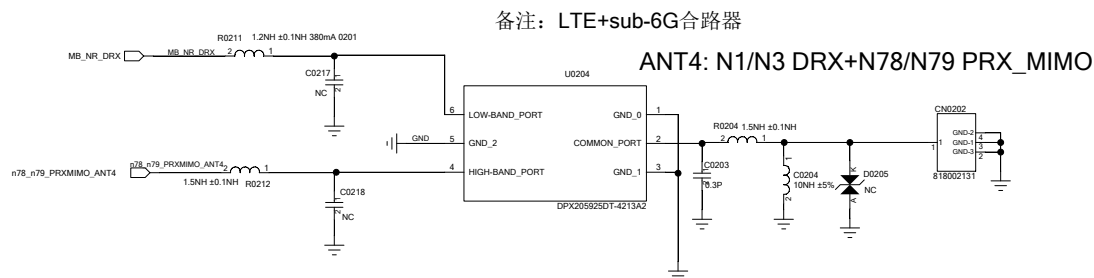
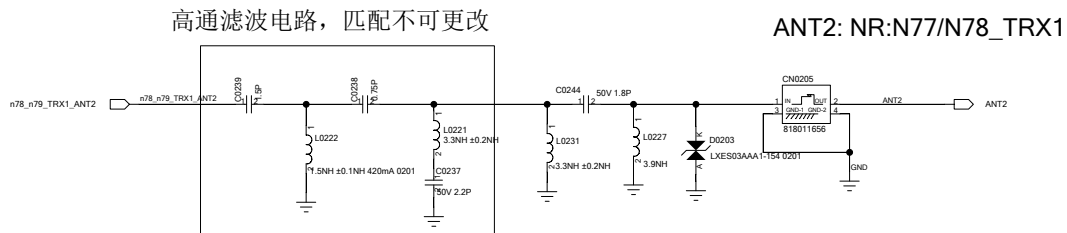
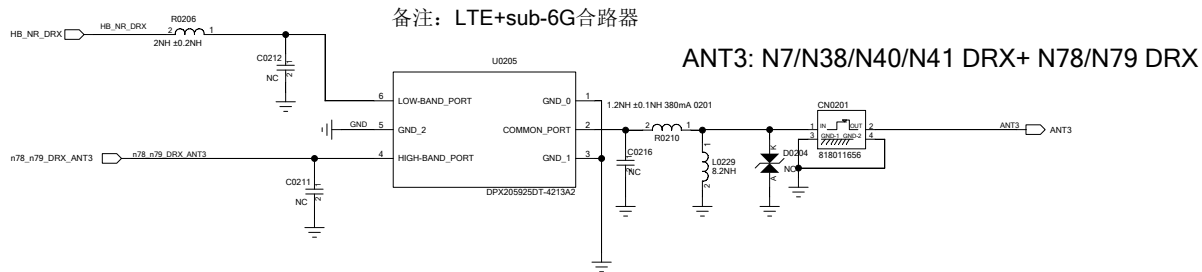
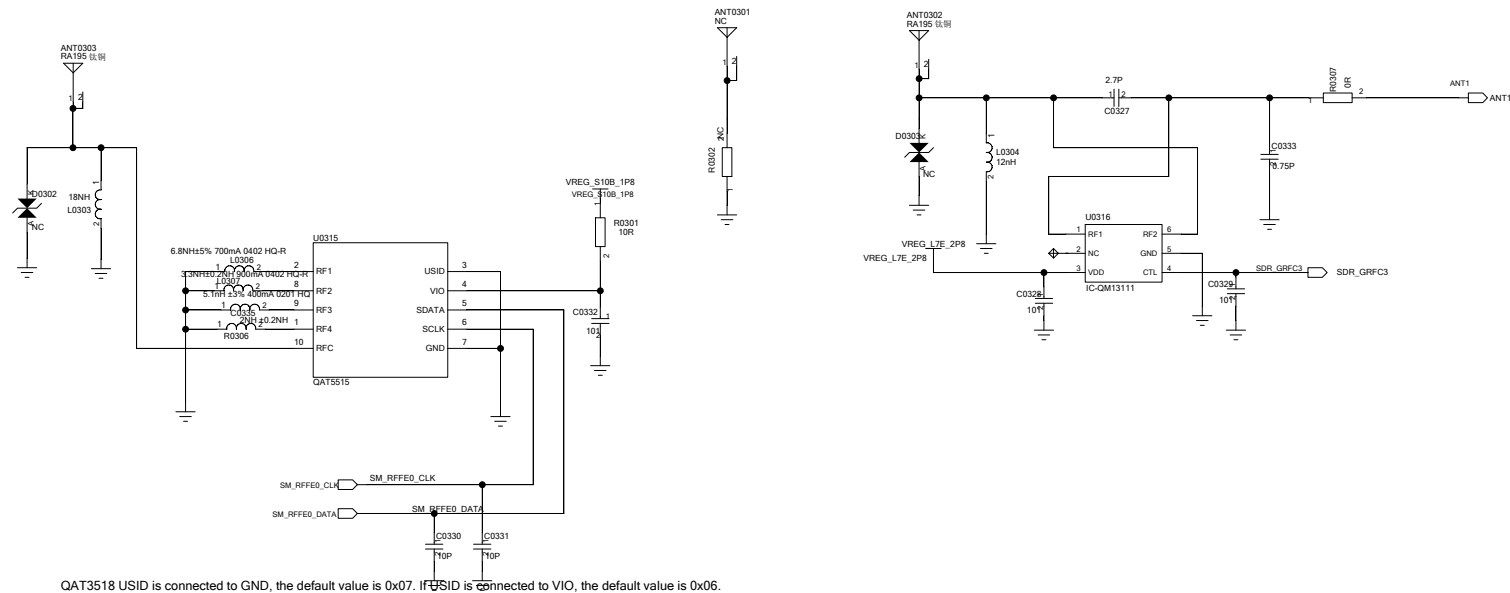


Sign		Date	Type	
Drawn By			Draw No:	Schematic
Checked By			Sheet	of 83 Ver:
Standard By				
Approved By				

realme



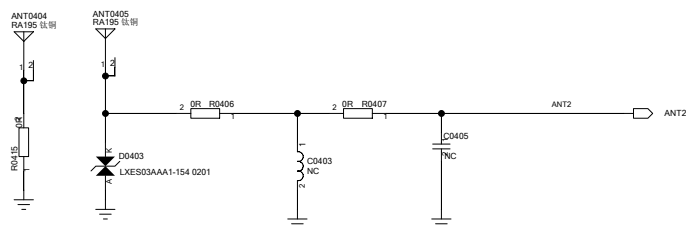
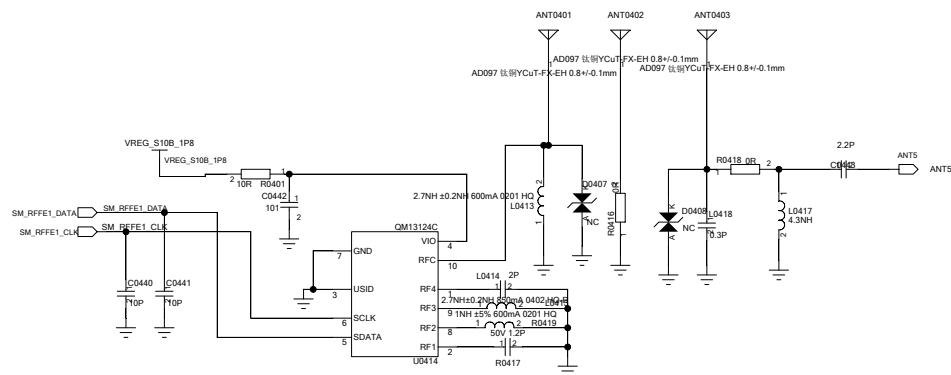
ANT1 LMHB DRX +N28DRX+N1/3/7/40/41DRX MIMO 上天线



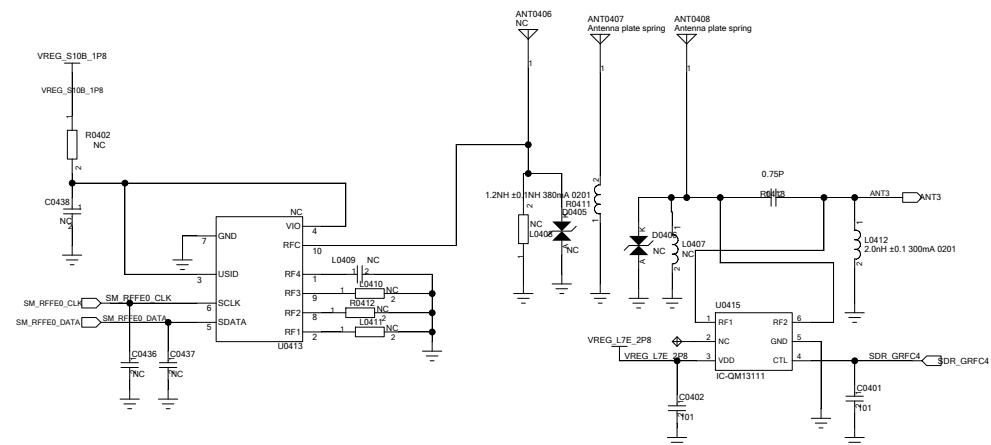
Drawn By	Sign	Date	Type:
Checked By			Draw No: Schematic
Standard By			Sheet of 83 Ver:
Approved By			


realme

Ant2 N78/N79 PRX



Ant3 N7/N38/N40/N41 DRX+N78/N79 DRX



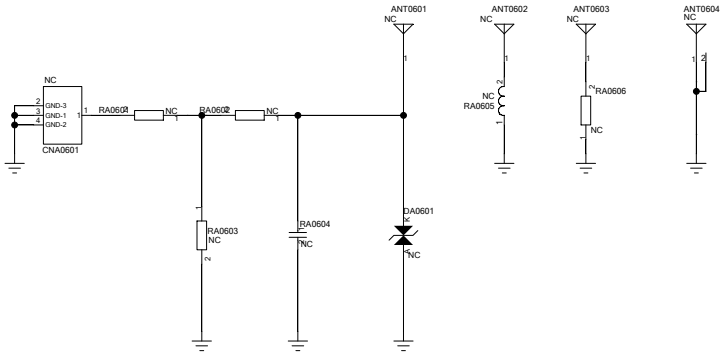
	Sign	Date	Type:	
Drawn By			Draw No: Schematic	
Checked By			Sheet	of 83 Ver:
Standard By				
Approved By				

F

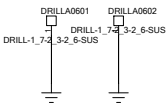


realme

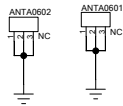
ANT4 B1/3 DRX MIMO+N78/79 MIMO



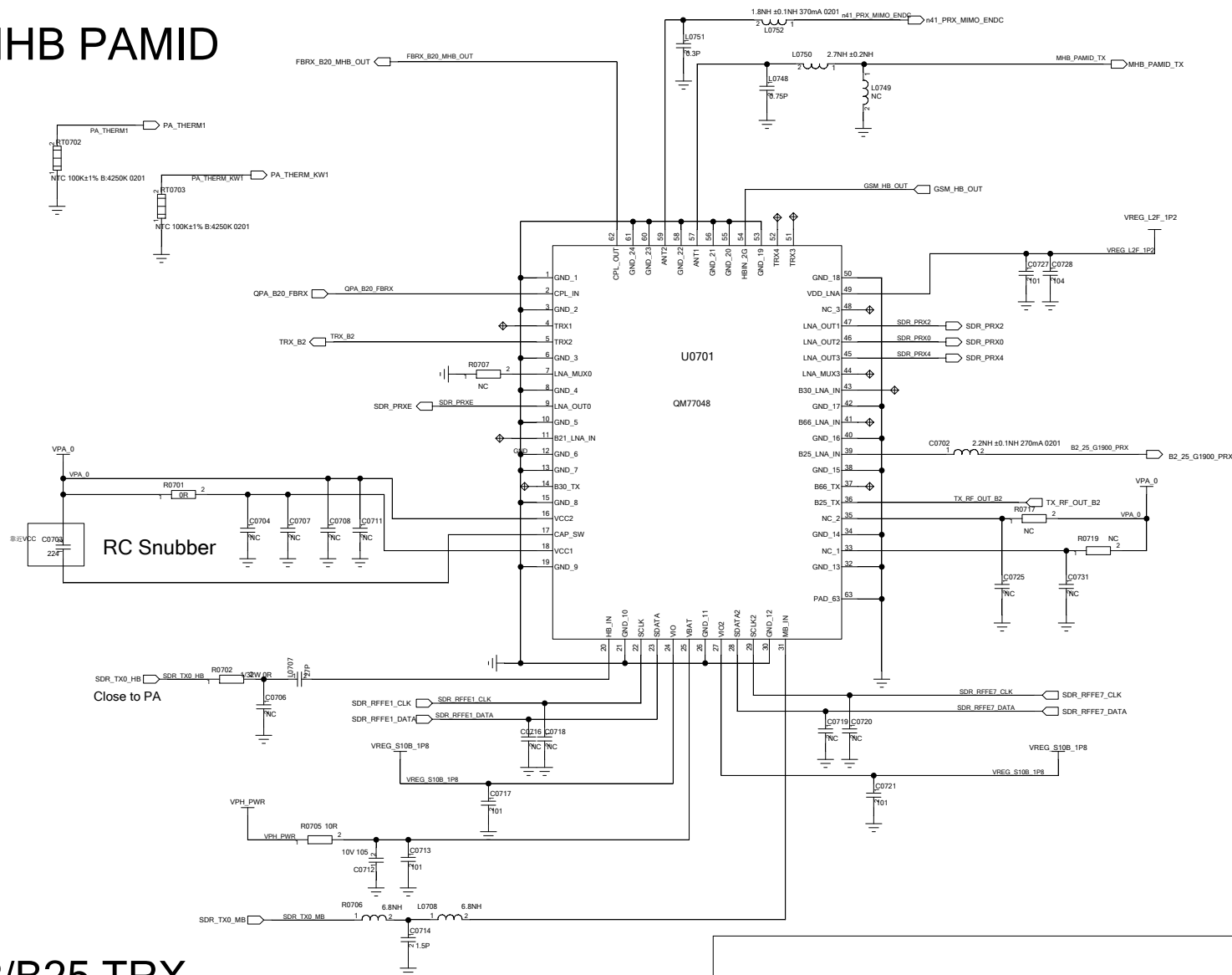
螺钉孔



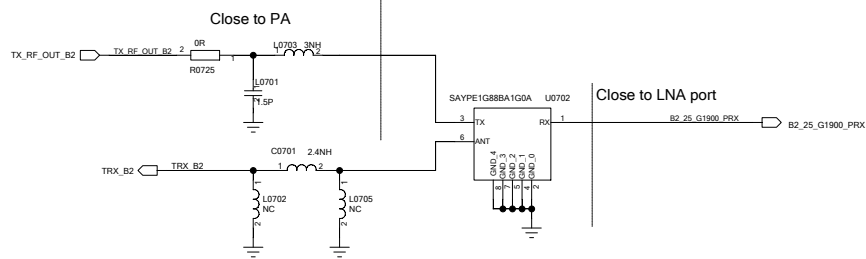
螺钉孔垫片




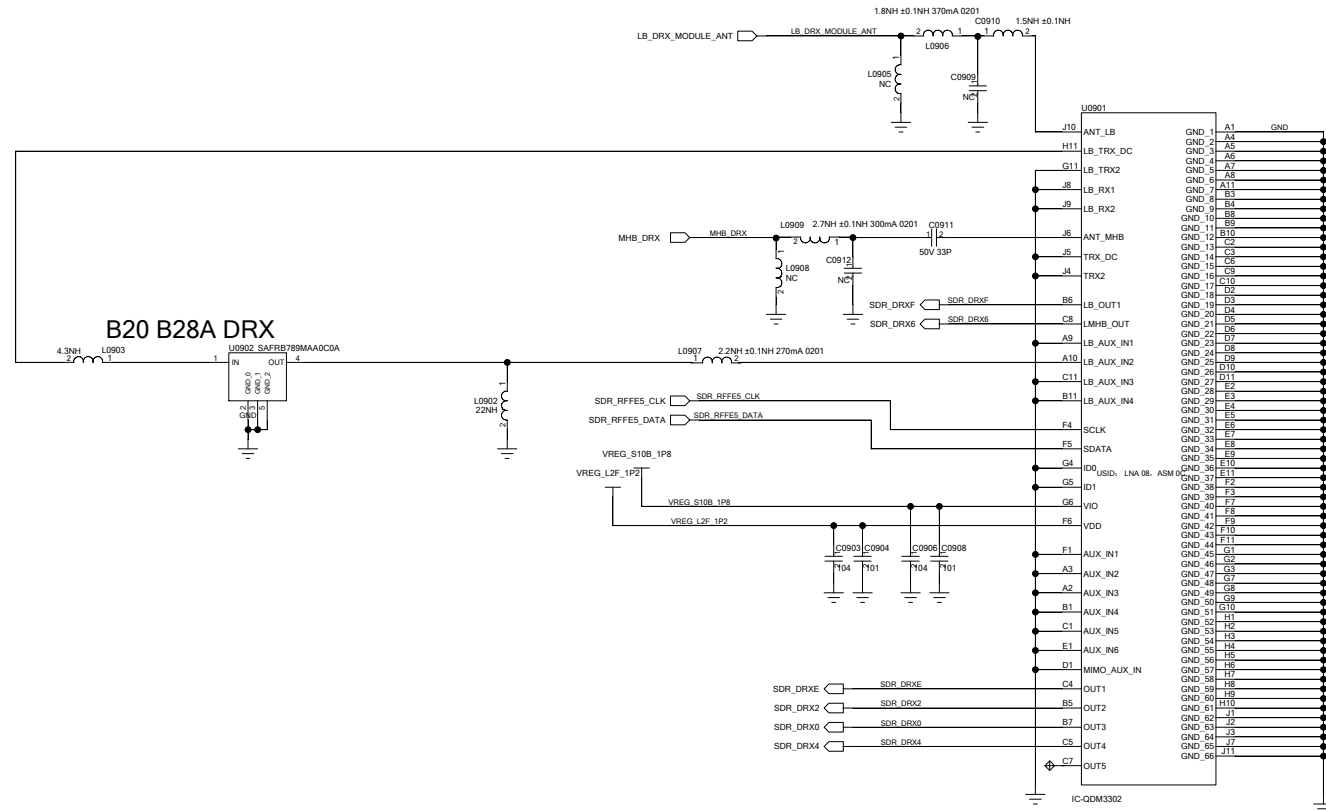
MHB PAMID



B2/B25 TRX



	Sign	Date	Type:	
Drawn By			Draw No:	Schematic
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Standard By				
Approved By				

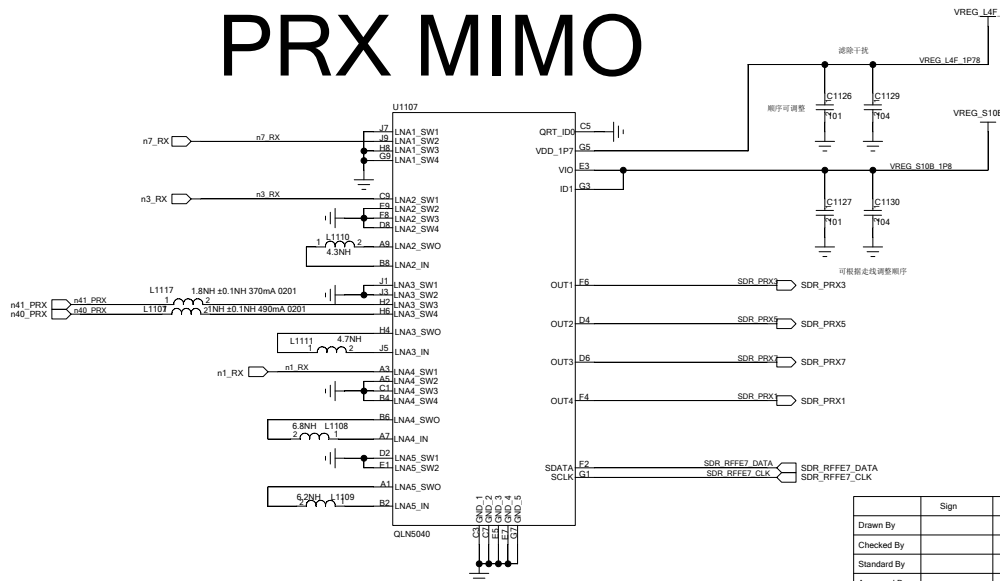


	Sign	Date	Type:
Drawn By			Draw No: Schematic
Checked By			Sheet of 83 Ver:
Standard By			
Approved By			

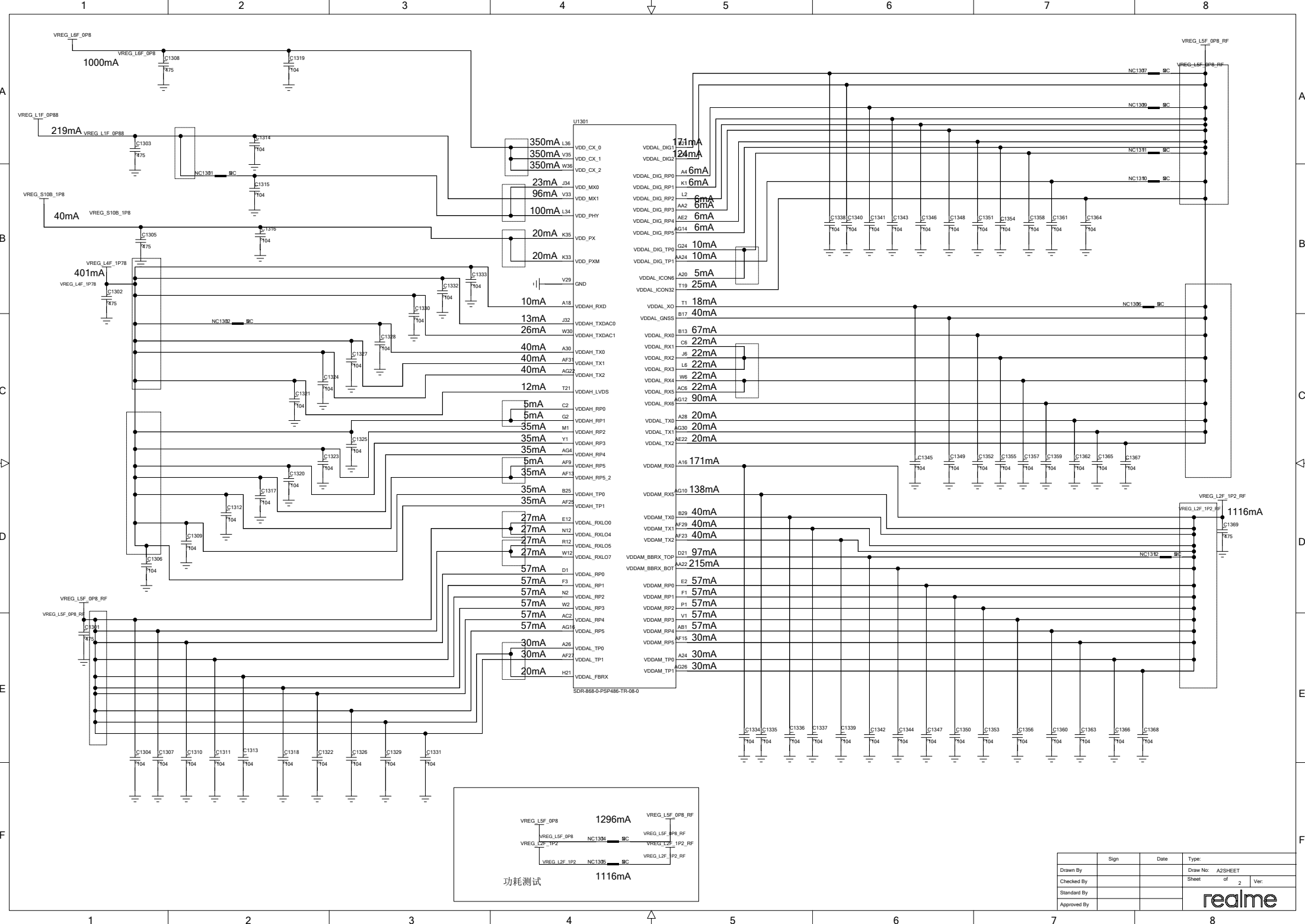
realme



PRX MIMO



realme



A

B

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E

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A

B

C

D

E

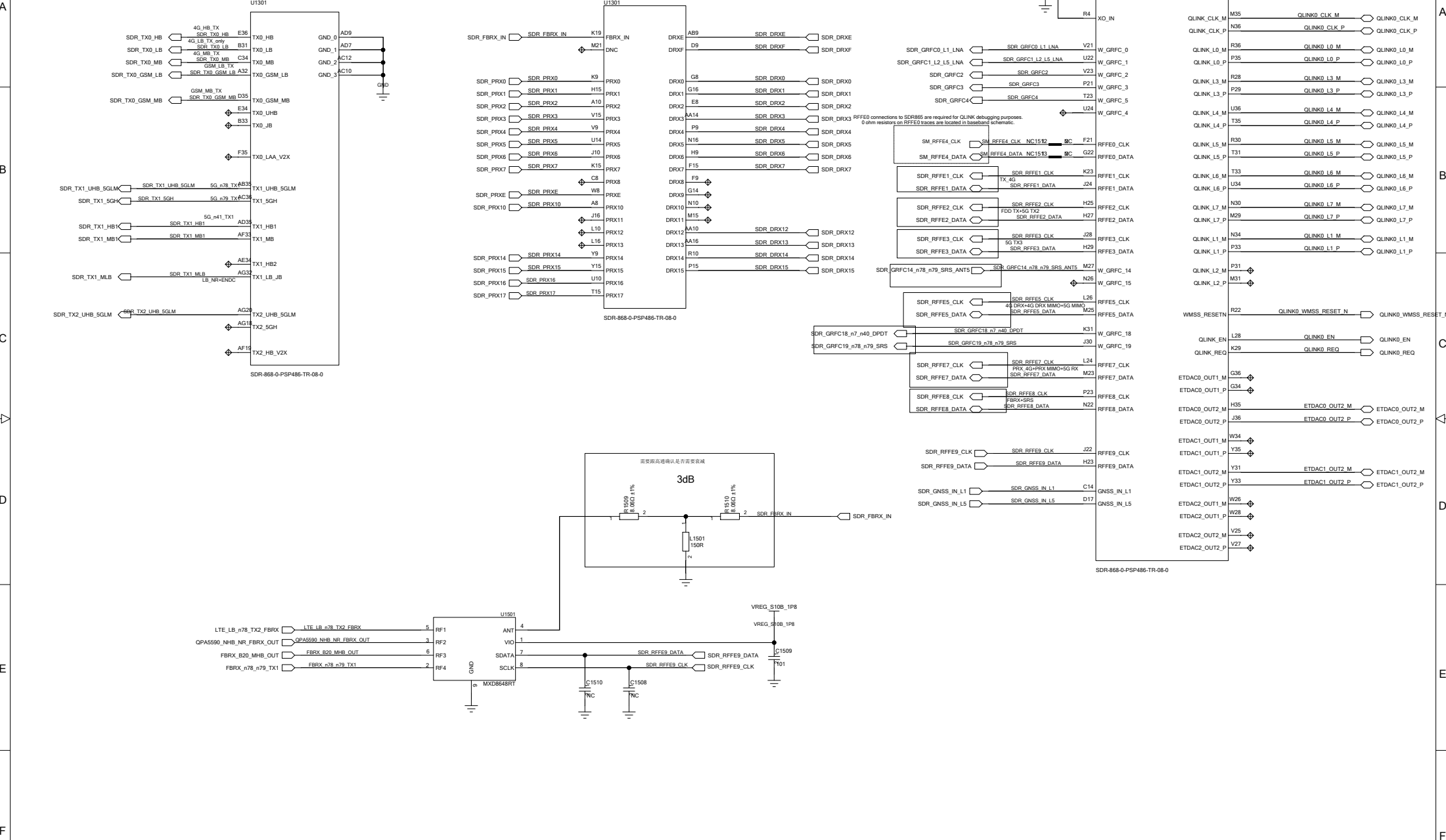
F

PDN Guidelines for LPDDR4X					
	Tolerance		DC R	AC Z@20MHz	De-cap. Combination
	(DC)	(AC+DC)			
VDDQ(0.6V)	±18mV	±30mV	<15mΩ	<38mΩ	Ch. A 2.2uF 1ea + 100nF 2ea Ch. B 2.2uF 1ea + 100nF 2ea
VDD2(1.1V)	±33mV	±55mV	<8mΩ	<38mΩ	Ch. A 8.7uF 1ea + 100nF 2ea Ch. B 8.7uF 1ea + 100nF 2ea
VDD(1.0.8V)	±35mV	±90mV	<40mΩ	<128mΩ	2.2uF + 100nF + 2

	Sign	Date	Type:	
Drawn By			Draw No:	Schematic
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Approved By				



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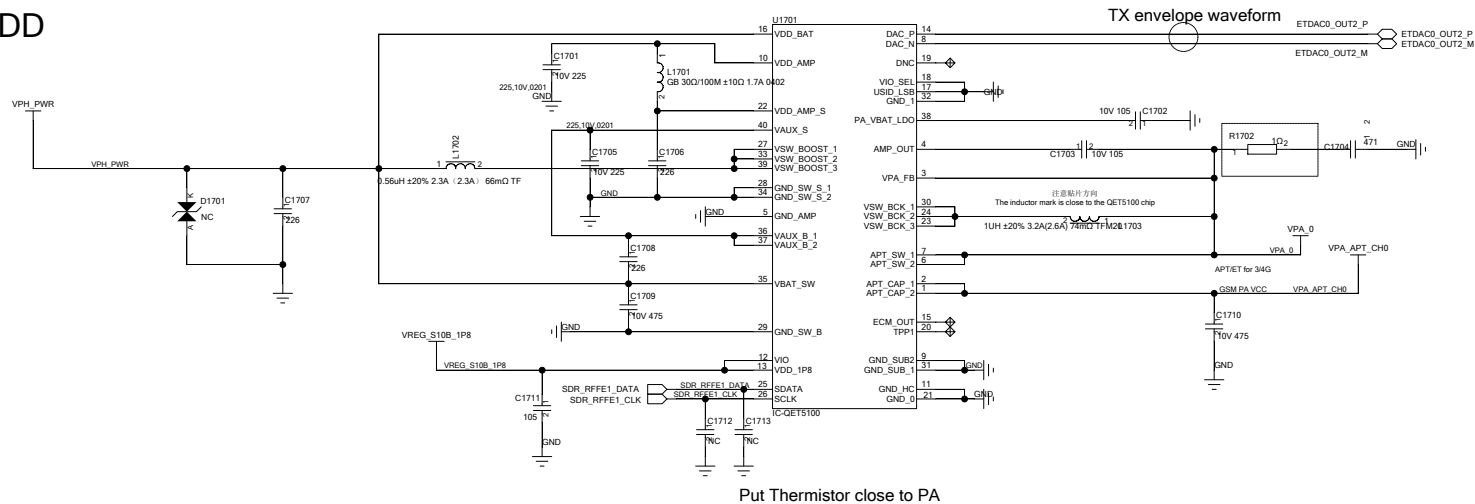


FBRX Switch

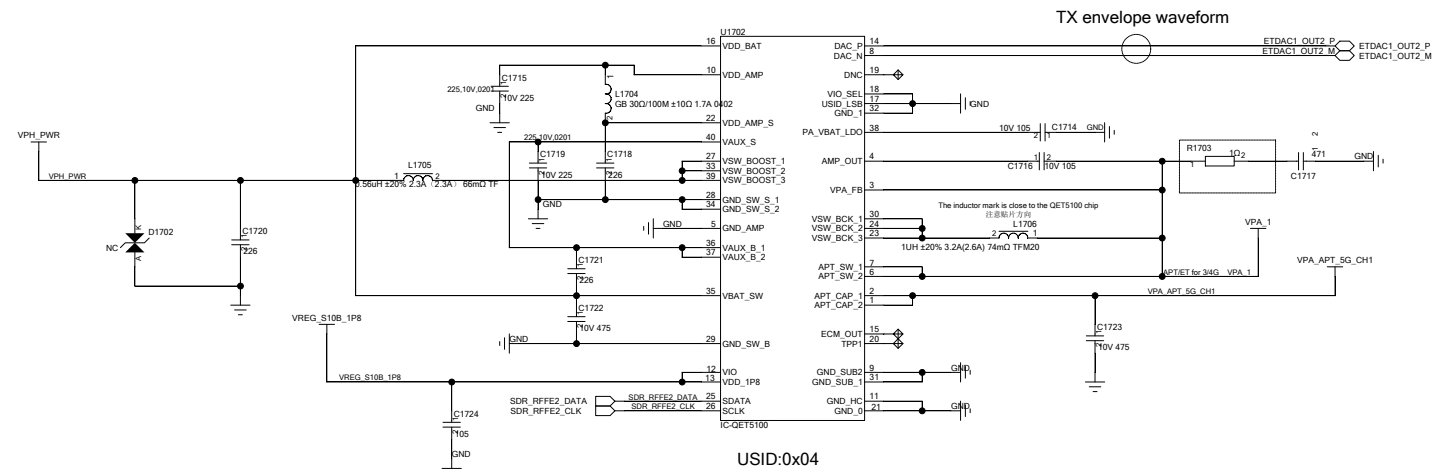
Sign		Date		Type	
Drawn By	Elys	2014/01/15		Draw No:	Schematic
Checked By				Sheet	of 83 Ver:
Standard By					
Approved By					

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4G+5G n78+5G FDD



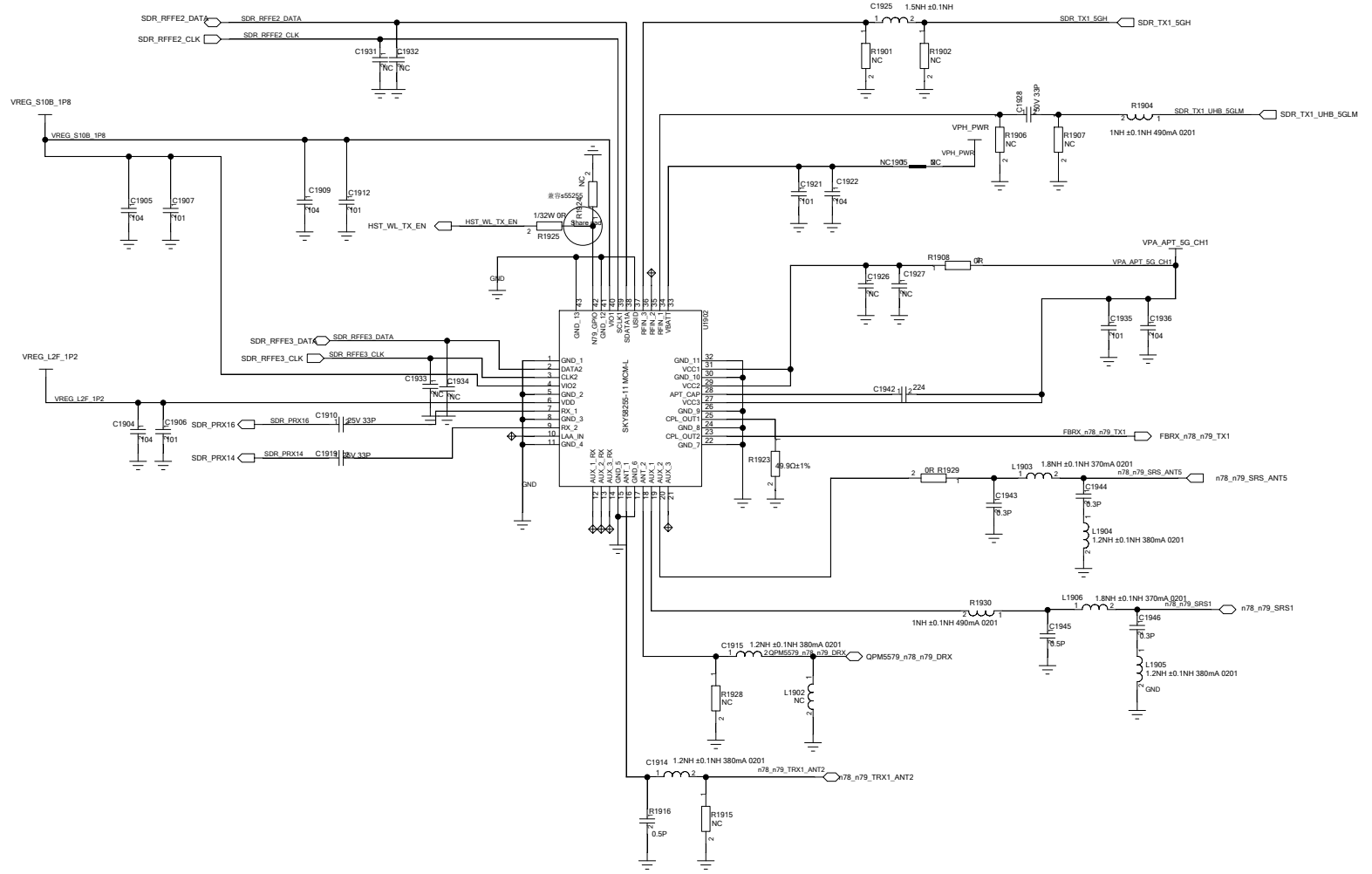
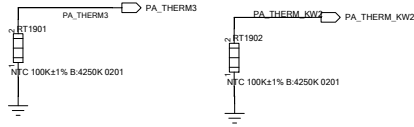
5G FDD+5G n78/79+4G



Drawn By	Sign	Date	Type
Checked By			Draw No: Schematic
Standard By			Sheet of 83 Ver:
Approved By			

realme

n78-n79_TX1

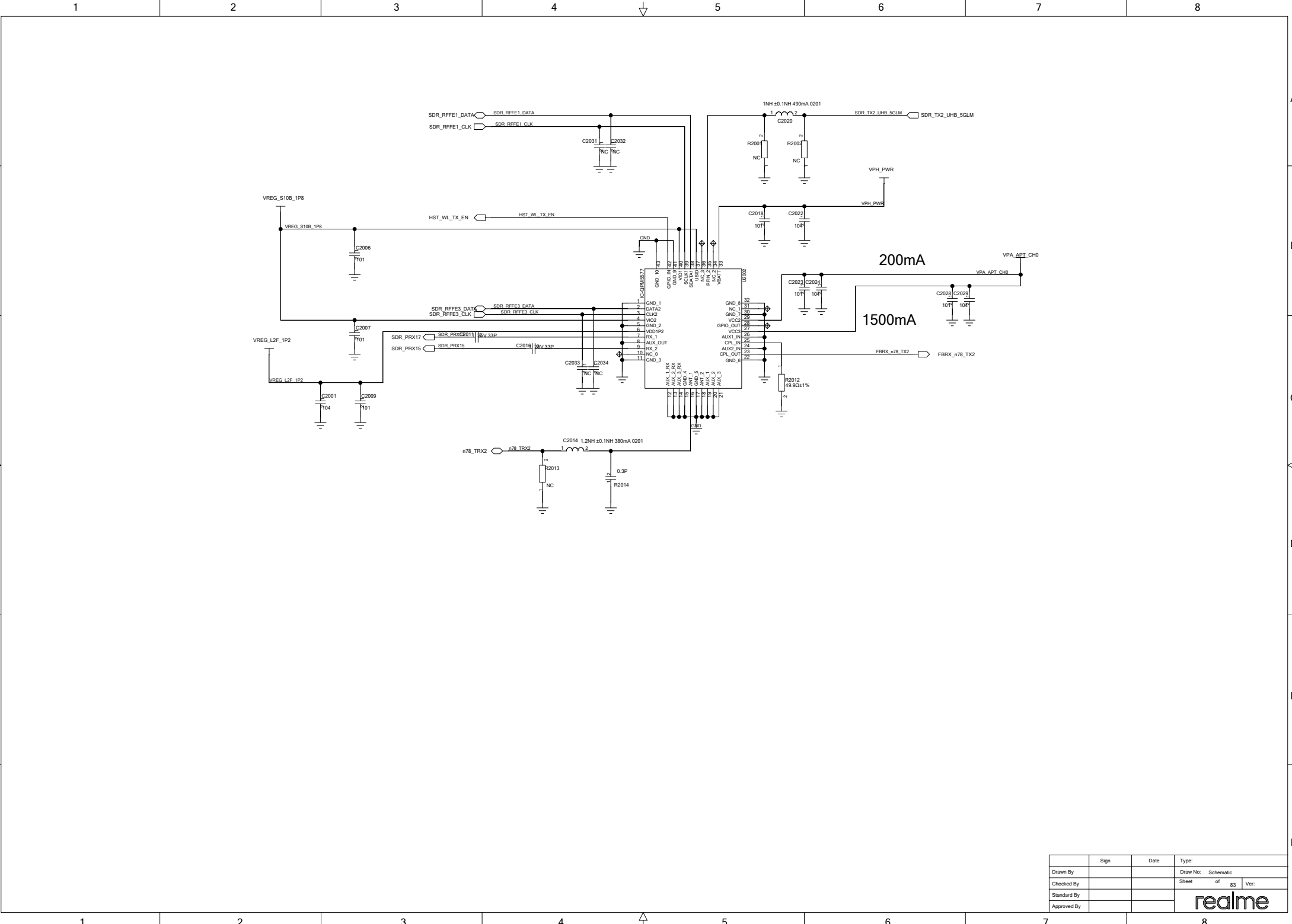


Drawn By	Sign	Date	Type:
Checked By			Draw No: Schematic
Standard By			Sheet of 83 Ver:
Approved By			

realme

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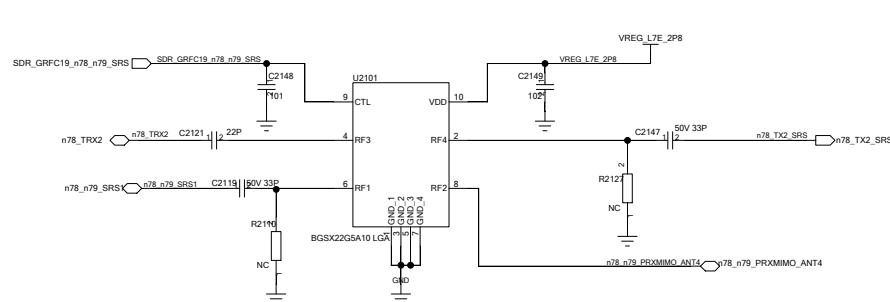
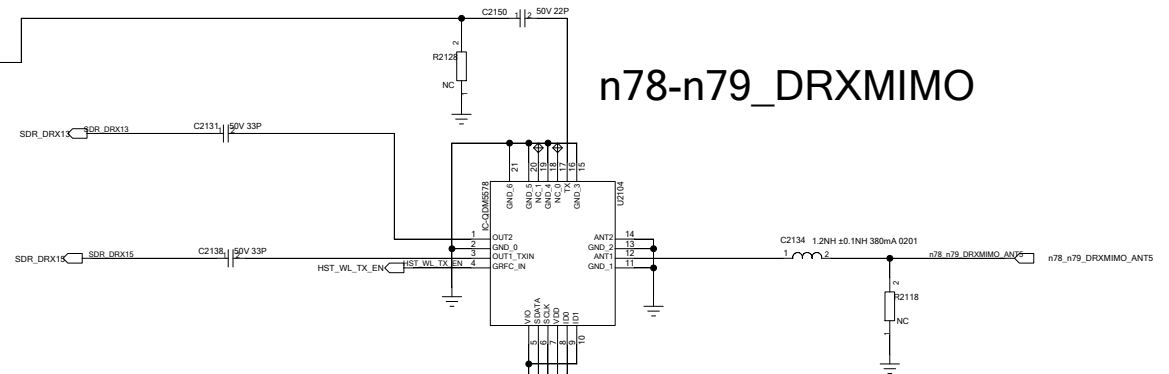
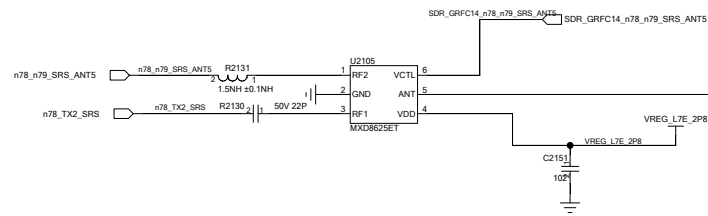
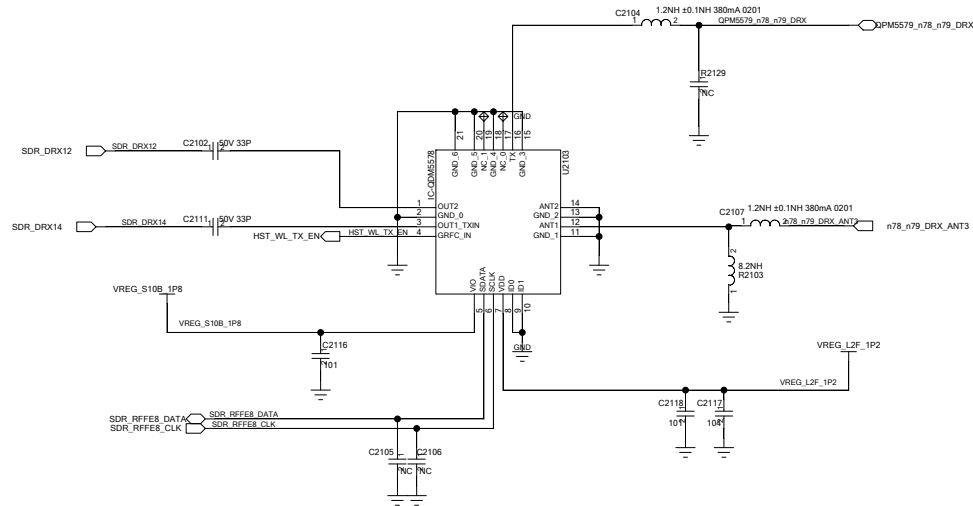
A
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	Sign	Date	Type:
Drawn By			Draw No: Schematic
Checked By			Sheet of 83 Ver:
Standard By			
Approved By			

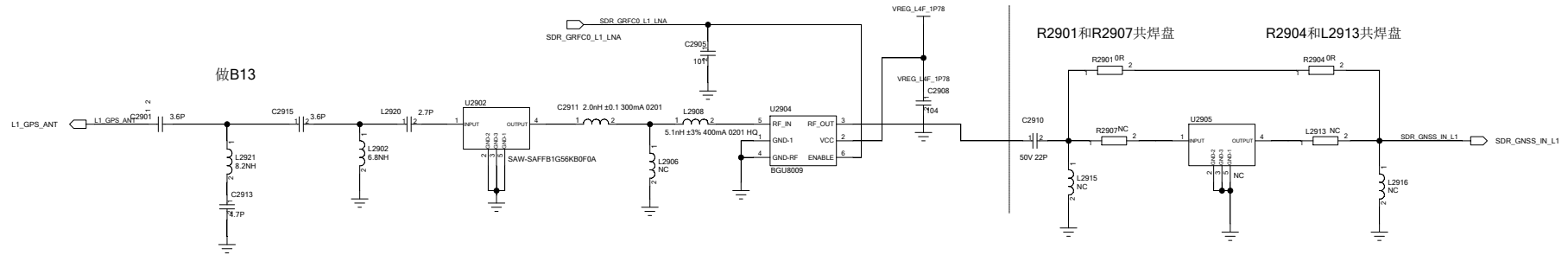
realme

n78-n79_DRX

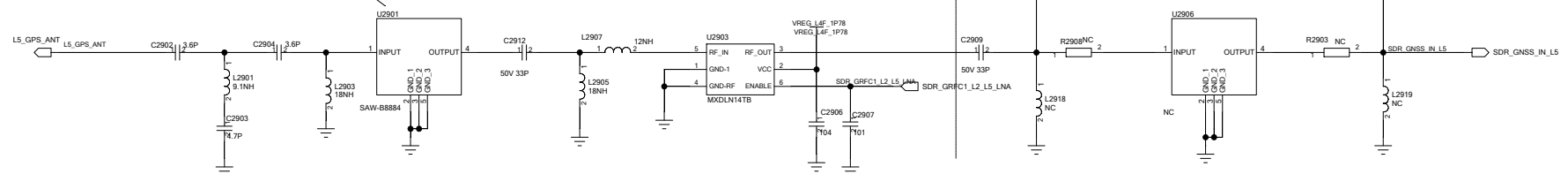



	Sign	Date	Type:	
Drawn By			Draw No: Schematic	
Checked By			Sheet of 83	Ver:
Standard By				
Approved By				

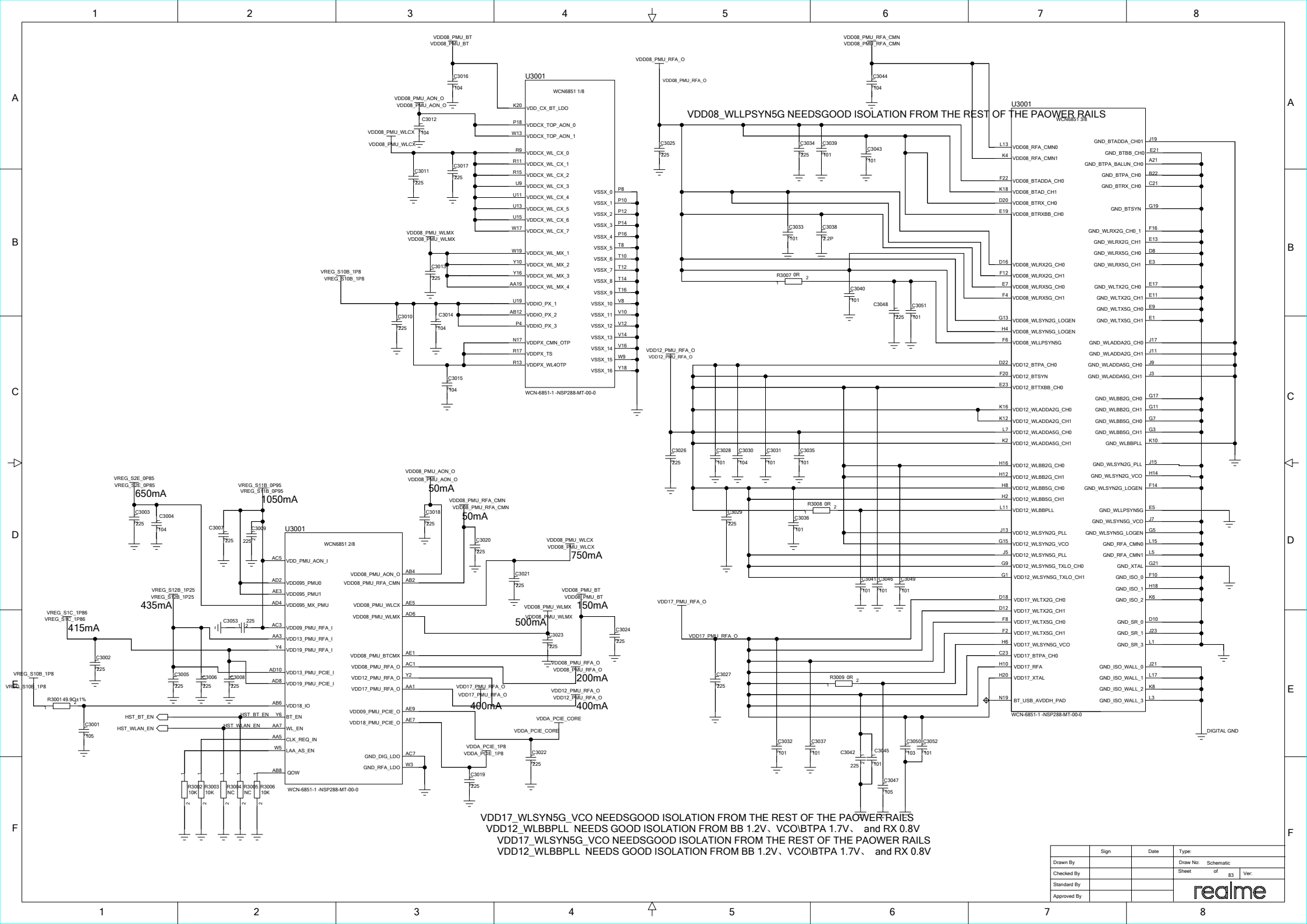
GPS L1 Band



GPS L2/L5 Bnad Conducted only



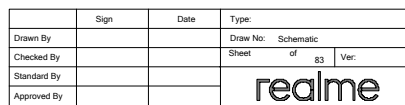
	Sign	Date	Type:
Drawn By			Draw No: Schematic
Checked By			Sheet of 83 Ver:
Standard By			
Approved By			

