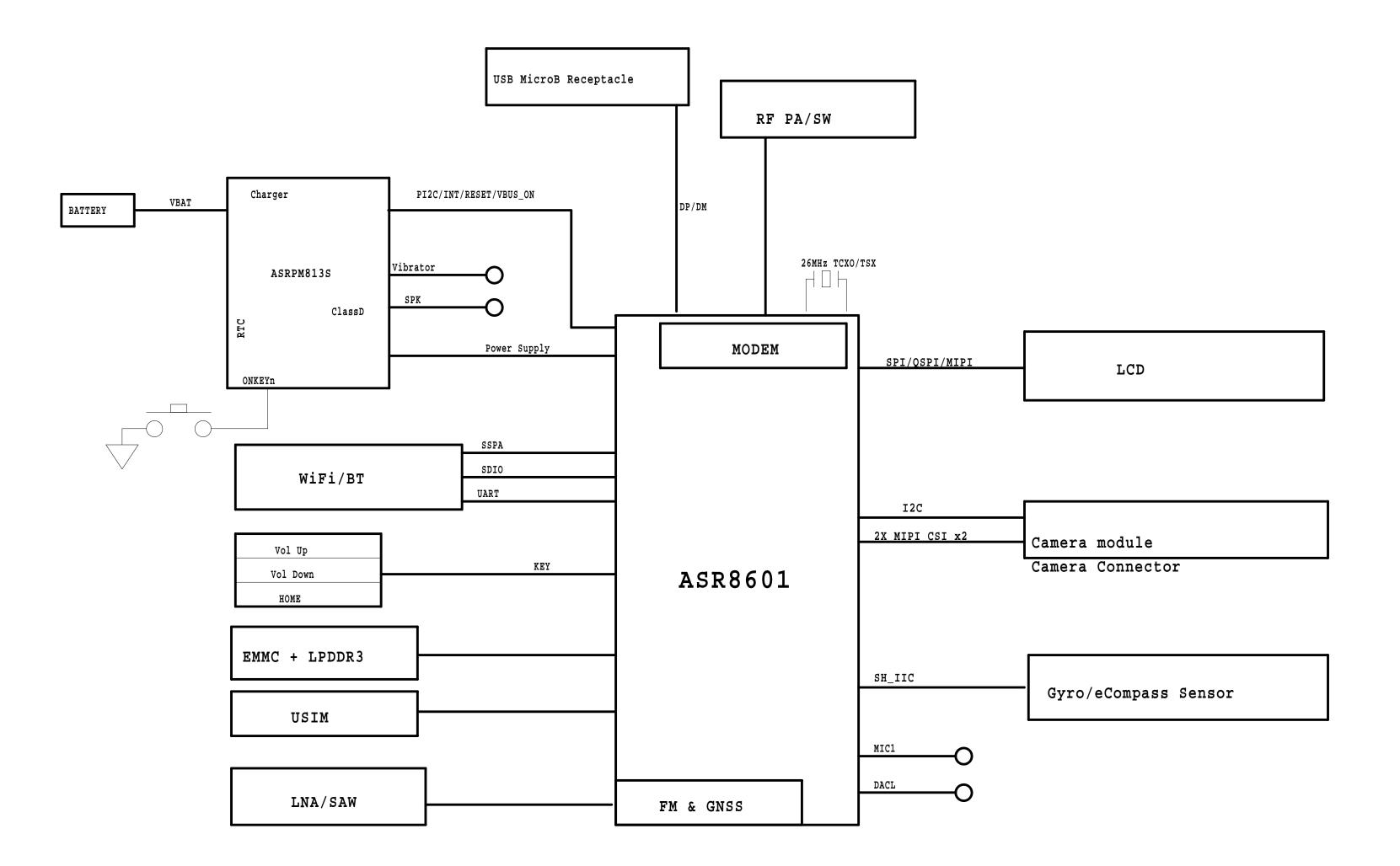
# ASR8601\_PM813S\_EMCP\_WATCH\_REF\_V1R0

