



SM-G928C_REV0.5

2015.06.24(C9002 33->22pF)

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

	PAM1000	U9407	RF part	U9344 R5100/R5101 UCP302 R3035/R3036	SIM5000/SIM5001 R3019/R3037 R5093/R5094
928F/3CA/SS	LMT1MT10-426	MT08V4J/B-301	BAND 20	3CA S5M933DA02-6031 R3035 3CA SA5333DA01-L030 R5100	SIM5000 R5094 R3019
928C/2CA/SS	LMT1MT10-426	MT08V4J/B-301	BAND 20	2CA S5M933DA02-6331 R3036 2CA SA5333DA01-L330 R5101	SIM5000 R5094 R3019
928I/3CA/SS	SKY78042	MT08V4J/B-304	BAND 20 + BAND 40	3CA S5M933DA02-6031 R3035 3CA SA5333DA01-L030 R5100	SIM5000 R5094 R3019
928G/2CA/SS	SKY78042	MT08V4J/B-304	BAND 20 + BAND 40	2CA S5M933DA02-6331 R3036 2CA SA5333DA01-L330 R5101	SIM5000 R5094 R3019
9287C/2CA/OS	SKY78042	MT08V4J/B-304	BAND 20 + BAND 40/41	2CA S5M933DA02-6331 R3036 2CA SA5333DA01-L330 R5101	SIM5001 R5093 R3457

[illegible][illegible][illegible]

The diagram shows the internal circuitry of the S710 ET Modulator. It features a central integrated circuit (IC) with multiple pins connected to various components. Key components include:

- Power Supply Section:** A transformer (T1) provides AC input. A bridge rectifier (BR1) converts AC to DC. A filter capacitor (C1) smooths the DC output. A voltage divider (R1, R2) provides a reference voltage.
- Control Section:** A microcontroller (U1) is connected to the power supply and a clock source (C2). It controls the output stage via a driver (U2).
- Output Stage:** A power MOSFET (Q1) drives the load (L1) through a matching network (C3, C4, C5).
- Protection and Monitoring:** A thermal shutdown circuit (TSD) is connected to the MOSFET. A current sense resistor (R3) monitors the load current.
- Connectors:** The circuit has several connectors for external signals and power, including a 5V GND pin, a 5V GND pin, and a 5V GND pin.

The diagram is a detailed schematic showing the internal components and their interconnections, providing a comprehensive view of the modulator's internal structure.

[illegible][illegible][illegible]

