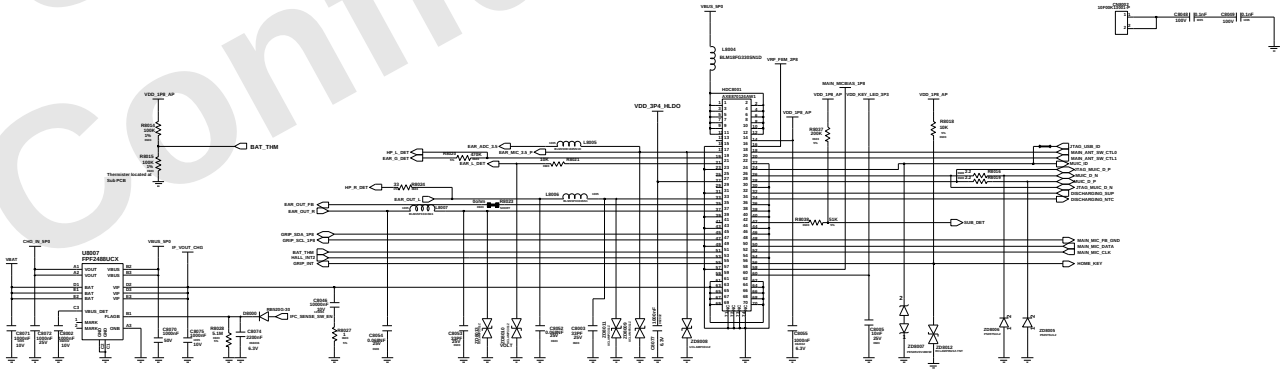


Ear MIC



SUB FPCB IF CONN.

(USB2.0 / Main ANT / MIC)

Engineer:	AUDIO, SUB PCB CON.
Schem Eng:	
REQ CHG:	TITLE: MAIN_REV0.6
DOC CTRL CHG:	
MFG ENGR CHG:	
QA CHG:	REV: A1

Changed By: | Date Changed: | Time Changed: | Drawing Number: | Page: 6

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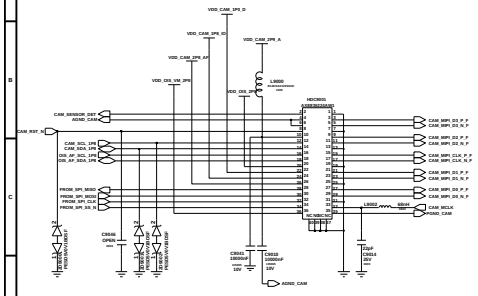
CAMERA



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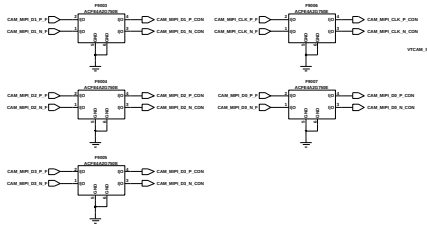
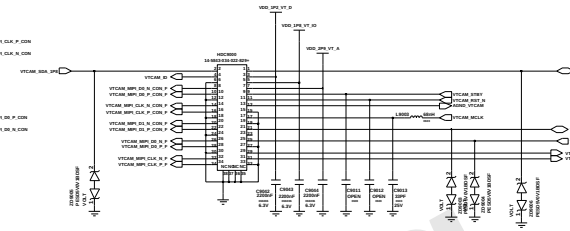


MIPI Filters



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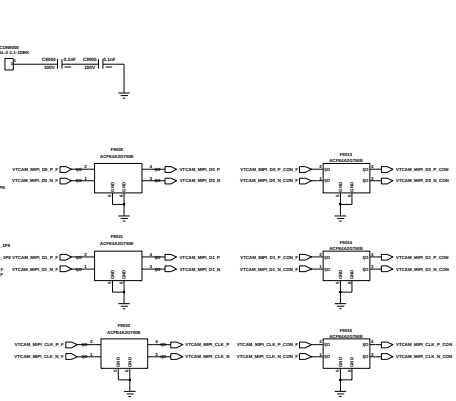
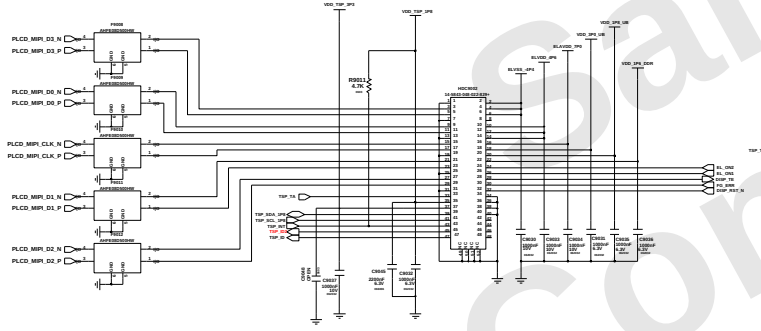
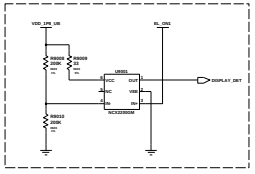


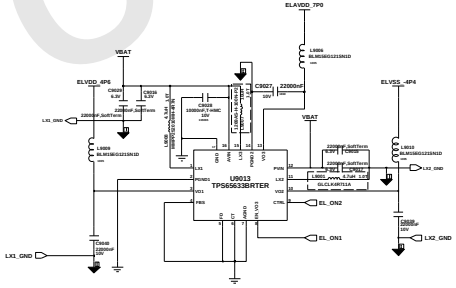
MIPI Filters

DISPLAY (For WQHD)

OCTA CONN







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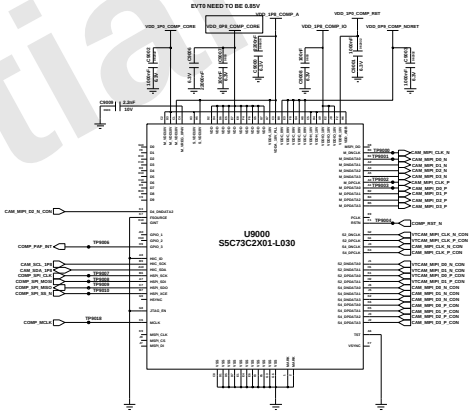

COMPANION IC

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Engineer:	CAMERA, DISPLAY
Drawn by:	
R&D CHK:	TITLE:
DOC CTRL CHK:	MAIN_REV0.6
MFG ENGR CHK:	
QA CHK:	

Changed by: | Date Changed: | Time Changed: | Rev: | Drawing Number: | Page: