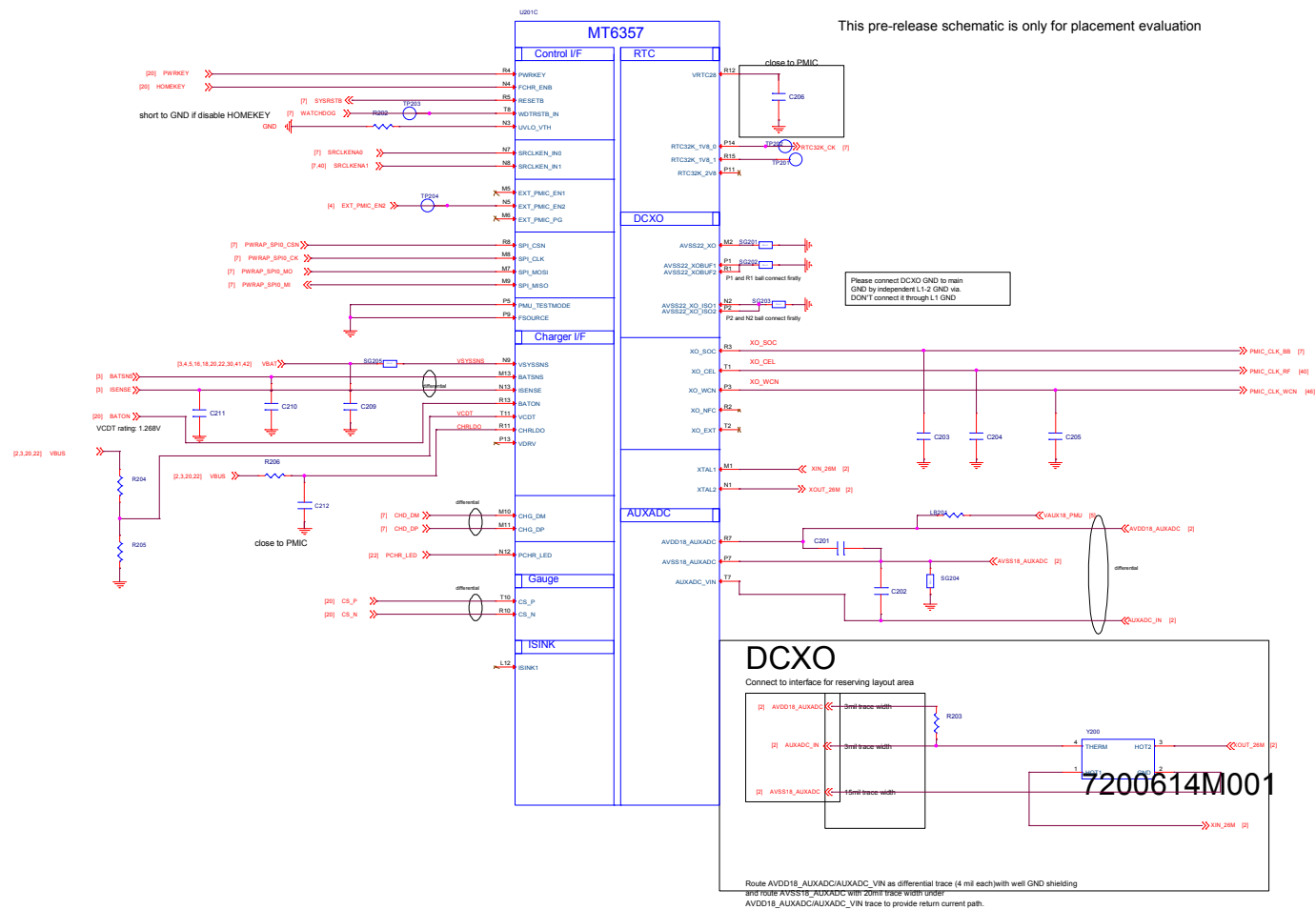


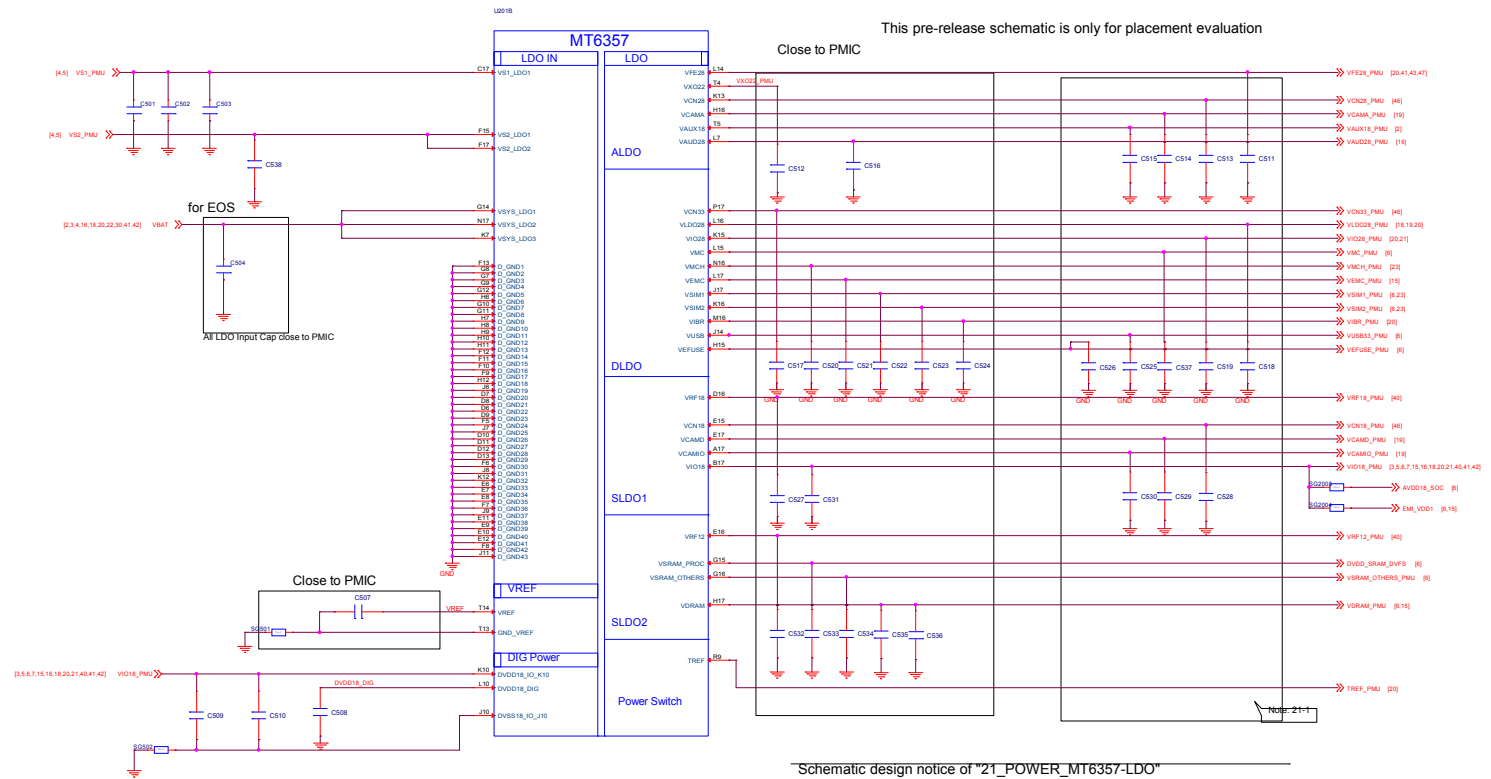
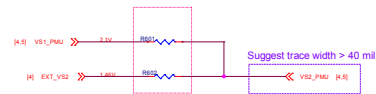
深圳市中诺通讯有限公司		CNCE	
File	NCI_maintenat_P0	Ver	-Rev0001
Functionality		Document Number	47
Content			规格书10页
Design	设计: Xiang Tao	Review	审核: ?

This pre-release schematic is only for placement evaluation



MT6537 control