Model	TX Power (dBm)	Modulation
9288-750	23	QPSK
9288-750	23	QPSK

RF2

SMR Poron

F2001 B9336

GPS/GNSS LNA Circuit

SUB ANT SW1

SUB ANT SW2

TRANSCEIVER

U9407 HFQXR4WJB-301

U2006 HFQXEVJB-308

U2010 HFQXEVJB-303

U9344 S5M933DA02-6331

2CA S5M933DA02-6331

3CA S5M933DA02-6031

LB LFEM

26MHz TCXO

THERMISTOR

Global, KOR : HFQXR4WJB-301

AUS : HQXR4WJB-304

EU/MA/SEA : HFQXEVJB-303

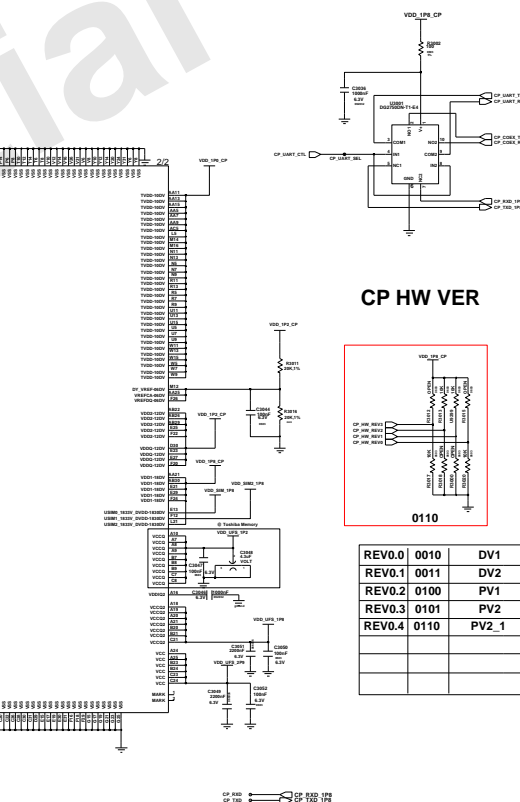
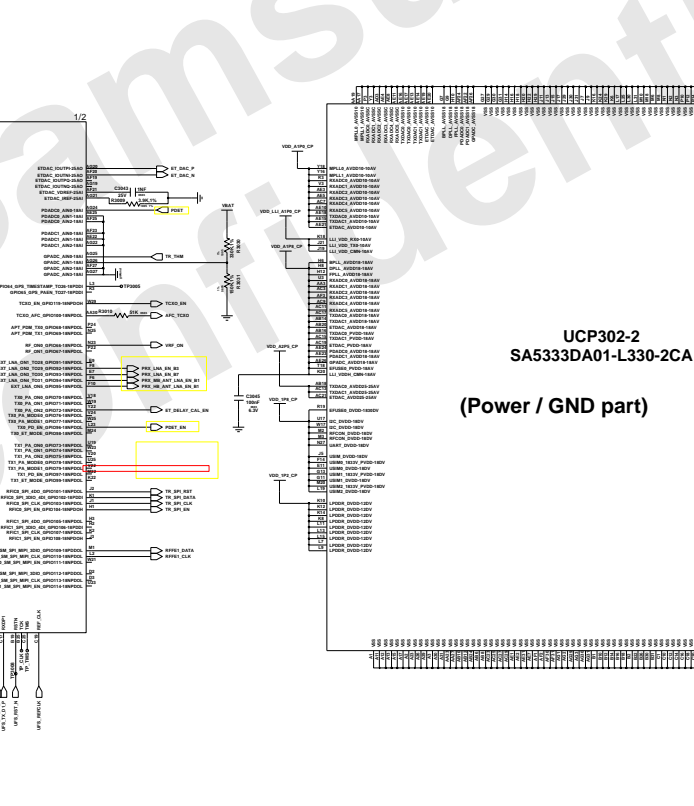
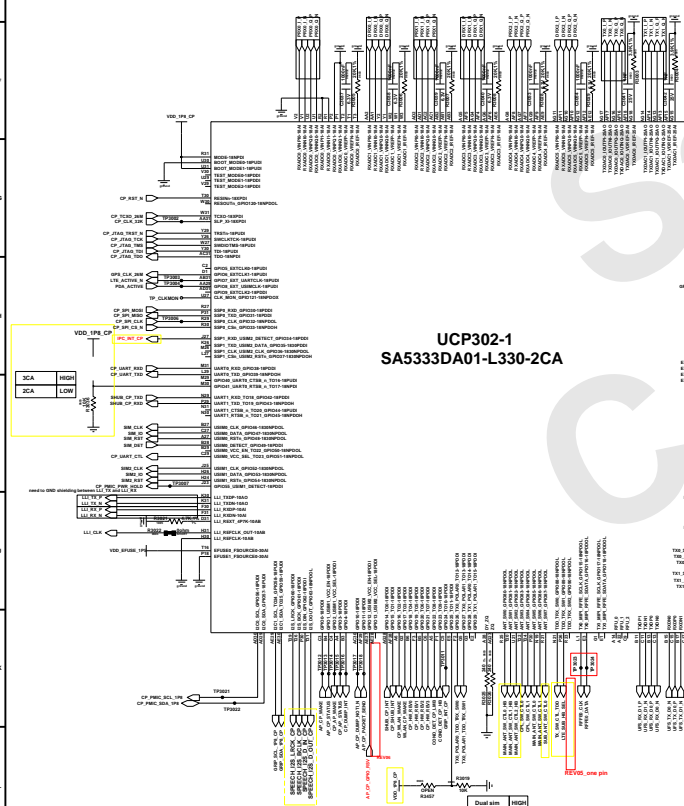
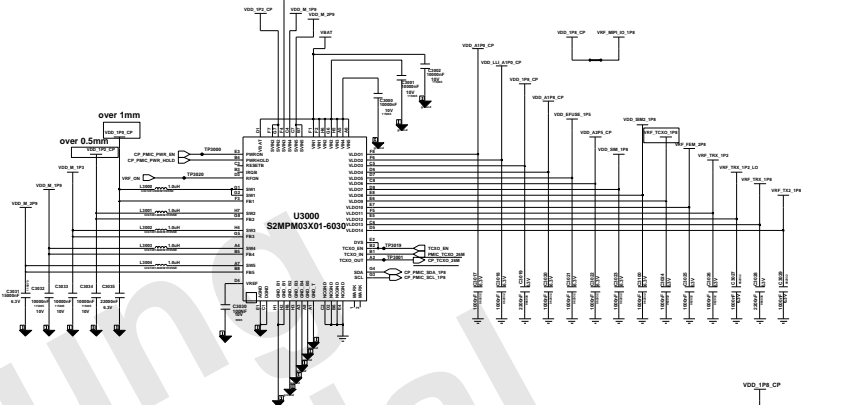
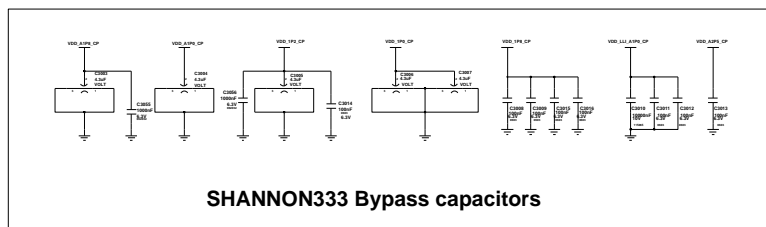
Share GND V15, T15, T16