# REVISION\_HISTORY

ASR8601\_PM813S\_EMCP\_WATCH\_REF\_V1R0\_20230710

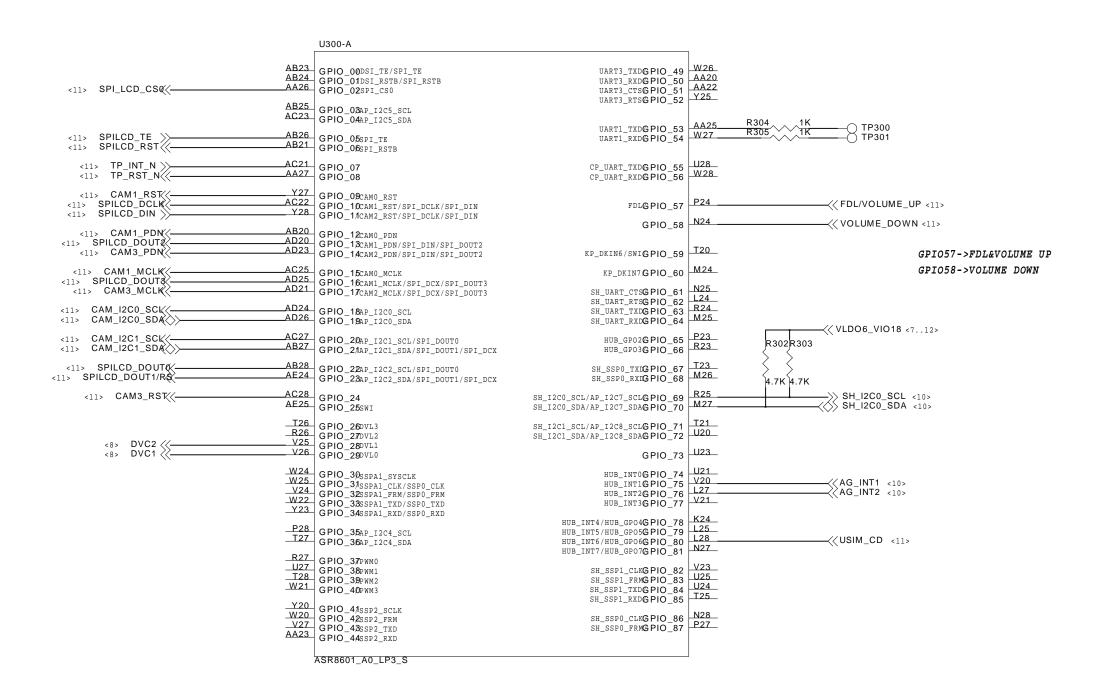
## CONTENTS

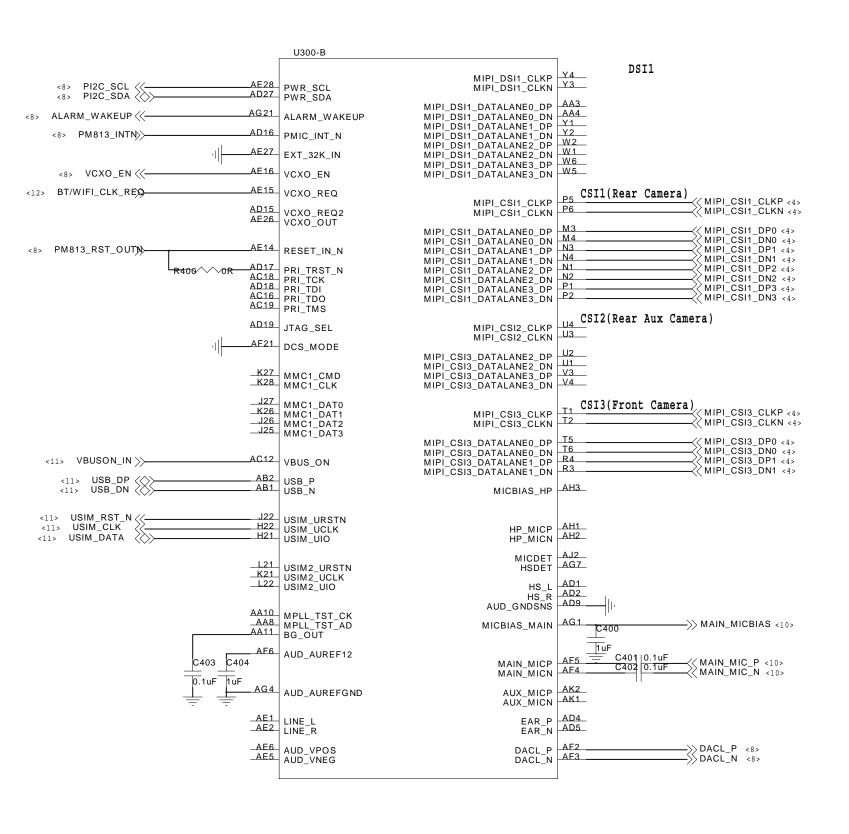
- 01 REVISION\_HISTORY
- 02 BLOCK\_DIAGRAM
- 03 SOC\_GPIO
- 04 SOC\_MSIC
- 05 SOC\_WCN
- 06 SOC\_eMMC\_LPDDR
- 07 SOC\_POWER\_GND
- 08 PMIC\_PM813S
- 09 EMMC\_LPDDR3
- 10 AUDIO\_SENSOR
- 11 USIM\_USB\_LCD\_CAM
- 12 WCN\_ASR5803
- 13 SOC\_RF
- 14 PA/ASM
- 15 PRI FILTER

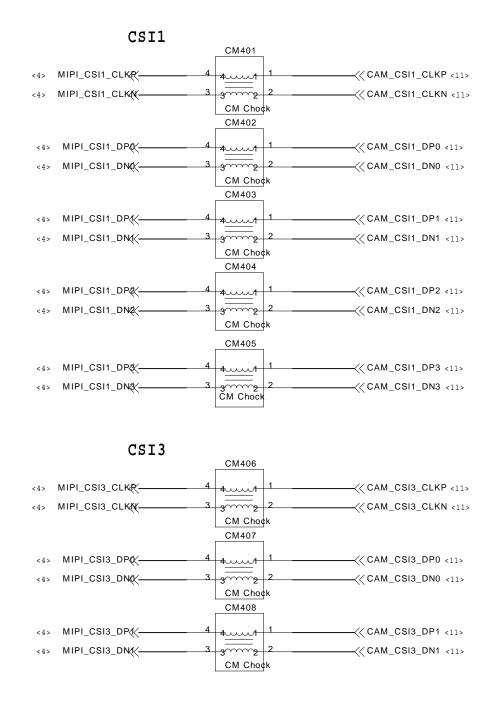


CAM0->CSI1->Rear\_CAM
CAM1->CSI2->AUX\_CAM
CAM2->CSI3->Front\_CAM

AP\_I2CO->Rear\_CAM
AP\_I2C1->AUX\_CAM+Front\_CAM
AP\_I2C2->FLASH





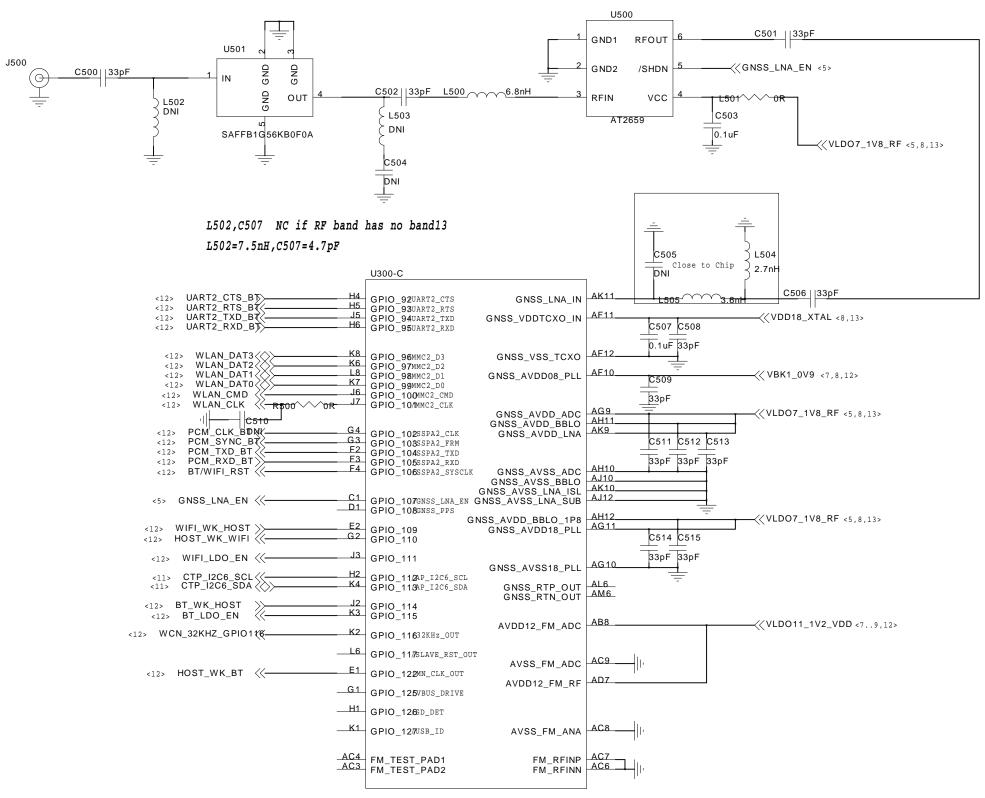


CSI3 WORK MODE:

1,CSI3 supports both 2 datalanes and 4 datalanes.