深圳市中通通讯有限公司		CNCE	
File	MT6537_mainboard_P0	Ver	-Rev0001
Functionality	MT6537 Control	Document Number	47
Design	设计: Xiang Tao	审核	?



Schematic design notice of "21_POWER_MT6537-LDO"

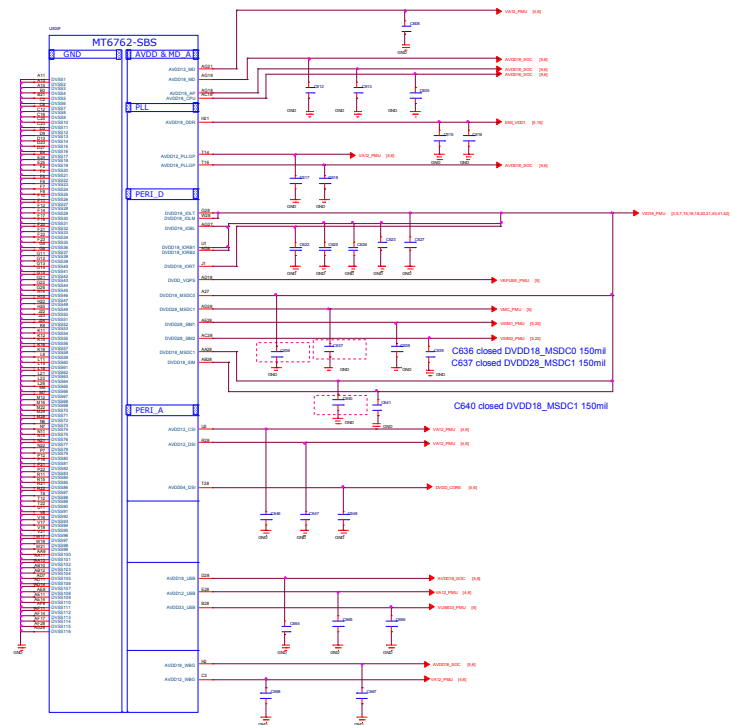
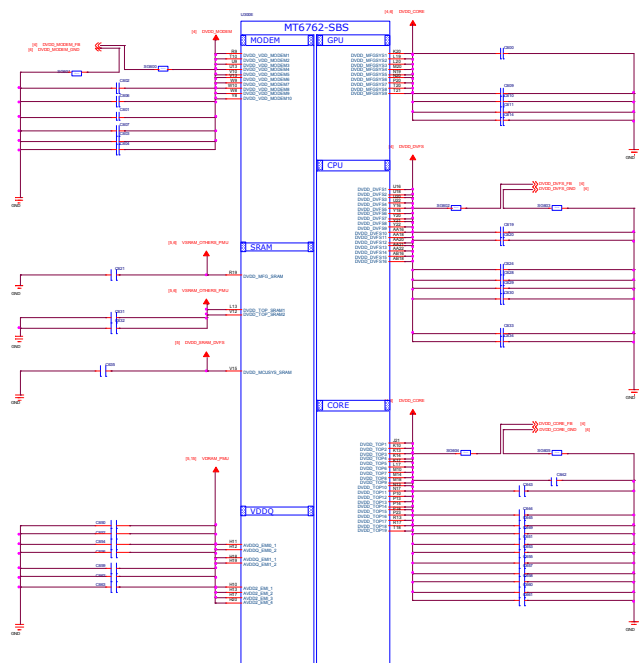
Note 21-1: If these power trace can meet LDO layout constraint, these CAP can be NC or removed.

