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DATE 03/12/2013 BY 60322/UC/STW/STW

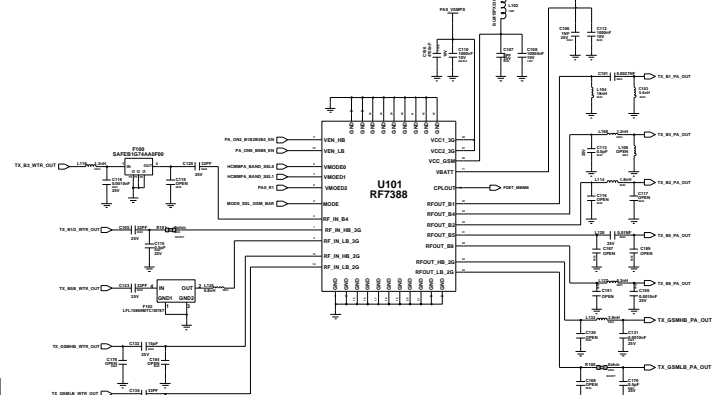
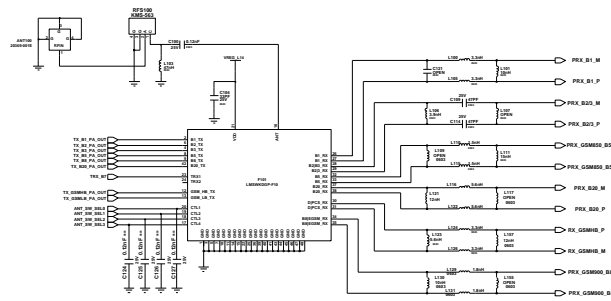
GT-I9505 REV0.9(FUSION)

(Main Board / include Sensor HUB)

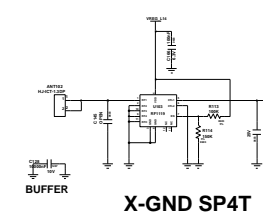
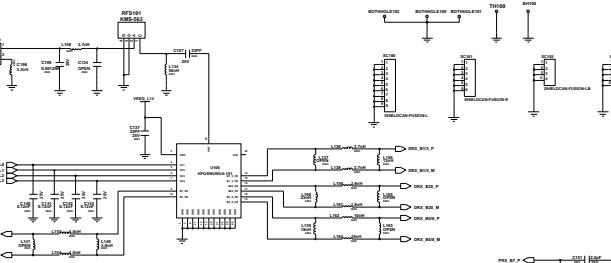
2013.03.12

- sheet01 : GSM / WCDMA / LTE RF
- sheet02 : GPS, FM, BT, WIFI, SENSOR HUB, NFC
- sheet03 : TRANCEIVER
- sheet04 : CP PMIC
- sheet05 : CP (MDM9215)
- sheet06 : AP (FUSION3)
- sheet06 : AP (FUSION3)
- sheet08 : AP PMIC
- sheet09 : IF PMIC, IRDA, SUB CON, Volume Key
- sheet10 : AUDIO
- sheet11 : MHL, DISPLAY, CAM

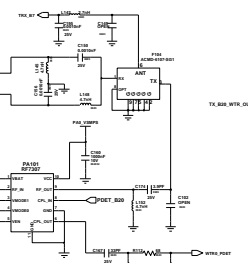
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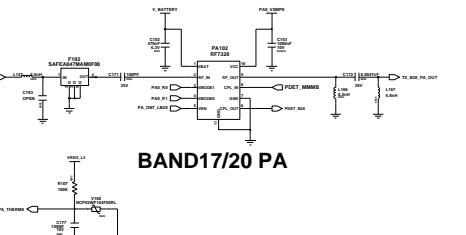
BAND1/2/3/4/5/8, GSM QUAD MMBB PA



X-GND SP4T



BAND7 PA



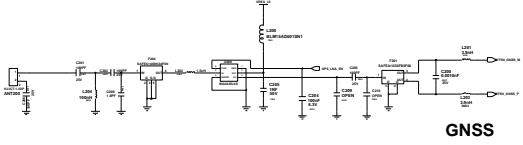
BAND17/20 PA

THERMISTOR

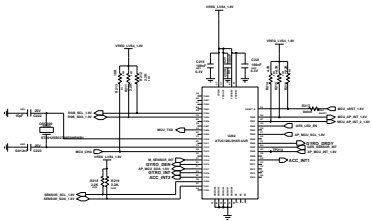
Project	RF Front-End
Rev	1.0
Doc No.	RF-FRONT-001
Doc Rev	1.0
Doc Date	2012.01.10
Doc Desc	RF Front-End
Doc Rev	1.0
Doc Date	2012.01.10
Doc Desc	RF Front-End
Doc Rev	1.0
Doc Date	2012.01.10
Doc Desc	RF Front-End

WARNING: COMPONENTS
 THIS BOARD IS NOT A COMPLETE KIT. IT IS A DEVELOPMENT BOARD. IT IS NOT INTENDED FOR USE IN LIFE-SUPPORT, SAFETY-CRITICAL, OR OTHER HIGH-RELIABILITY APPLICATIONS. IT IS NOT INTENDED FOR USE IN ANY APPLICATION WHERE FAILURE COULD BE DANGEROUS TO PERSONS OR PROPERTY. IT IS NOT INTENDED FOR USE IN ANY APPLICATION WHERE FAILURE COULD BE DANGEROUS TO PERSONS OR PROPERTY.

