

Schematic design notice of "12_BB_1" page.

Note 3-1: The de-coupling cap. for REFP (AF18 ball) has to be placed as close to BB as possible.

Note 3-2: To short a 1uF capacitor in the AUXIN ADC input to prevent noise coupling. It should be placed as close to BB as possible. Connect the unused ADC input to GND.

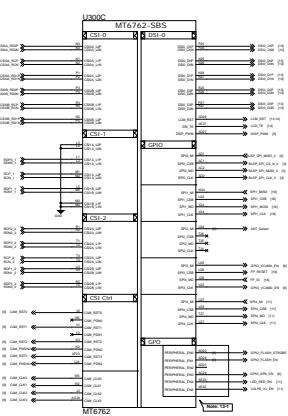
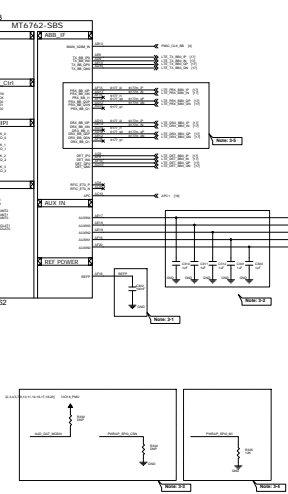
Note 3-3: PWRAP, SPK, CSD, and AUDIO, DAY, MISC, and MISC pin to select which interface will be the JTAG pin out.

USE CASE	PWRAP	SPK	CSD	AUDIO	DAY	MISC	MISC
1	NC	NC	NC	NC	NC	NC	NC
2	NC	NC	NC	NC	NC	NC	NC
3	NC	NC	NC	NC	NC	NC	NC
4	NC	NC	NC	NC	NC	NC	NC
5	NC	NC	NC	NC	NC	NC	NC
6	NC	NC	NC	NC	NC	NC	NC
7	NC	NC	NC	NC	NC	NC	NC
8	NC	NC	NC	NC	NC	NC	NC
9	NC	NC	NC	NC	NC	NC	NC
10	NC	NC	NC	NC	NC	NC	NC
11	NC	NC	NC	NC	NC	NC	NC
12	NC	NC	NC	NC	NC	NC	NC
13	NC	NC	NC	NC	NC	NC	NC
14	NC	NC	NC	NC	NC	NC	NC
15	NC	NC	NC	NC	NC	NC	NC
16	NC	NC	NC	NC	NC	NC	NC
17	NC	NC	NC	NC	NC	NC	NC
18	NC	NC	NC	NC	NC	NC	NC
19	NC	NC	NC	NC	NC	NC	NC
20	NC	NC	NC	NC	NC	NC	NC
21	NC	NC	NC	NC	NC	NC	NC
22	NC	NC	NC	NC	NC	NC	NC
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26	NC	NC	NC	NC	NC	NC	NC
27	NC	NC	NC	NC	NC	NC	NC
28	NC	NC	NC	NC	NC	NC	NC
29	NC	NC	NC	NC	NC	NC	NC
30	NC	NC	NC	NC	NC	NC	NC
31	NC	NC	NC	NC	NC	NC	NC
32	NC	NC	NC	NC	NC	NC	NC
33	NC	NC	NC	NC	NC	NC	NC
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35	NC	NC	NC	NC	NC	NC	NC
36	NC	NC	NC	NC	NC	NC	NC
37	NC	NC	NC	NC	NC	NC	NC
38	NC	NC	NC	NC	NC	NC	NC
39	NC	NC	NC	NC	NC	NC	NC
40	NC	NC	NC	NC	NC	NC	NC
41	NC	NC	NC	NC	NC	NC	NC
42	NC	NC	NC	NC	NC	NC	NC
43	NC	NC	NC	NC	NC	NC	NC
44	NC	NC	NC	NC	NC	NC	NC
45	NC	NC	NC	NC	NC	NC	NC
46	NC	NC	NC	NC	NC	NC	NC
47	NC	NC	NC	NC	NC	NC	NC
48	NC	NC	NC	NC	NC	NC	NC
49	NC	NC	NC	NC	NC	NC	NC
50	NC	NC	NC	NC	NC	NC	NC
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52	NC	NC	NC	NC	NC	NC	NC
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97	NC	NC	NC	NC	NC	NC	NC
98	NC	NC	NC	NC	NC	NC	NC
99	NC	NC	NC	NC	NC	NC	NC
100	NC	NC	NC	NC	NC	NC	NC

Note 3-4: PWRAP, SPK, CSD, and AUDIO, DAY, MISC, and MISC pin to select which interface will be the JTAG pin out.

