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ROSELA LABS

# 2016 J7 EUR REV03_FN_DS

**2016.02.04**

**sheet01 : GSM / WCDMA / LTE RF (MAIN)**

**sheet02 : GSM / WCDMA / LTE RF (SUB)**

**sheet03 : GPS, BT/WIFI, NFC**

**sheet04 : CP/AP (ONE CHIP)**

**sheet05 : PMIC, eMMC, IF PMIC, SIM&SD SOCKET**

**sheet06 : AUDIO, SENSOR**

**sheet07 : CAMERA, OCTA, IF CON**

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| Engineer | |
|---|---|
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| R&D CHK: | TITLE: SIZE A1 |
| DOC CTRL CHK: | |
| MFG ENGR CHK: | |
| QA CHK: | Drawing Number / 3/8 |

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# TX/PRX

## TX MODULE (SKY77912)

## DUPLEX / SAW

## Extra LNA

## HB/MB MMMB PA

[ FDD : 1/2/3/4, 7 ]
[ TDD : 38/40/41]

## LB MMMB PA

[ FDD : 5/8/20/17/28 ]

## APT MODULATOR

B1 DUPLEX
B2 DUPLEX
B3 DUPLEX
B4 DUPLEX
B5 DUPLEX
B8 DUPLEX
B20/B17 DUPLEX
B7 DUPLEX
B28 DUPLEX
B40 TRX SAW
B38/41_full TRX SAW
B7 LNA
B1 LNA