Share GND V9, U10

```
user60|swcad60|10.253.20.112|20150713-123548
```

CP PART (S333)

CP PMIC

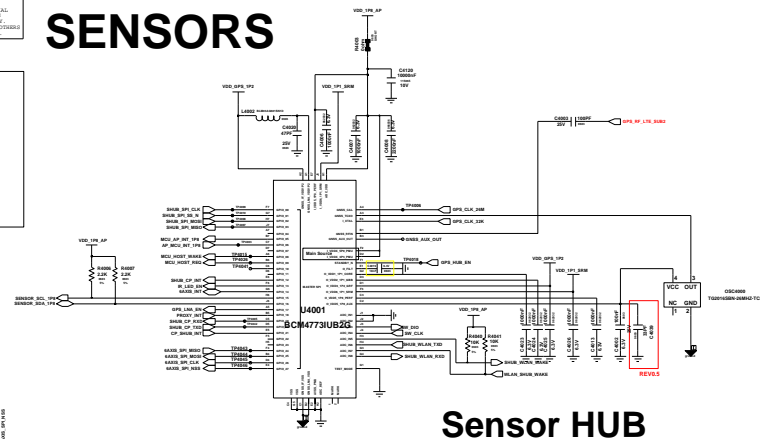
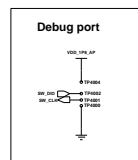


REV0.0	0010	DV1
REV0.1	0011	DV2
REV0.2	0100	PV1
REV0.3	0101	PV2
REV0.4	0110	PV2_1

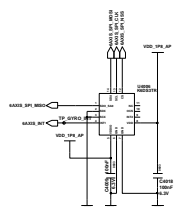
CP JTAG

Project	CP, CP PMIC
Version	1.0
File Name	MAIN_REV0.0
Rev	0.0
Rev	0.0
Rev	0.0
Rev	0.0

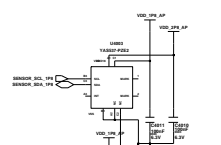
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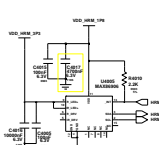
Sensor HUB



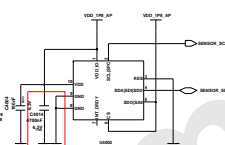
6 Axis Sensor



Magnetic Sensor



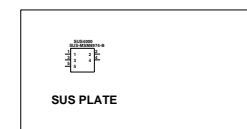
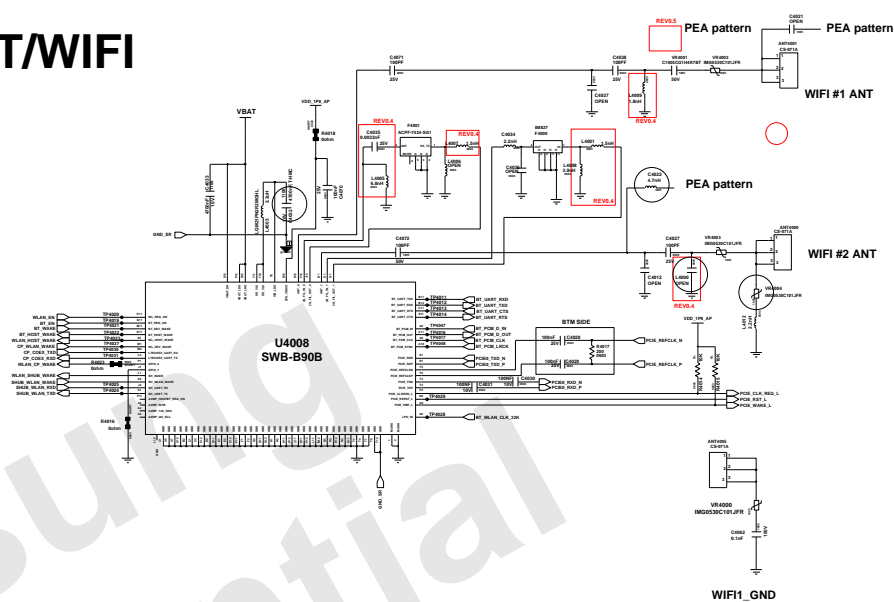
HRM Sensor