USE CASE	PWRAP	SPK	CSD	AUDIO	DAY	MISC	MISC
1	NC	NC	NC	NC	NC	NC	NC
2	NC	NC	NC	NC	NC	NC	NC
3	NC	NC	NC	NC	NC	NC	NC
4	NC	NC	NC	NC	NC	NC	NC
5	NC	NC	NC	NC	NC	NC	NC
6	NC	NC	NC	NC	NC	NC	NC
7	NC	NC	NC	NC	NC	NC	NC
8	NC	NC	NC	NC	NC	NC	NC
9	NC	NC	NC	NC	NC	NC	NC
10	NC	NC	NC	NC	NC	NC	NC
11	NC	NC	NC	NC	NC	NC	NC
12	NC	NC	NC	NC	NC	NC	NC
13	NC	NC	NC	NC	NC	NC	NC
14	NC	NC	NC	NC	NC	NC	NC
15	NC	NC	NC	NC	NC	NC	NC
16	NC	NC	NC	NC	NC	NC	NC
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38	NC	NC	NC	NC	NC	NC	NC
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76	NC	NC	NC	NC	NC	NC	NC
77	NC	NC	NC	NC	NC	NC	NC
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96	NC	NC	NC	NC	NC	NC	NC
97	NC	NC	NC	NC	NC	NC	NC
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99	NC	NC	NC	NC	NC	NC	NC
100	NC	NC	NC	NC	NC	NC	NC

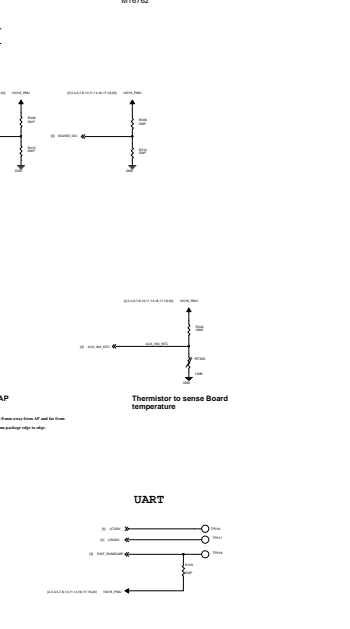
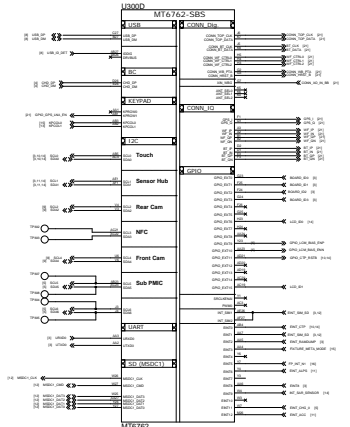
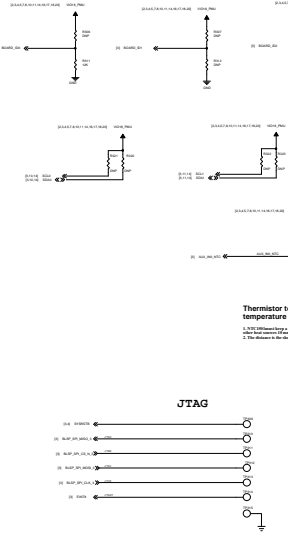
Note 12-5: Please set unused I2 pins in NC.