| | TX_SEL |
|---|---|
| B28A | L |
| B28B | H |

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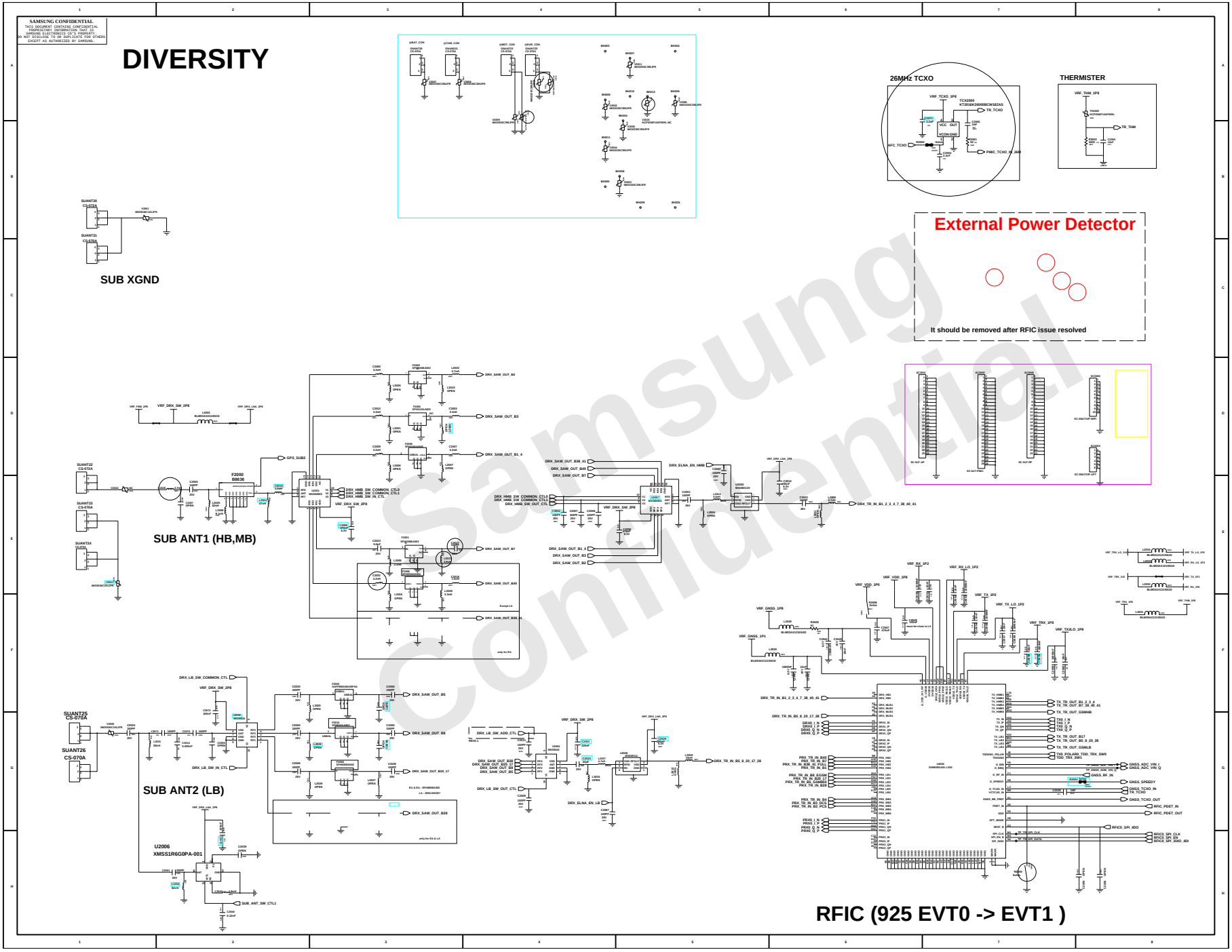
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DIVERSITY
26MHz TCXO
THERMISTER
External Power Detector
It should be removed after RFIC issue resolved
SUB XGND
SUB ANT1 (HB,MB)
SUB ANT2 (LB)
RFIC (925 EVT0 -> EVT1 )
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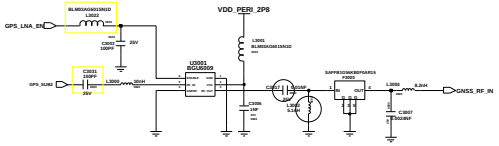
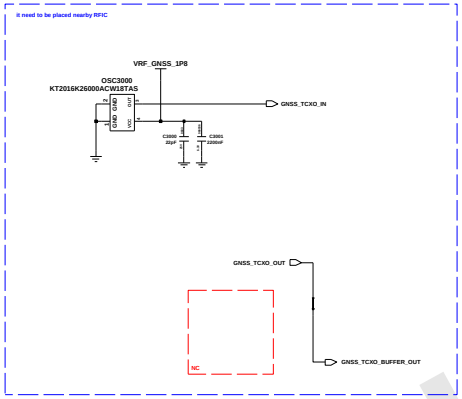
# GPS

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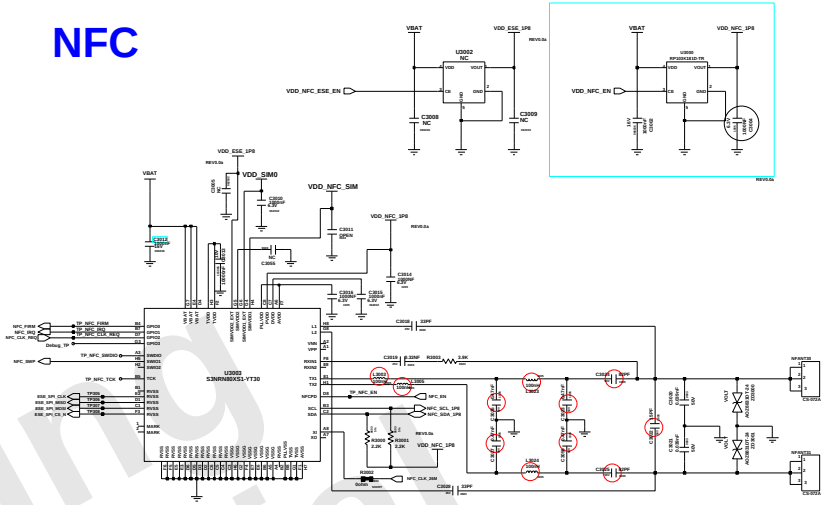


