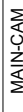
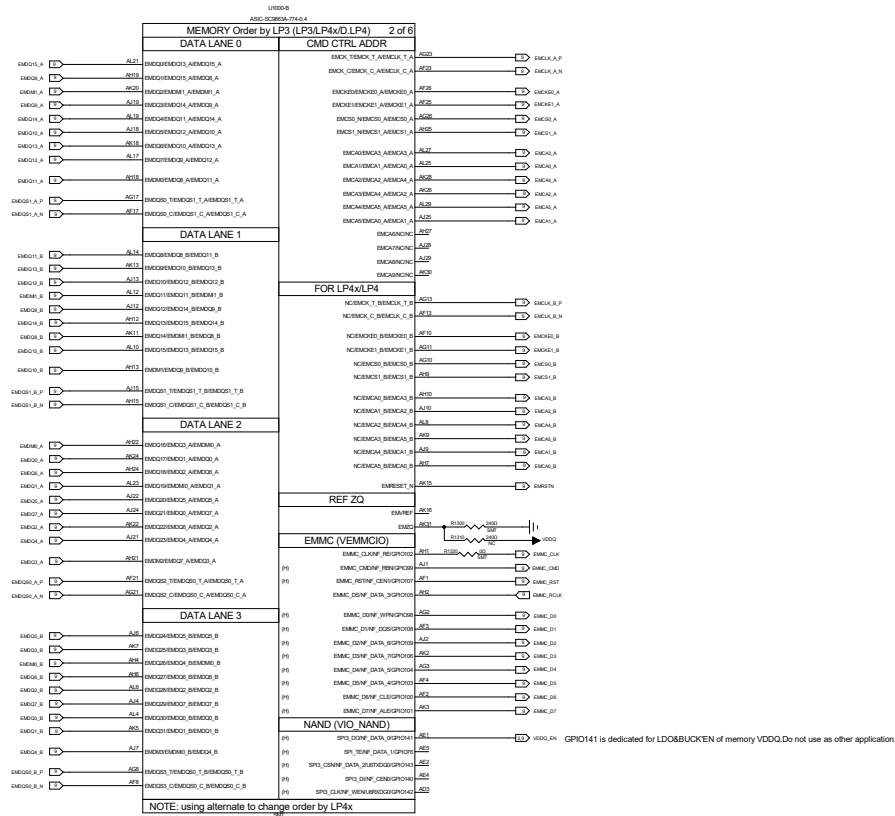


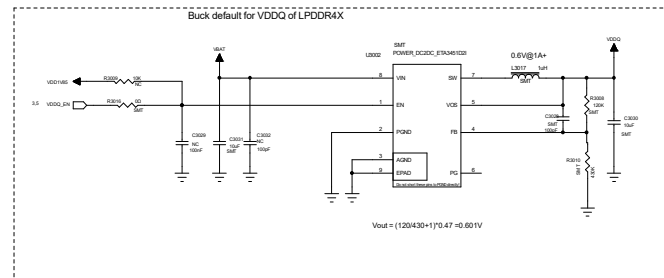
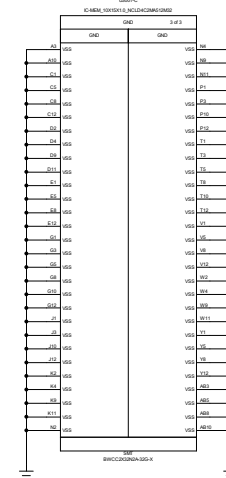
SCALE:	SHEET 26
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REVISION RECORD			
LTN	ECNOED	APPROVED	DATE



COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD			
TITLE: 13_BB_MEMORY			
DESIGN	Yang Y1	DATED	2022.07.20
CHECKED		DATED	
QUALITY CONTROL		DATED	
RELEASED		DATED	
CODE	D120	SIZE	D
DRAWINGNO	D120	REV	V0.10
SCALE		SHEET	6 26



CODE:	SIZE:	DRAWING NO:	REV:
D120	D	D120	V0.1
SCALE:		SHEET: 9	26

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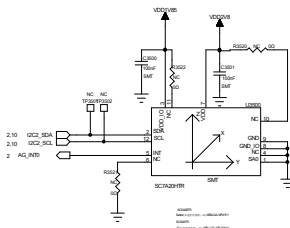
2

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REVISION RECORD			
LTN	ECNO	APPROVED	DATE

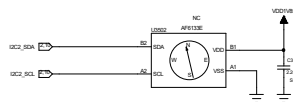
change: E2021-03208, from K20h-A110071000-0100 to K20h-A110071000-0100

Accelerometer

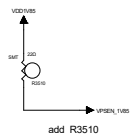


E-Compass(选配)

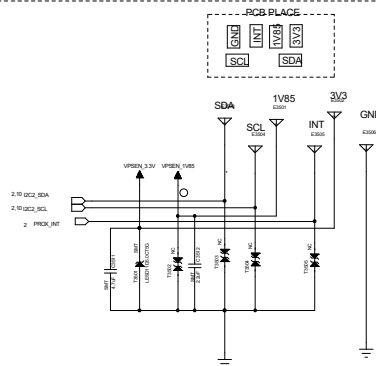
IC2:0X0C



close U3501
PS+ALS Sensor(option)



del : U3501,C3509,C3518,C3510.R3500,R3510

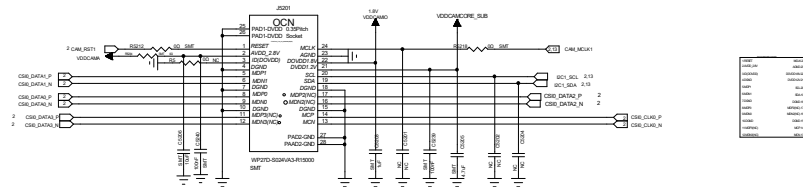


COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD			
TITLE: 35_SENSOR			
DESIGN: Yang-Yi	DATED: 2022.07.20	CODE: D120	SIZE: D
CHECKED:	DATED:	DRAWINGEND: D120	REV: V0.10
QUALITY CONTROL:	DATED:	SCALE:	SHEET: 90 20
RELEASED:	DATED:		

V0.10

FRONT-CAMERA	AVDD	DVDD	DQVDD	SENSOR_GD_ADDR	EEPROM_GD_ADDR
SGK55P06A(38)	2.8V@70mA	1.2V@70mA	1.8V@5mA	EXD2(W)/EX1(R)	NONE
GC08A3(38)	2.8V@50mA	1.2V@120mA	1.8V@10mA	EXD2(W)/EXD3(R)	NONE
SGK3P56P1(38)	2.8V@57.5mA	1.2V@150mA	1.8V@0.5mA	EXD2(W)/EXD3(R)	EXA2(W)/EXA1(R)

FROM/TO-CAUSE	AVDD	DVDD	D0VDD	SENSOR_OC_ADDR	EEPROM_OC_ADDR
S0K320CA(98)	2.8V@17mA	1.2V@70mA	1.8V@5mA	0X2(W)0X1(R)	NONE
GC38A(98)	2.8V@50mA	1.2V@130mA	1.8V@15mA	0X2(W)0X2(R)	NONE
S0K365R(188)	2.8V@7.5mA	1.2V@150mA	1.8V@0.5mA	0X2(W)0X2(R)	0XA(W)0XA(R)



PAGEINATION

80 rows per page

1BSET	MCU-26
2AXED, 2BV	AINE23
3XGND *	DOWED, RWJ2
4DQND	EVED1 2N21
5AEPY	SC-LB
6ENET	SQA-19
7DQND	SQNG-18
8MROD	MOPF-17
9DQND	MNH-16
10DQND	DQNG-15
11MPO *	MFP-14
12DQND *	MEK-13

SW CFG Guidance:

- 1. Pulse Count:
- 1-8 pulse: 220mS Flash time out
- 9-16 pulse: 1300mS Flash time out

OCP811A R5211=30K

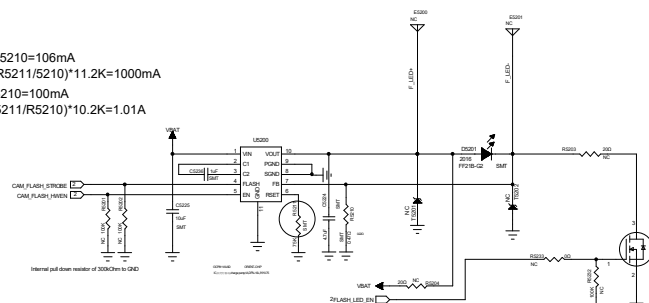
Torch current=50mV/R5210=106mA

Flash current=(1.26V/R5211/R5210)*11.2K=1000mA

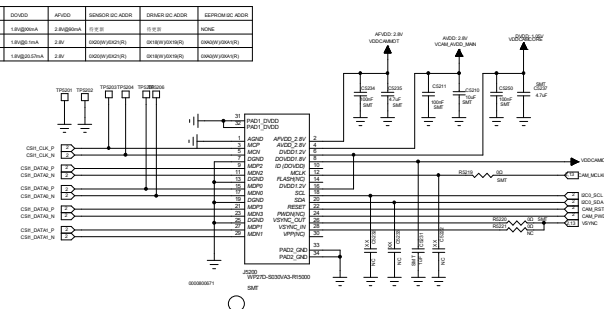
Torch current=47mV/R5210=100mA

AW3641 R5211=27K

Flash current=(1.26V/R5211/R5210)*10.2K=1.01A

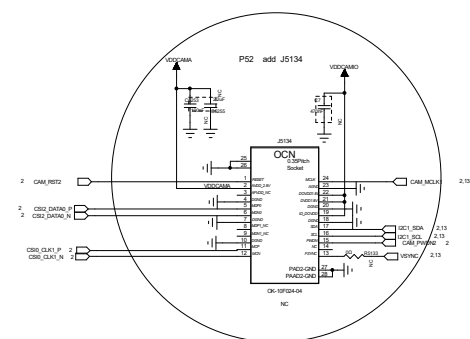
[illegible]

MAIN-CAM

[illegible]

Depth-CAMERA	AVIDO	DVIDO	DVIDDO	SSENSOR_OC_ADDR	EPPROM_OC_ADDR	SRK-SCREEN / Connected
G03DHF-GH46	2.8Gig*	18Mg*	1.8Vgma	B4F07F5D8E(R)	NONE	UATLSS10BF-VI-DK-10

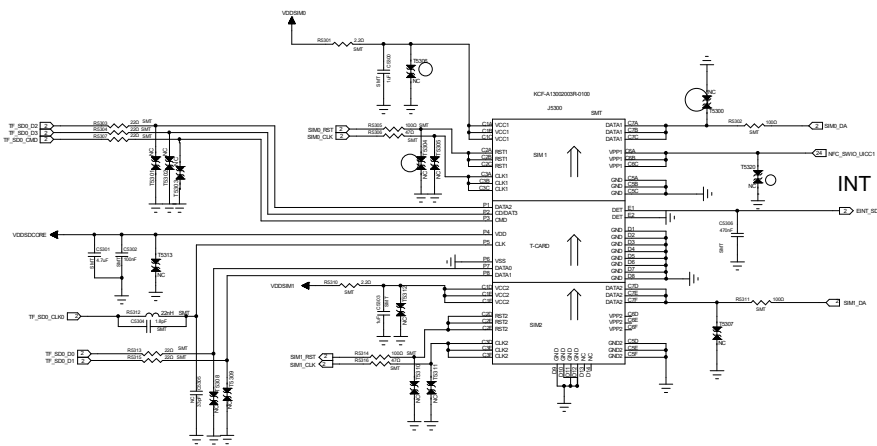
Depth Camera



DRAWN	Yang.Yi	DATED:	2022.07.2
CHECKED:		DATED:	
QUALITY CONTROL:		DATED:	
RELEASED:		DATED:	

COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD			
TITLE: 52_CAMERA/FLASH			
CODE: D120	SIZE: D	DRAWING NO: D120	REV: V0.10
GROUP:		ISSUED: 4/9	DATE: 9/6

The diagram shows a circuit connection within a dashed box. At the top, the text "SIM1" is centered. Below it, two vertical arrows point upwards. The left arrow is labeled "VDDSIM1" and the right arrow is labeled "SIM1_VDD". A horizontal line connects the two arrows, with a resistor symbol in the middle labeled "10k".



INT  Normal:0
Insert:1

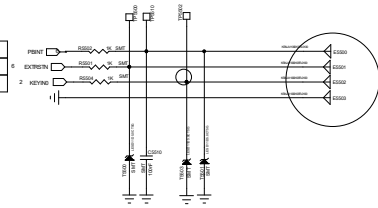
		COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD			
		TITLE: 53_T_CARD/SIM			
OPERATOR: Yang Y1	DATE: 2022.07.20				
CHECKED:	DATE:	CODE: D120	SIZE: D	DRAWING(S): D120	REV: V0.10
QUALITY CONTROL:	DATE:				
RELEASED:	DATE:	SCALE:			SHEET: 94 26

Side -Key (4P)

shrapnel

Fingerprint

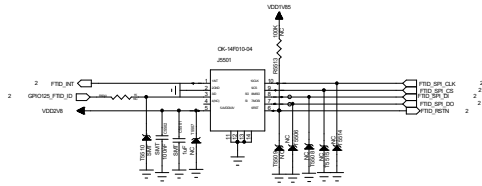
1	PWRKEY
2	VOL+
3	VOL-
4	gnd



BB support two keys 7S reset ,also support single key(PBINT) 7S reset with SC2721
Two keys Reset :EXTRSTN+PBINT

change T5510 Pin LED0000 to 5502 change to CONT-FPC-1.8X0.35-0.7-6PIN

Fingerprint (10pin BTB)



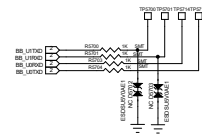
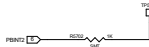
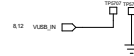
OK-14F010-04
Rev: 1.0 (2022.07.20)
Doc: 5502 (2.0) (2.0) (2.0) (2.0) (2.0) (2.0) (2.0) (2.0) (2.0) (2.0)



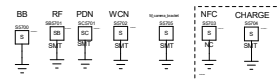
COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD			
TITLE: 55_KEYPAD/LED/FINGER			
DESIGN: Yang Yi	DATED: 2022.07.20	CODE: D120	SIZE: D
CHECKED:	DATED:	DRAWINGNO: D120	REV: V0.10
QUALITY CONTROL:	DATED:	SCALE:	SHEET: 26
RELEASED:	DATED:		