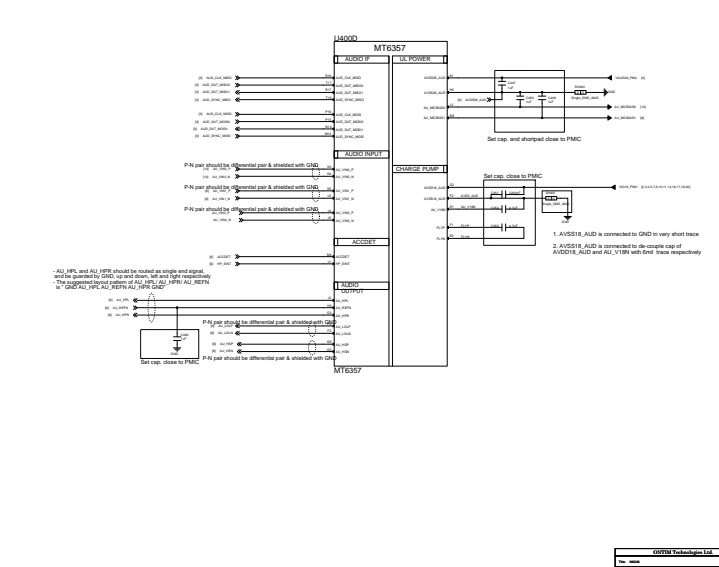
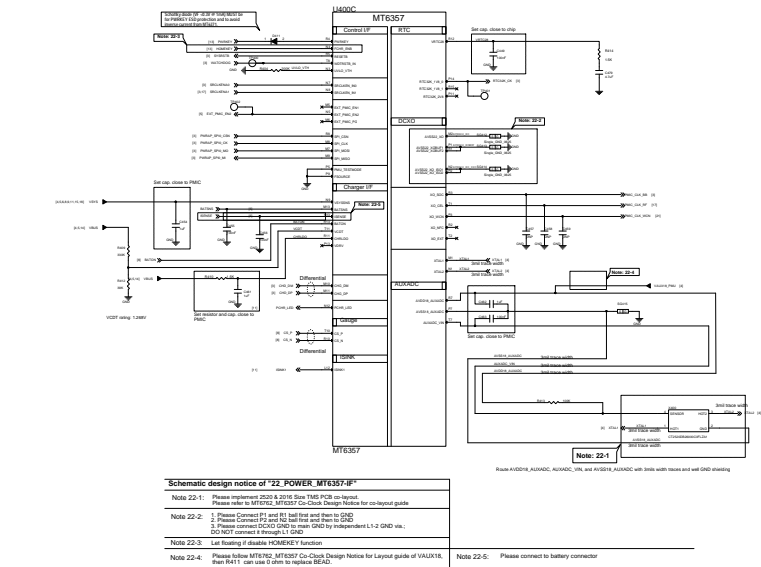
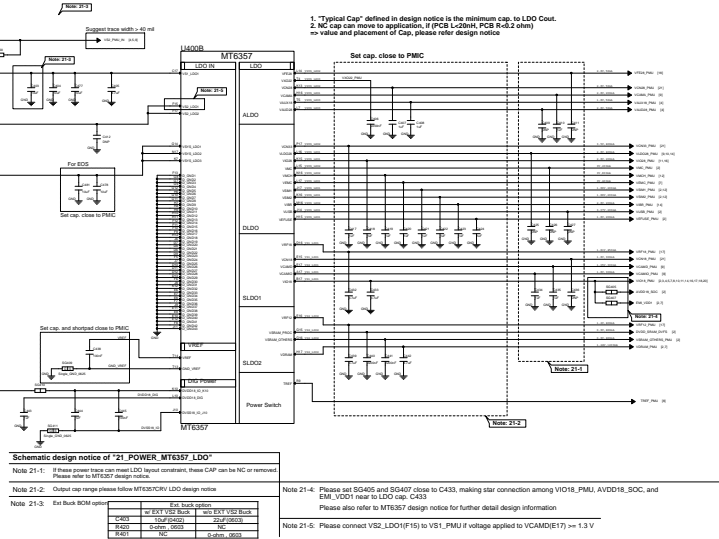
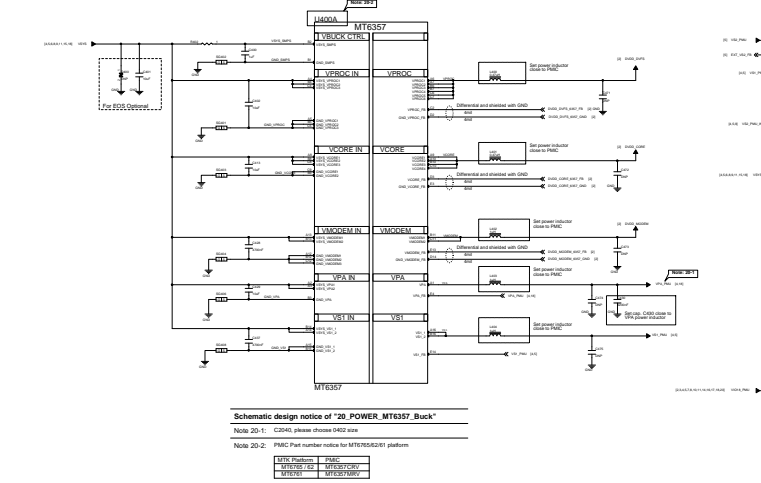