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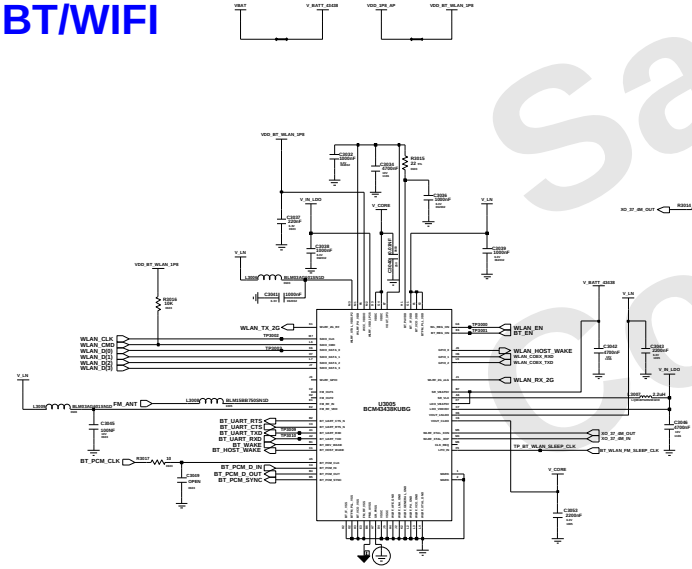


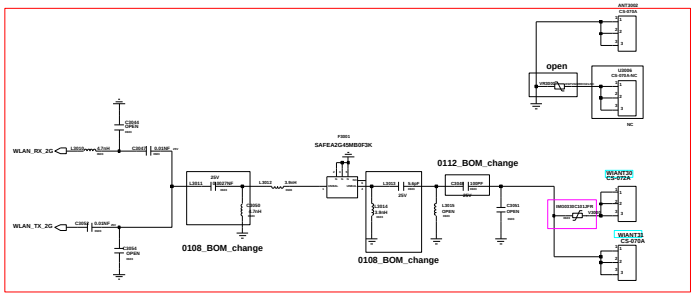


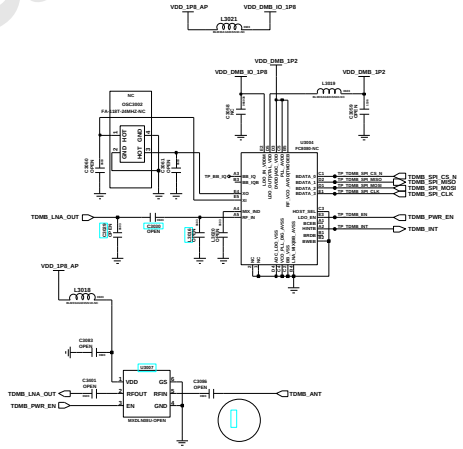


## DMB(OPTION:NC)

| | |
|---|---|
| | GPS / NFC / BT / WIFI |

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# UCP400-1
# S5E7870XH0-LA30

# UCP400-2
# S5E7870XH0-LA30

## VER. CHECK

| REV | HW_VER0 | HW_VER1 | HW_VER2 | HW_VER3 |
|---|---|---|---|---|
| Bup 0.0 | 0 | 0 | 0 | 0 |
| Bup 0.1 | 0 | 0 | 0 | 1 |
| J7 0.0 | 0 | 0 | 1 | 0 |
| J7 0.0A | 0 | 0 | 1 | 1 |
| J7 0.1 | 0 | 1 | 0 | 0 |
| J7 0.2 | 0 | 1 | 0 | 1 |