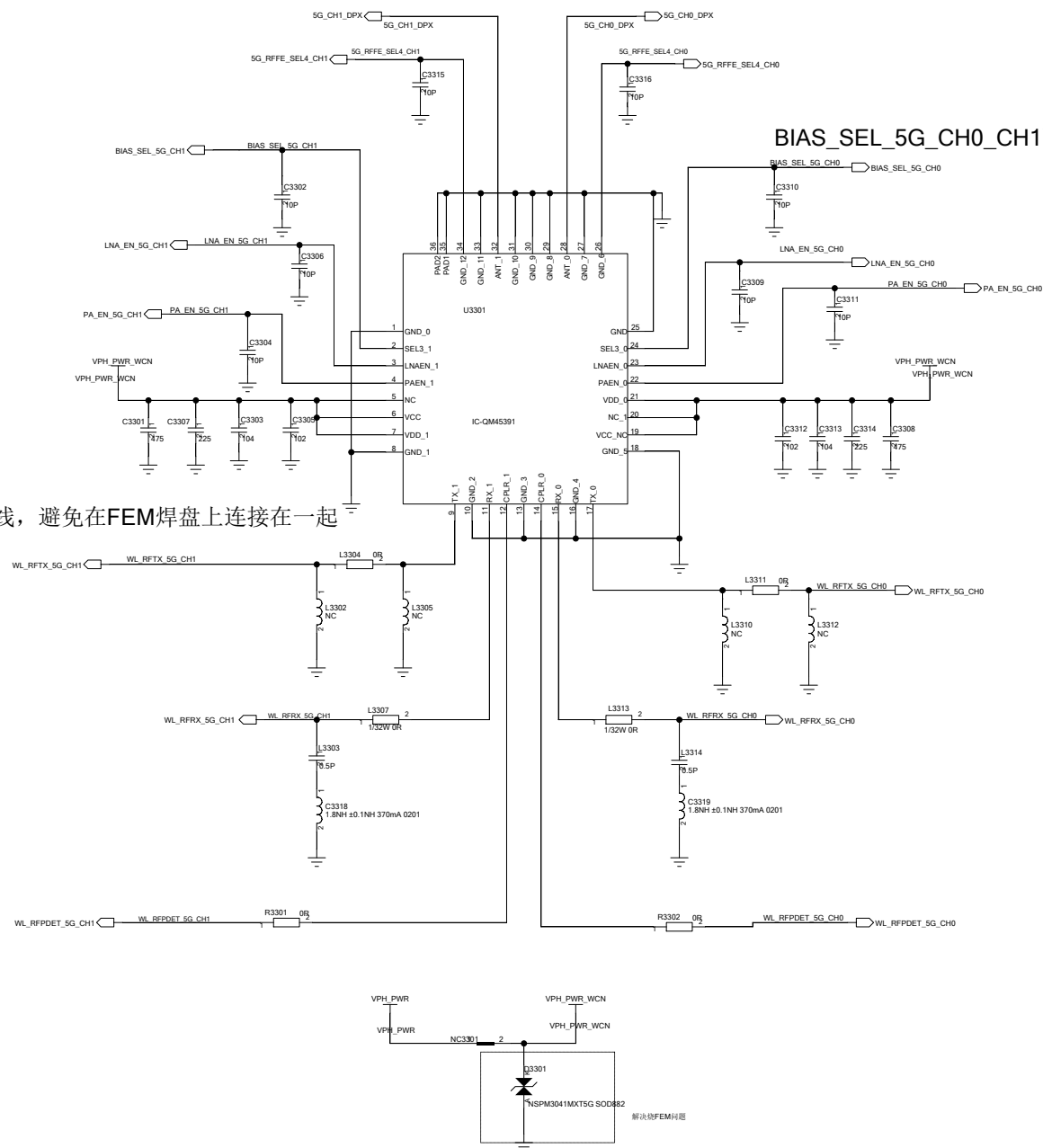


VDD17_WLSYN5G_VCO NEEDSGOOD ISOLATION FROM THE REST OF THE PAOWER-RAIES
VDD12_WLBBPLL. NEEDS GOOD ISOLATION FROM BB 1.2V、VCO/BTPA 1.7V、 and RX 0.8V
VDD17_WLSYN5G_VCO NEEDSGOOD ISOLATION FROM THE REST OF THE PAOWER RAILS
VDD12_WLBBPLL. NEEDS GOOD ISOLATION FROM BB 1.2V、VCO/BTPA 1.7V、 and RX 0.8V


Drawn By	Sign	Date	Type
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Standard By			Sheet of 83 Ver:
Approved By			

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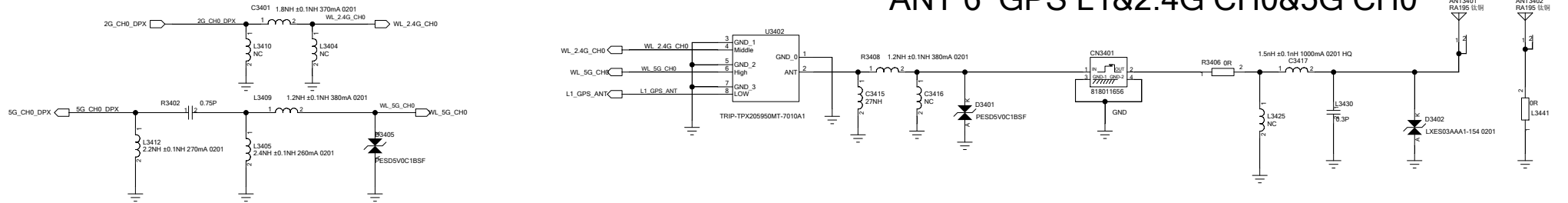




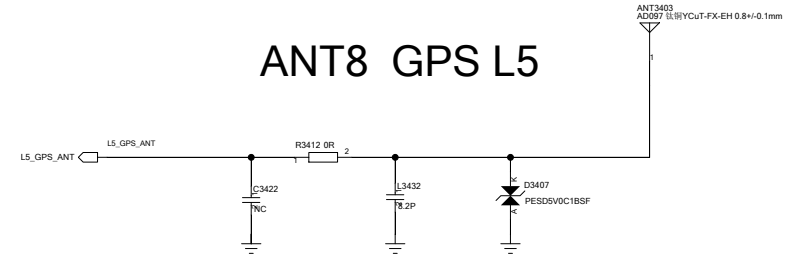
BIAS_SEL_5G_CH0_CH1两路信号为兼容6GHz,正式项目可以去掉

	Sign	Date	Type:	
Drawn By			Draw No: Schematic	
Checked By			Sheet	of 83 Ver:
Standard By				
Approved By				

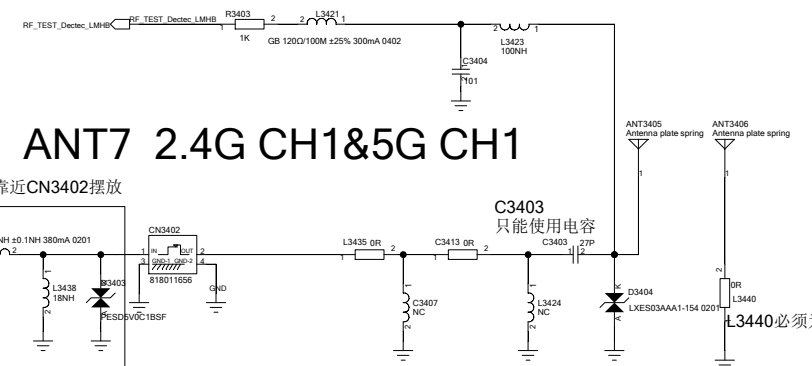
ANT 6 GPS L1&2.4G CH0&5G CH0



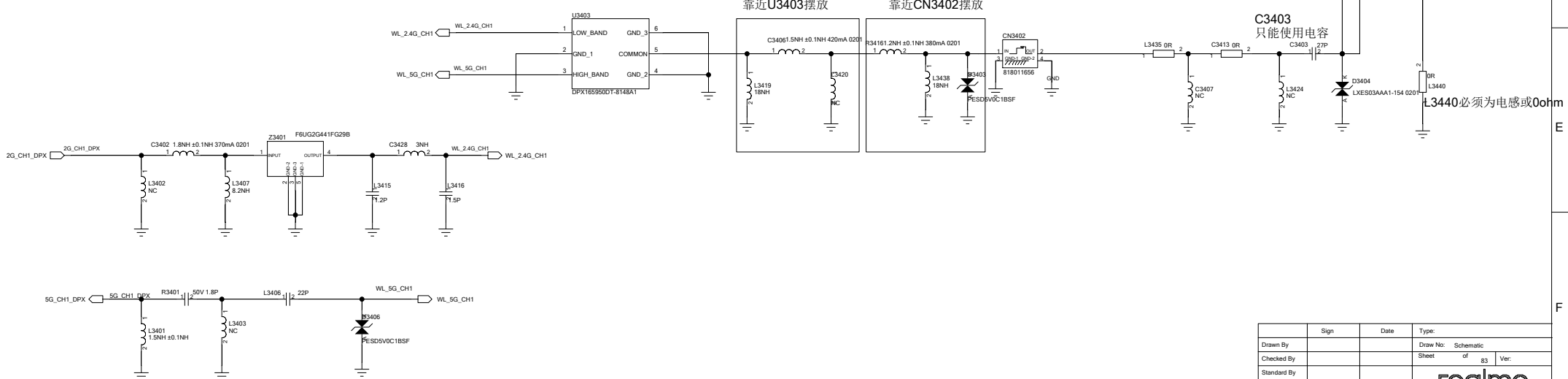
ANT8 GPS L5



压板传导测试检测电路



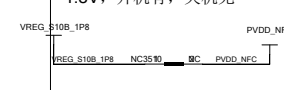
ANT7 2.4G CH1&5G CH1



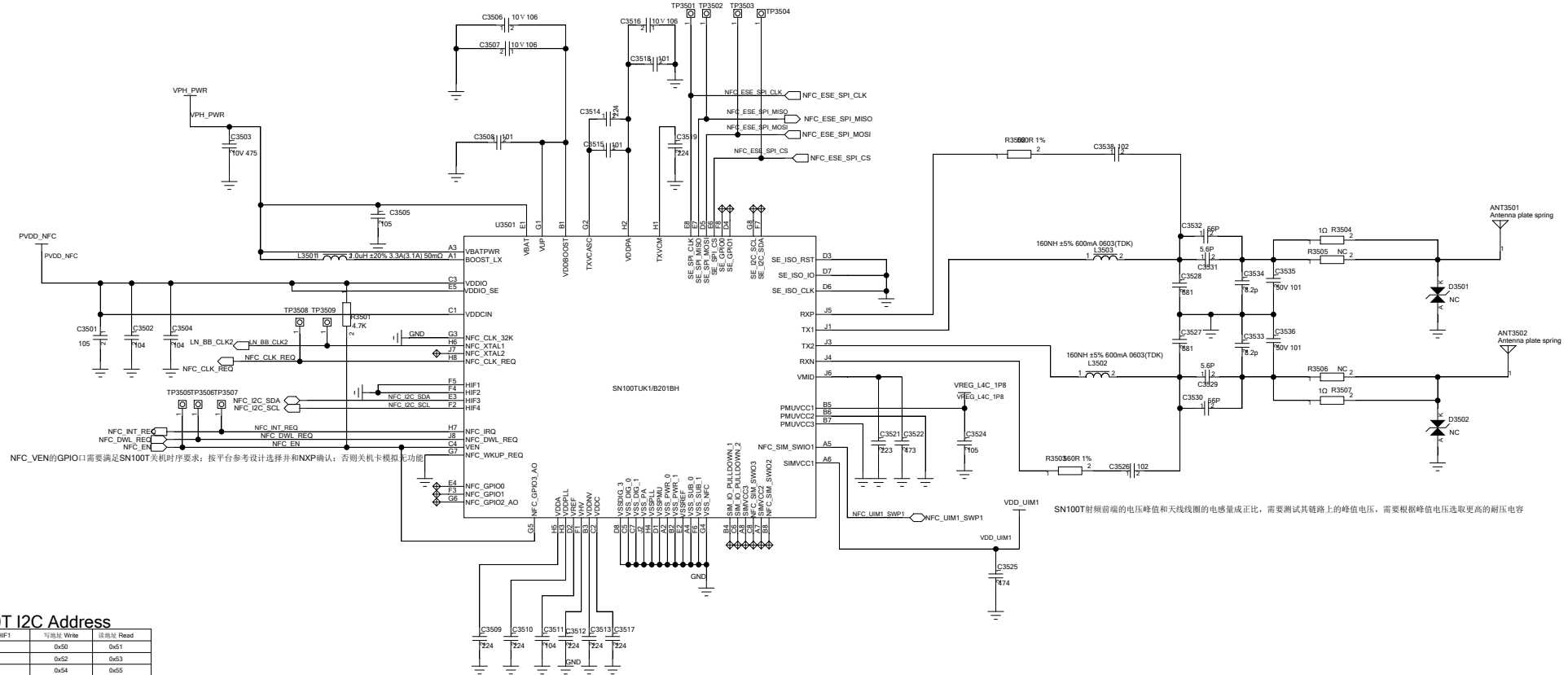
Drawn By	Sign	Date	Type
Checked By			Draw No: Schematic
Standard By			Sheet of 83 Ver:
Approved By			

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1.8V, 开机有, 关机无



有NFC功能时NC，无NFC功能时贴0R




SN100T I2C Address

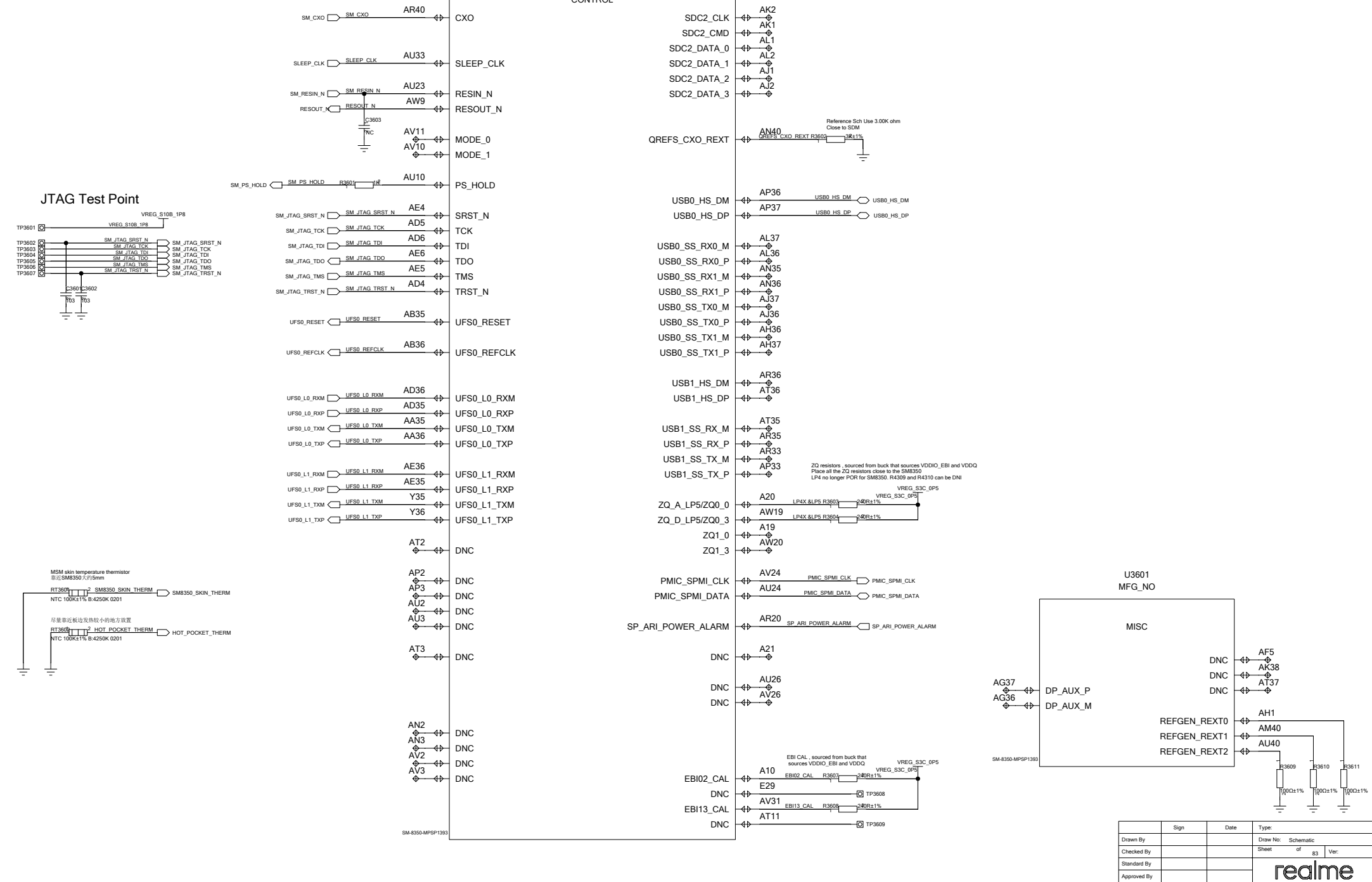
HIF2 HIF1	写地址 Write	读地址 Read
0 0	0x50	0x51
0 1	0x52	0x53
1 0	0x54	0x55
1 1	0x56	0x57

备 注	
1	SN100T single die 内部集成NFC Controller+eSE+DC/DC; 如不需要DC/DC可通过修改cfg 将DC/DC bypass
2	SN100T使用系统时钟，不需要预留外部晶振， 开关机卡模拟性能相同
3	SN100T/F PIN2PIN，电路图兼容这两个方案；SN100U与SN100T/F PIN2PIN,但SN100U内部多个eSIM模块D3、D6、D7三个接口需要接到AP端，SN100T/F这三个接口需要接地；

SN100T射频前端的电压峰值和天线线圈的电感量成正比，需要测试其链路上的峰值电压，需要根据峰值电压选取更高的耐压电容

	Sign	Date	Type:	
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Standard By				
Approved By				

SM8350_CTRL_UFS_USB_SDC



Drawn By	Sign	Date	Type
Checked By			Draw No: Schematic
Standard By			Sheet of 83 Ver:
Approved By			