GPS



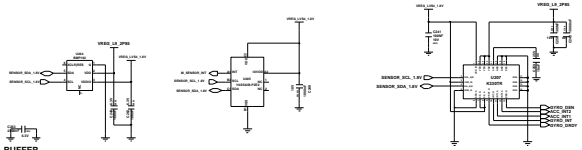
SENSOR HUB



For debug and downloading

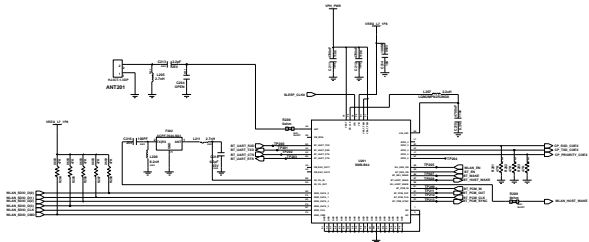
(F:128Kb, S:32Kb)

SENSORS

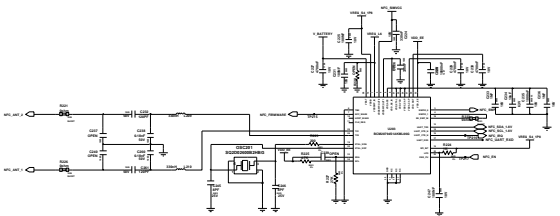


Barometer Sensor Magnetic Sensor 6 Axis Sensor (GYRO, ACCEL)