REVISION RECORD			
LTN	ECOMD	APPROVED	DATE

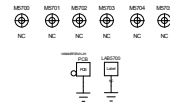
TEST



SHIELDING



MARK

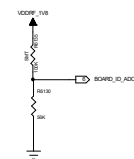


SharkL3 strapping pin

Signal name in boot code	Value	Descriptions	Default vale
USB_DOWNLOAD	0	USB download(no time out)	1(ie=1,wpu)
UART_DOWNLOAD	1	UART download(Default)	
ARM_BOOT_MD0	000	Reserved	111(ie=1,wpu) (MSB:md2 LSB:md0)
	001	TLC NAND Toggle	
ARM_BOOT_MD1	010	MLC/SLC NAND Flash(ONFI)	
	011	SD boot (no time out)	
	100	MLC/SLC NAND Flash(Toggle)	
ARM_BOOT_MD2	101	SLC NAND(ONFI) boot (Toggle/Default)	
	110	Reserved	
	111	eMMC boot	

COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD			
TITLE: 57_SHIELDING/TEST			
DESIGN: Yang Y1	DATE: 2022.07.20	CODE: D120	SIZE: D
CHECKED:	DATE:	DRAWINGNO: D120	REV: V0.10
QUALITY CONTROL:	DATE:	SHEET: 07 26	
RELEASED:	DATE:		

SCALE:	SHEET 48 26
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REVISION RECORD			
LTN	ECNO	APPROVED	DATE

3/4G_PAIN_HB

3/4G_PAIN_MB

4G PA input need LFF for harmonic rejection

margin on Tx
LFF for more
spurious

VDD1VB

PCC_RFFE_S0K1

PCC_RFFE_S0A1

VDD1VB

VDD1VB

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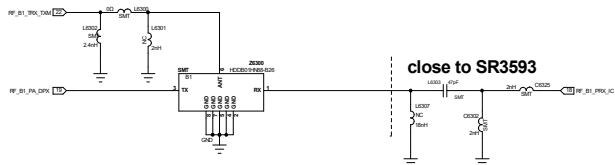
VDD1VB

VDD1VB

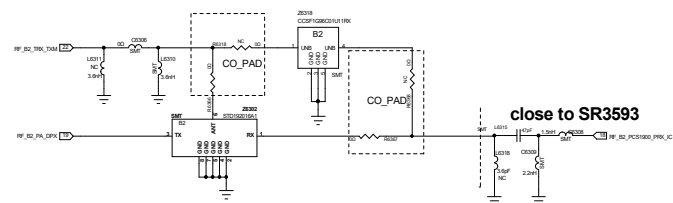
VPA_PMU width>60mil;(min width>=20mil,length<=100mils)
VCC1>=10mil;VCC2>=50mil
VPA_PMU PA side load C 6.2UF+5%

COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD			
TITLE: 62_RF_SPM6743-12_TX			
DESIGN: Yang-Yi	DATED: 2022.07.20	CODE: D120	SIZE: D
CHECKED:	DATED:	DRAWINGNO: D120	REV: V0.10
QUALITY CONTROL:	DATED:	SCALE:	SHEET: 40 20
RELEASED:	DATED:		

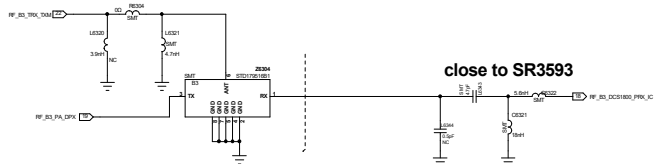
B1 TRX
1612规格



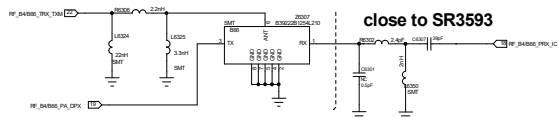
B2 TRX
1612规格



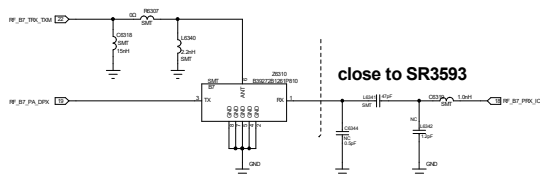
B3 TRX
1612规格



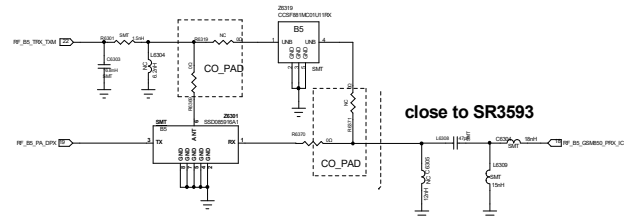
B4/B66 TRX
1612规格



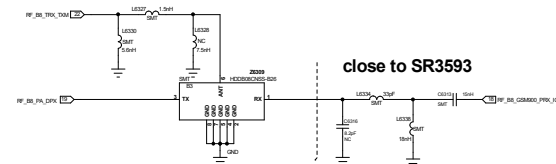
B7 TRX
1612规格



B5 TRX
1612规格

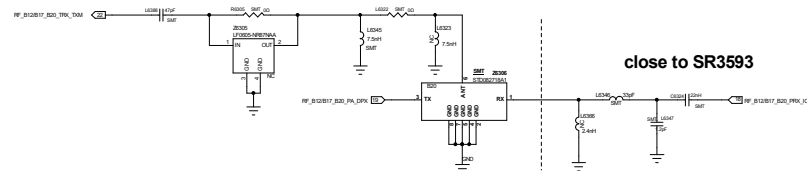


B8 TRX
1612规格

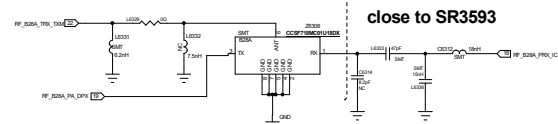


B12/B17_B20 TRX
1814规格

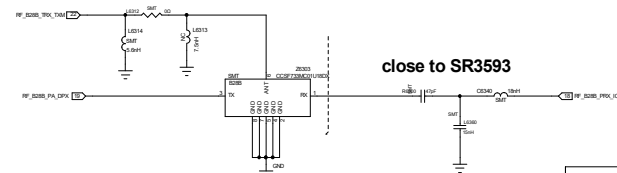
R6305和Z6305共焊盘



B28A TRX
1814规格



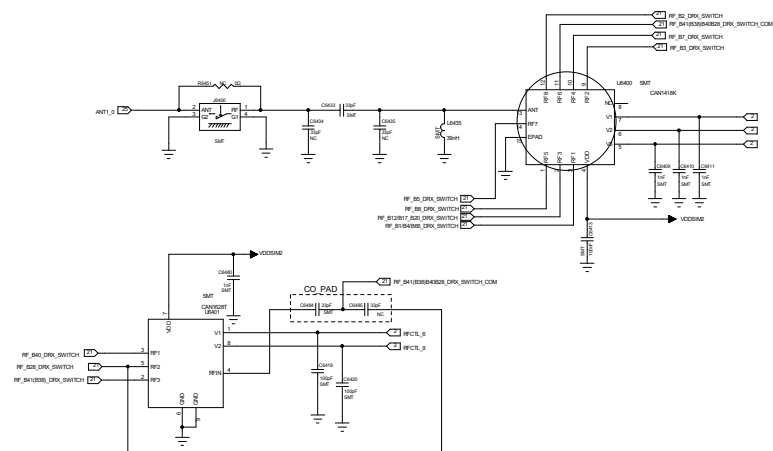
B28B TRX
1814规格



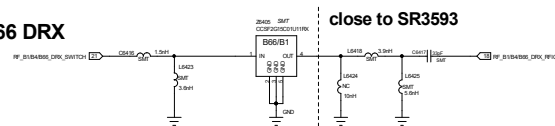
REVISION RECORDED			
LTN	ECNO	APPROVED	DATE

COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD			
TITLE: 63_RF_DPX0			
CODE: D120	SIZE: D	DRAWINGNO: D120	REV: V0.10
SCALE: 90 26		SHEET: 90 26	

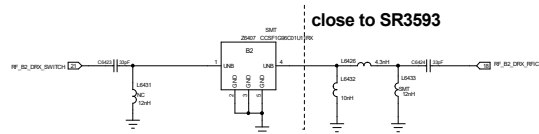
SWITCH



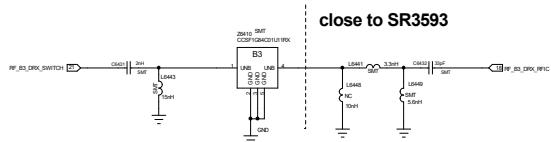
B1/B4/B66 DRX



B2 DRX

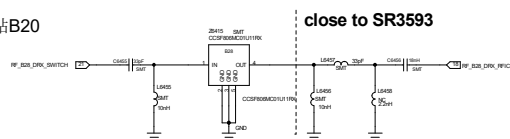


B3 DRX

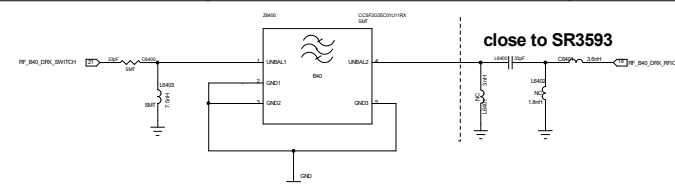


B28 DRX

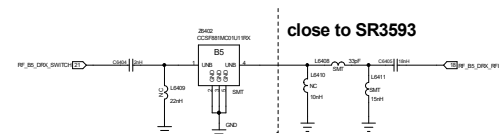
该位置改为贴B20



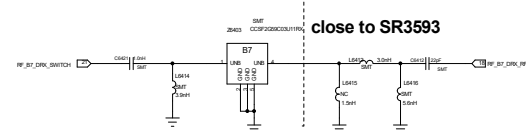
B40 DRX



B5 DRX

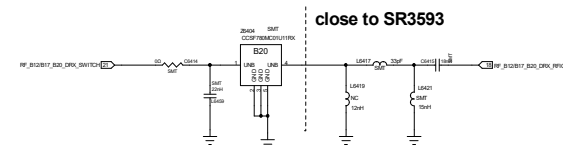


B7 DRX

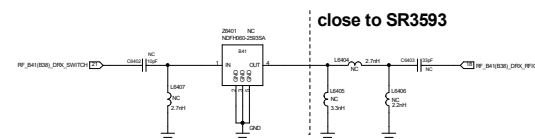


B12/B17_B20 DRX

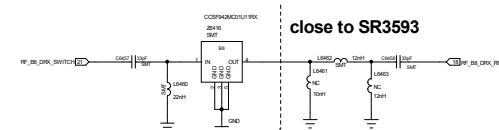
该位置改为贴B28



B41(B38) DRX



B8 DRX



REVISION RECORD			
LTR	ECO NO	APPROVED	DATE

		COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD			
		TITLE: 64_RF_DIV_RX			
DESIGNER	DATE				
Yang Yi	2022.07.20				
CHECKED	DATE				
QUALITY CONTROL	DATE				
RELEASED	DATE				
		CODE	SIZE	DRAWING NO.	REV.
		D120	D	D120	V0.10
		SCALE:			SHEET 01 OF 26

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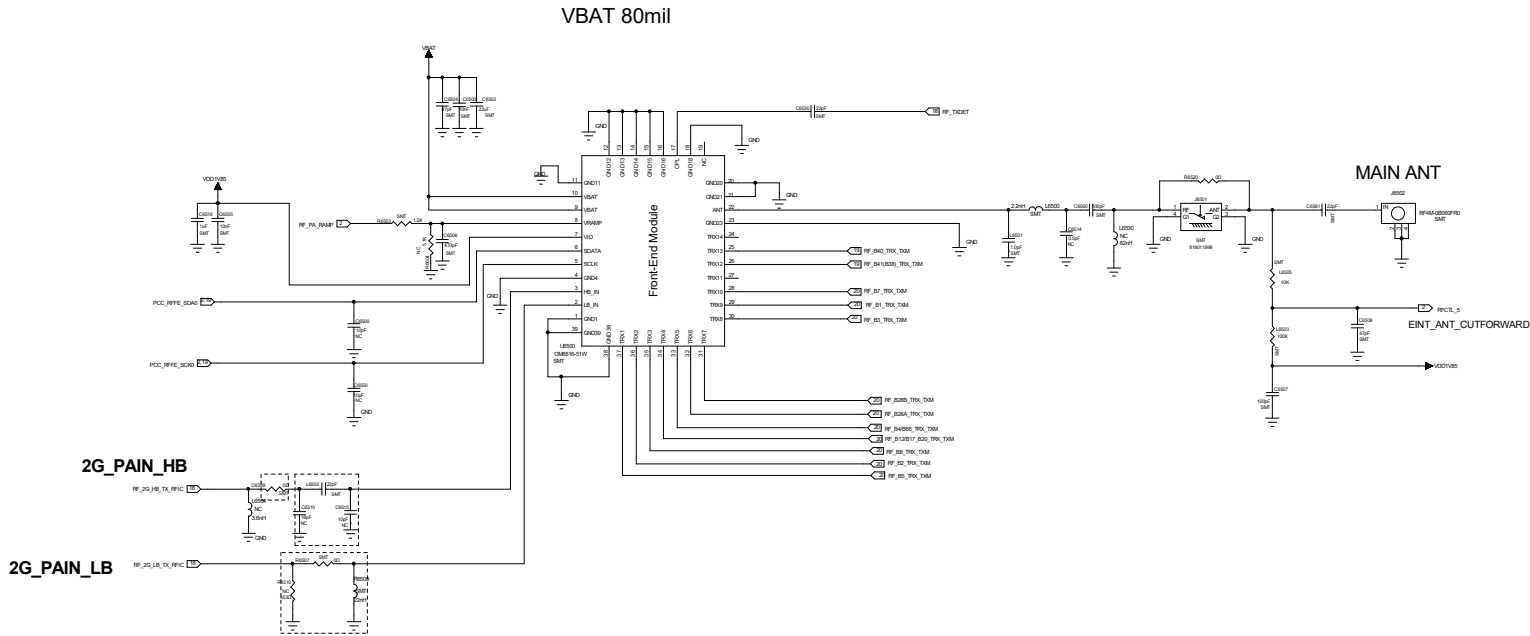
3