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SM8350_GPIO_I2CPULL

U3601
MFG_NO

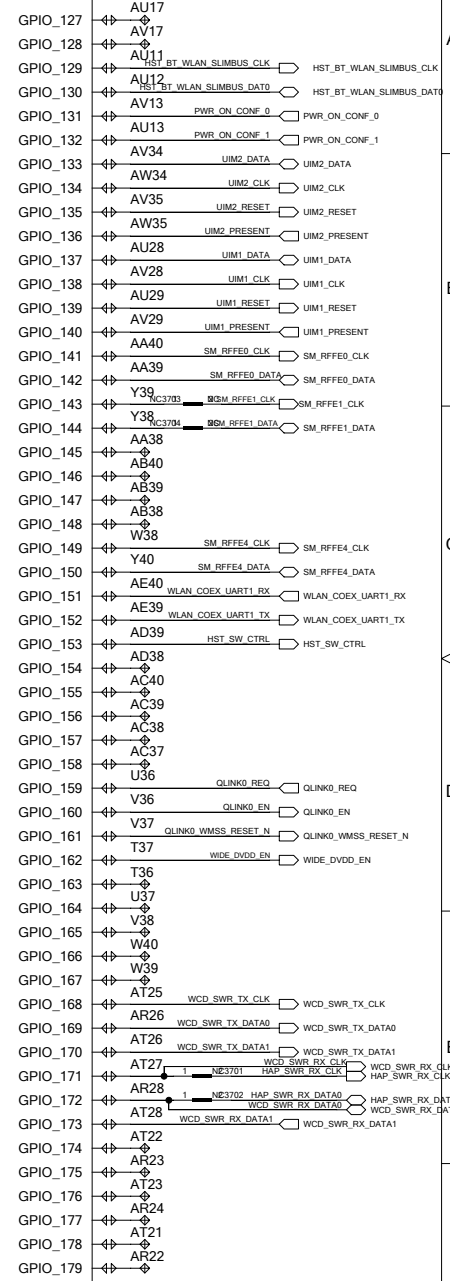
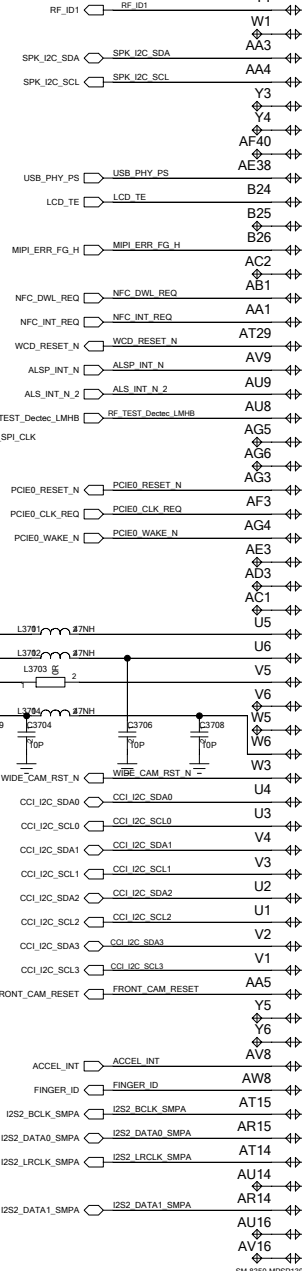
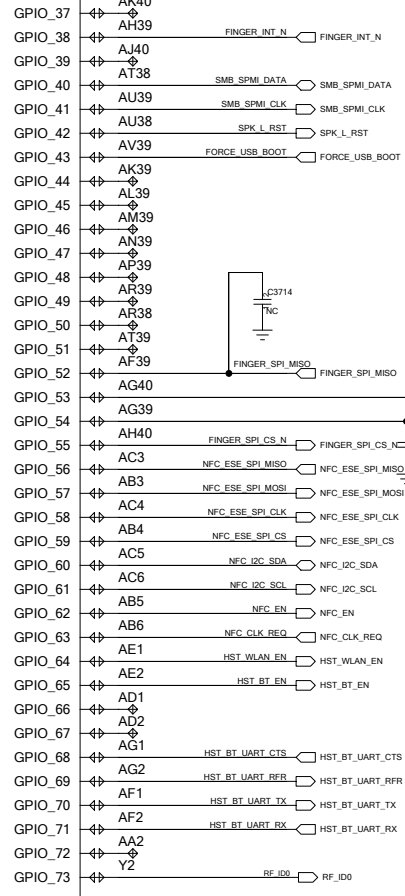
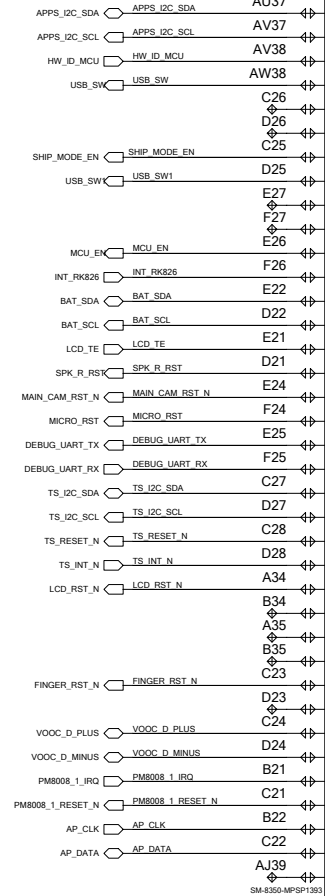
U3601
MFG_NO

GPIO1

GPIO2

GPIO3

U3601
MFG_NO

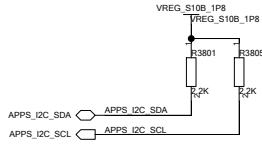


Sign	Date	Type
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Standard By		
Approved By		

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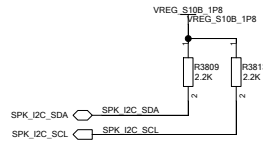
SM8350_GPIO_I2CPULL

APPS Processor I2C



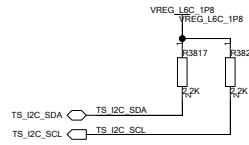
I2C device	Read Address	Write address
PM8008	0x05	0x04

Smart PA I2C



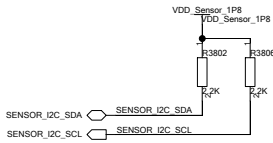
I2C device	Read Address	Write address
SPK_TFA9874	0x6B	0x6A
REC_TFA9874	0x69	0x68

Touch Screen



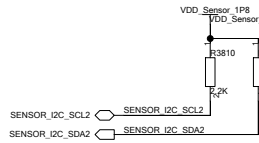
I2C device	Read Address	Write address
FT3518U	0xE1	0xE0

ALS/Color SENSOR



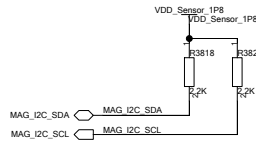
I2C device	Address	Write address
TSLS2940	0x73	0x72

I2C for ALS&PS Sensor



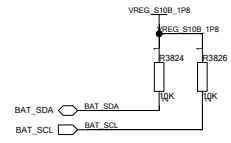
I2C device	Address	Write address
TCS3701	0x73	0x72

I2C for MAG Sensor



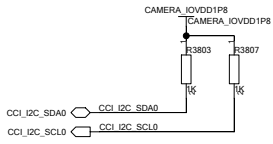
I2C device	Read Address	Write address
MMC5603MUL	0x61	0x60

GAUGE I2C



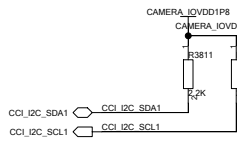
I2C device	Read Address	Write address
RK826	0x15	0x14
Battery	0XA8	0XAA

Camera I2C0:Main_Camera



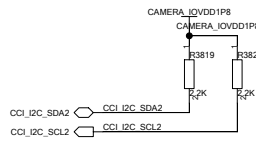
I2C device	Read Address	Write address
Sensor	0x21	0x20
EEPROM	0xA1	0xA0
Driver IC	0x19	0x18

Camera I2C1 : Wide/人像camera



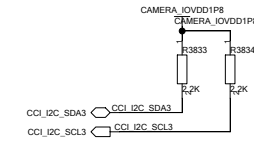
I2C device	Read Address	Write address
Sensor	0x45	0x44
EEPROM	0xA3	0xA2

Camera I2C2: Front camera



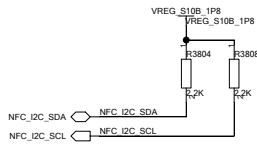
I2C device	Read Address	Write address
Sensor	0x21	0x20
EEPROM	0xA9	0xA8

Camera I2C3: 微距 camera



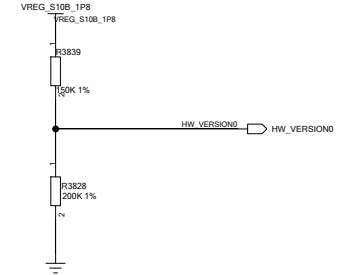
I2C device	Read Address	Write address
Sensor	0x7B	0x7A
EEPROM	0XA5	0XA4

NFC I2C



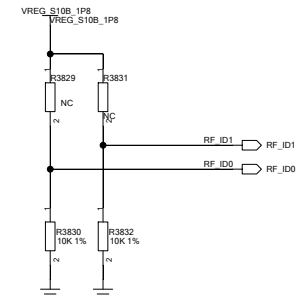
I2C device	Read Address	Write address
SN100T	0x61	0x60

主板硬件版本识别



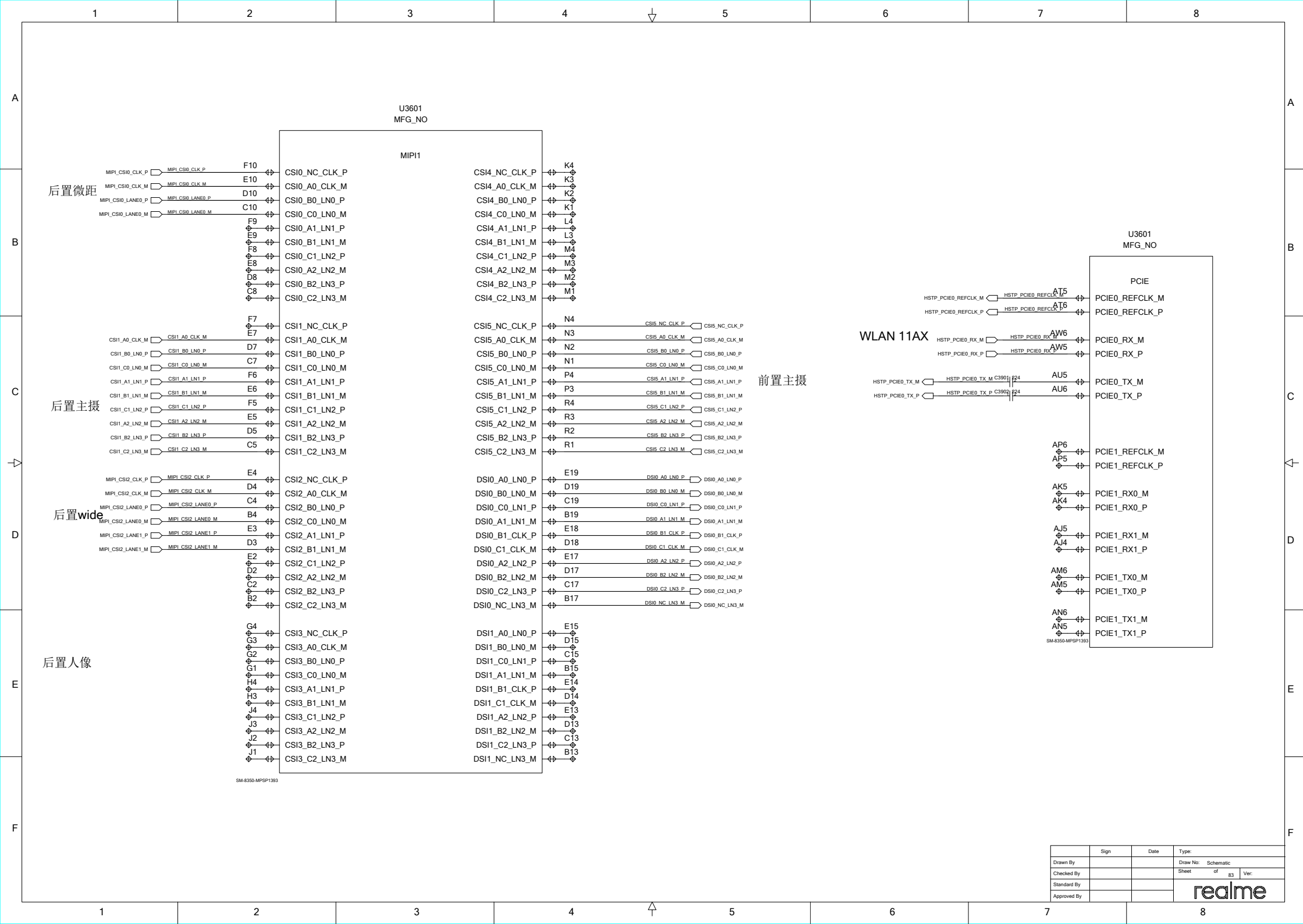
主板	版本名 (ADC)	上拉电阻 (KΩ, 精度1%)	下拉电阻 (KΩ, 精度1%)	min (V)	typ (V)	max (V)	料号	物料分类	软件范围 MIN	软件范围 MAX	备注
PM8350_GPIO_04 (ADC: 0 to 1.875V)	EV8	150.00	3.00	0.0346	0.0353	0.0360	8241322	B	0.00	0.08	T1板
	T0	150.00	10.00	0.1104	0.1125	0.1146	8241105	A	0.08	0.18	SA板
	T0-1 (预留)	150.00	24.00	0.2440	0.2483	0.2526	8241104	A	0.18	0.30	预留
	EVT1	150.00	39.00	0.3656	0.3714	0.3774	8241225	A	0.30	0.42	SB板
	EVT2 (预留)	150.00	56.00	0.4822	0.4893	0.4965	8241214	A	0.42	0.55	预留
	EVT3 (预留)	150.00	75.00	0.5920	0.6000	0.6080	8241569	B	0.55	0.65	预留
	DVT1	150.00	100.00	0.7114	0.7200	0.7287	8241032	A	0.65	0.76	SC板
	DVT2 (预留)	150.00	121.00	0.7948	0.8037	0.8126	8241163	A	0.76	0.85	预留
	DVT3 (预留)	150.00	150.00	0.8910	0.9000	0.9090	8241106	A	0.85	0.95	预留
	PVT1	150.00	200.00	1.0197	1.0286	1.0374	8241039	A	0.95	1.05	正式0板
	MP1 (预留)	150.00	240.00	1.0992	1.1077	1.1162	8241334	B	1.05	1.15	特殊版本2
	MP2 (预留)	150.00	330.00	1.2297	1.2375	1.2452	8241178	A	1.15	1.30	特殊版本2
	MP3 (预留)	150.00	470.00	1.3579	1.3645	1.3711	8241179	B	1.30	-	特殊版本3

RF预留识别电阻

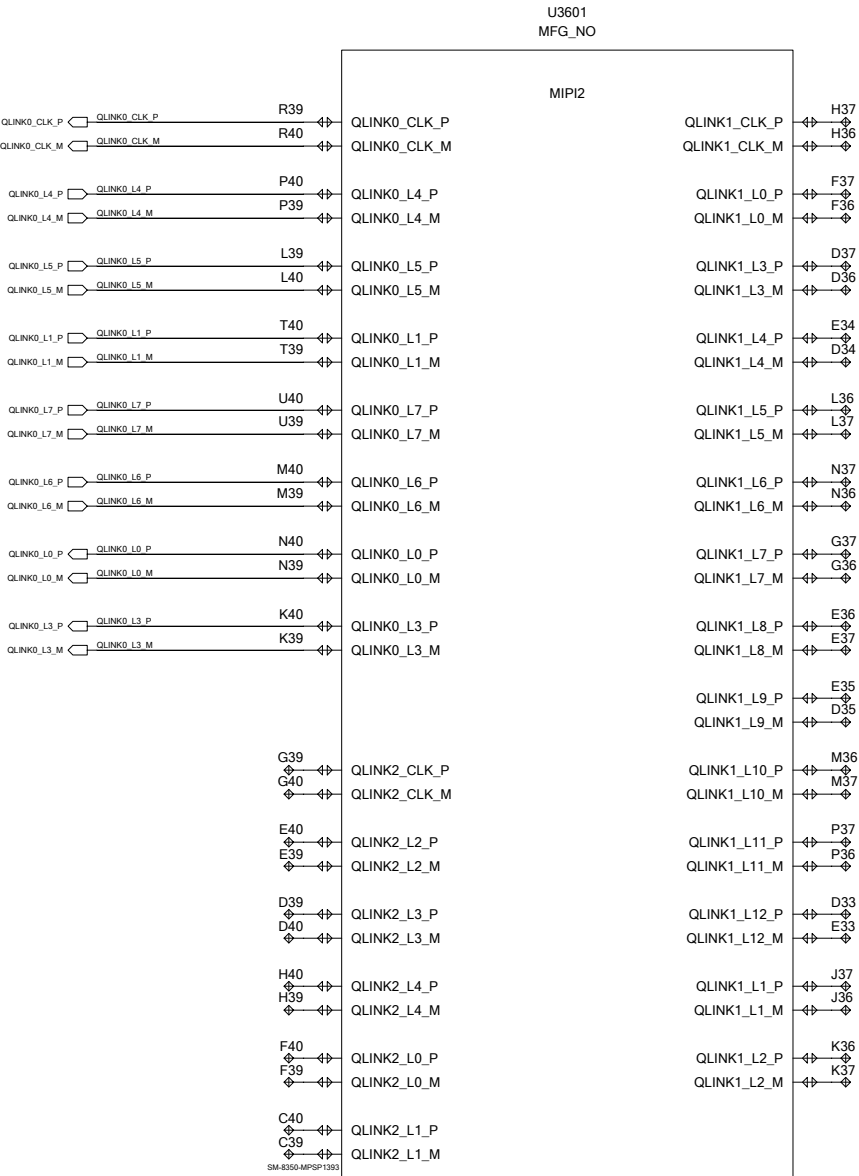


Sign	Date	Type
Drawn By		Draw No: Schematic
Checked By		Sheet of 83 Ver:
Standard By		
Approved By		