BT/WIFI

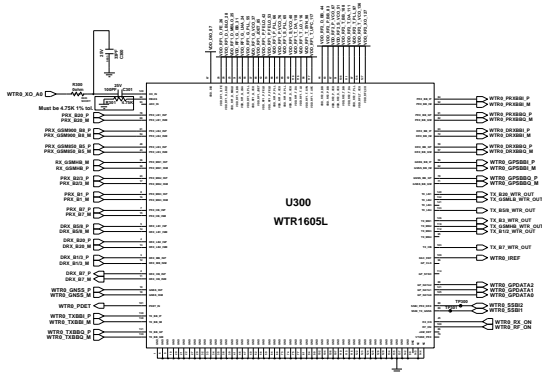


NFC

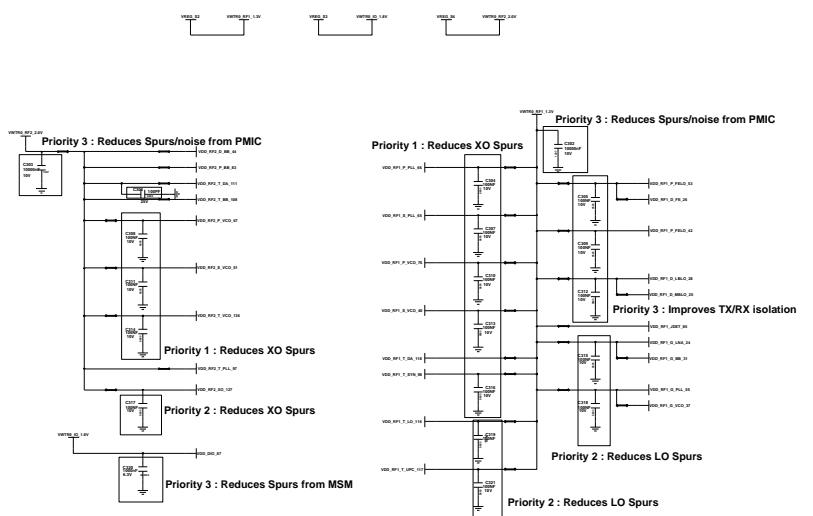


Version:	1.0
Author:	2.8U LTE
License:	CC BY-NC-SA
Copyright:	2023

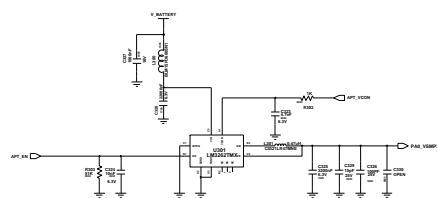
TRANCEIVER



U300
WTR1605L



All decaps should have star connections

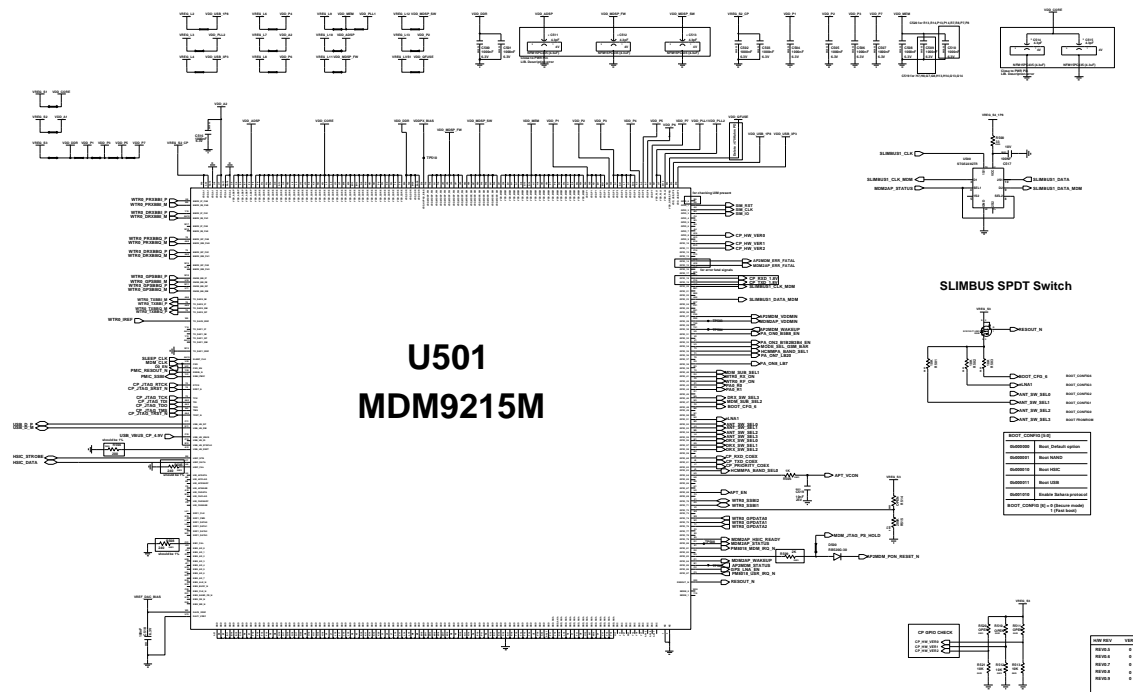


PA DCDC

Project Name	Tranceiver
Rev	1.0
Author	J. EU_LTE
Checked By	
Date	

WARNING: COMPONENTS
 ARE NOT TO BE TESTED OR
 REWORKED. THE BOARD IS
 DESIGNED FOR SINGLE-SIDE
 MOUNTING. THE BOARD IS
 DESIGNED FOR SINGLE-SIDE
 MOUNTING. THE BOARD IS
 DESIGNED FOR SINGLE-SIDE
 MOUNTING.

CP PART



U501 MDM9215M

SLIMBUS SPDT Switch

BODY CONNECTIONS

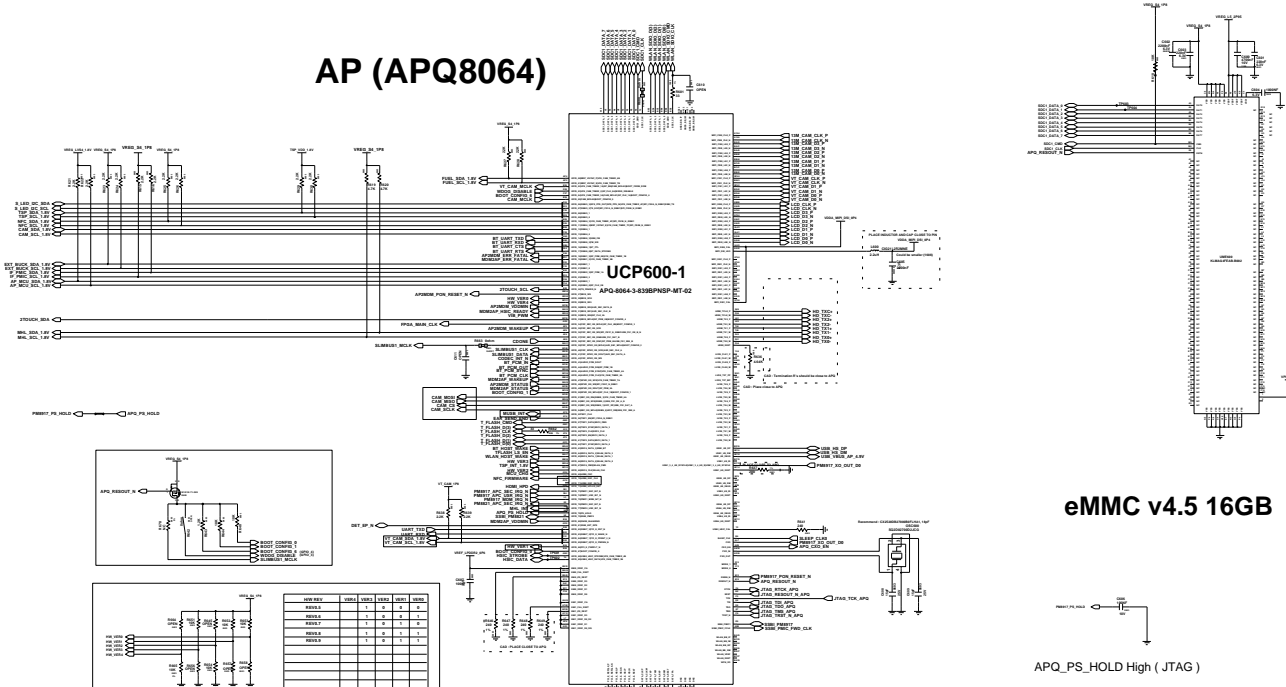
SLIMBUS_SDA	SLIMBUS_SDA
SLIMBUS_SDB	SLIMBUS_SDB
SLIMBUS_SDC	SLIMBUS_SDC
SLIMBUS_SDD	SLIMBUS_SDD
SLIMBUS_SDE	SLIMBUS_SDE
SLIMBUS_SDF	SLIMBUS_SDF
SLIMBUS_SDG	SLIMBUS_SDG
SLIMBUS_SDH	SLIMBUS_SDH
SLIMBUS_SDI	SLIMBUS_SDI
SLIMBUS_SDJ	SLIMBUS_SDJ
SLIMBUS_SDK	SLIMBUS_SDK
SLIMBUS_SDL	SLIMBUS_SDL
SLIMBUS_SDM	SLIMBUS_SDM
SLIMBUS_SDN	SLIMBUS_SDN
SLIMBUS_SDO	SLIMBUS_SDO
SLIMBUS_SDP	SLIMBUS_SDP
SLIMBUS_SDQ	SLIMBUS_SDQ
SLIMBUS_SDR	SLIMBUS_SDR
SLIMBUS_SDS	SLIMBUS_SDS
SLIMBUS_SDT	SLIMBUS_SDT
SLIMBUS_SDU	SLIMBUS_SDU
SLIMBUS_SDV	SLIMBUS_SDV
SLIMBUS_SDW	SLIMBUS_SDW
SLIMBUS_SDX	SLIMBUS_SDX
SLIMBUS_SDY	SLIMBUS_SDY
SLIMBUS_SDZ	SLIMBUS_SDZ