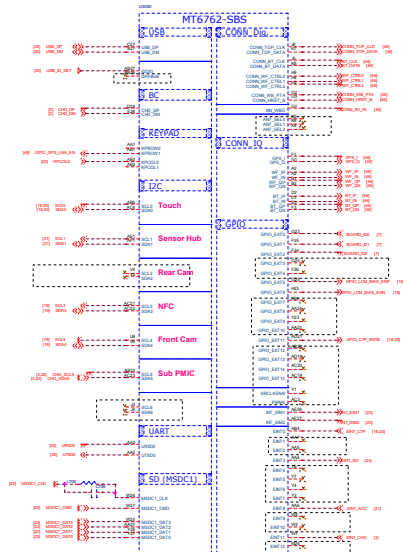
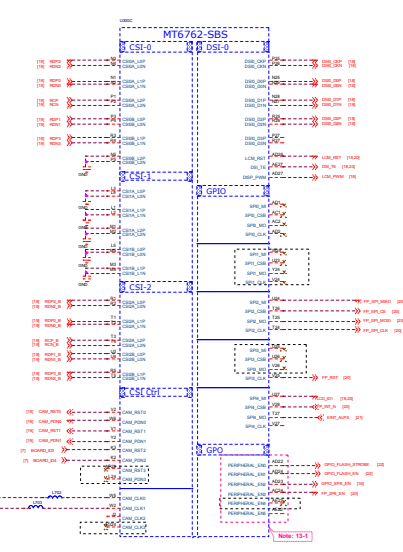
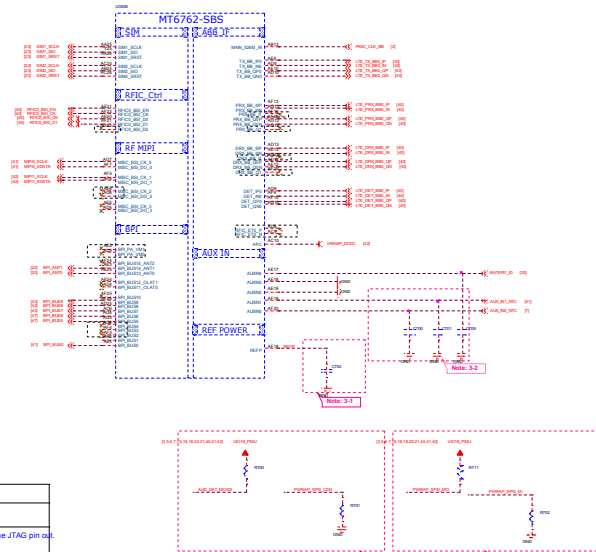
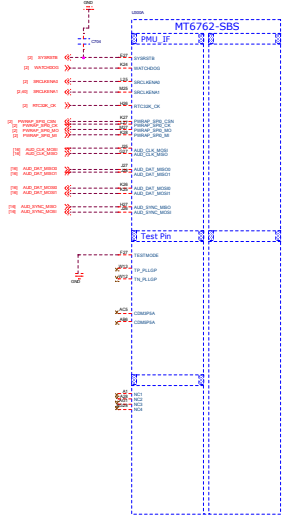
MT6537 LDO

深圳市中诺通讯有限公司			
File	NC3_maintain_P0	Ver	-Rev0001
Functionality	MT6537_LDO	Document Number	47
Design	Xiang Tao	Design Date	2014-10-10
Design	Xiang Tao	Check	?

CNCE

绝密★10级





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

Note 12-2: To shunt a 1uF capacitor in the ALXIN ADC input to prevent noise coupling. It should be placed as close to BS as possible. Connect the unused AUX-ADC input to GND.

Note 12-3: *PWRAP, SPD, CSN and *AUD_DAT MOSB are bootstrap pin to select which interface will be the JTAG pin out.

Interface	AP JTAG	MT JTAG
PWRAP	LO	N/A
SPD	HI	SPD-ENTIS
CSN	LO	SPD-ENTIS
AUD_DAT	LO	MSDCI

Note 12-4: PWRAP, SPD, MI is DDR type feature in bootstrap.

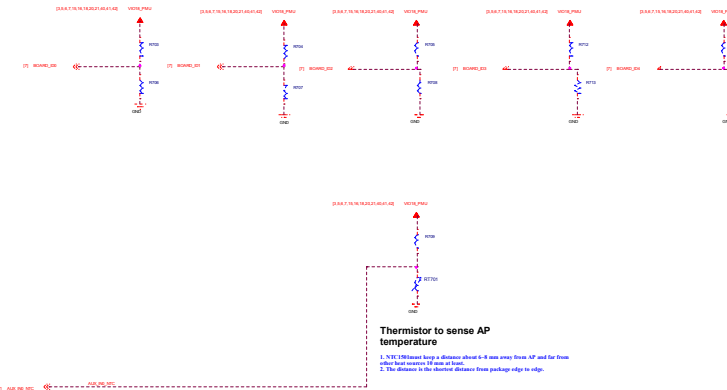
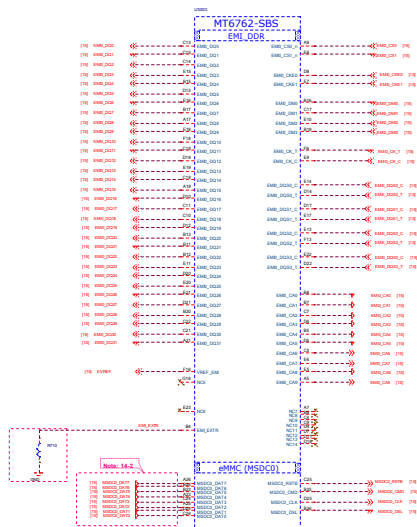
Interface	AP JTAG	MT JTAG
PWRAP	LO	N/A
SPD	HI	SPD-ENTIS
CSN	LO	SPD-ENTIS
AUD_DAT	LO	MSDCI