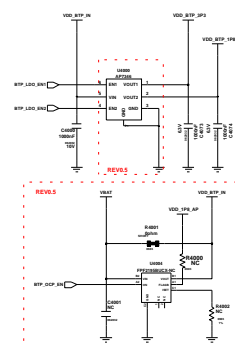
REV0.4

Barometer Sensor

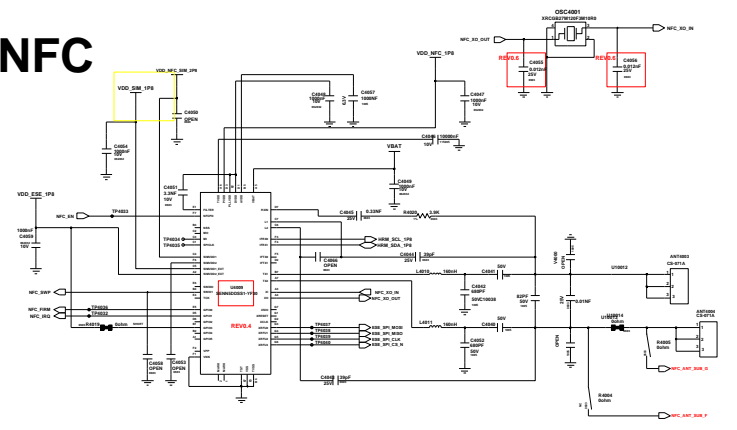
BT/WIFI



BTP

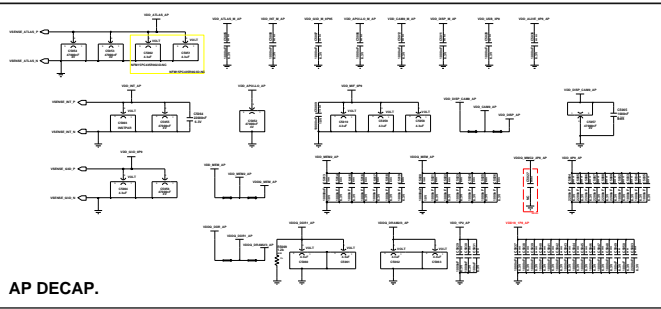


NFC



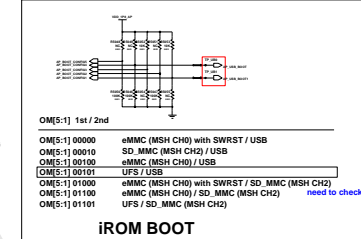
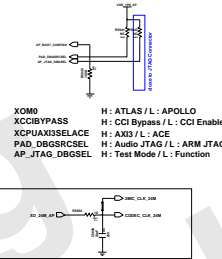
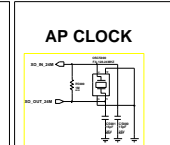
Engineer:	SENSOR, WIFI/BT/GPS/NFC		
Drawn by:			
P&ID CHK:	FILE:	Sheet 83	
DOC CTRL CHK:	MAIN_REV0.2		
INFO & NOTE CHK:			
QA CHK:	REV	Drawing Number	Page

4. EXYNOS7420(ISTOR), eMMC

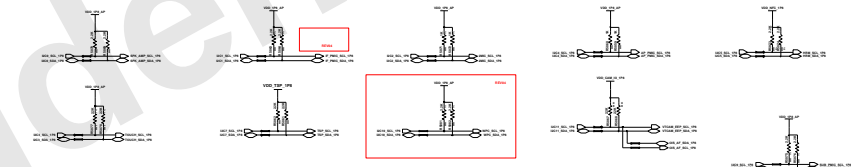


0000	None
0001	REV0.0 DV1
0010	None
0011	REV0.1 DV2
0100	REV0.2 PV1
0101	None
0110	None
0111	REV0.3 PV2
1000	None
1001	REV0.4 PV2.1
1010	None

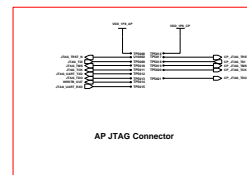
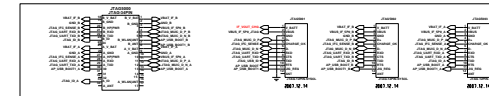
HW Version Check
HW Revision Setting