SLIMBUS_SDA	SLIMBUS_SDB	SLIMBUS_SDC	SLIMBUS_SDD
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

MODEL OF MDM9215M (M9215M) - (M9215M) - (M9215M) - (M9215M)

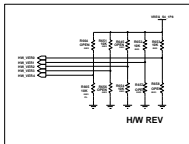
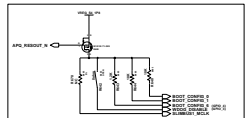
Part No.	
Rev.	
Date	
Author	J.EU.LTE
Checked	
Approved	

AP (APQ8064)



eMMC v4.5 16GB

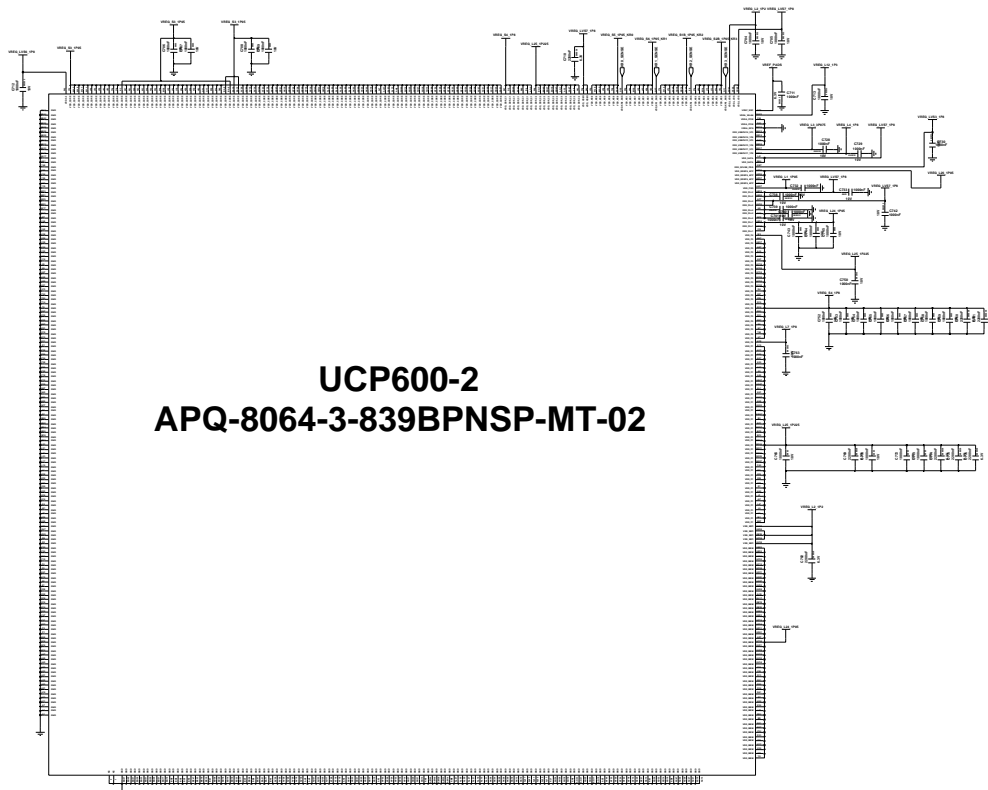
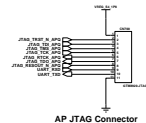
APQ_PS_HOLD High (JTAG)



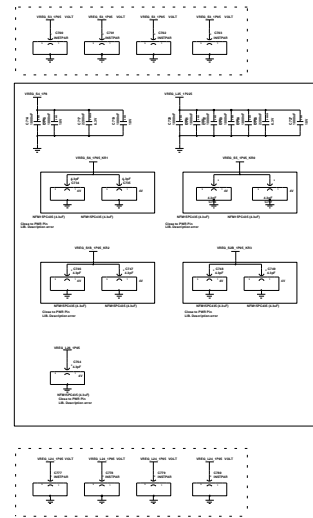
HW REV	U200	U201	U202	U203	U204	U205
REV0.0	1	2	3	4	5	6
REV0.1	1	2	3	4	5	6
REV0.2	1	2	3	4	5	6
REV0.3	1	2	3	4	5	6
REV0.4	1	2	3	4	5	6
REV0.5	1	2	3	4	5	6
REV0.6	1	2	3	4	5	6
REV0.7	1	2	3	4	5	6
REV0.8	1	2	3	4	5	6
REV0.9	1	2	3	4	5	6
REV1.0	1	2	3	4	5	6