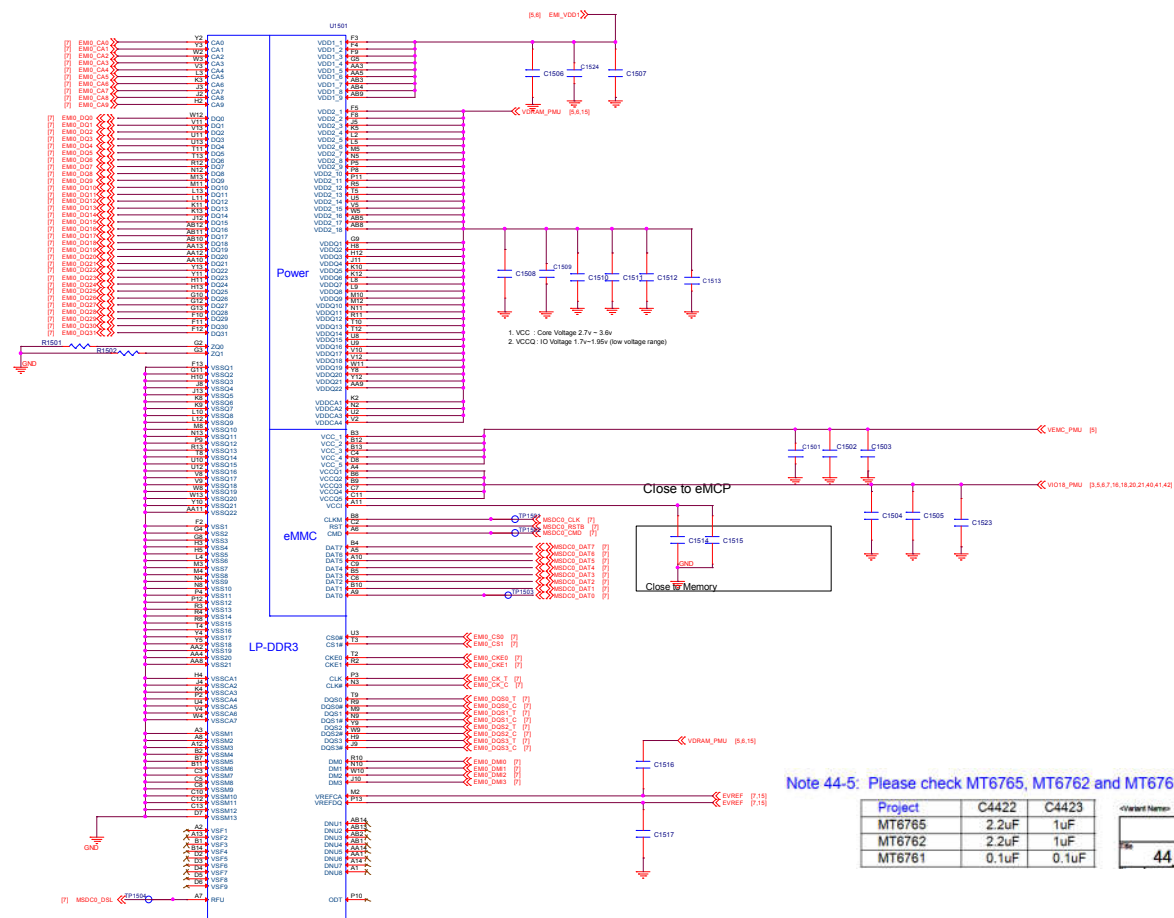
Note 12-5: Please set unused IQ pins in NC

Schematic design notice of "13_BB_2" page.

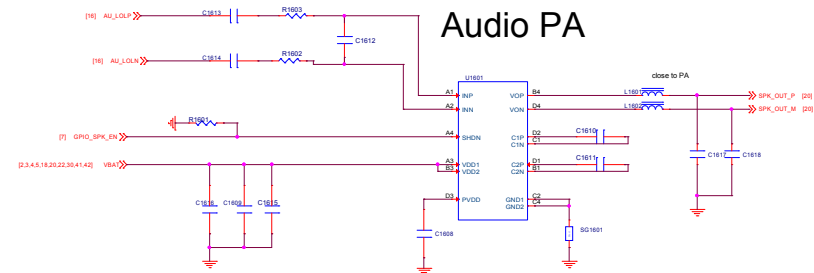
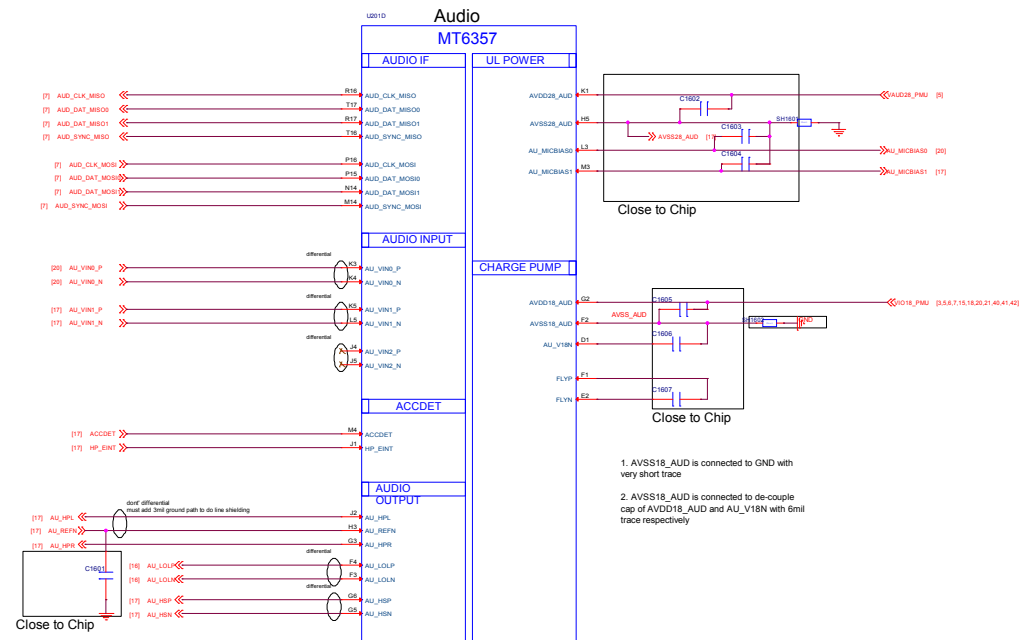
Note 13-1: The enable pin of acoustic or optoelectronic devices (e.g. SPK AMP/Backlight/Charger (COP/CPV)) suggest to use Peripheral (ENQ3).