H/W I2C



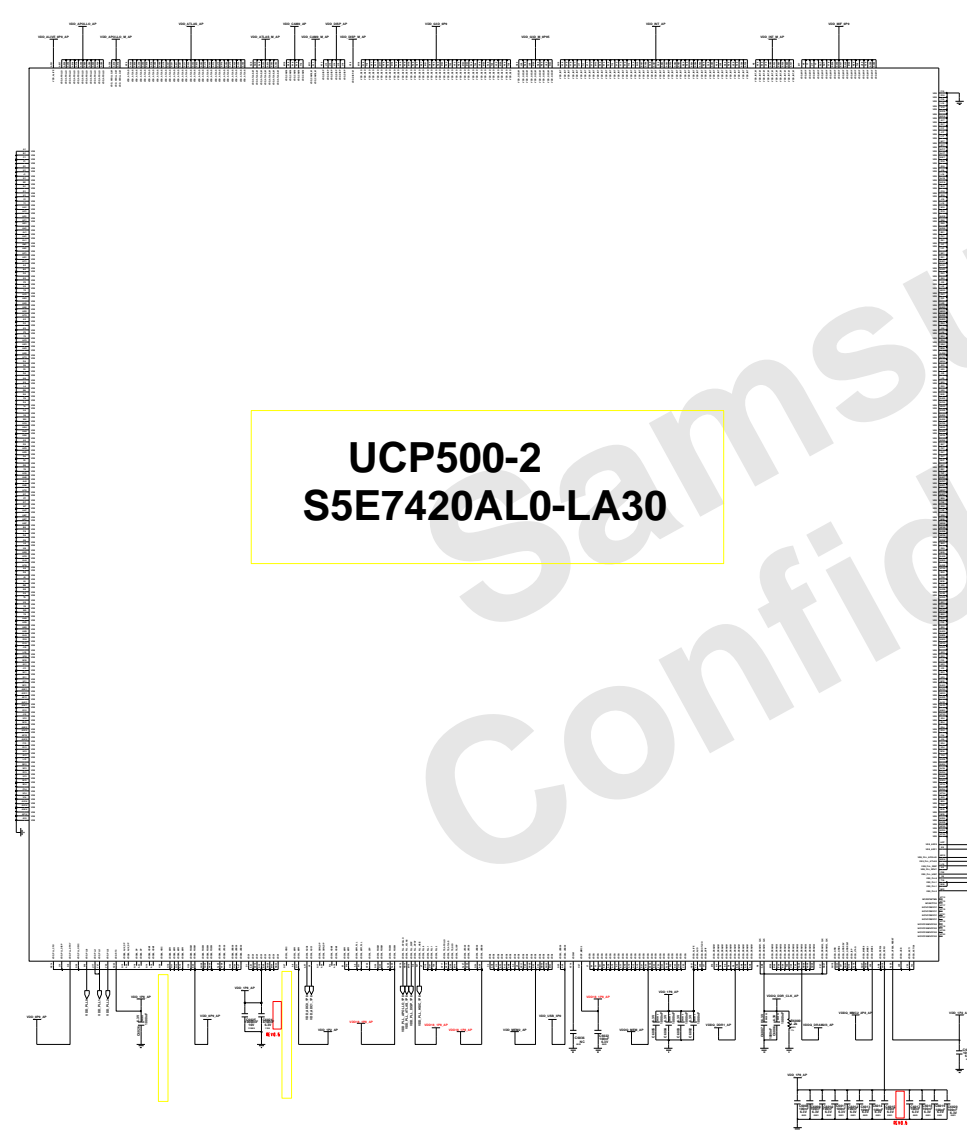
PCB JTAG



UCP500-1
S5E7420AL0-LA30

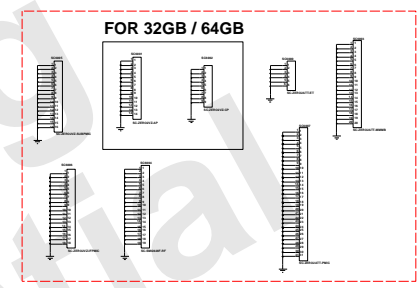
AP JTAG CONNECT
MAIN_REV0.2

STANDARD CONFIDENTIAL



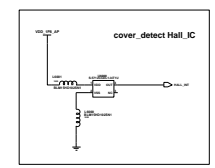
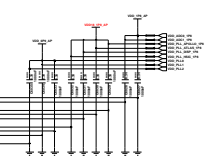
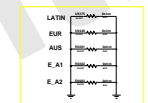
32GB / 64 GB : USE SC6008 AND SC6009
128 GB : USE SC6001