Schematic design notice of "13_BB_2" page.

Note 13-1: The enable pin of acoustic or optoelectronic devices (e.g. SPK AMP/Backlight/Charger/COFOT) suggest to use PWRAP, GND.

If use other OPIC as enable pin, suggest to reserve GND1 NC to GND.





[illegible][illegible][illegible]

base M16/62 rel

Ext. Bulk for VS2

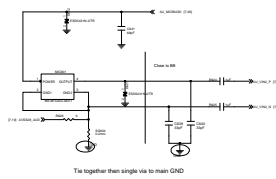
Note: 2B-2

Suggested trace width = 40 mil

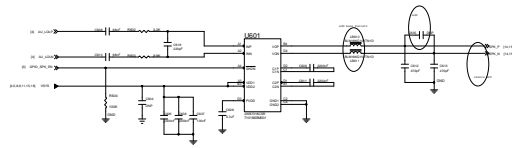
$V_{out} = 0.6V \times (1 + R2/R1) = 1.462$

Note 28-3: VCN03 LDO Layout placement please close to MT6631

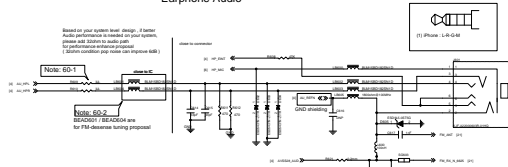
Handset 2nd Microphone



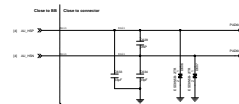
SPEAKER base M3901-P 0626



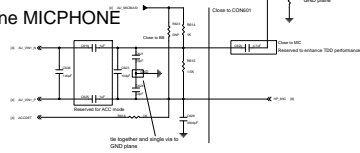
Earphone Audio base M3901-P 0626



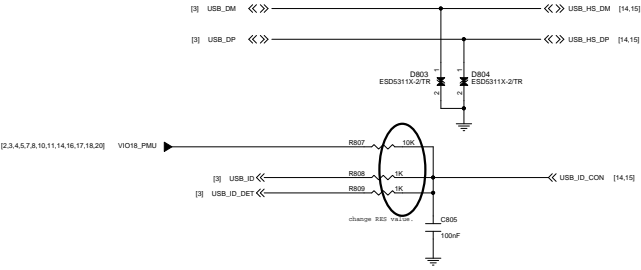
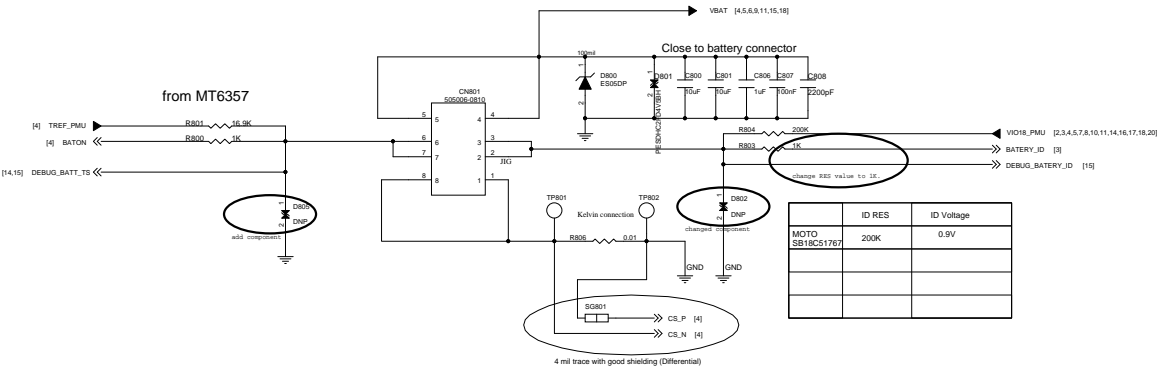
EAR PIECE