## I2C PULL UP

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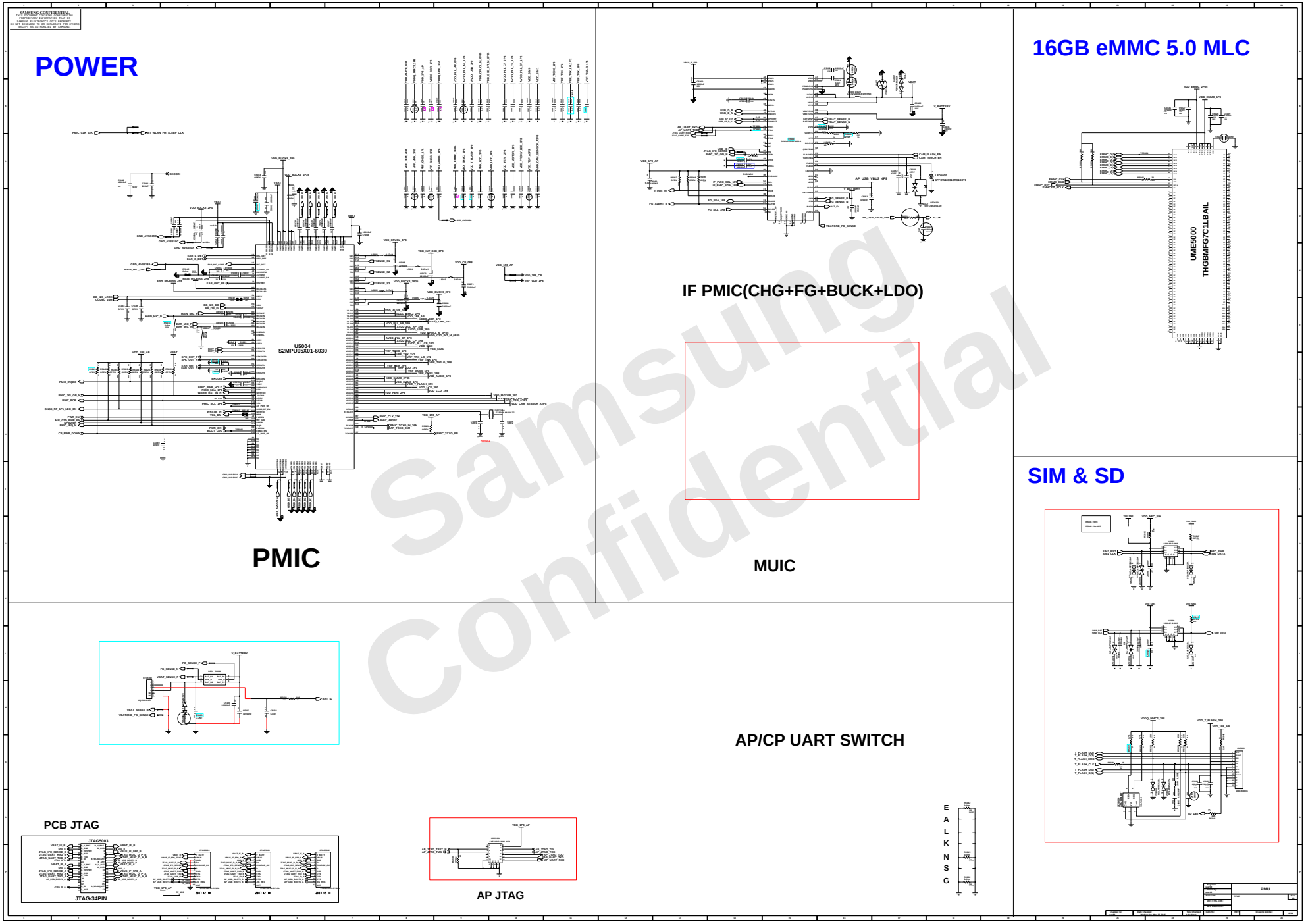
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POWER
PMIC
IF PMIC(CHG+FG+BUCK+LDO)
MUIC
16GB eMMC 5.0 MLC
UME5000
THGBMFG7C1LBAIL
SIM & SD
AP/CP UART SWITCH
PCB JTAG
JTAG-34PIN
AP JTAG
E
A
L
K
N
S
G
PMU
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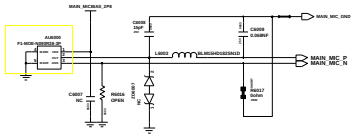
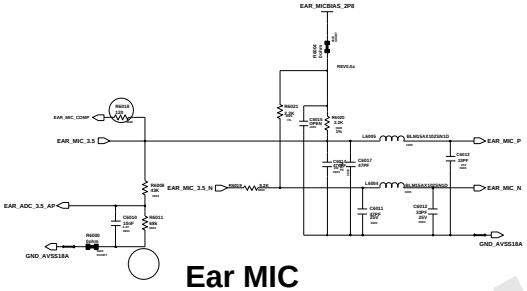
# AUDIO