Shieldcan

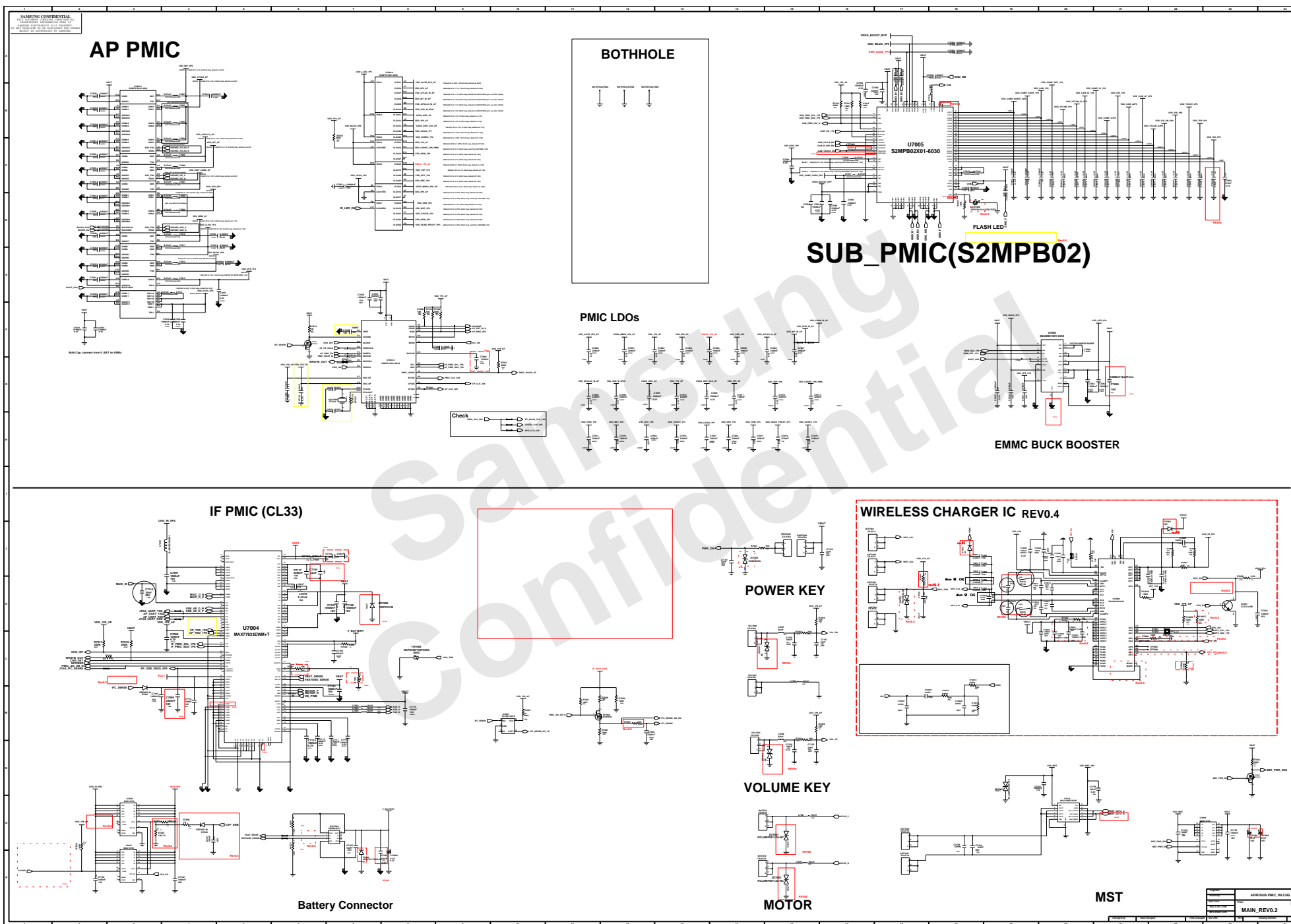


FOR 128GB

PIC-8002501-AP
GH3-10007A

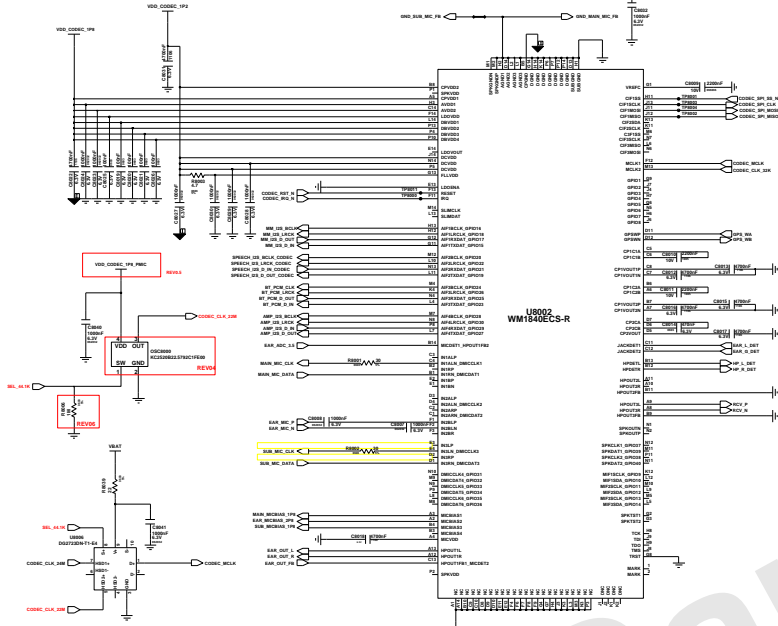


AP_IRDA
MAIN_REV0.2



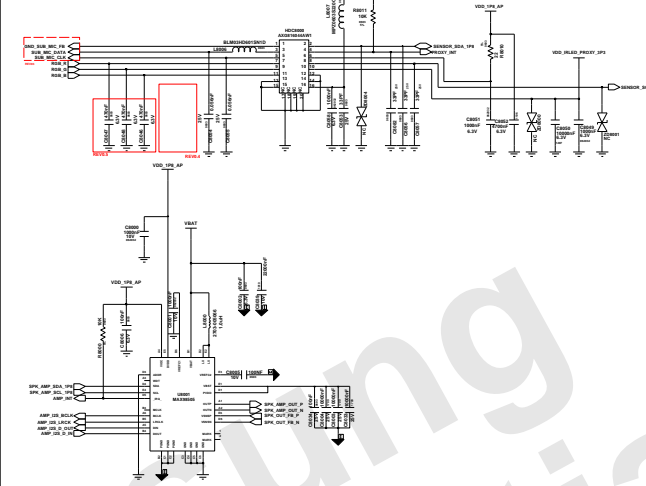