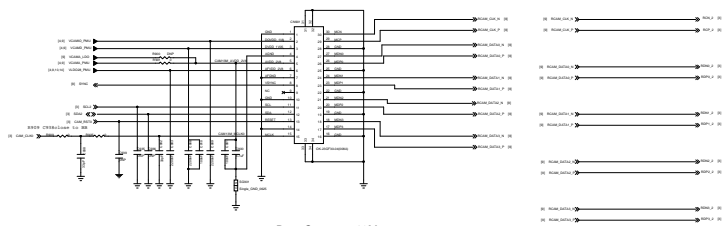
Earphone MICPHONE



BATTERY CONNECTOR



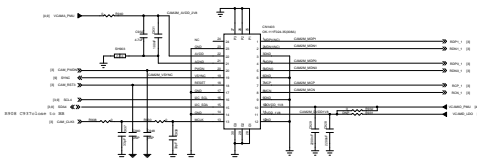
Rear-Main-AF Camera 13M



Rear Camera - 13M

Rear camera SHINTECH(SKALXKX13) IC address: (Write5d2E, Read5d27)
AF driver 8055 IC address (Write5d2E, Read5d27)

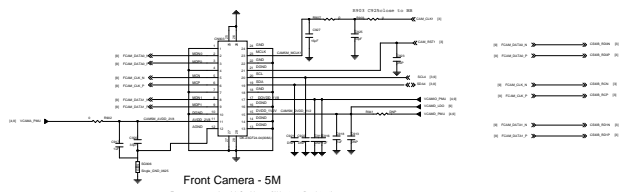
Rear-Slave-FF Camera 2M



Rear Slave Camera - 2M

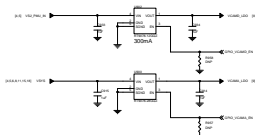
Rear camera SHINTECH(SC2375-C2376) IC address: (Write5d2E, Read5d2F)

Front-FF-5M Camera Connector

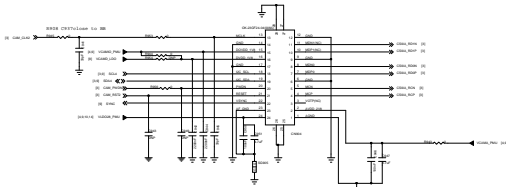


Front Camera - 5M

Front camera 8055(IC) IC address: (Write5d2E, Read5d27)



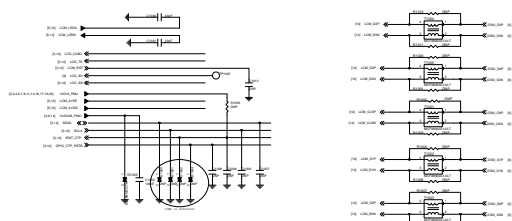
Rear-Slave-AF Camera 2M



Rear Slave AF Camera - 2M

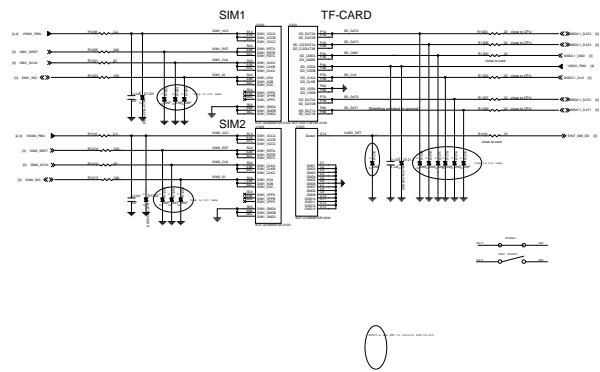
Rear camera SHINTECH(SC2375-C2376) IC address: (Write5d2E, Read5d2F)

LCM Connector



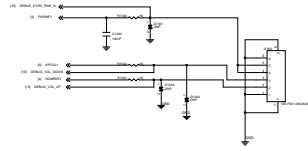
GT1151 I2C address: 0X5D (Write:0xBA, Read:0xBB)
or 0x14 (Write:0x28, Read:0x29)