realme

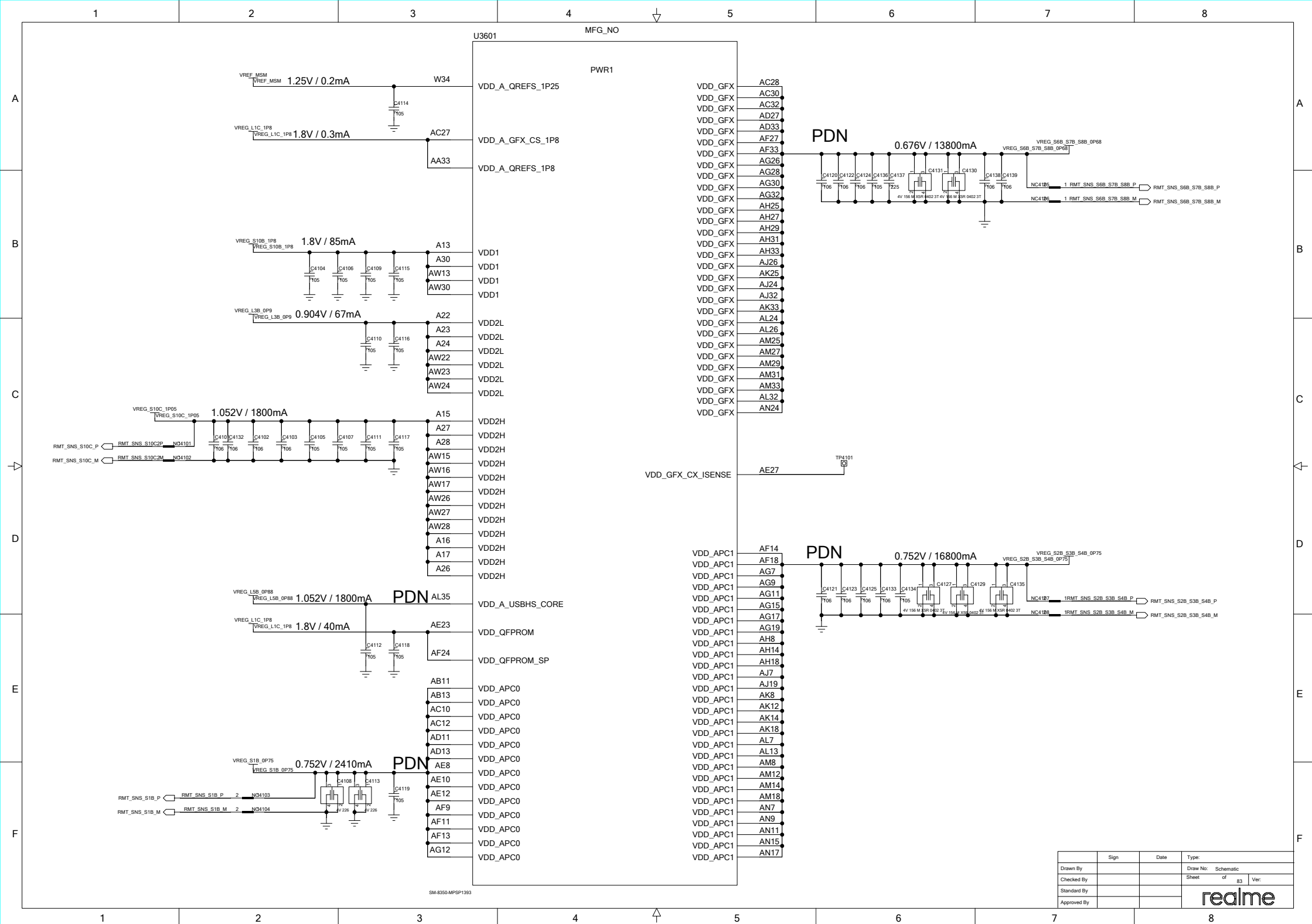


SM8350_QLINK



	Sign	Date	Type:
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Standard By			
Approved By			

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SM8350_PWR2/ATEST

U3601
MFG_NO

PWR2

U3601
MFG_NO


ATEST

	Sign	Date	Type:		
Drawn By			Draw No:	Schematic	
Checked By			Sheet	of	83 Ver:
Standard By					
Approved By					

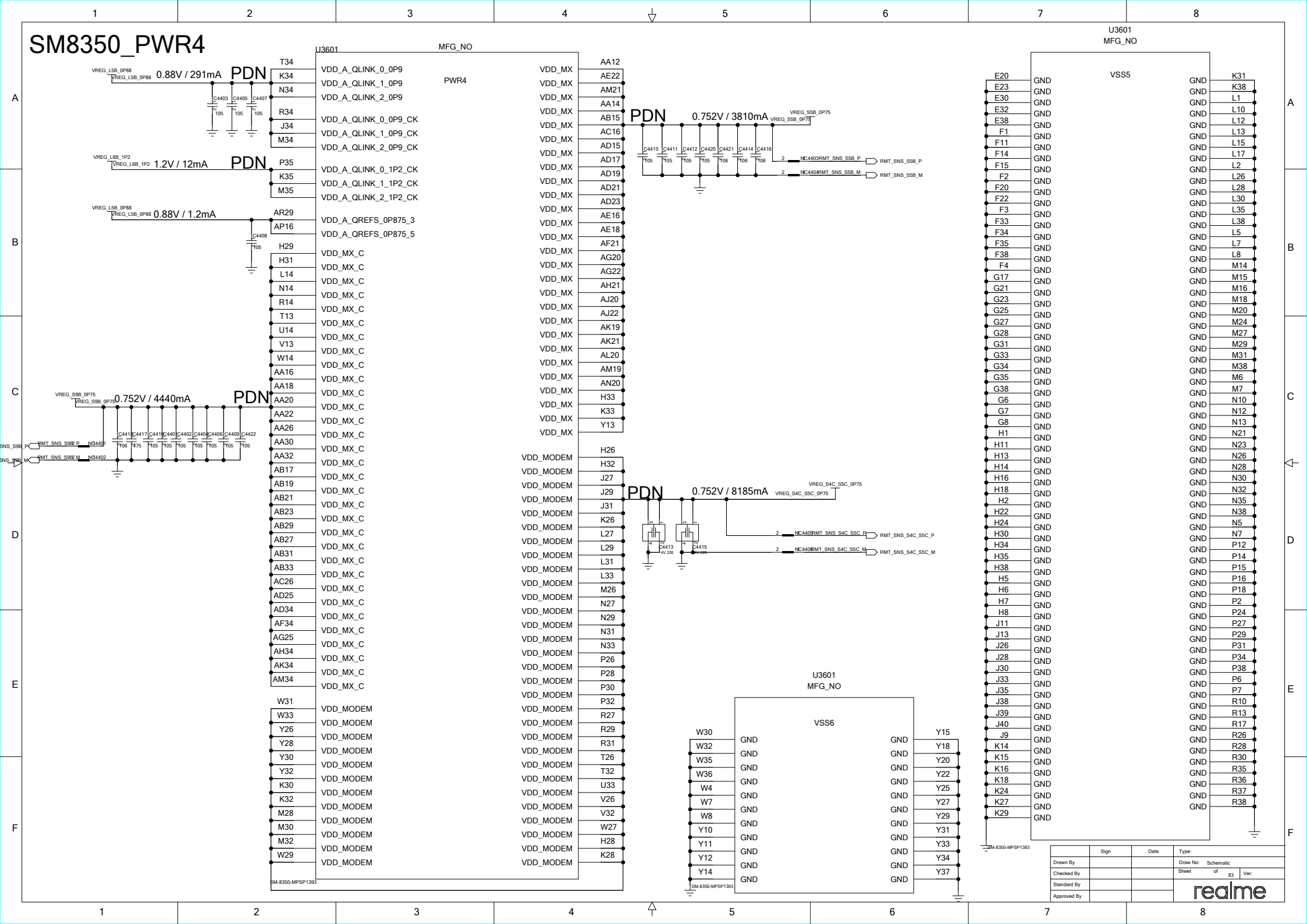
realme

F



	Sign	Date	Type:		
Drawn By			Draw No: Schematic		
Checked By			Sheet	of 83	Ver:
Standard By					
Approved By					

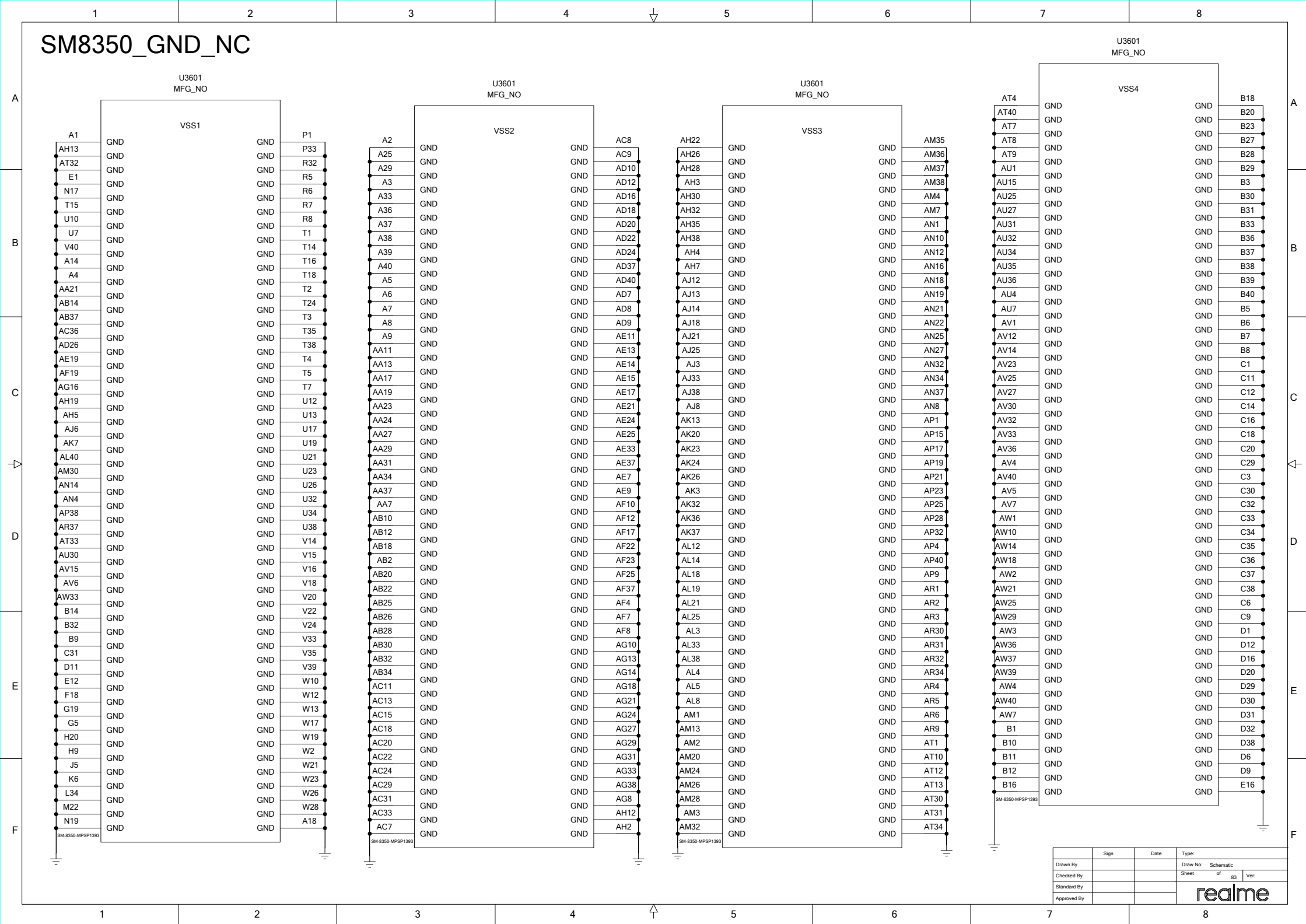
SM8350_PWR4



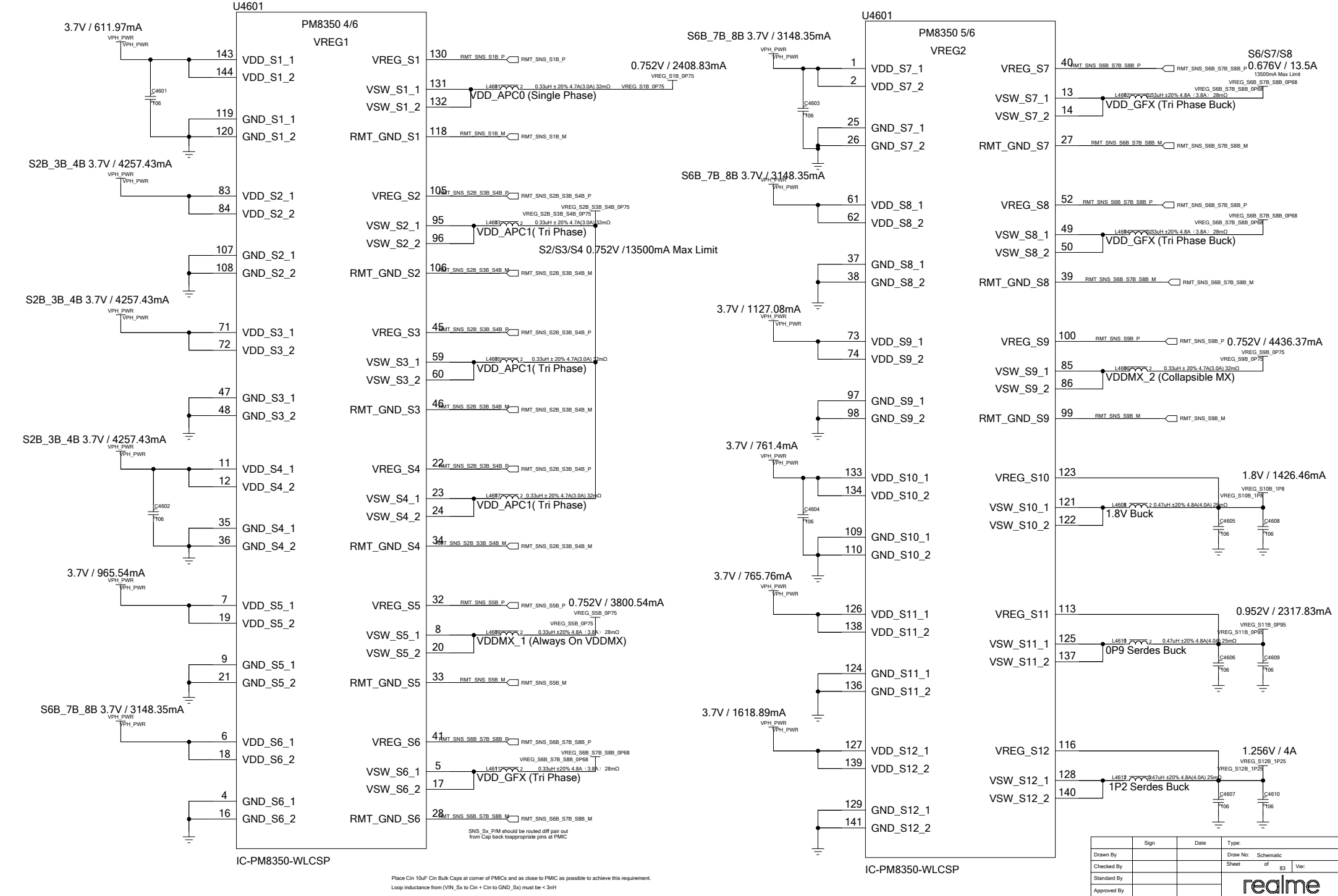
Drawn By	Sign	Date	Type:
Checked By			Draw No: Schematic
Standard By			Sheet of 83 Ver:
Approved By			