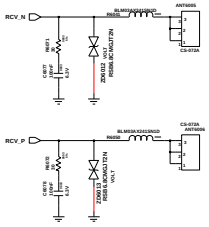
SUB_MIC



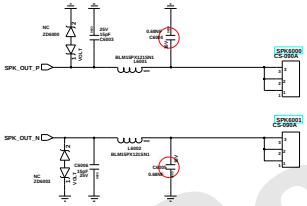
MAIN MIC



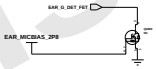
Ear MIC



RCV Contact

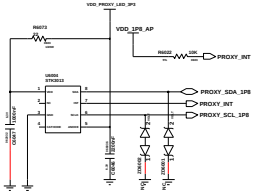


SPK Contact

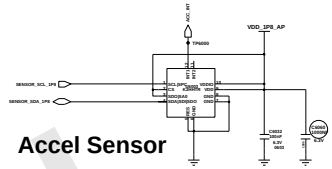


E/J Detect

# SENSOR

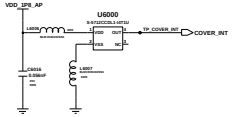


Proxy Sensor



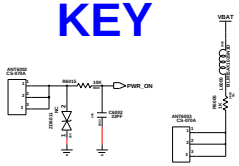
Accel Sensor

Magnetic Sensor

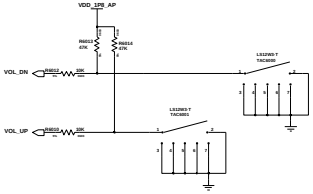


View Cover Detect

# KEY

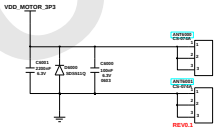


Power Key

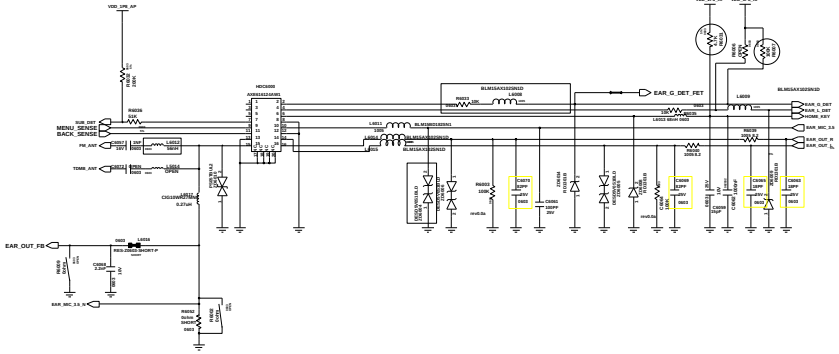


Volmue Key

# MOTOR



Motor Contact



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user99|swcad99|10.253.21.175|20160229-172202

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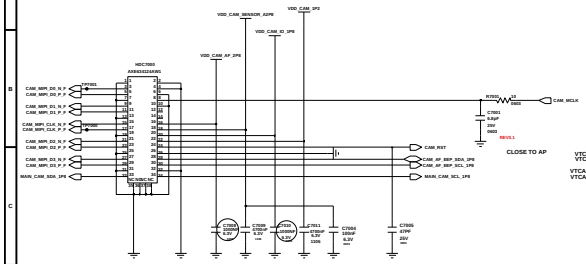
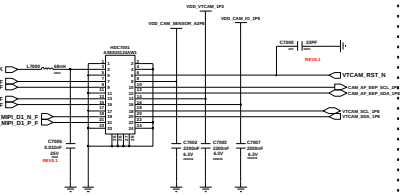
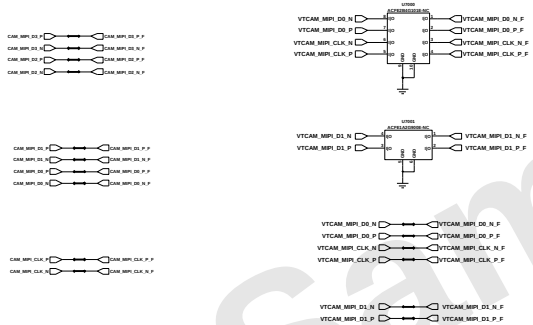
# CAMERA