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REVISION RECORD			
LTR	ECO/NO	APPROVED	DATE

RF_SW

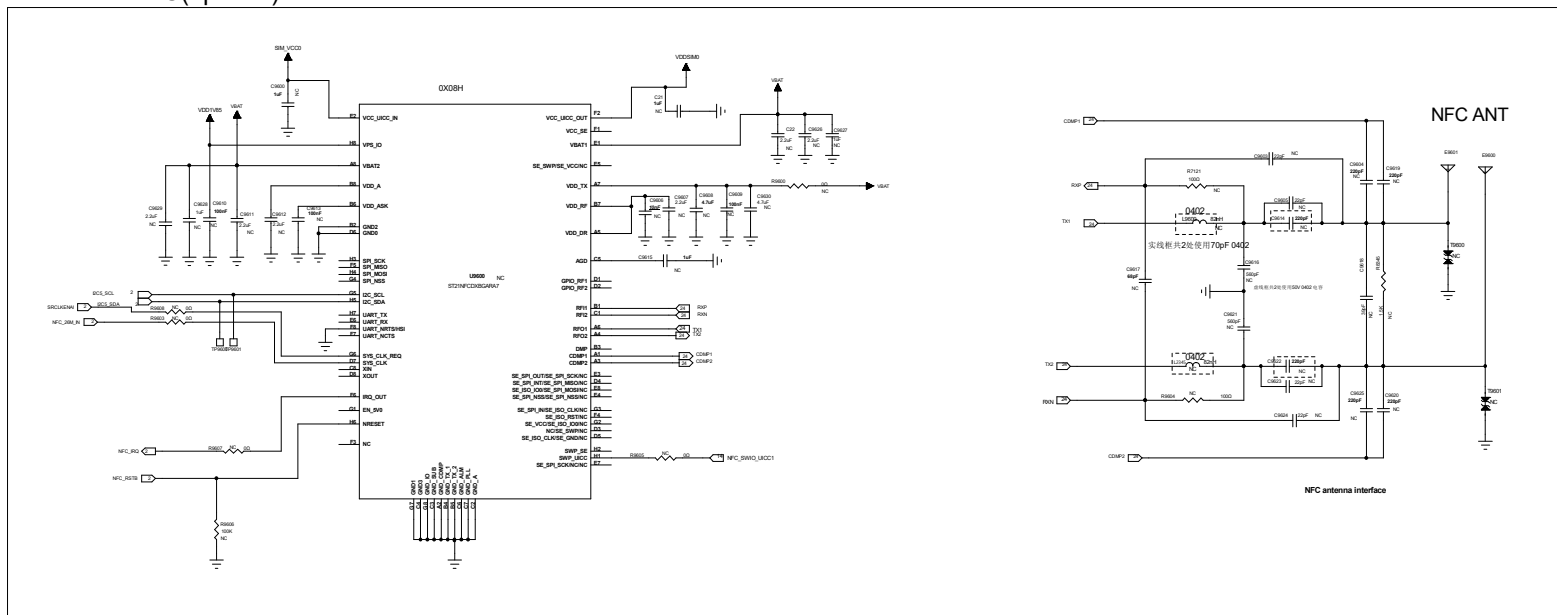


COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD			
TITLE: 65_RF_SW			
CODE	SIZE	DRAWING NO	REV
D120	D	D120	V0.10
SCALE		SHEET 02 26	

REVISION RECORDED			
LTR	ECO/NO	APPROVED	DATE

1: Change D402 to 0402, from 402 to 0402, to 0402 to 0402, 0402 to 0402

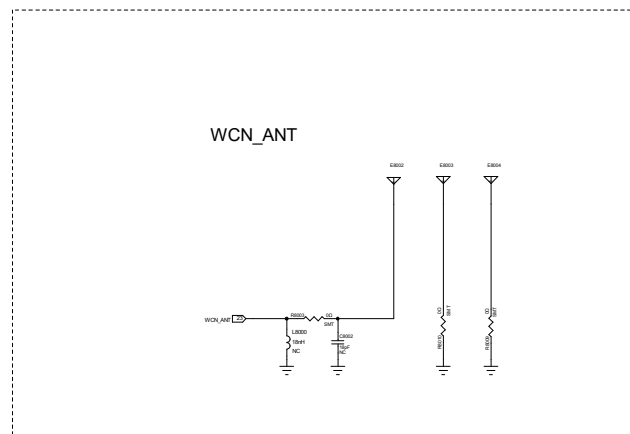
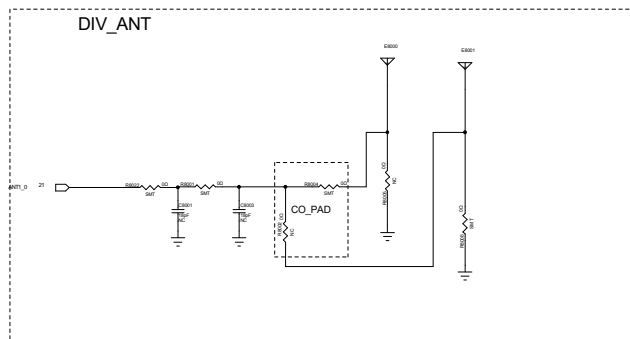
NFC(options)



COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD			
TITLE: CHANGELIST			
DESIGN: Yang Y1	DATED: 2022.07.20	CODE: D120	SIZE: D
CHECKED:	DATED:	DRAWINGNO: D120	REV: V0.10
QUALITY CONTROL:	DATED:	SCALE:	SHEET: 04 26
RELEASED:	DATED:		