2,When 2 datalanes are supported,
datalane 2 and 3 can be configured for CSI2\_CLK
to form a new interface CSI2.

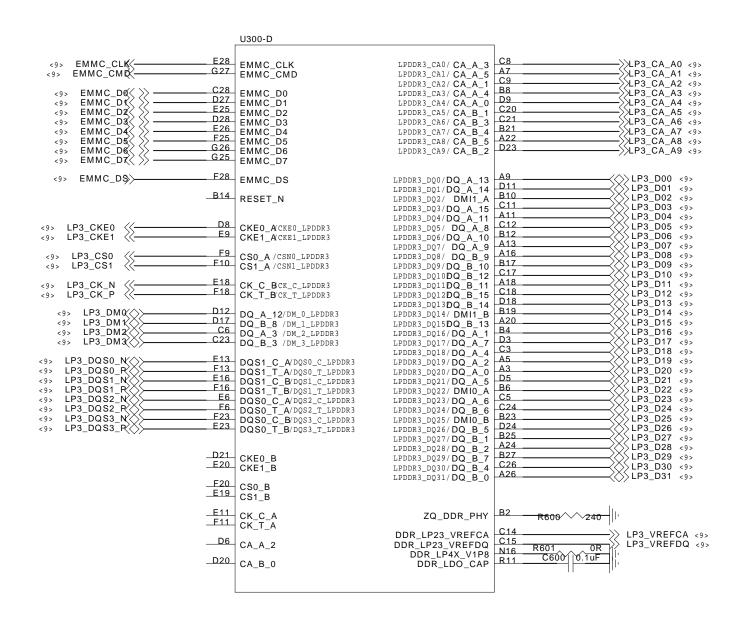
ASF	R Microelectronics (Shanghai)	Co., Ltd				
Title AS	GR8601_PM813S_EMCP_WATC	H_REF				
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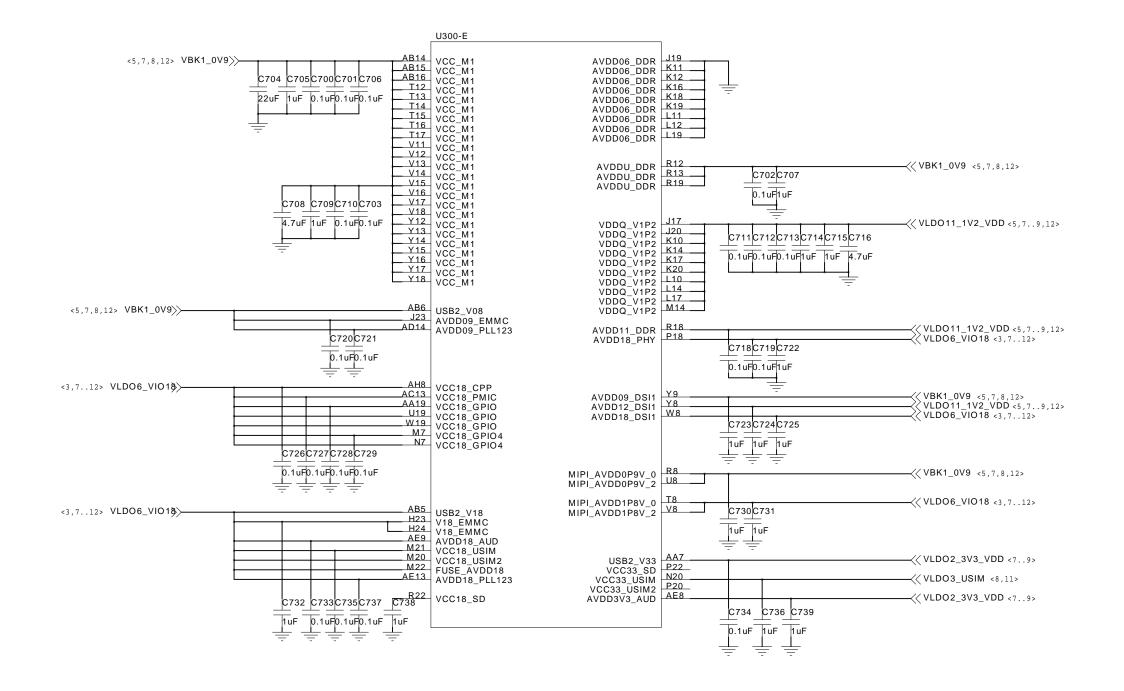


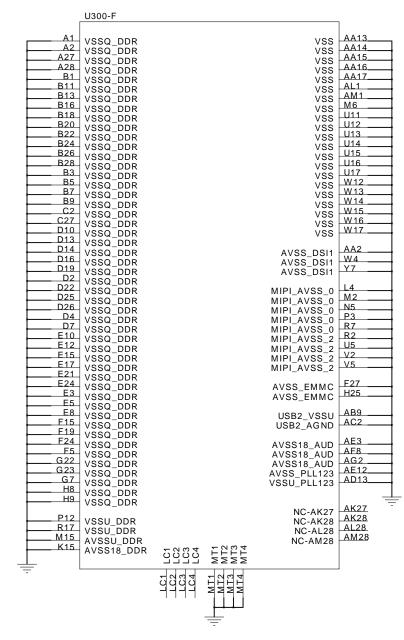
When FM is not needed, FM\_RFINP/FM\_RFINN are recommended short to GND.