SIM and TF



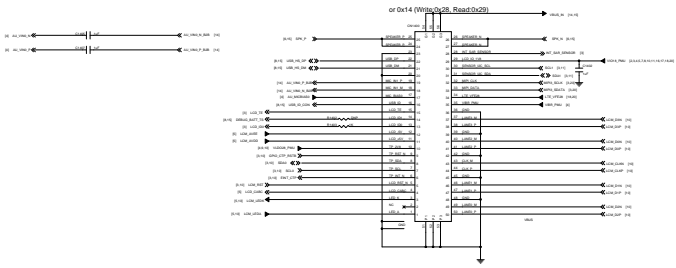
KEY base M3901-P 0626

Volume Up : HOME Key / OND
Volume Down : KPCOL-11310
DO NOT put pull-up resistor on PWRKEY

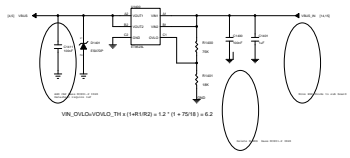


base M3901-P 0626

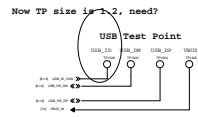
LCM Connector



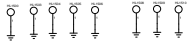
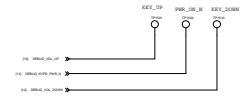
OVP



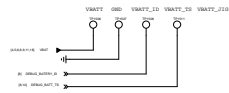
USB Test point



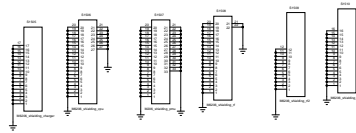
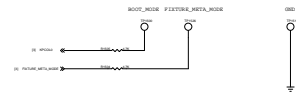
KEY Test point