realme

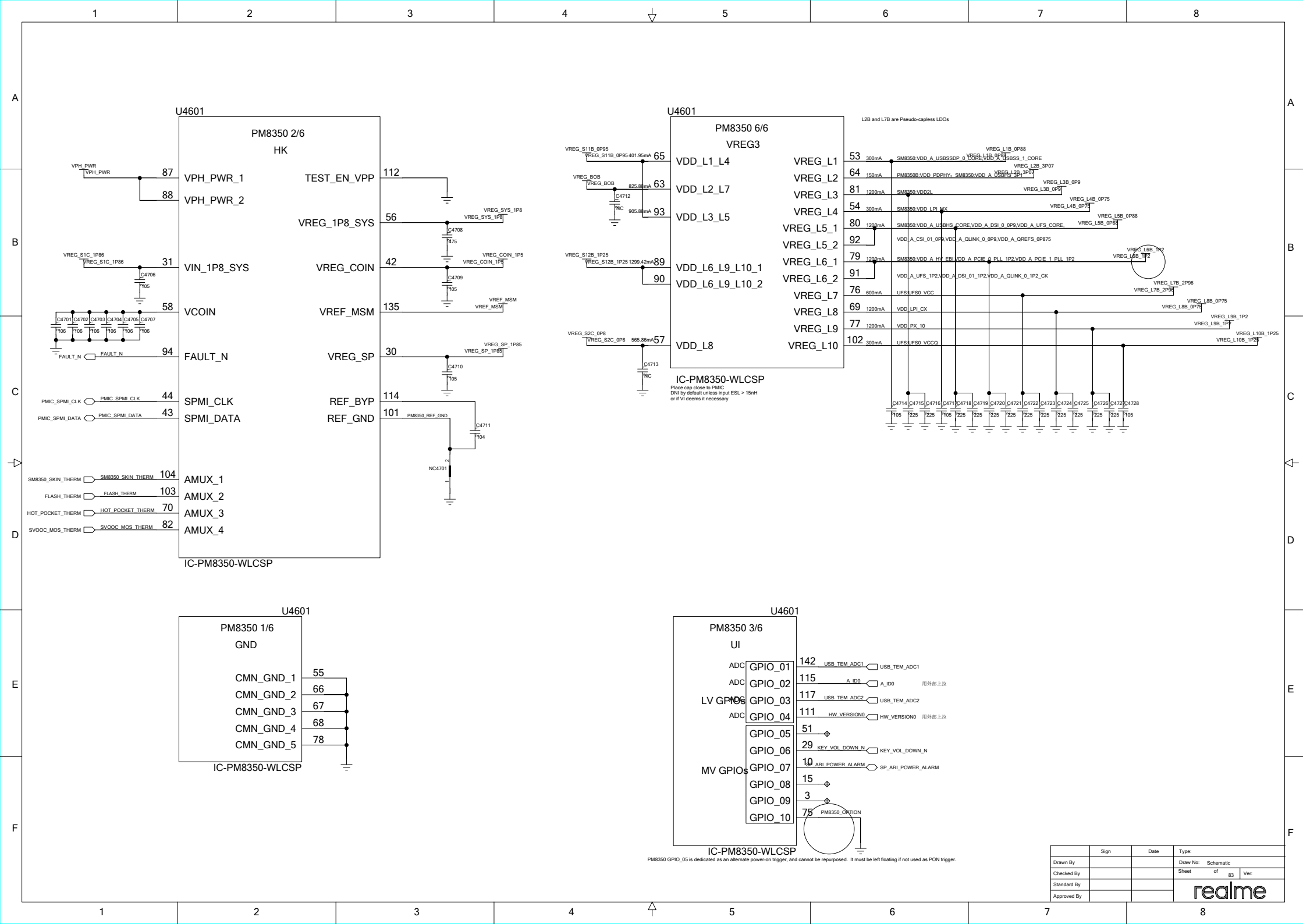
SM8350_GND_NC



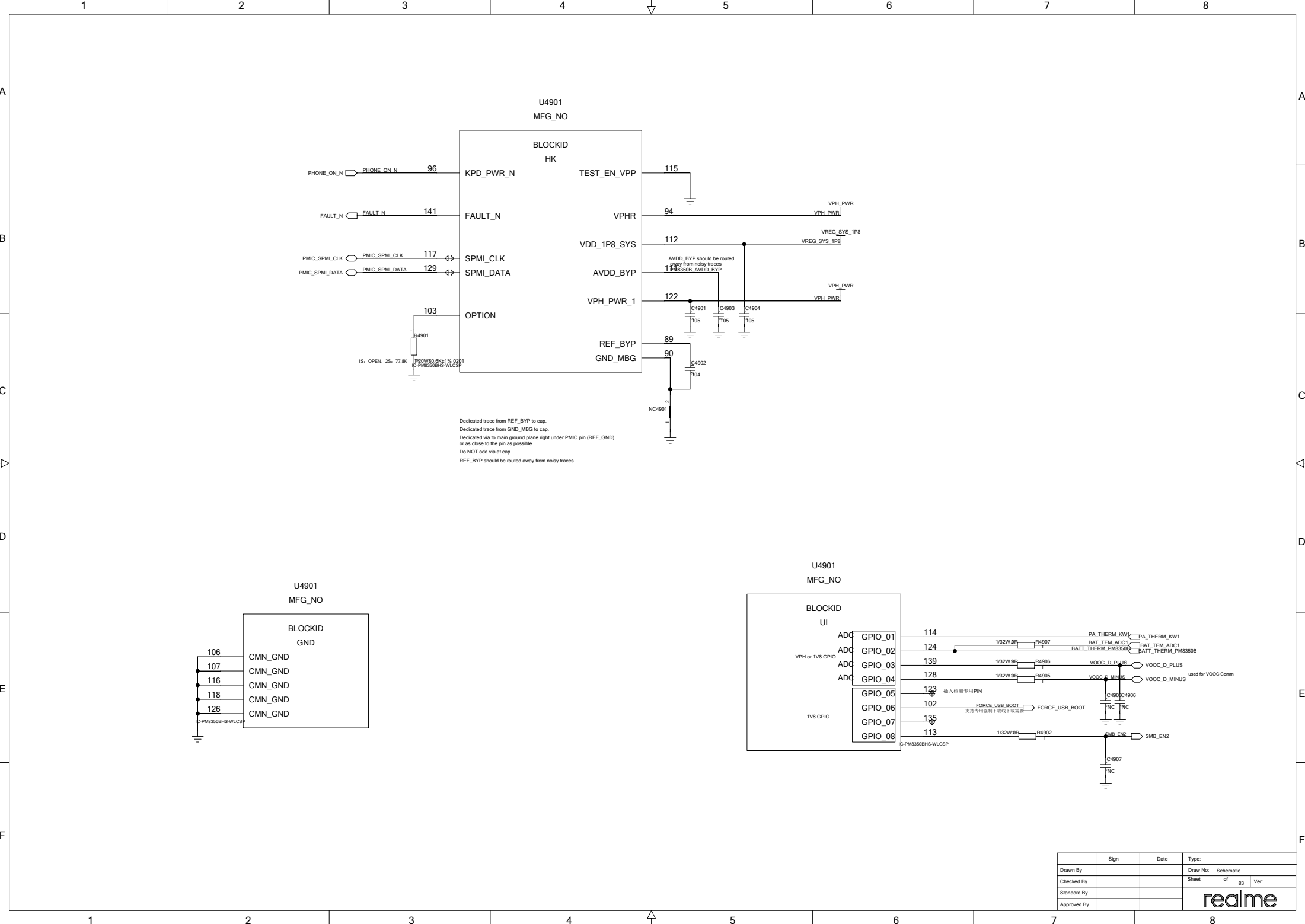
PM8350_VREG_S1_S12



Place Cin 10uF Cin Bulk Caps at corner of PMICs and as close to PMIC as possible to achieve this requirement.
Loop inductance from (VIN_Sx to Cin + Cin to GND_Sx) must be < 3nH



A
B
C
D
E
F

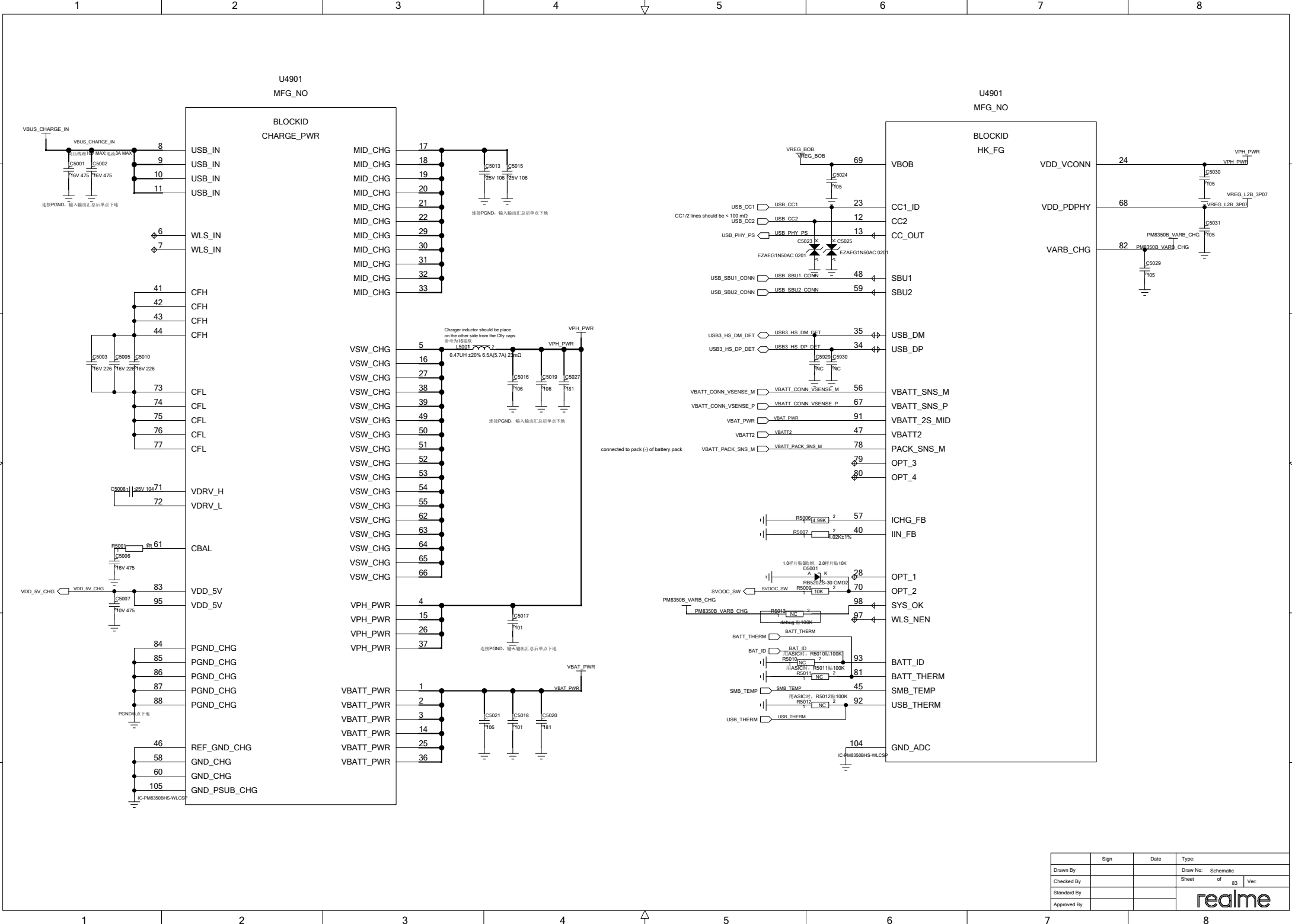


	Sign	Date	Type:
Drawn By			Draw No: Schematic
Checked By			Sheet of 83 Ver:
Standard By			
Approved By			

realme

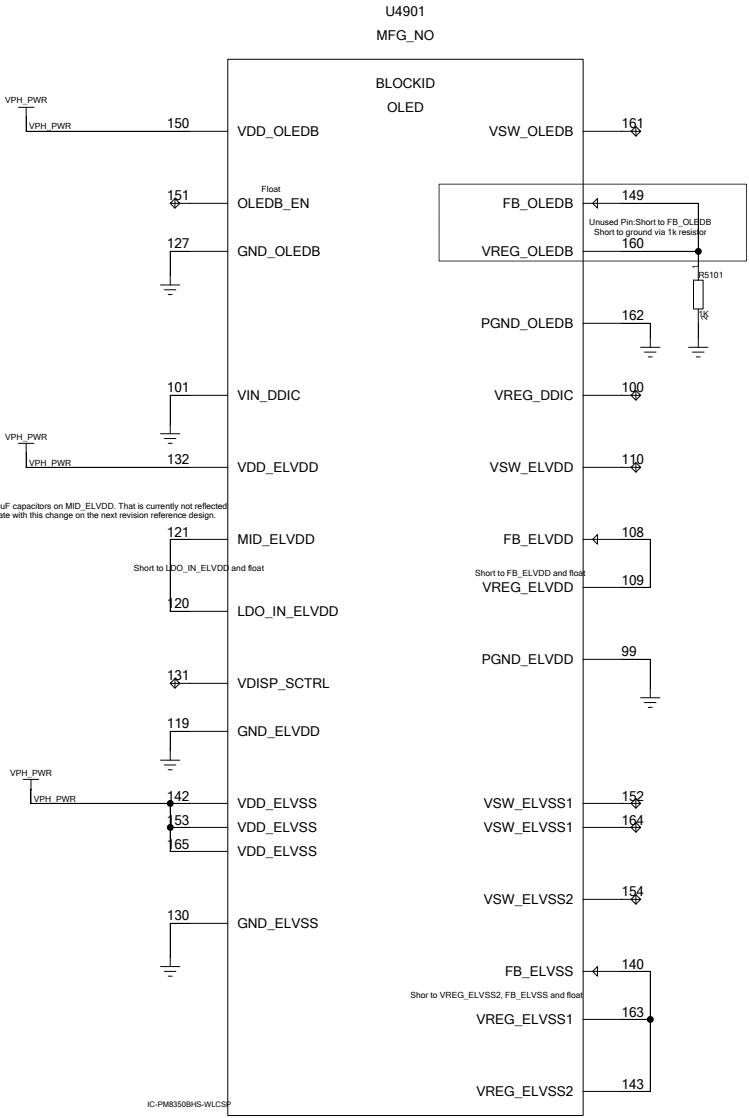
A
B
C
D
E
F

F

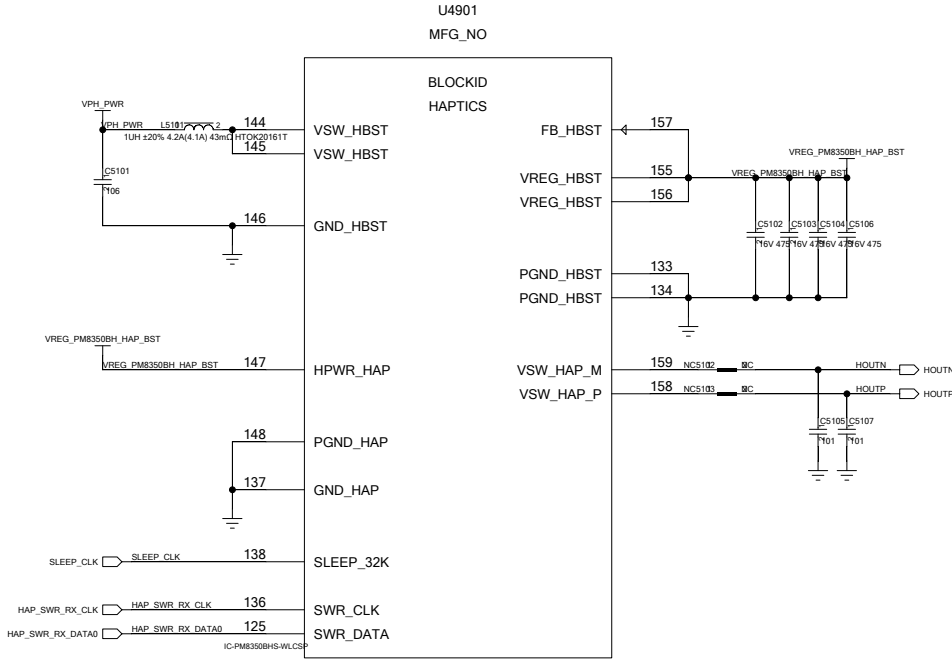


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Drawn By			Draw No: Schematic
Checked By			Sheet of 83 Ver:
Standard By			
Approved By			

PM8350B_AMOLED



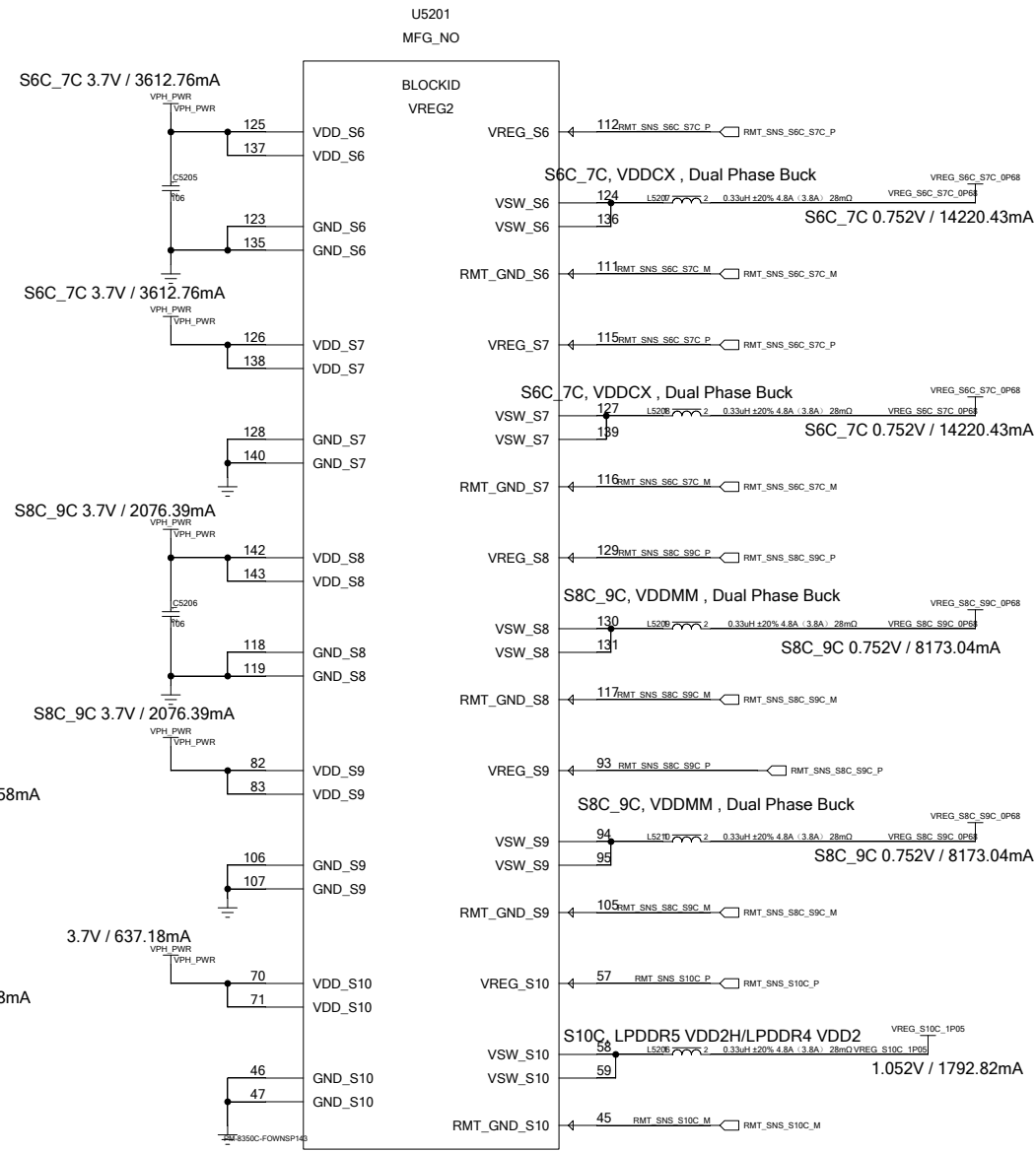
PMIC马达驱动



	Sign	Date	Type:
Drawn By			Draw No: Schematic
Checked By			Sheet of 83 Ver:
Standard By			
Approved By			