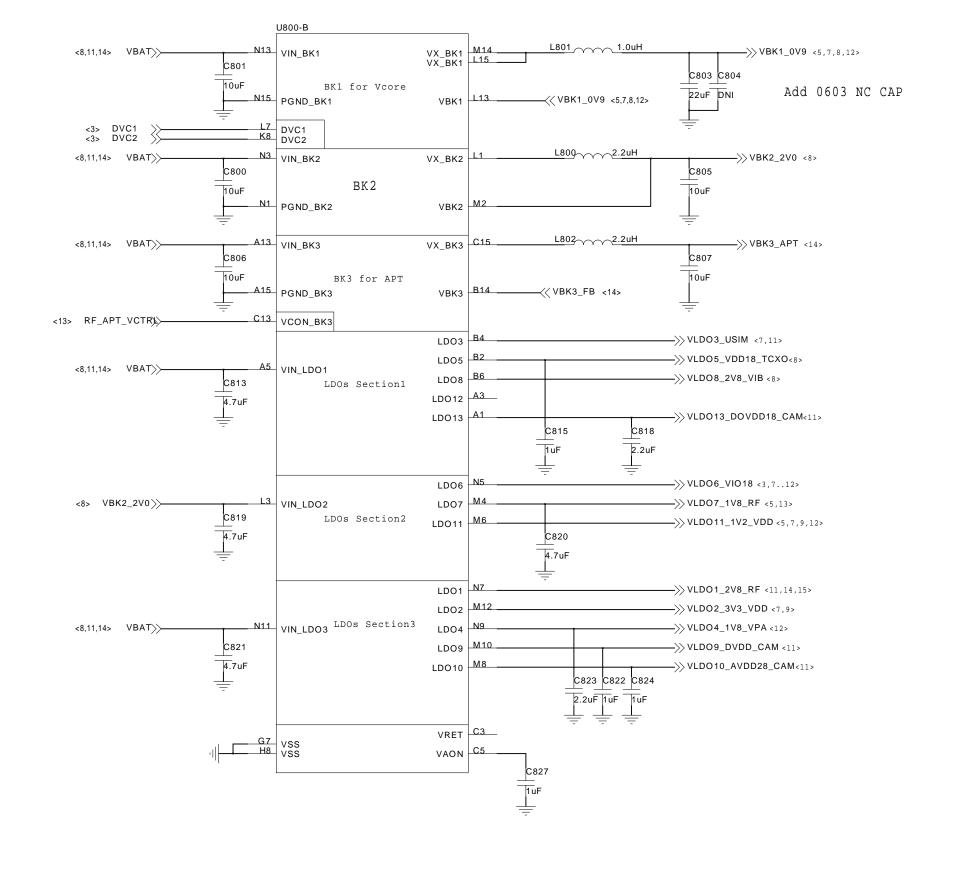
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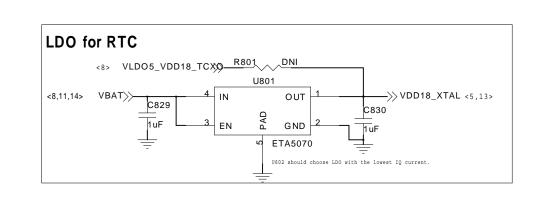
#### SOC\_eMMC\_LPDDR