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AUDIO

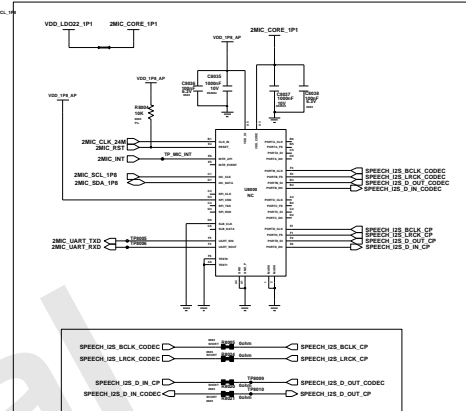


AUDIO CODEC

SENSOR & SUB MIC CON

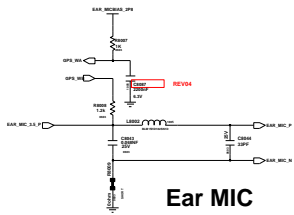


SPK AMP

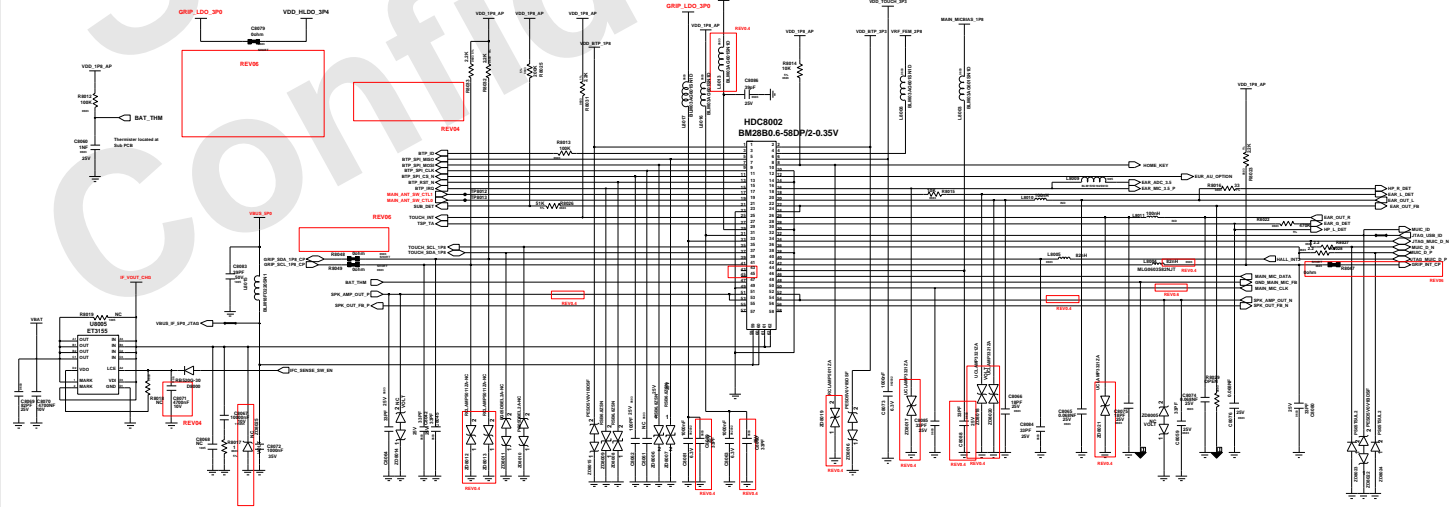


2MIC NS(SMD ES804)