(E)

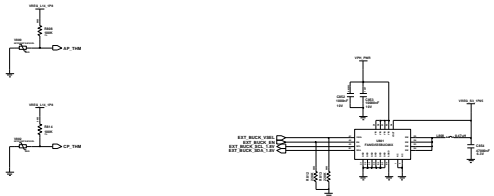
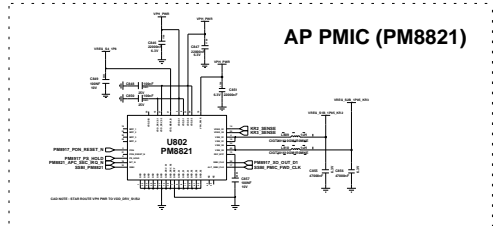
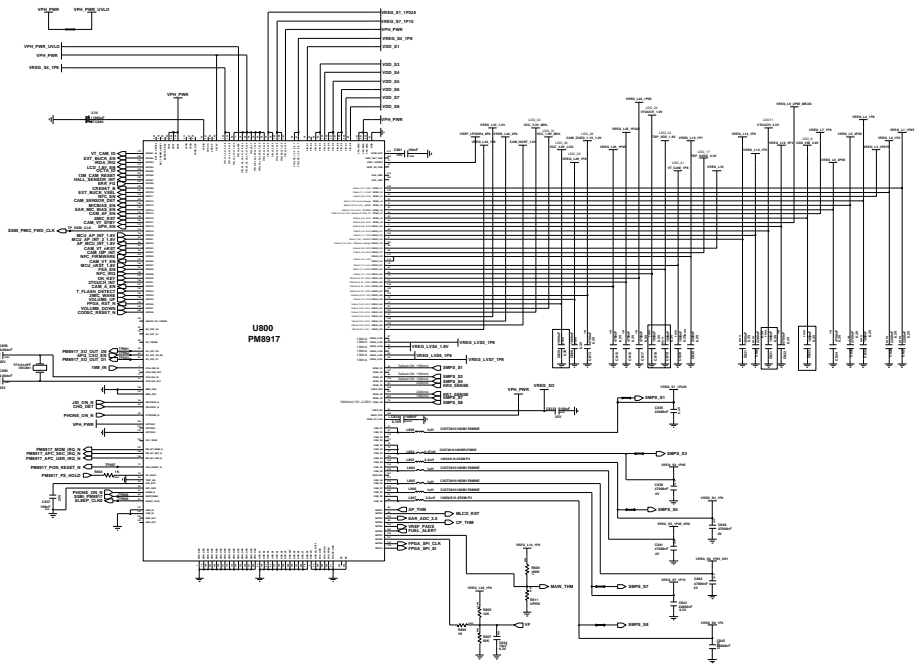
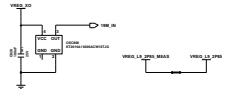
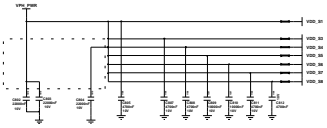
APQ8064 - POWER



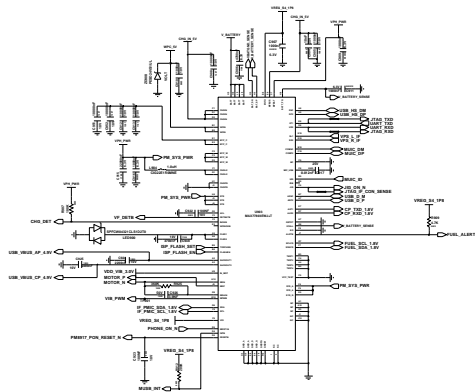
UCP600-2
APQ-8064-3-839BPNSP-MT-02



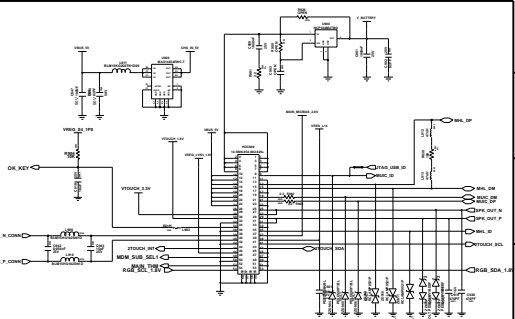
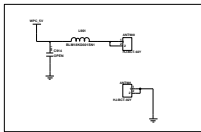
AP PMIC (PM8917)



IF PMIC PART

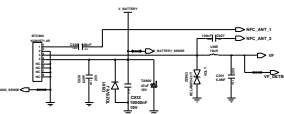


WIRELESS CHARGING



SUB FPCB IF CONN. (11PIN USB / Main ANT / SPK)