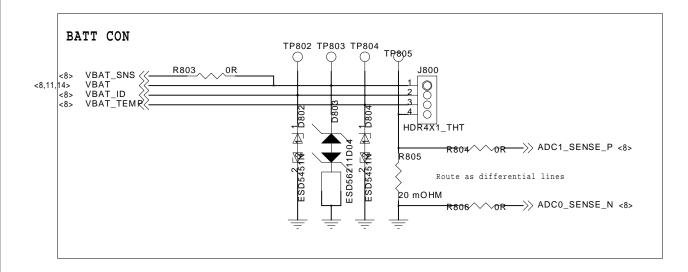


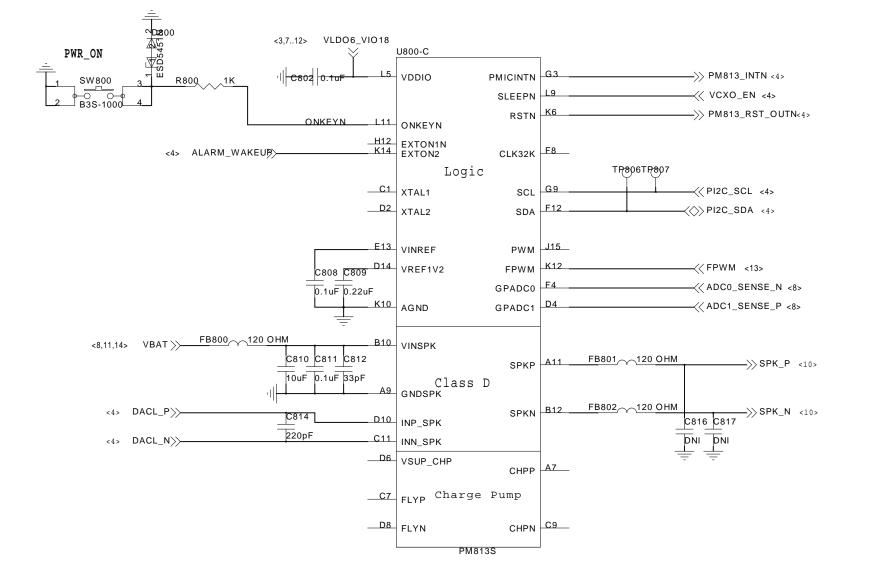


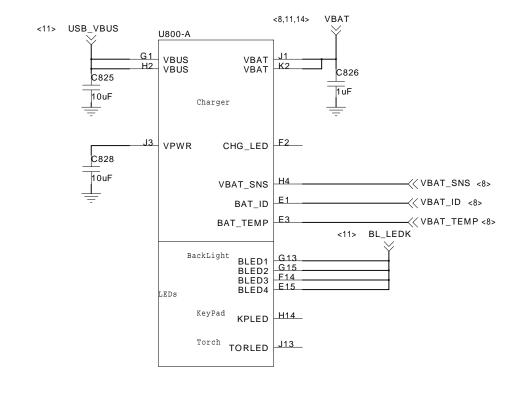


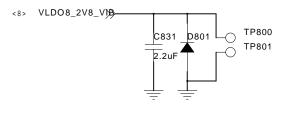






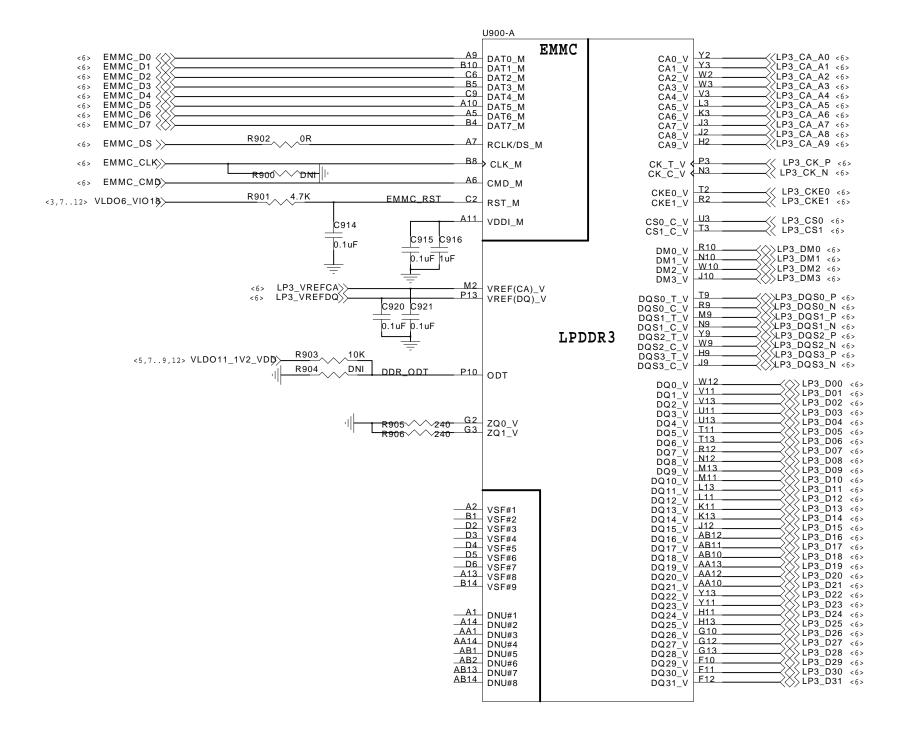


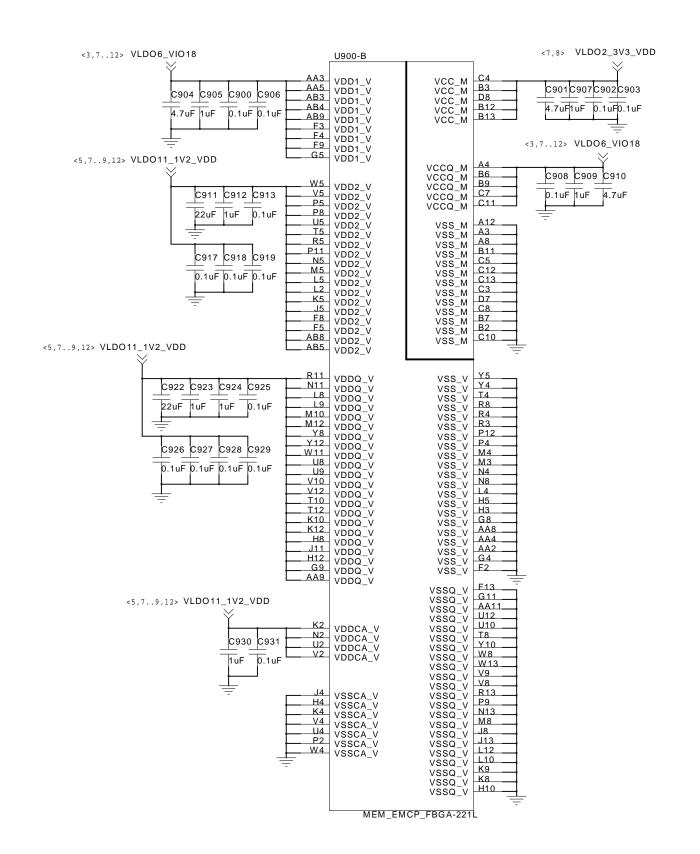




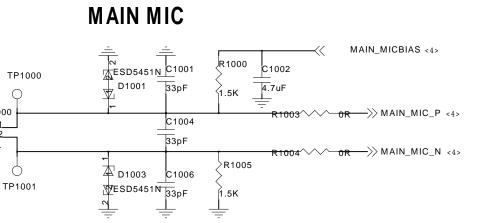
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### eMMC+LPDDR3

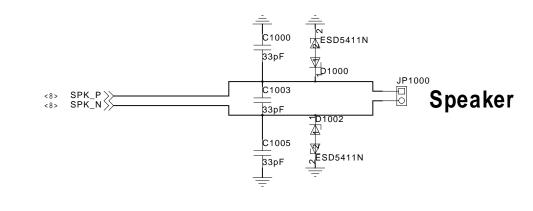




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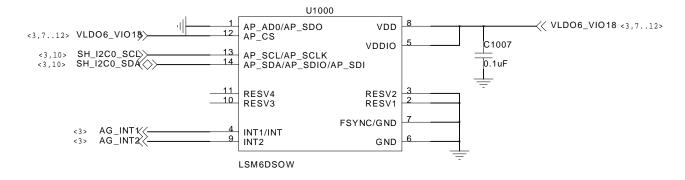
1.5K



### A+G

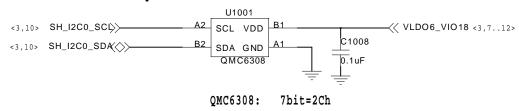
MIC1000 + 0 1 2 MIC\_ELECTRET

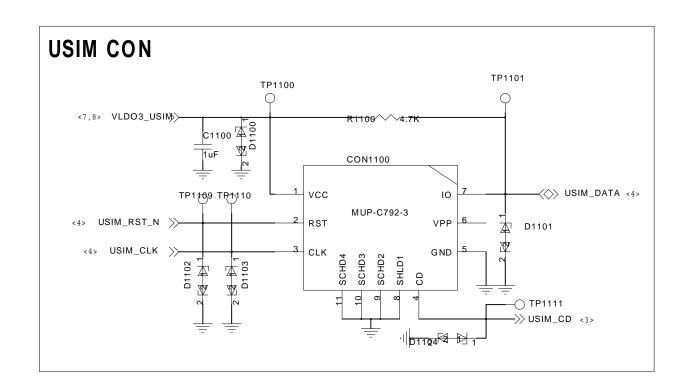
TP1001

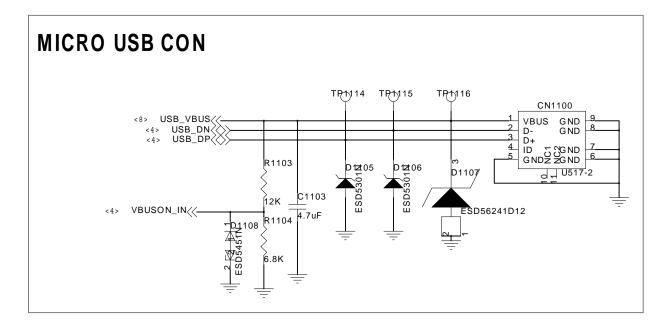


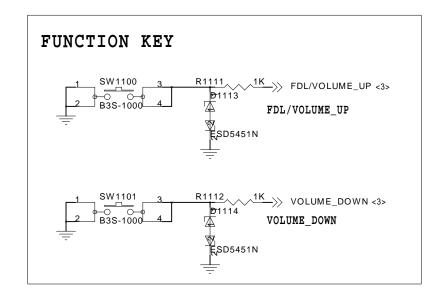
LSM6DSOW PIN2PIN ICM-42607-P ICM-42607-P: SA0=0 7bit=68h SA0=0 7bit=35h LSM6DSOW:

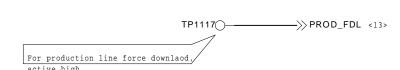
#### Compass

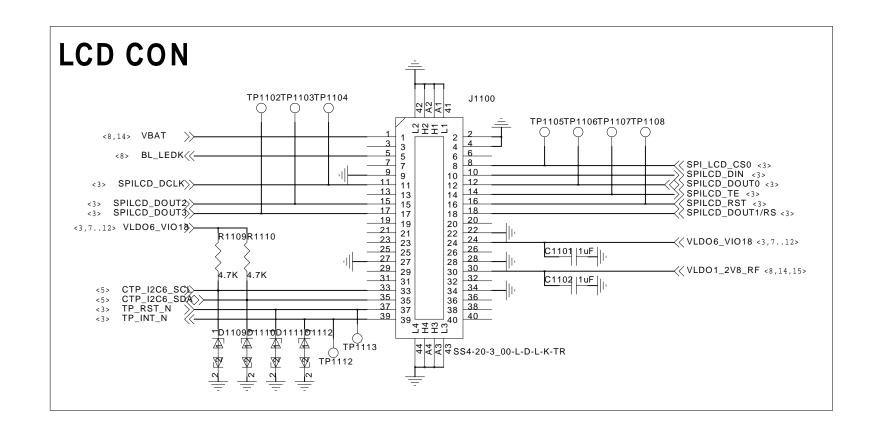


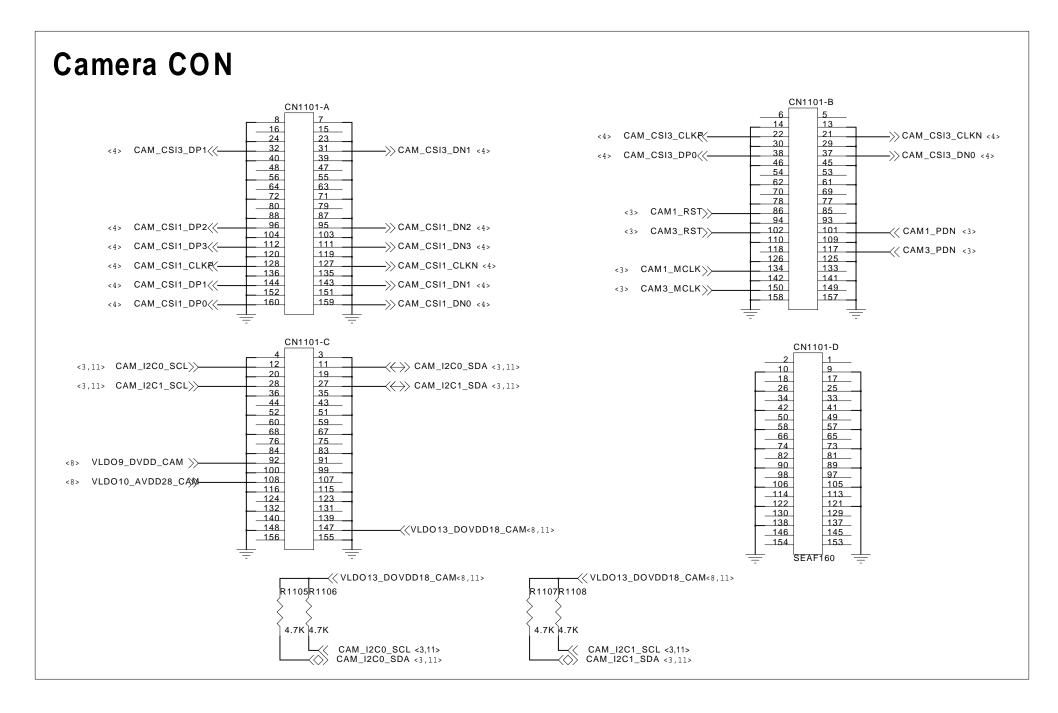




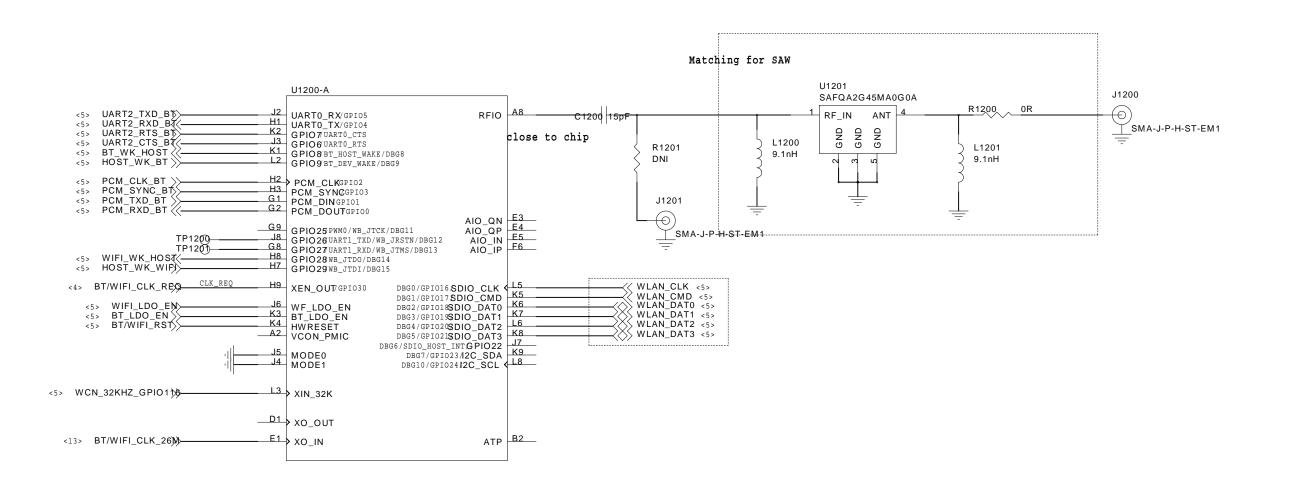


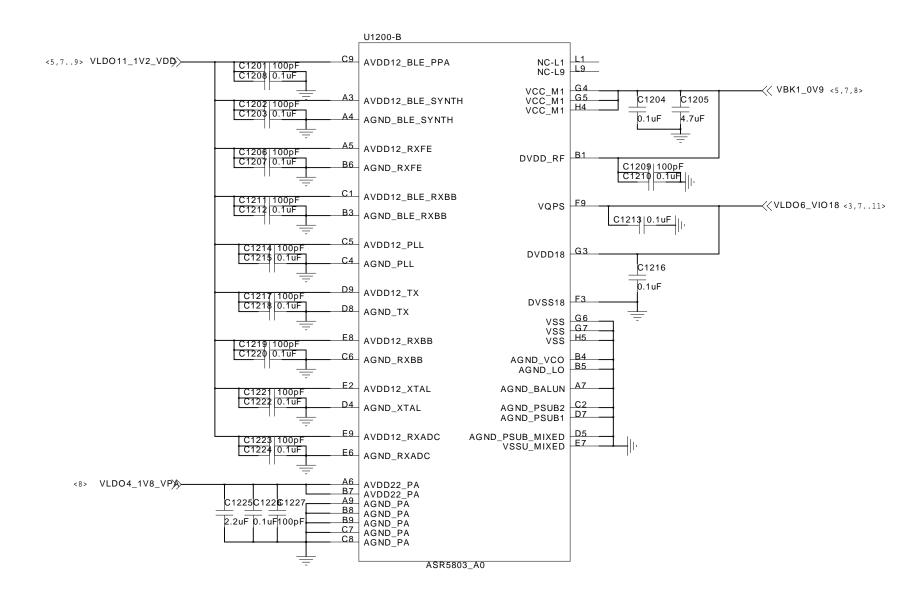






ASF	R Microelectronics (Shanghai)	Co., Ltd				