REVISION RECORD			
LTR	ECNO	APPROVED	DATE

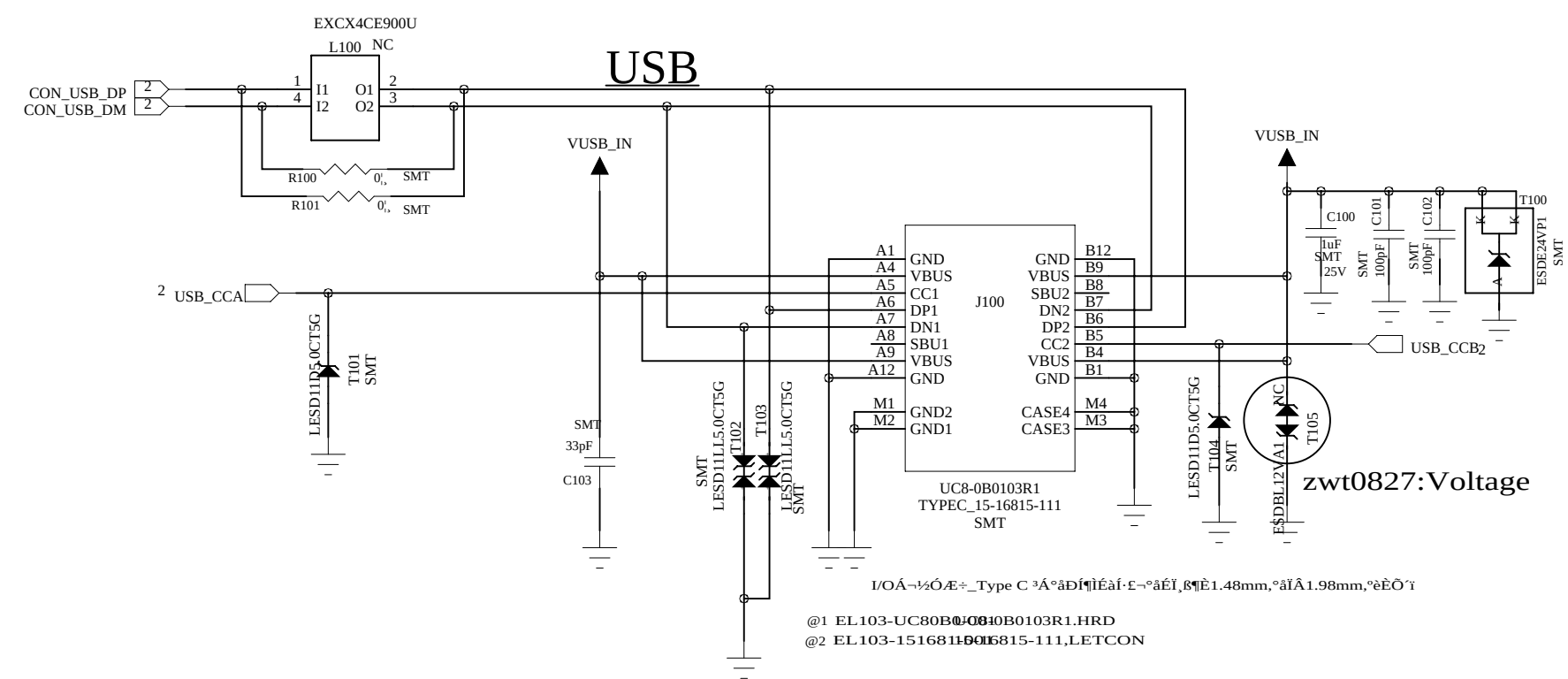
change E8000-E8004, from K2N-A1000010B-0100 to K2N-A1000010B-0300



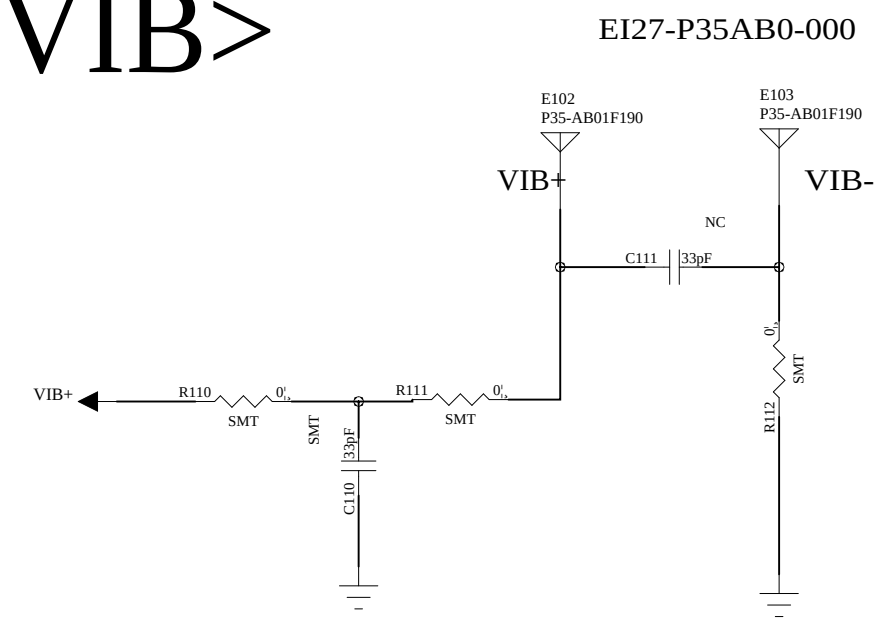
COMPANY: TINNO MOBILE TECHNOLOGY CO.LTD				
TITLE: 80_ANT				
CODE: D120	SIZE: D	DRAWING NO: D120	REV: V0.10	
SCALE:			SHEET: 05	26

DRAWN: Yang.Yi	DATED: 2022.07.20
CHECKED:	DATED:
QUALITY CONTROL:	DATED:
RELEASED:	DATED:

<USB>



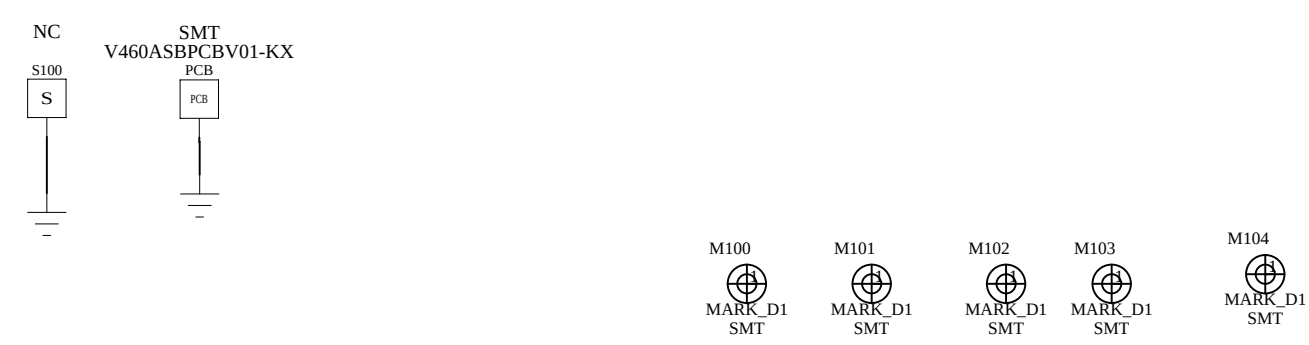
<VIB>



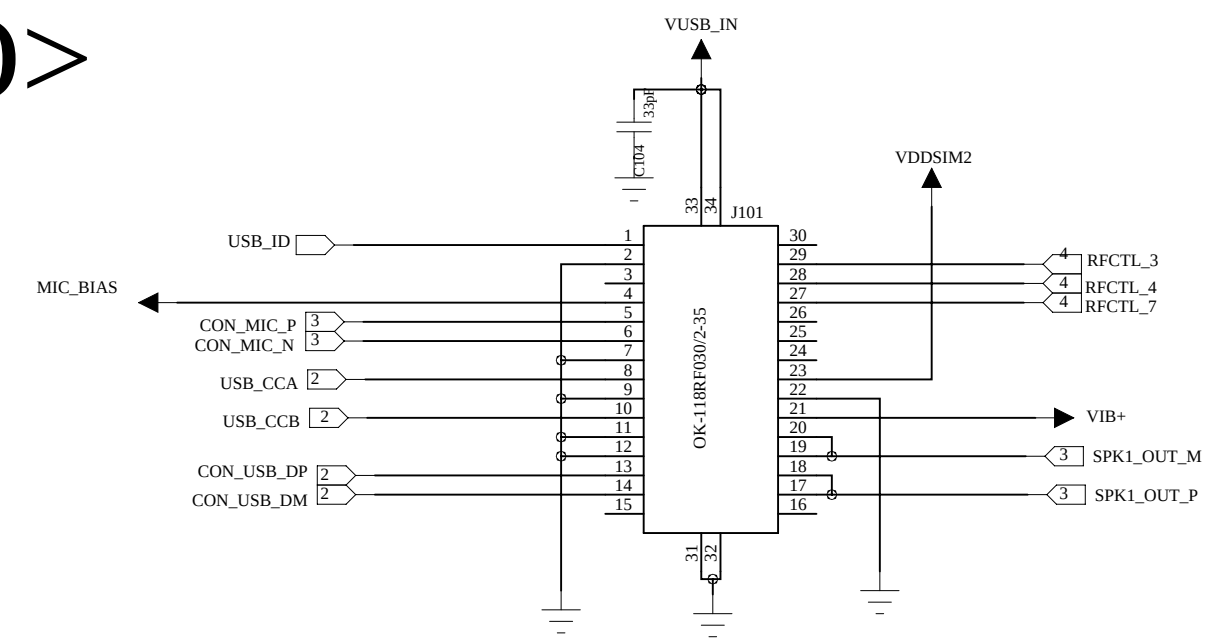
TOP: GND *1EI27-P83AB0-000
P83-AB01A160,HRD
GND *1 EI27-KENA11-001
KSN-A11000103R-0100