If use other GPIOs as enable pin, suggest to reserve 0201 NC to GND



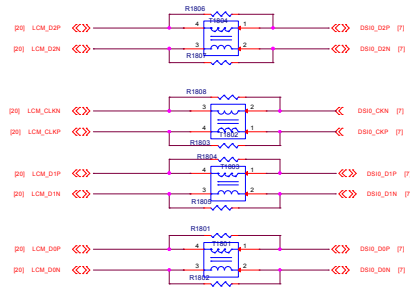
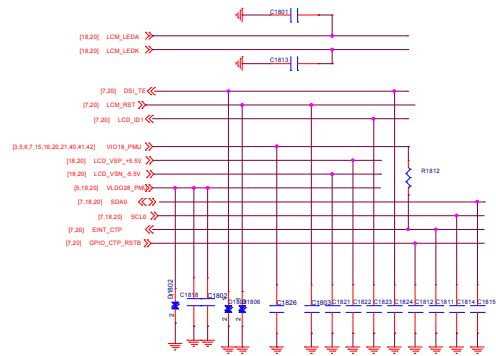


EMMC & LPDDR3



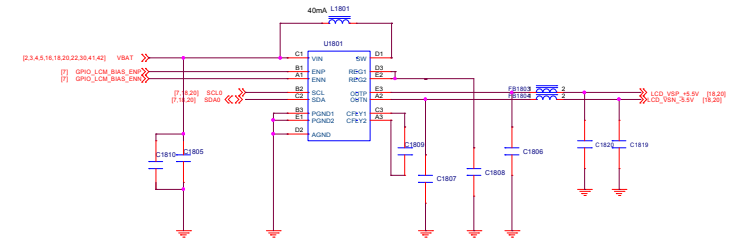
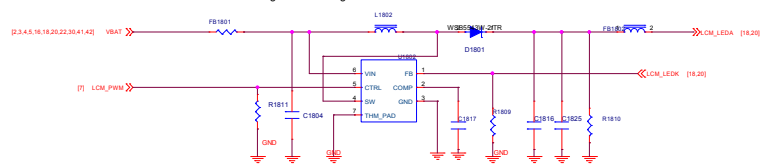
LCM Connector

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



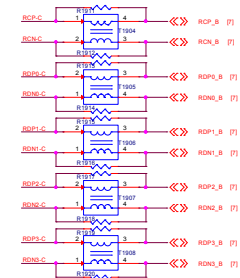
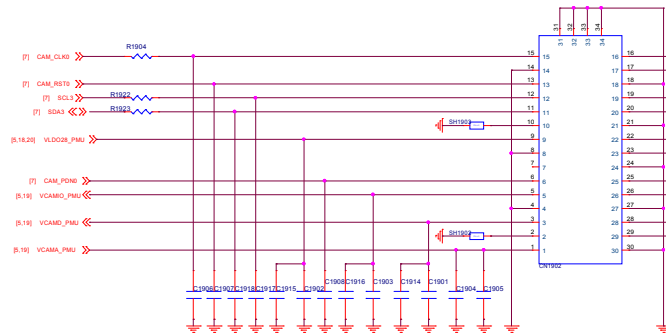
LCM Backlight LED Driver

together then single via to main GND

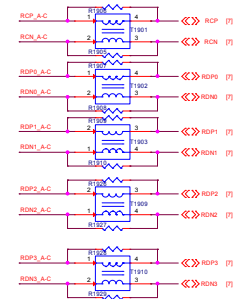
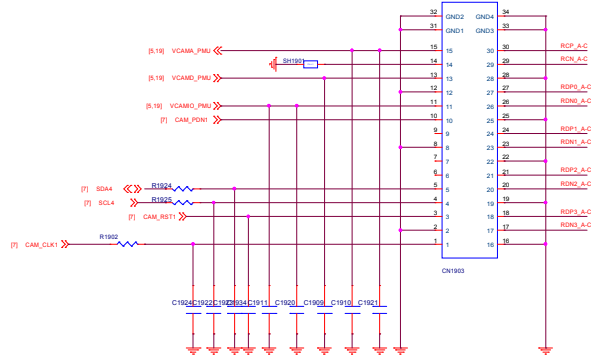


深圳市中诺通讯有限公司		CNCE	
File	BC3_mainboard_P0		
functionality	LCD & CTP	Document Number	47
Date:	Wednesday, August 26, 2020	Sheet	18 of 47
设计: Xiang Tao		审核: ?	

Rear Camera 8M(13M)



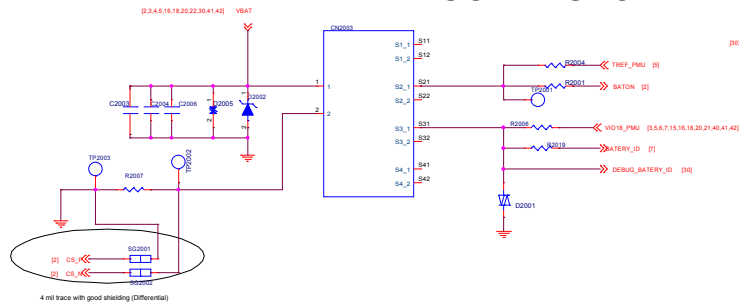
Front Camera 5M



Camera IF

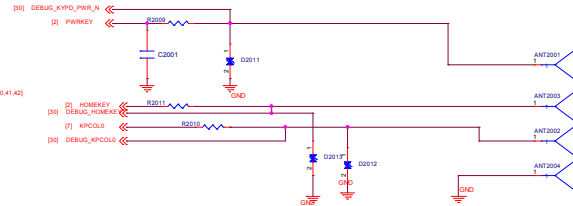
深圳市中诺通讯有限公司		CNCE	
File	BC3_mainboard_P0	Rev	<RevCode>
functionality	Camera IF	Document Number	47
Date	Wednesday, August 26, 2020	Sheet	19 of 47
设计: Xiang Tao		审核: ?	