Title A	SR8601_PM813S_EMCP_WATC	H_REF				
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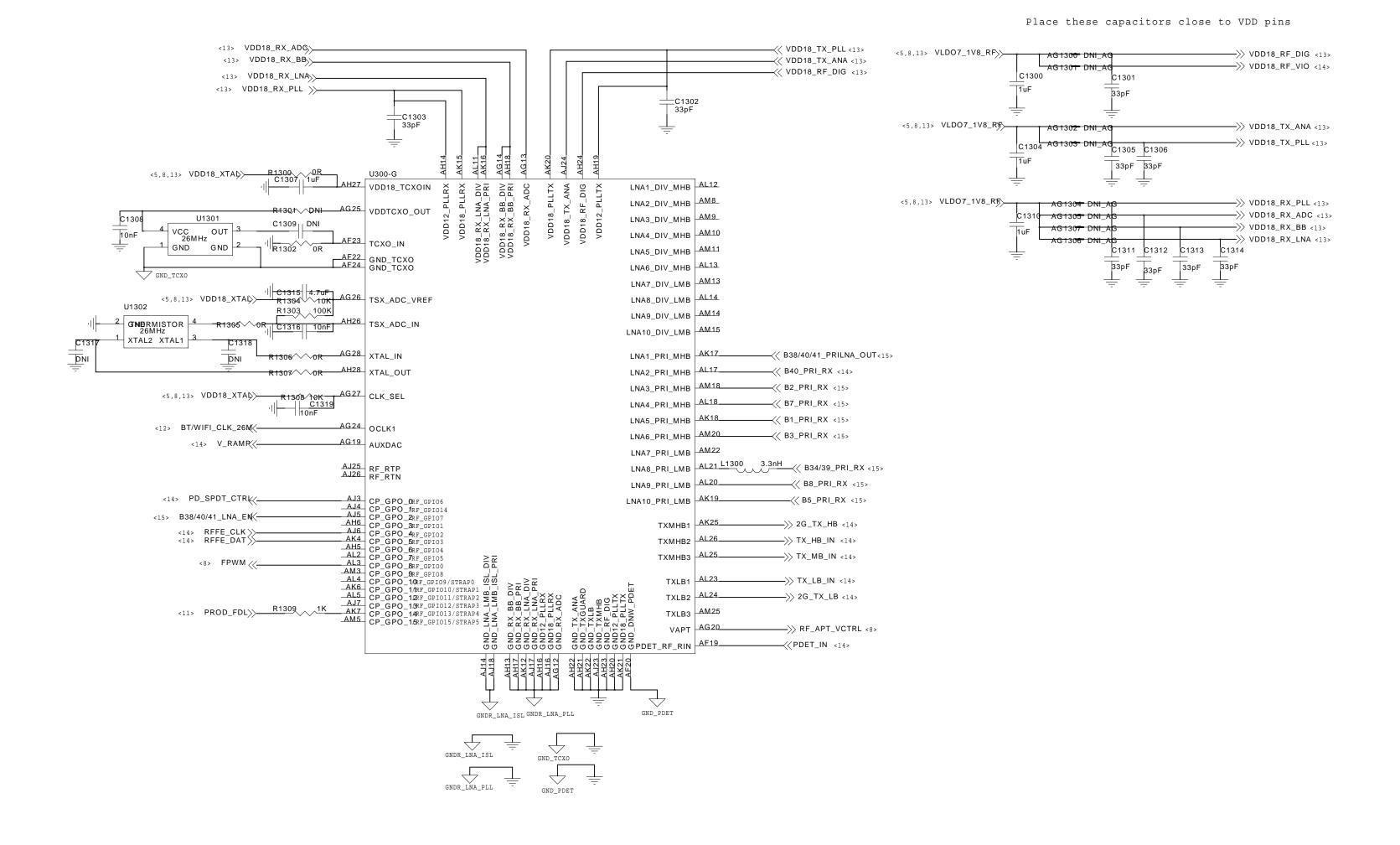
Supported bands

LTE B1,2,3,5,7,8,34,39,38,40,41(194MHz)

GSM 2,3,5,8

WCDMA 1,2,5,8

CLK\_SEL PIN:
Pulling HIGH with 10k resistor is for TSX scheme.