13M CAMERA CON



VT_CAMERA (5M)

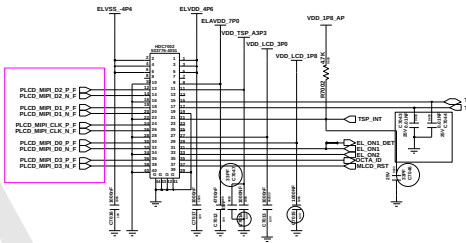


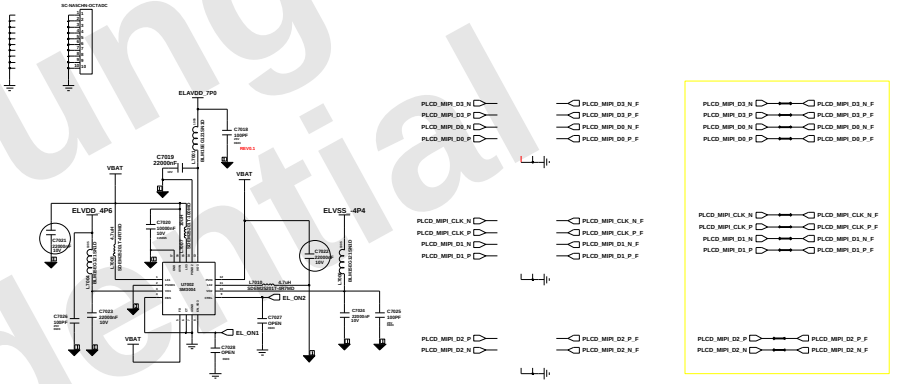
REV0.0 : NC

13M CAMERA FILTER

# DISPLAY

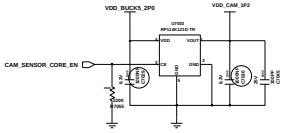
## OCTA CONNECTOR

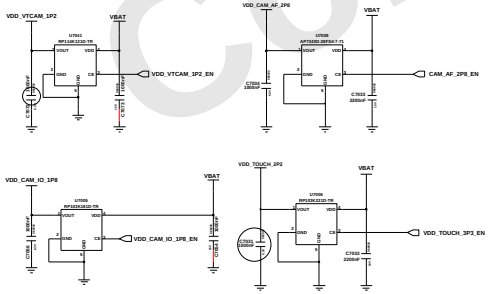


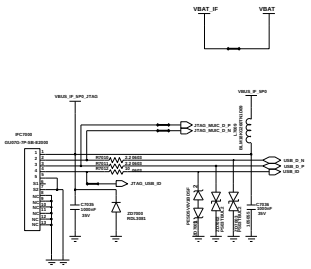


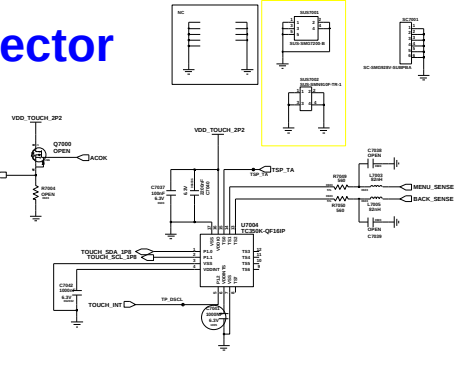
HD OCTA DC-DC

# IF SUB PBA Connector









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CAM / DISPLAY