BATTERY CONNECTOR

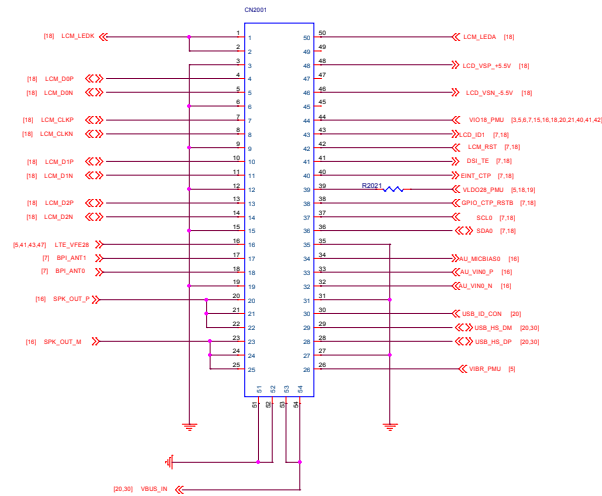
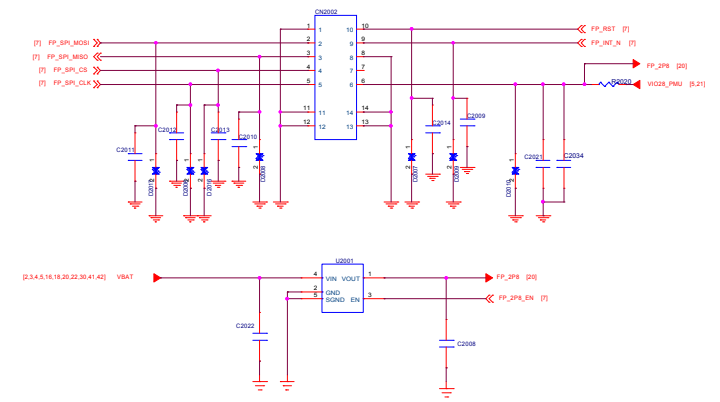


KEY

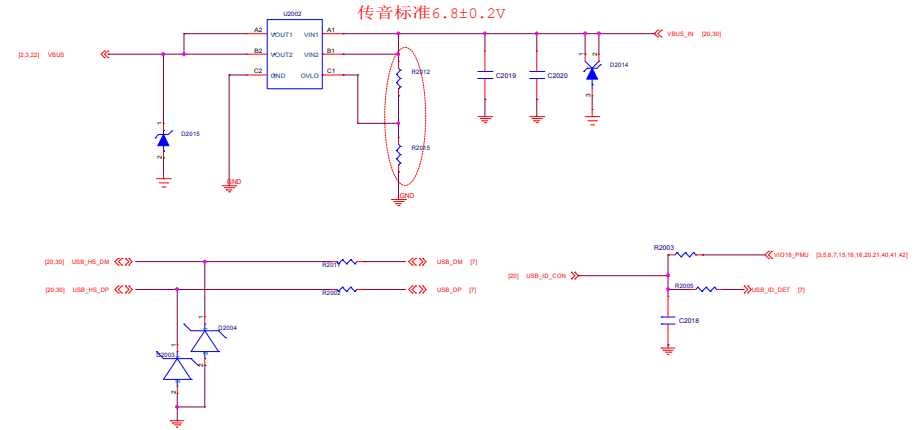
Volume Up : HOME Key / GND
Volume Down : KPCL0/GND
DO NOT put pull-up resistor on PWRKEY



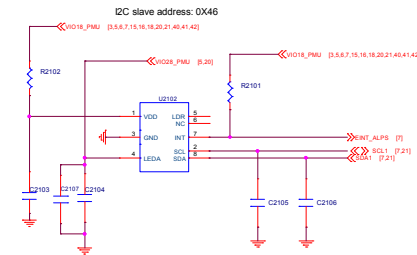
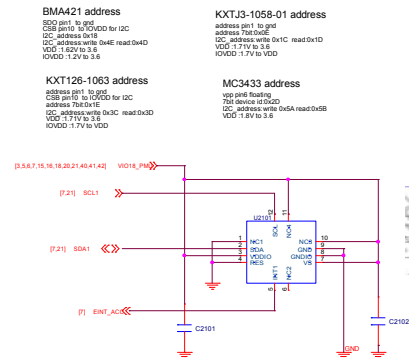
Fingerprint



传音标准6.8±0.2V



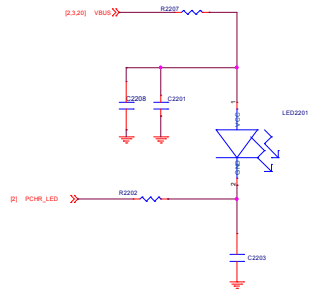
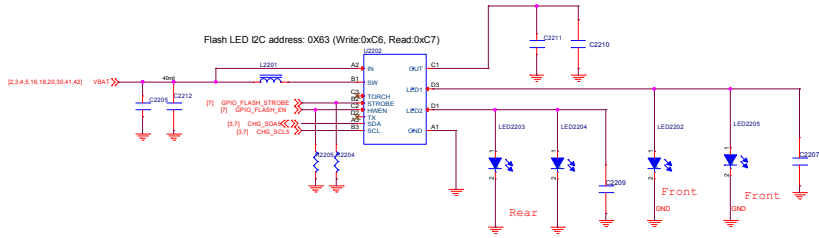
深圳市中诺通讯有限公司		CNCE	
File	BC3_mechanism_P0	Ver	-Rev0001
Project	IP	Document Number	47
Rev	1.0	Design	47
设计: Xiang Tao		审核: ?	