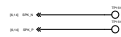
BATTERY Test point

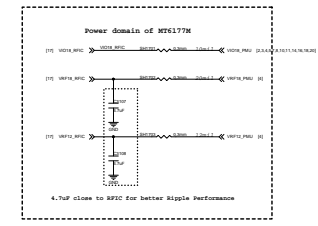


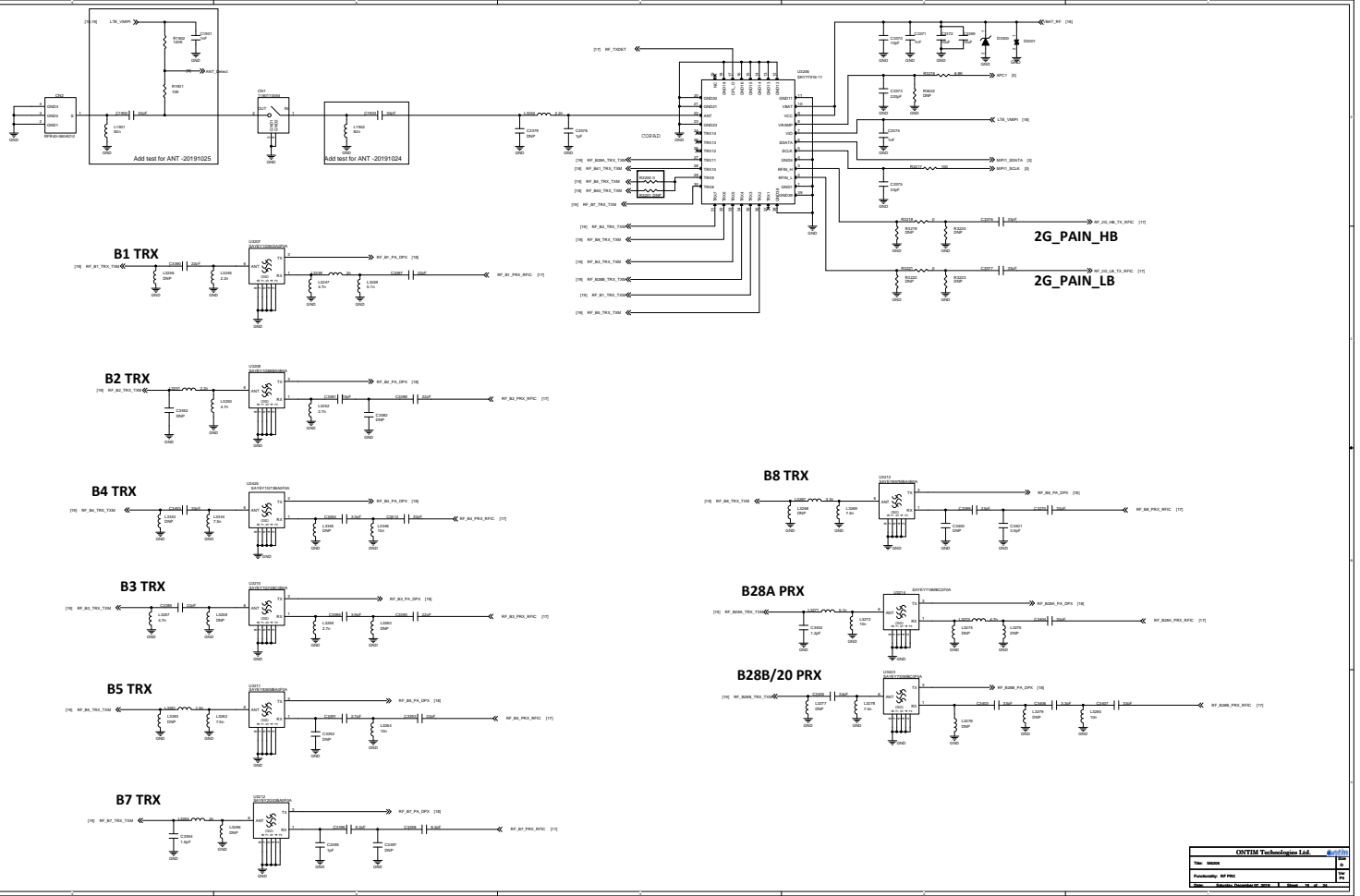
Test point

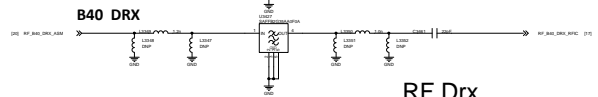
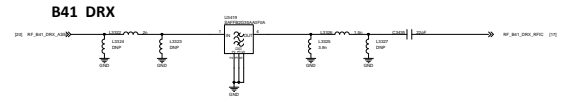
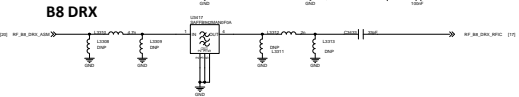
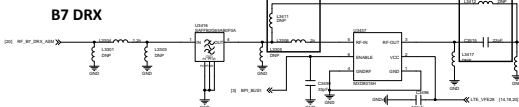
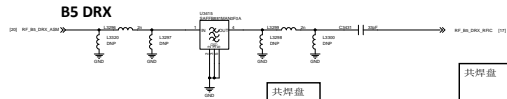
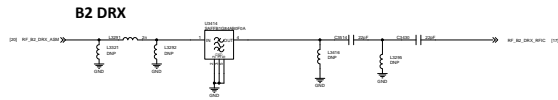
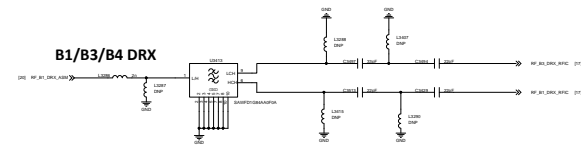
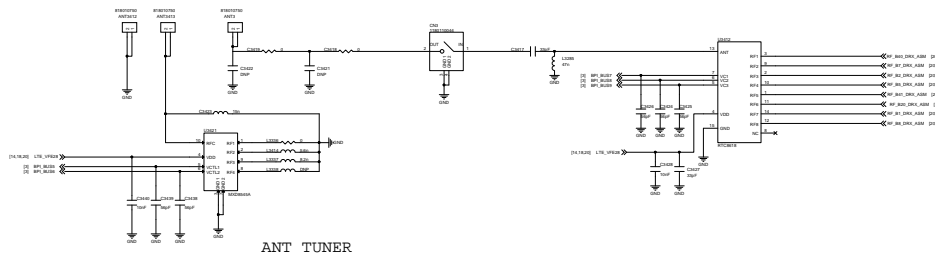


SPK Test point









RF Drx