Bottom:

<MARK>



<IO>



BOTTOM

COMPANY: TINNO MOBILE TECHNOLOGY CO.,LTD			
TITLE:			
DRAWN: hongxuan.wei	DATED: 20220413	CODE: V5000A	
CHECKED: <Checked By>	DATED: <Checked Date>	SIZE: C	DRAWING NO: D221_SUB_P0_SCH
QUALITY CONTROL: <QC By>	DATED: <QC Date>	REV: V0.20	
RELEASED: <Released By>	DATED: <Release Date>	SHEET2 OF 4	

6

5

4

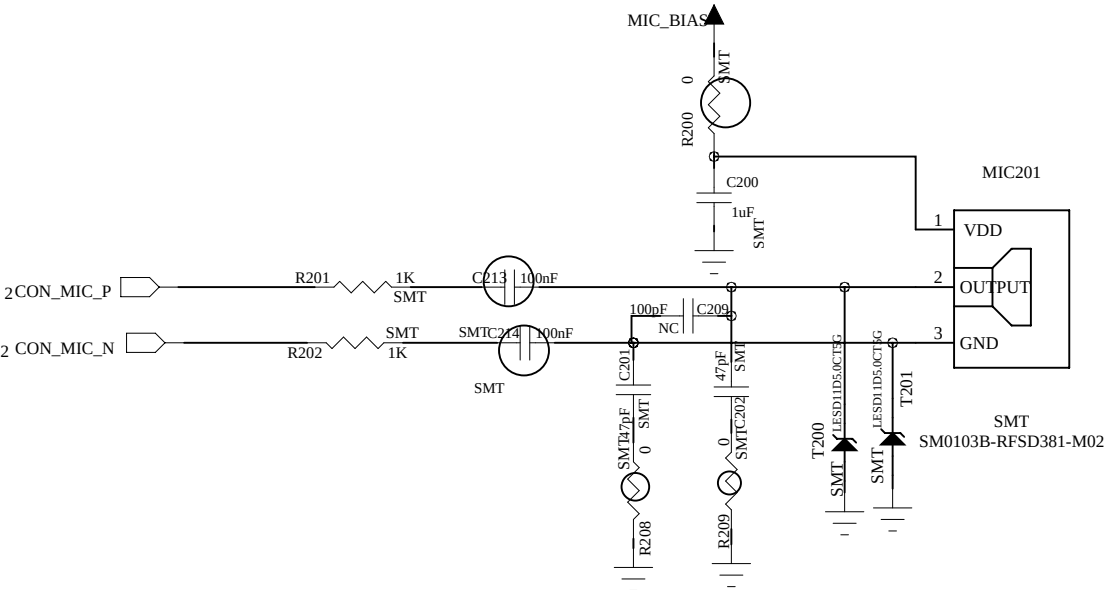
3

2

1

<Main MIC>

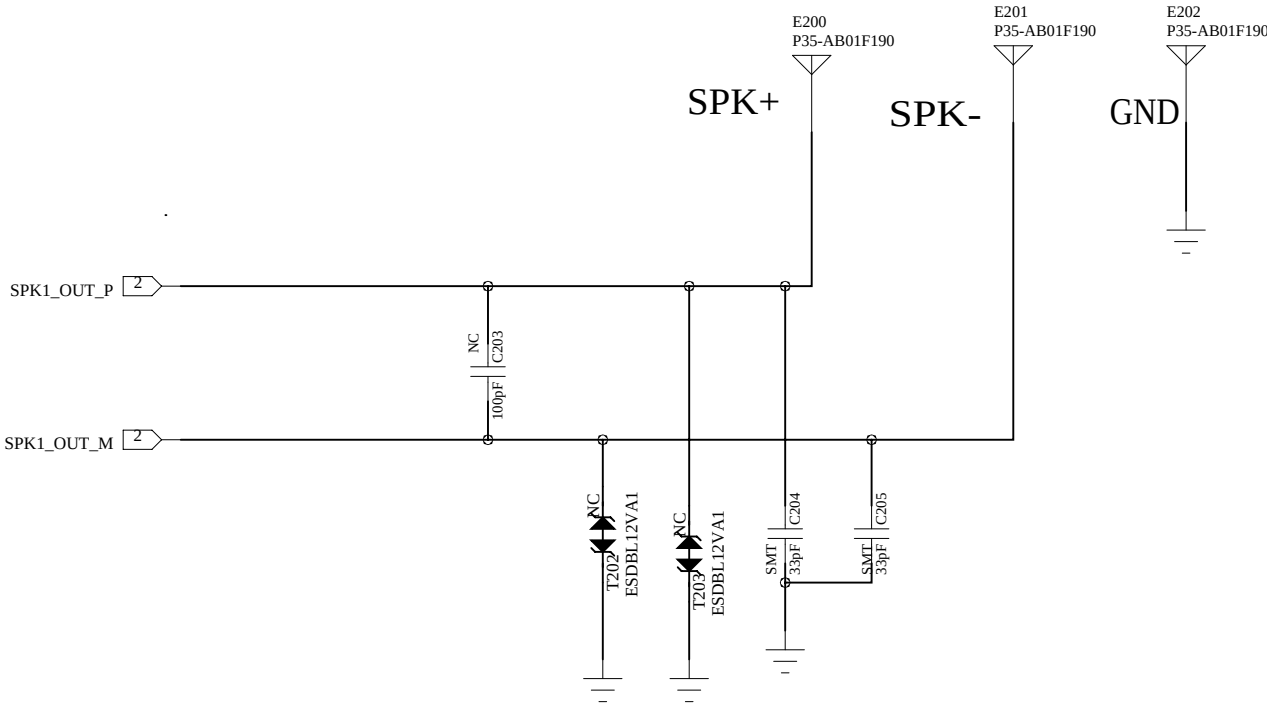
- 1.R200 change to 0201
- 2.R203 R204 change to C213 C214(100NF_0201)
- 3.del S201
- 4.add R208 R209



MEMSMIC2.75*1.85*0.9mm/-38dB/AAC_MOT
SM0103B-RFSD381-M02 ACC
N503-CDN000-000
1.Power 2.75V [1.6-3.6V]
2.Output Bottom
3,GND