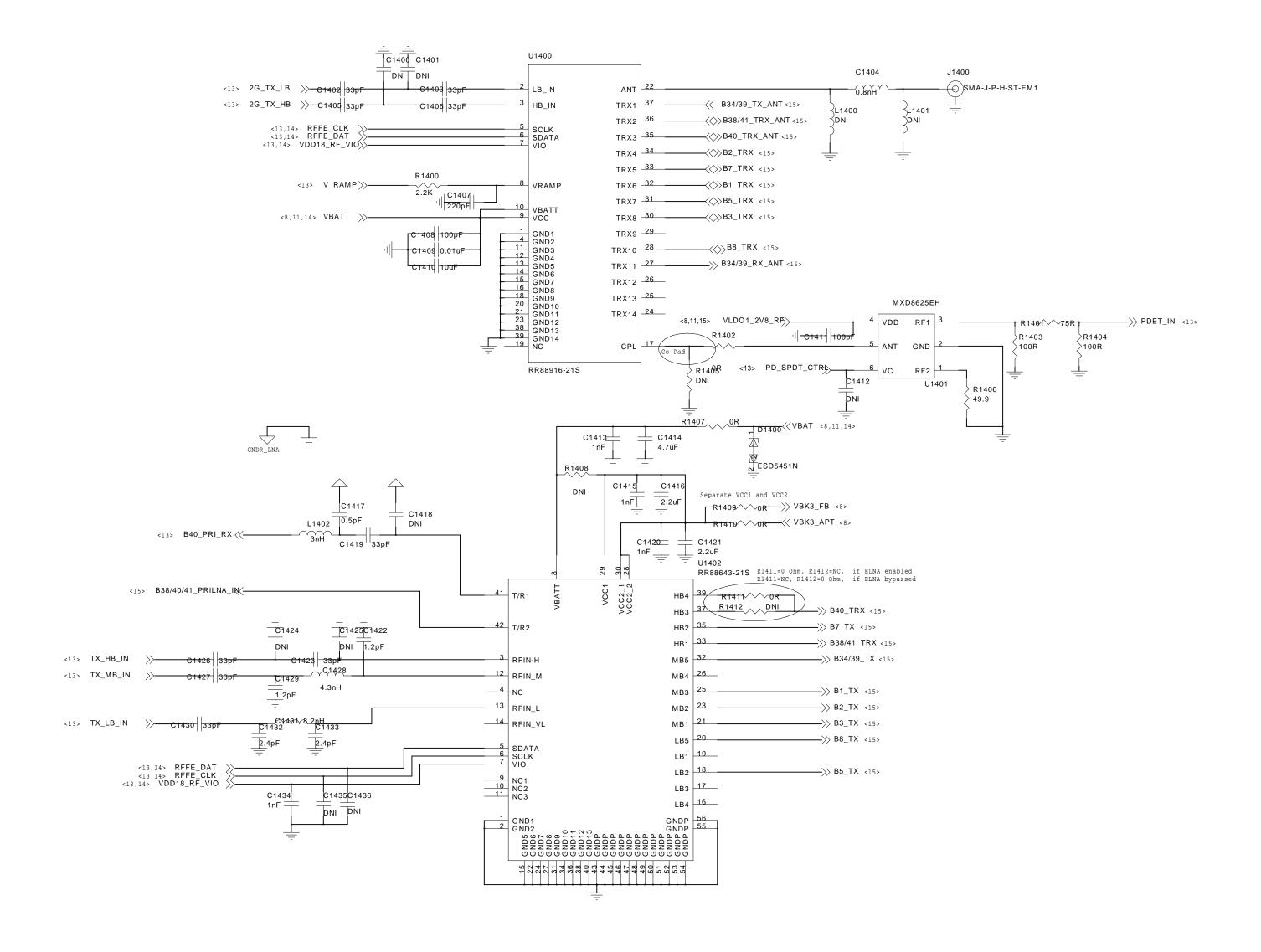
ASR Microelectronics (Shanghai) Co., Ltd

Title

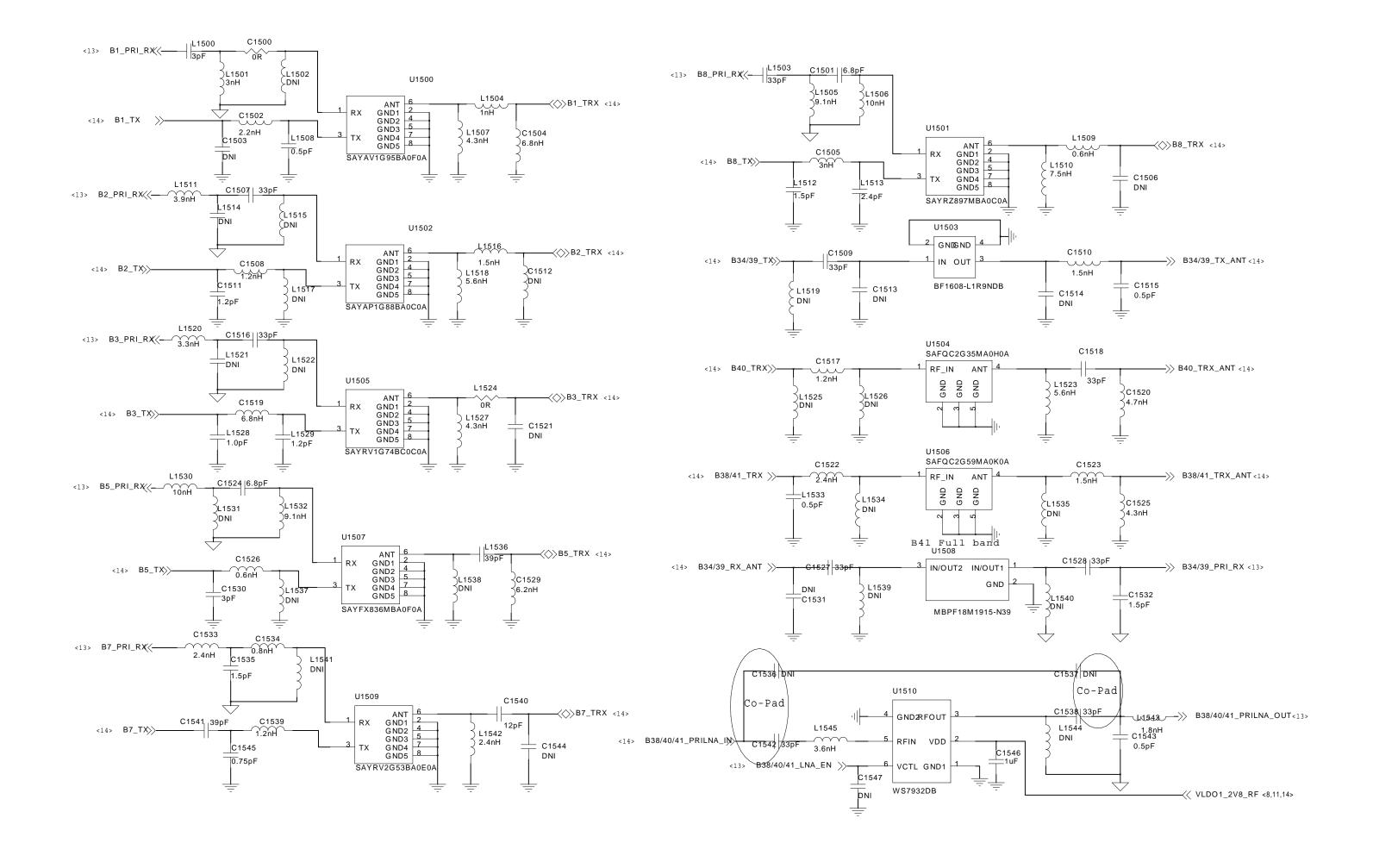
ASR8601\_PM813S\_EMCP\_WATCH\_REF

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A2 SOC\_RF

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ASI	R Microelectronics (Shanghai)	Co., Ltd				
Title <i>F</i>	SR8601 PM813S EMCP WAT	CH REF				
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