Sensor and indicator LED

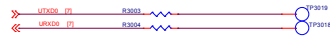
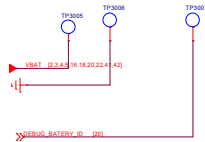
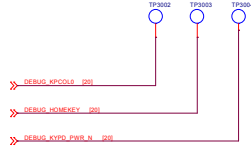
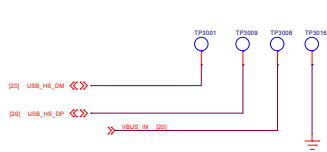
深圳市中诺通讯有限公司		CNCE
File	SC3_mainboard_P0	Rev: 0-Rev0001
Functionality	Sensor	Document Number: 47
Version	1.0	1.0
设计: Xiang Tao	审核: ?	

Flash LED 5V Boost

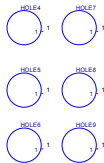
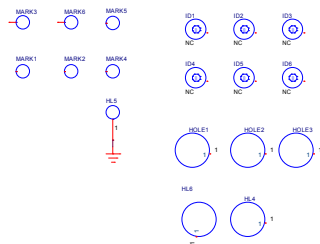


Flash LED

深圳市中诺通讯有限公司		CNCE	
File	BC3_mainboard_P0	Ver	-Rev0001
Functionality	Flash	Document Number	47
Rev	Rev0001	Rev0001	Rev0001
设计: Xiang Tao	审核: ?	设计: Xiang Tao	审核: ?