<SPK>

EL27-P35AB0-000 *3 BOTTOM



COMPANY: TINNO MOBILE TECHNOLOGY CO.,LTD			
TITLE:			
CODE:	SIZE:	DRAWING NO:	REV:
V5000A	C	D221_SUB_P0_SCH	V0.20
SCALE: <Scale>			SHEET3 OF 4

DRAWN: hongxuan.wei	DATED: 20220413
CHECKED: <Checked By>	DATED: <Checked Date>
QUALITY CONTROL: <QC By>	DATED: <QC Date>
RELEASED: <Released By>	DATED: <Release Date>

6

5

4

3

2

1

REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

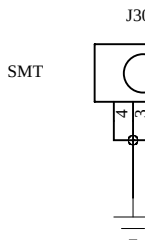
<RF ANTENNA>

Main ANT

EI27-P35AB0-000 *4 Bottom

E300
P35-AB01F190

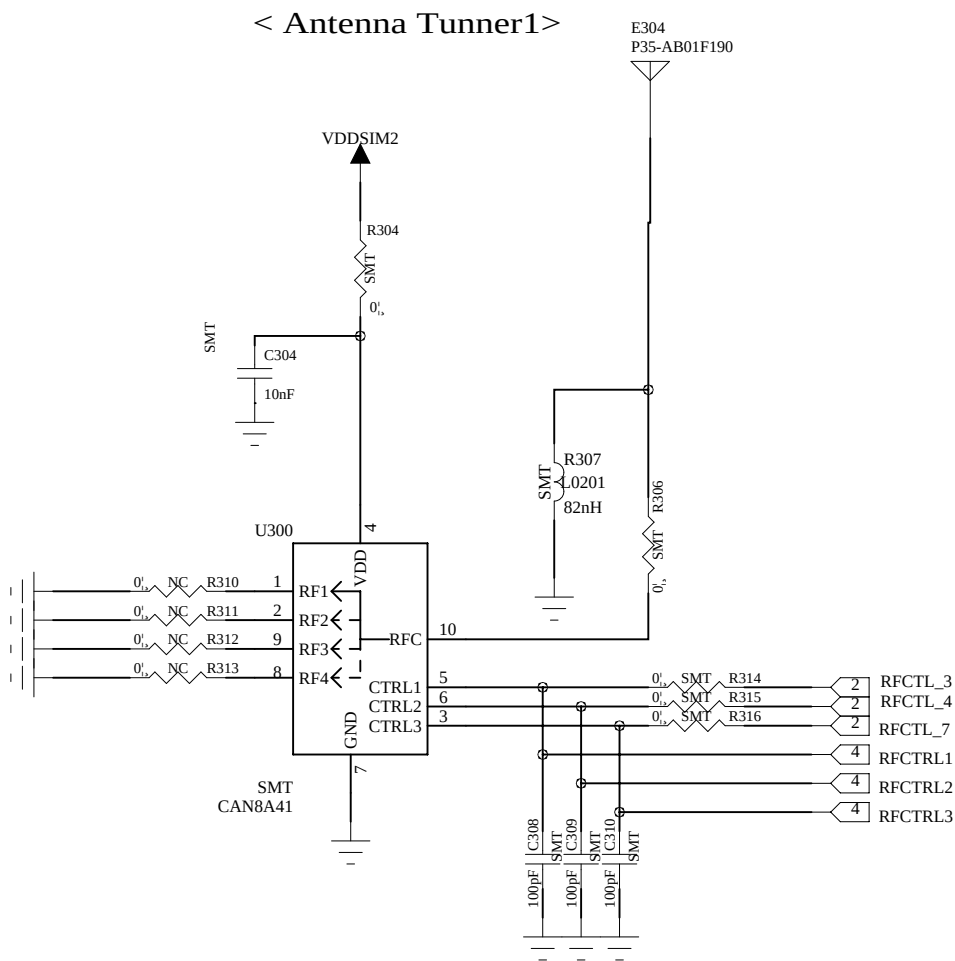
RF ANTENNA



Bottom

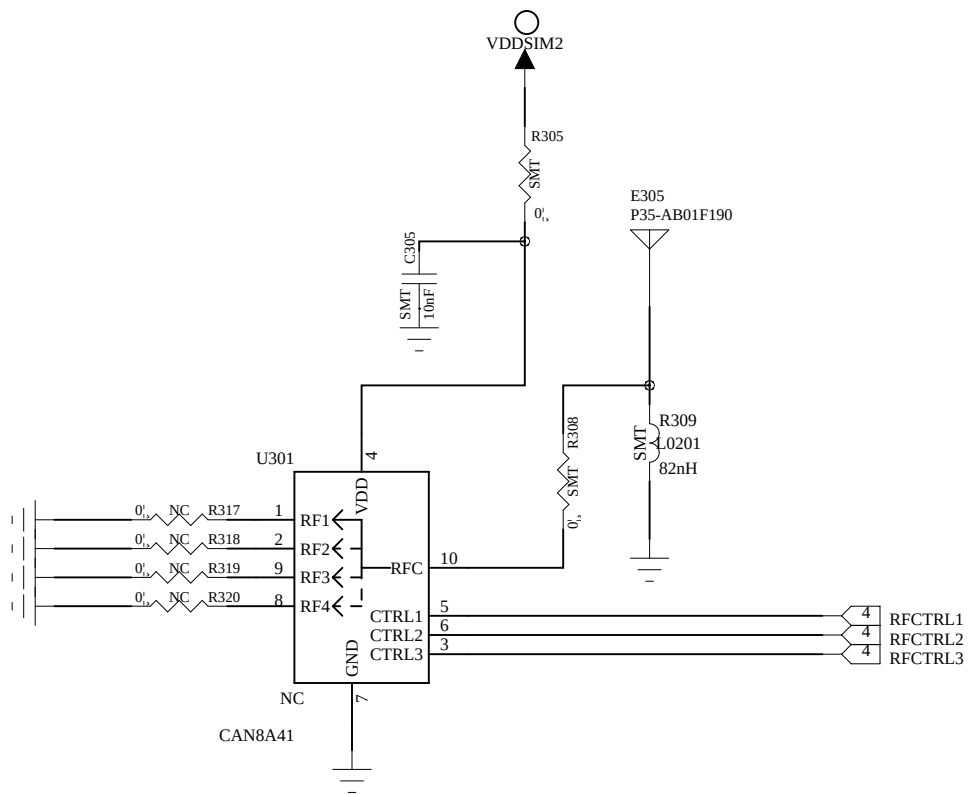
< Antenna Tunner1>

Antenna Tunner1



< Antenna Tunner2>

Antenna Tunner2



COMPANY: TINNO MOBILE TECHNOLOGY CO.,LTD

TITLE:

DRAWN:
hongxuan.wei

DATED:
20220413

CHECKED:
<Checked By>

DATED:
<Checked Date>

QUALITY CONTROL:
<QC By>

DATED:
<QC Date>

RELEASED:
<Released By>

DATED:
<Release Date>

CODE:

SIZE:

DRAWING NO:

REV:

V5000A

C

D221_SUB_P0_SCH

V0.20

SCALE: <Scale>

SHEET4 OF 4