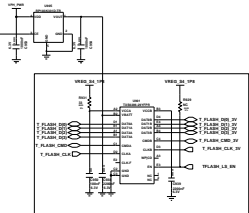
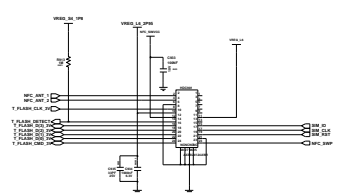
Battery Connector



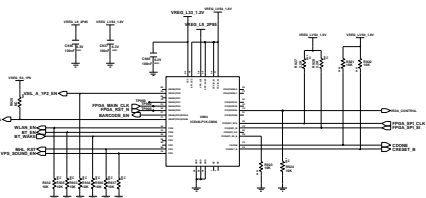
SIM / SD CARD

VREG1, L4 & VREG2, L7 provide both 1.8V & 2.8V depends on the SD card support mode

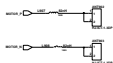
Location: PCB Design/EM/Prototyping/ Termination



IRLED

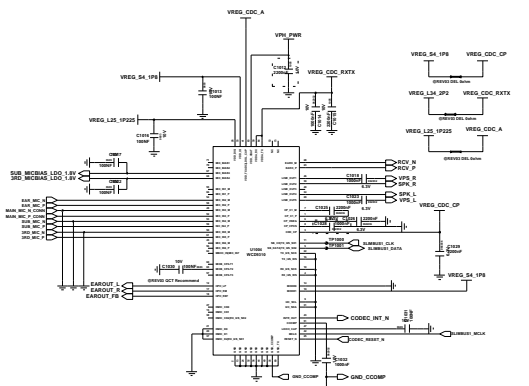


MOTOR

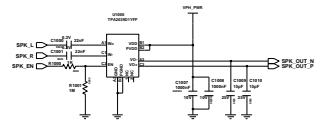


Rev:	1.00
Date:	2013/08/15
Author:	J. SUI LITE
Check:	
Appr:	

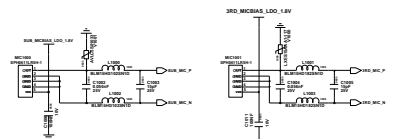
Audio PART



AUDIO CODEC

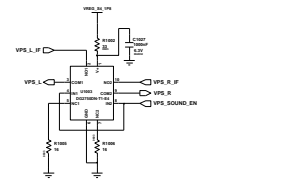


SPK AUDIO AMP

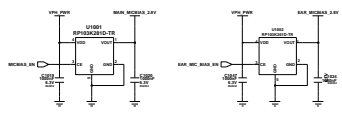


2nd MIC

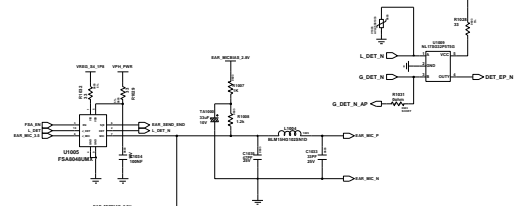
3rd MIC



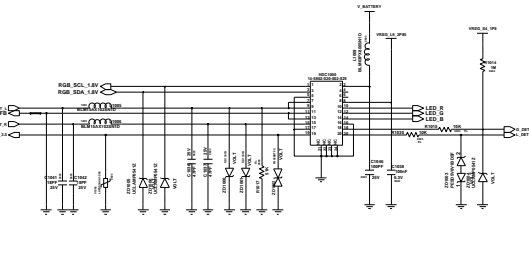
Audio Switch



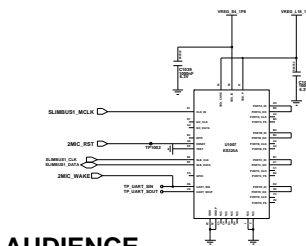
MIC Bias LDOs



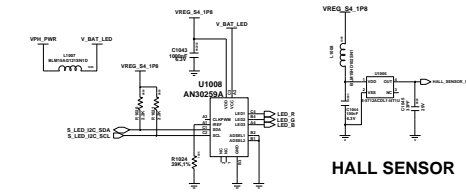
Ear MIC



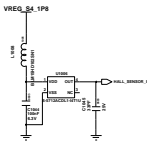
RCV + E/J + SVC LED



AUDIENCE



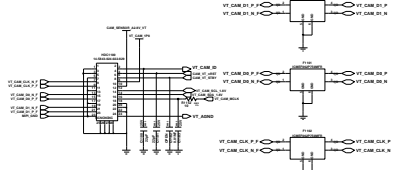
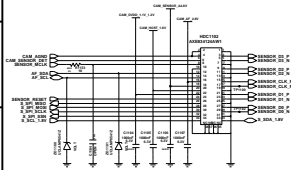
SVC LED DRIVER



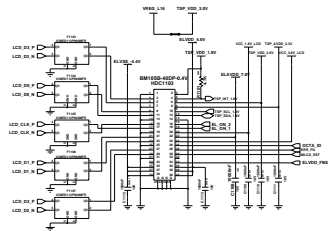
HALL SENSOR

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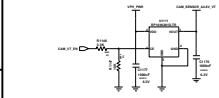
CAMERA PART