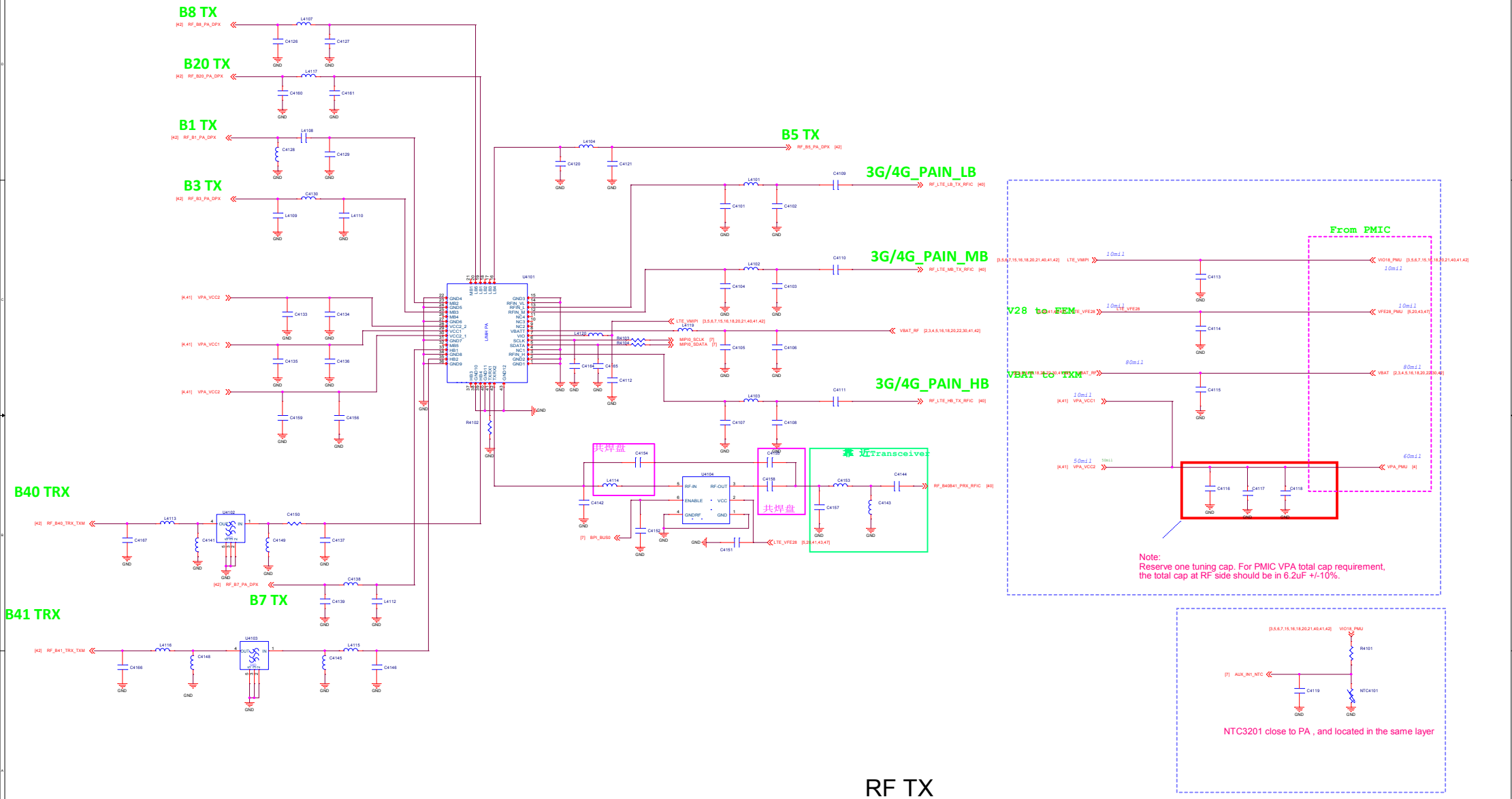


MARK

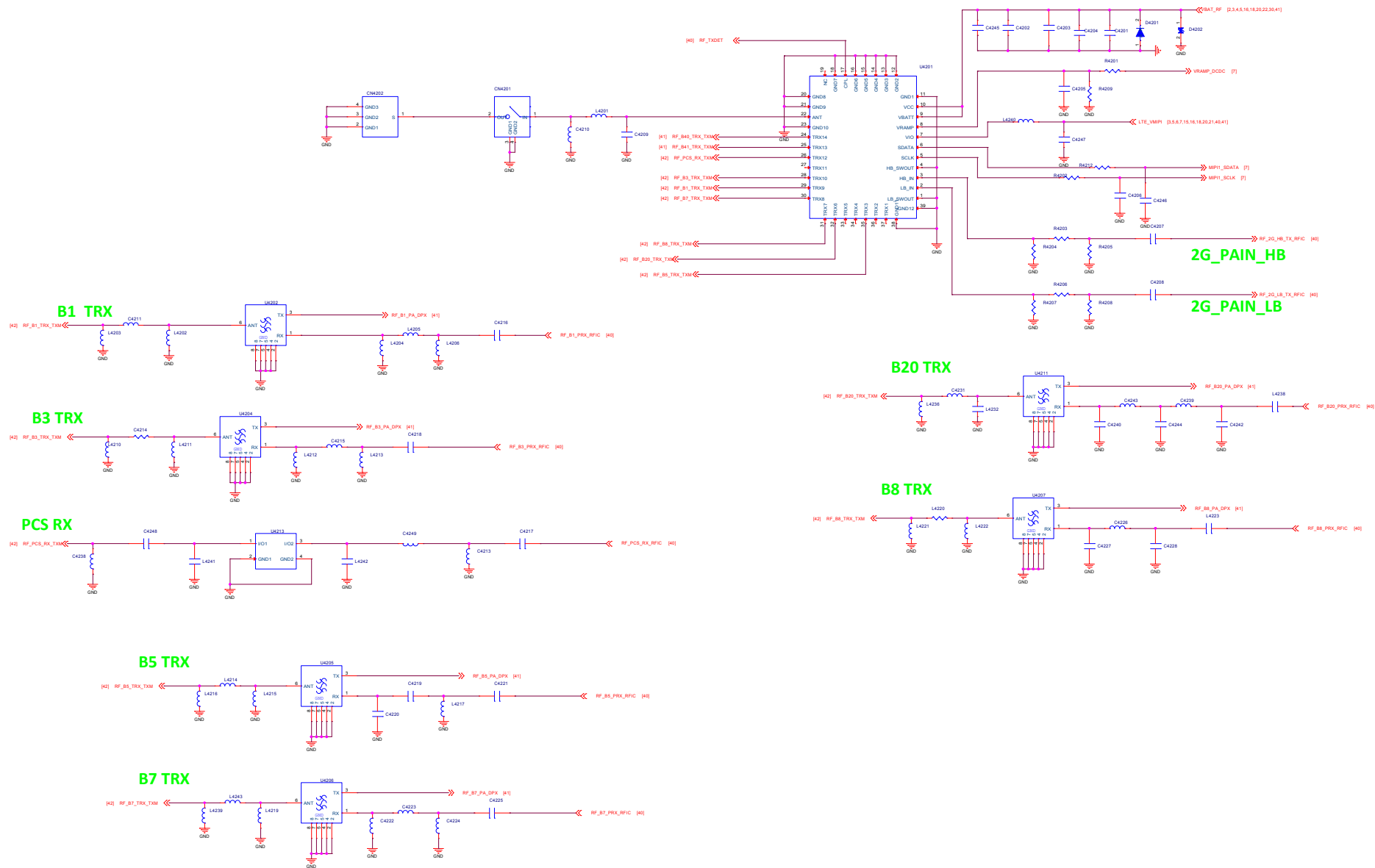


PCBA AUTOMATIC TEST point

深圳市中诺通讯有限公司		CNCE	
File	NC3_maintest_P0	Ver	-Rev0001
Functionality	Test Point	Document Number	47
Design	Design: Xiang Tao	Check	?



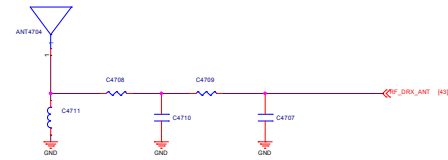
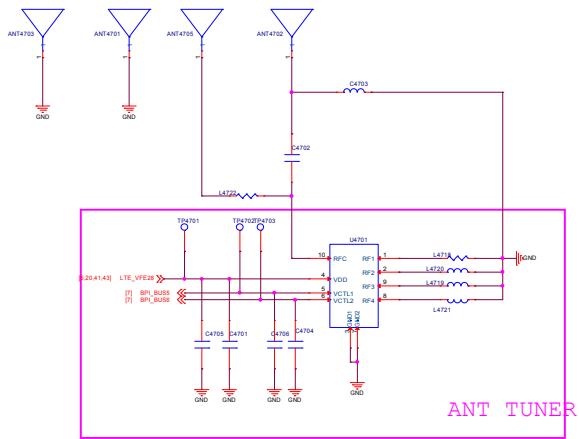
深圳市中诺通讯有限公司		CNCE	
File	BC3_mechanism_P0	Ver	<Rev004>
Project	RF_u4101779A_RF_TX	Document Number	47
Rev	1	Rev	1
设计: Li Xianhe		审核: ?	



深圳市中诺通讯有限公司		CNCE	
File	BC3_mainboard_P0	Ver	-Rev0001
Project	RF_4G177M_RF_P0X	Document Number	47
Rev	Rev0001	Rev0001	Rev0001
设计: Li Xianhe	审核: ?	日期: 2014-03-10	版本: 1.0



Title			
Dura_Mainboard			
Site	Document Number		Rev
Custom<Doc>			A
Date:	Wednesday, August 28, 2020	Sheet	40 of 47



深圳市中诺通讯有限公司		CNCE	
File	NC3_maintenant_P0	Rev	-Rev0001
Functionality	RF_P01	Document Number	47
Version	Revision 1.0	Sheet	1 of 1
设计: Zhang Chao	审核: ?	绝密★10级	