RCV CON



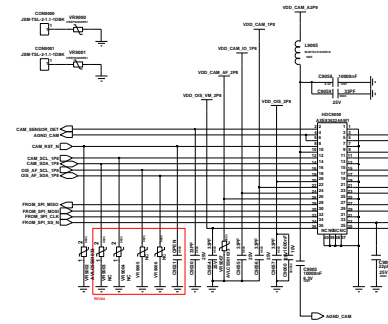
Ear MIC



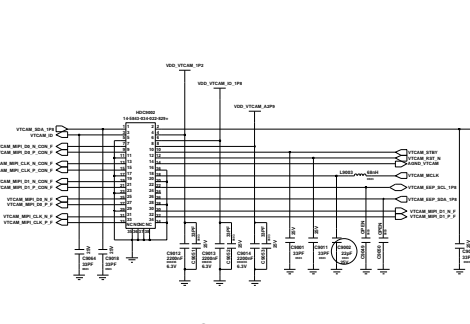
SUB FPCB IF CONN. (USB2.0 / Main ANT / MIC)

Project	AUDIO, SUB PCB CON.
Version	1.0
Doc No.	MAIN_REV0.2
Doc Date	2015.07.13
Doc By	user60

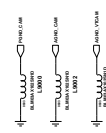
CAMERA



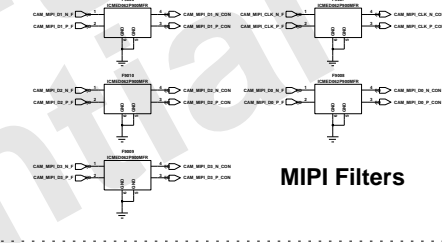
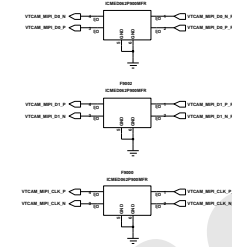
16M_CAM



5M_CAM

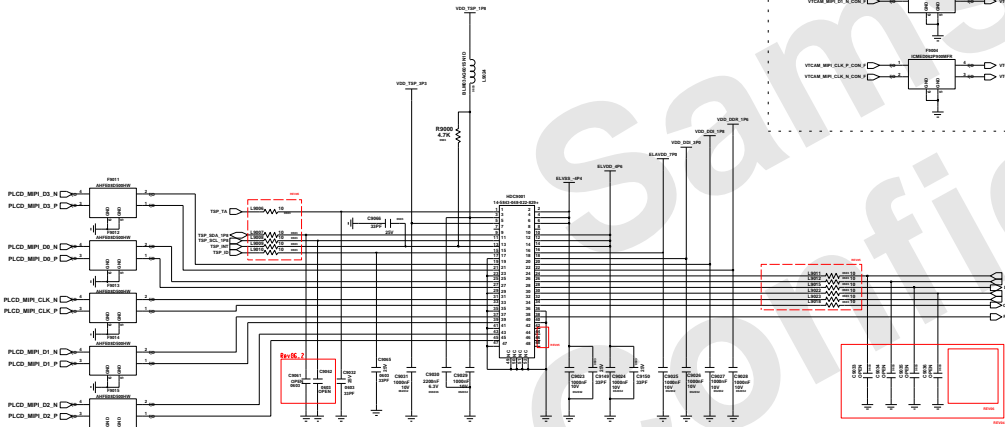


MIPI Filters

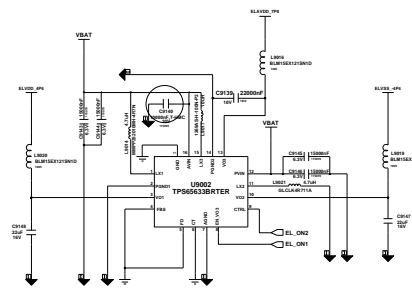
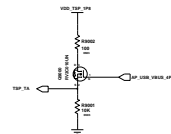
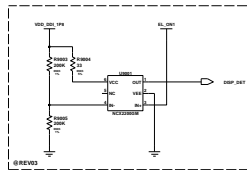


MIPI Filters

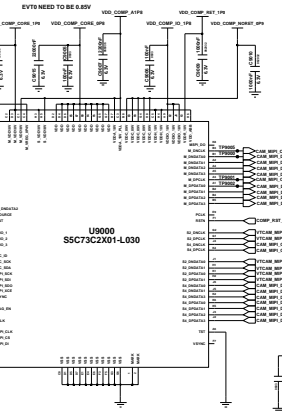
DISPLAY (For WQHD)



DISPLAY CONN



OCTA DCDC



COMPANION IC

Figure	CAMERA, DISPLAY, MHL
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Product Code	10000000000000000000
Product Code	10000000000000000000
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