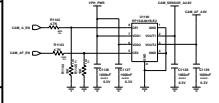
DISPLAY PART



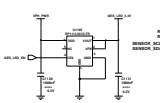
VT_CAMERA LDO



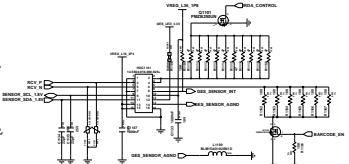
CAM DCDC/LDO



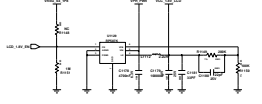
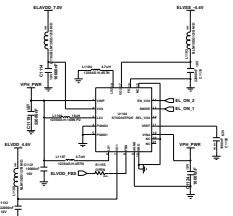
Gesture Sensor LDO



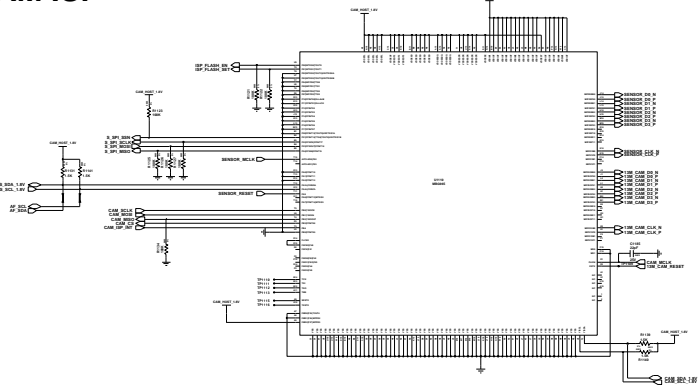
GESTURE + IRLED



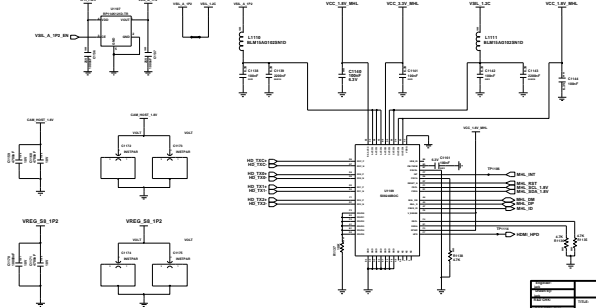
FHD OCTA DC-DC

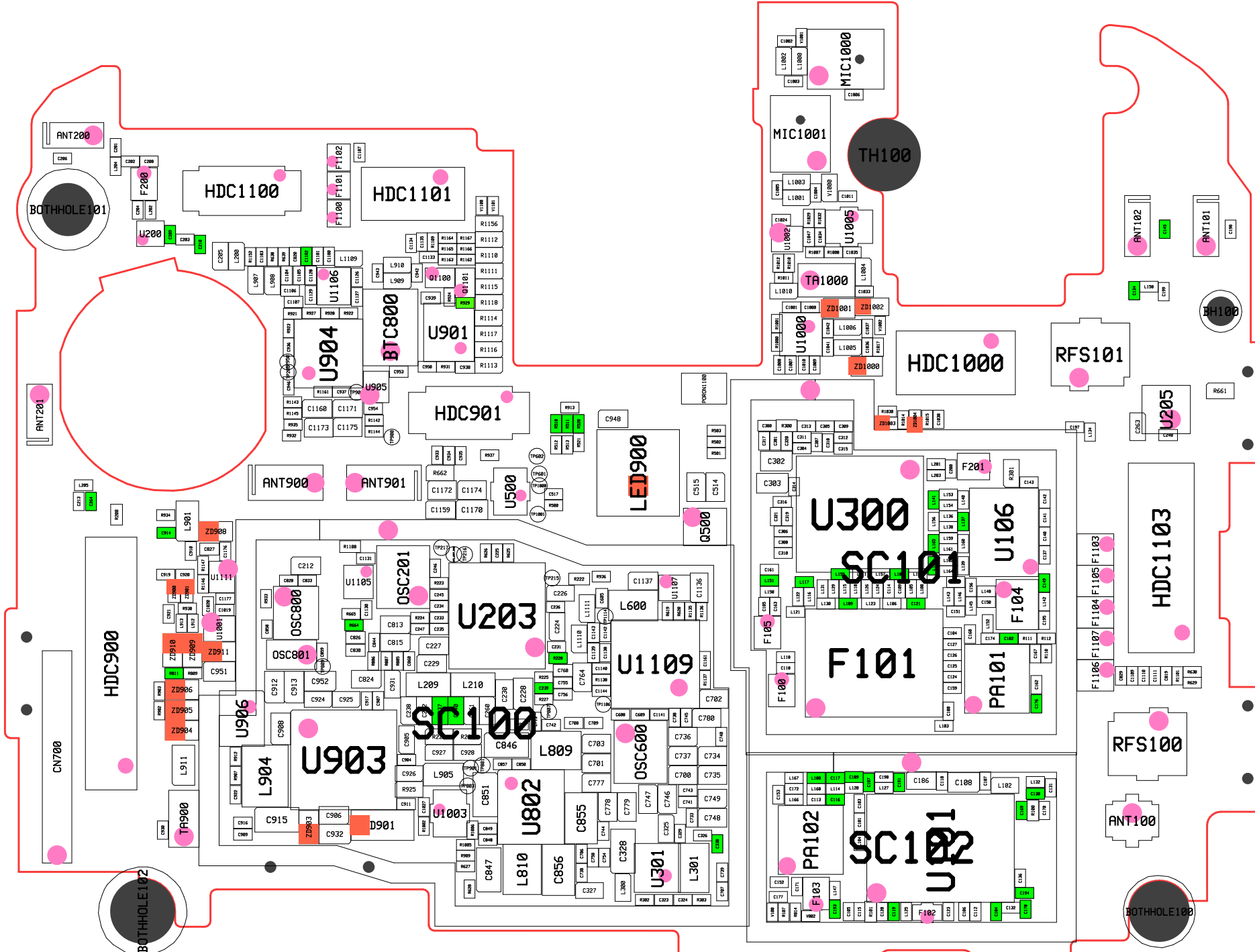


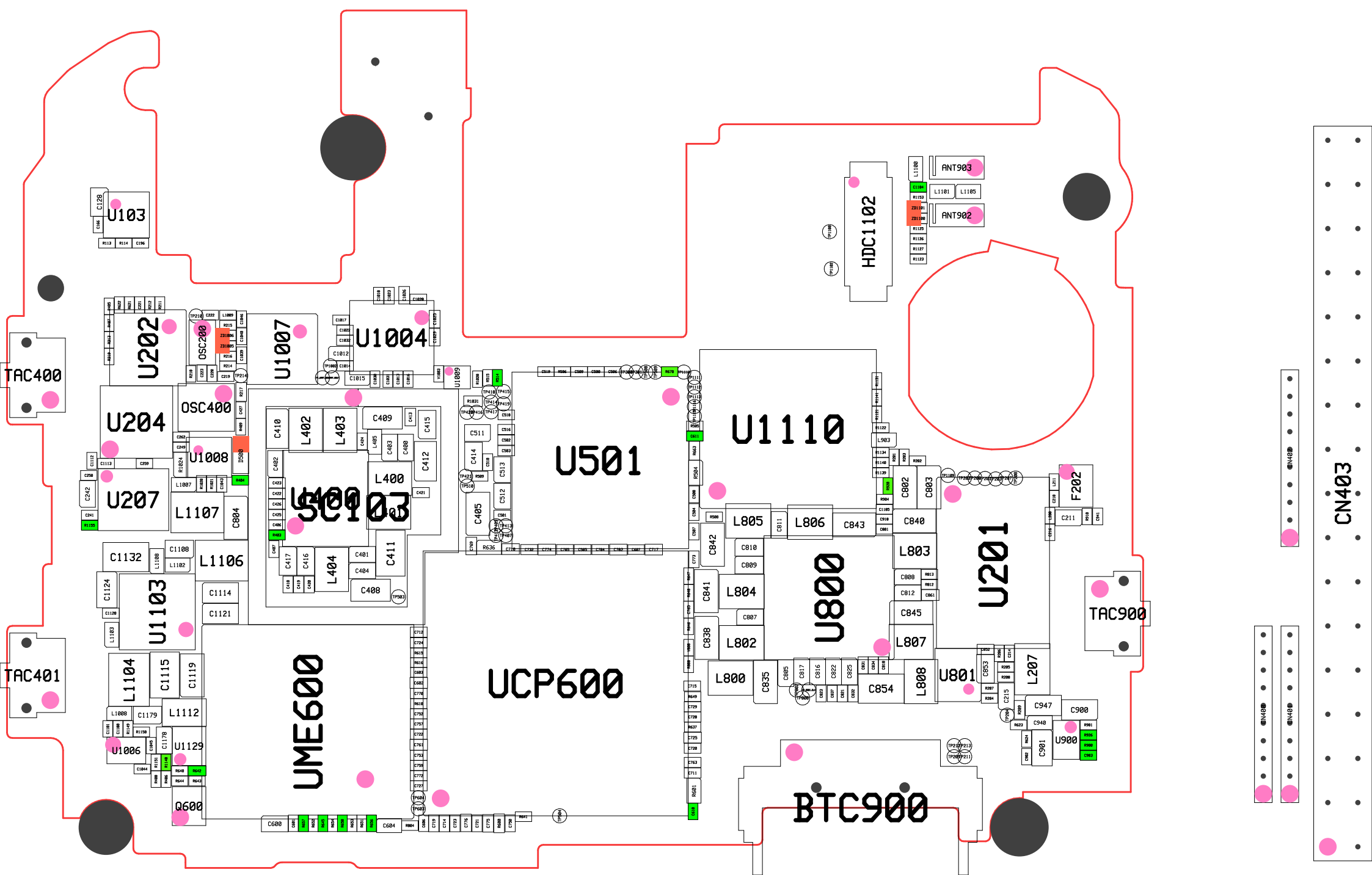
CAM ISP



MHL PART







U103

U202

U204

U207

U1103

U1104

U1006

U1129

OSC200

OSC400

L1107

L1106

L1108

L1112

Q600

U1007

L402

L403

L404

UME600

U1004

L400

L401

L404

UCP600

U501

C409

C410

C411

C412

C413

C414

C415

U1005

C405

C406

C407

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HDC1102

C842

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C847

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ANT903

ANT902

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TAC900

F202

C211

C212

C213

C214

C215

C216

U800

C838

C839

C840

C841

C842

C843

C844

U801

L207

C900

C901

C902

C903

C904

C905

CN402

CN403

CN404

CN405

CN406

CN407

CN408

CN409

CN410