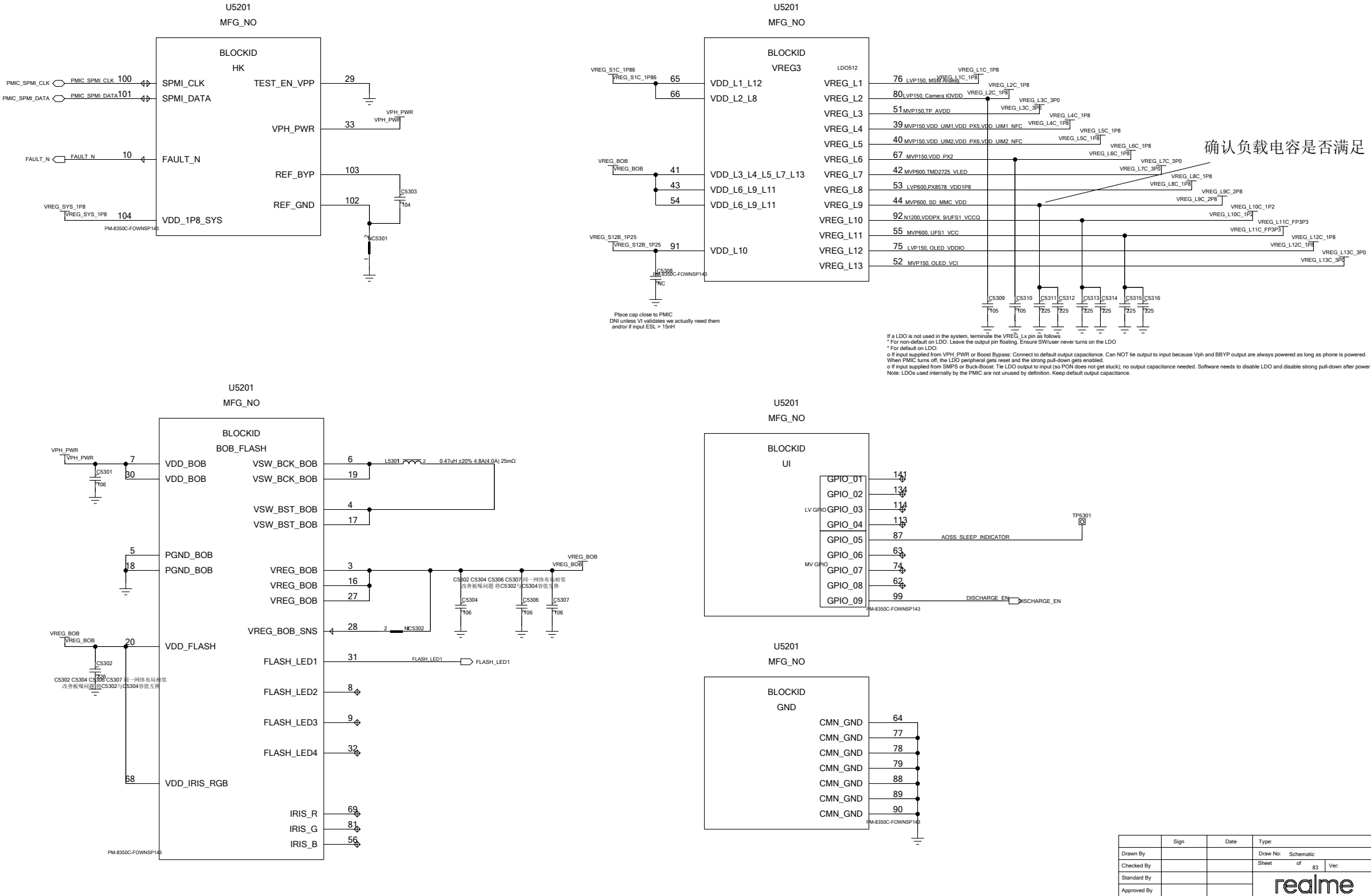
realme

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Type: _____
 Draw No: Schematic
 Sheet of 83 Ver: _____
 realme

PM8350C_HK_IO_VREG_LDOs



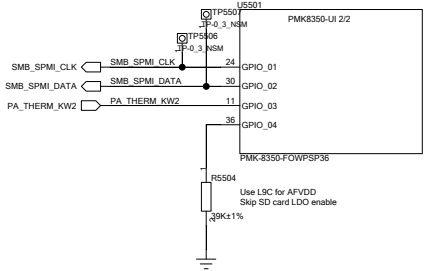
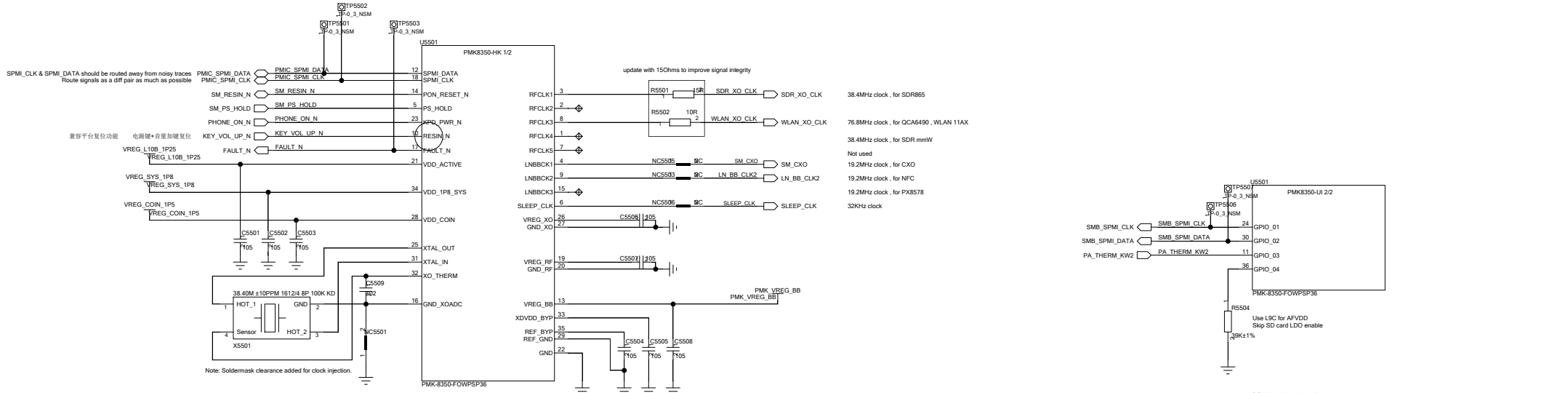
确认负载电容是否满足

If a LDO is not used in the system, terminate the VREG_Lx pin as follows:
* For non-default on LDO: Leave the output pin floating. Ensure SW/user never turns on the LDO.
* For default on LDO:
o If input supplied from VPH_PWR or Boost Bypass: Connect to default output capacitance. Can NOT tie output to input because Vph and BBYP output are always powered as long as phone is powered. When PMIC turns off, the LDO peripheral gets reset and the strong pull-down gets enabled.
o If input supplied from SMPFS or Buck-Boost: Tie LDO output to input (so PCN does not get stuck); no output capacitance needed. Software needs to disable LDO and disable strong pull-down after power up.
Note: LDOs used internally by the PMIC are not unused by definition. Keep default output capacitance.

	Sign	Date	Type
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PMK8350



- PON decode option resistor
Option : Resistor value (1% series)
- 1: 10.200 (LPDDR5, SD card LDO enable, GPIO05B Active LOW)
 - 2: 18.700 (LPDDR5, SD card LDO enable, GPIO05B Active HIGH)
 - 3: 52.300 (LPDDR5, Skip SD card LDO enable, GPIO05B Active LOW)
 - 4: 68.100 (LPDDR5, Skip SD card LDO enable, GPIO05B Active HIGH)
 - 5: 147.000 (LPDDR4X, SD card LDO enable, GPIO05B Active LOW)
 - 6: 191.000 (LPDDR4X, SD card LDO enable, GPIO05B Active HIGH)
 - 7: 357.000 (LPDDR4X, Skip SD card LDO enable, GPIO05B Active HIGH)
 - 8: Open (LPDDR4X, Skip SD card LDO enable, GPIO05B Active LOW)

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Drawn By			Draw No:	Schematic
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Standard By				
Approved By				



A

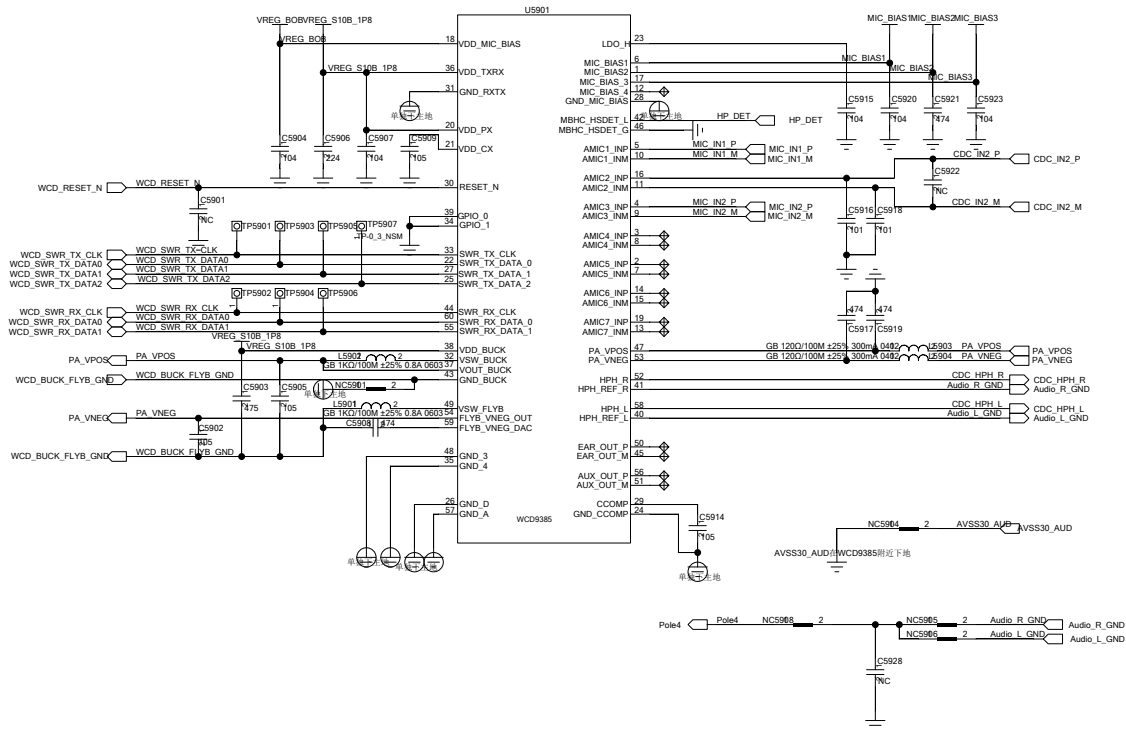


E

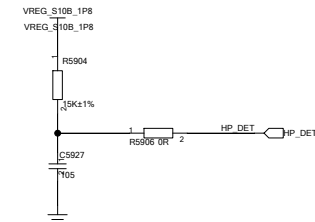


ト

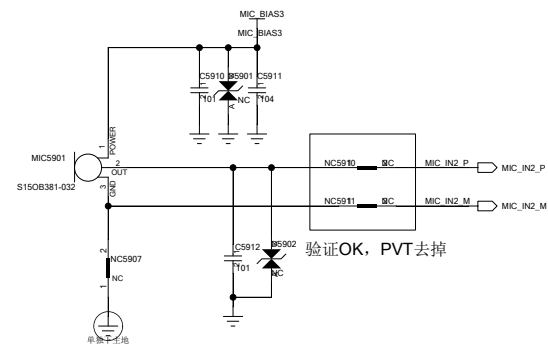
CODEC - WCD9385



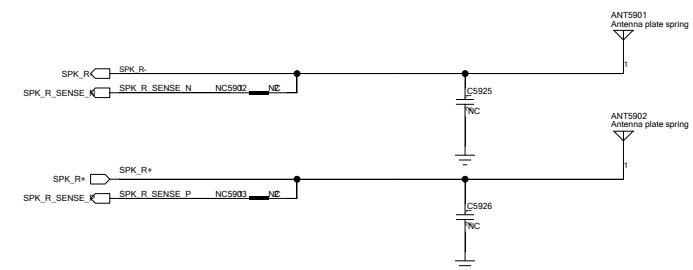
耳机检测



背部副MIC



Receiver



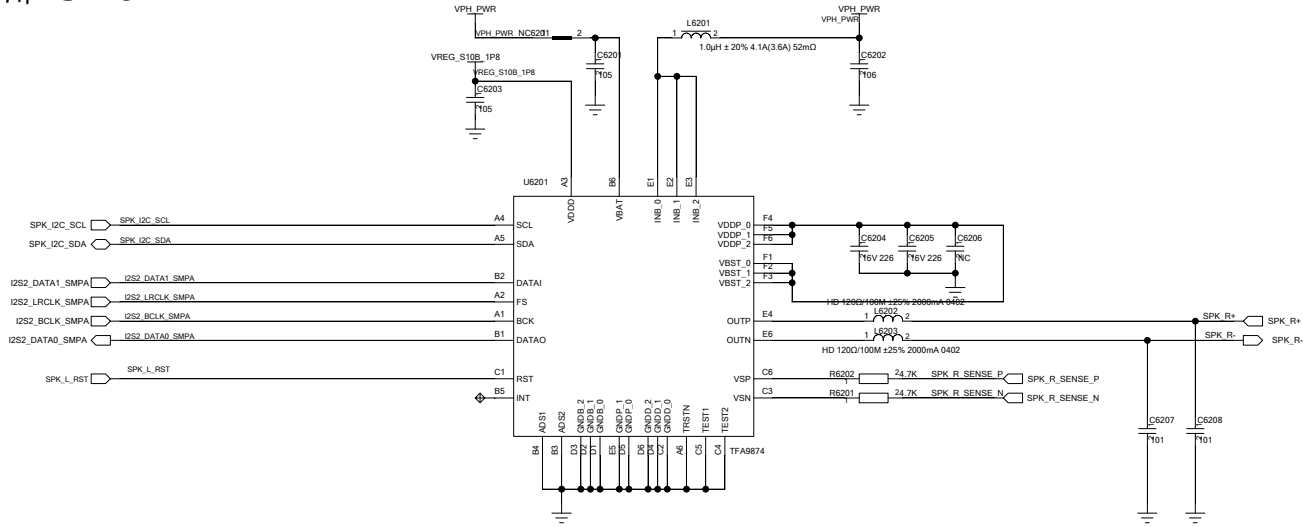
Sign	Date	Type
Drawn By		Draw No: Schematic
Checked By		Sheet of 83 Ver:
Standard By		
Approved By		

realme

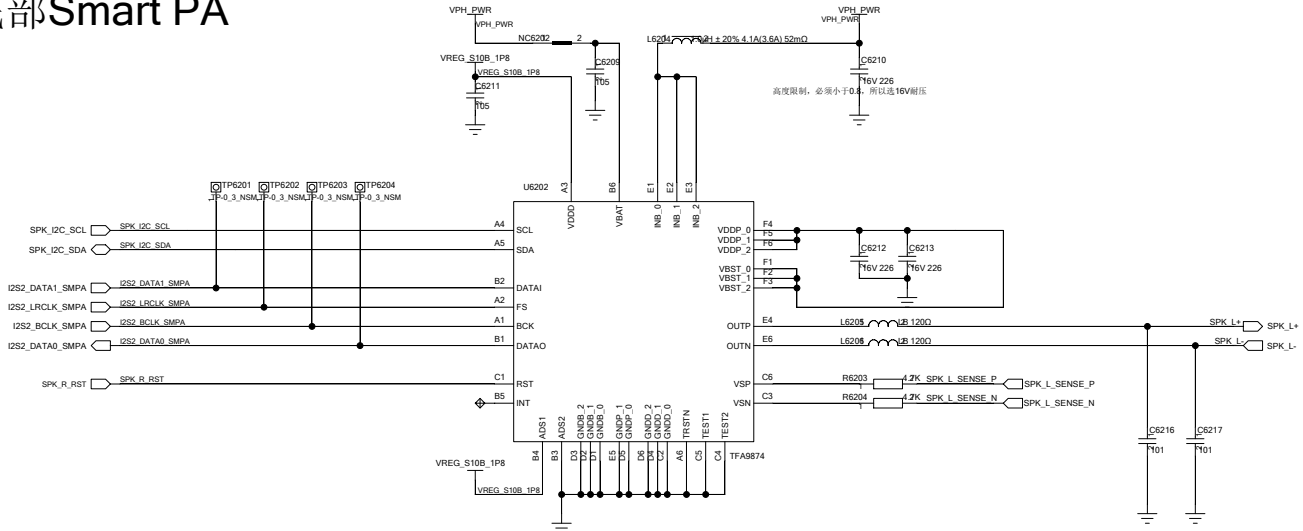
A



顶部 Smart PA



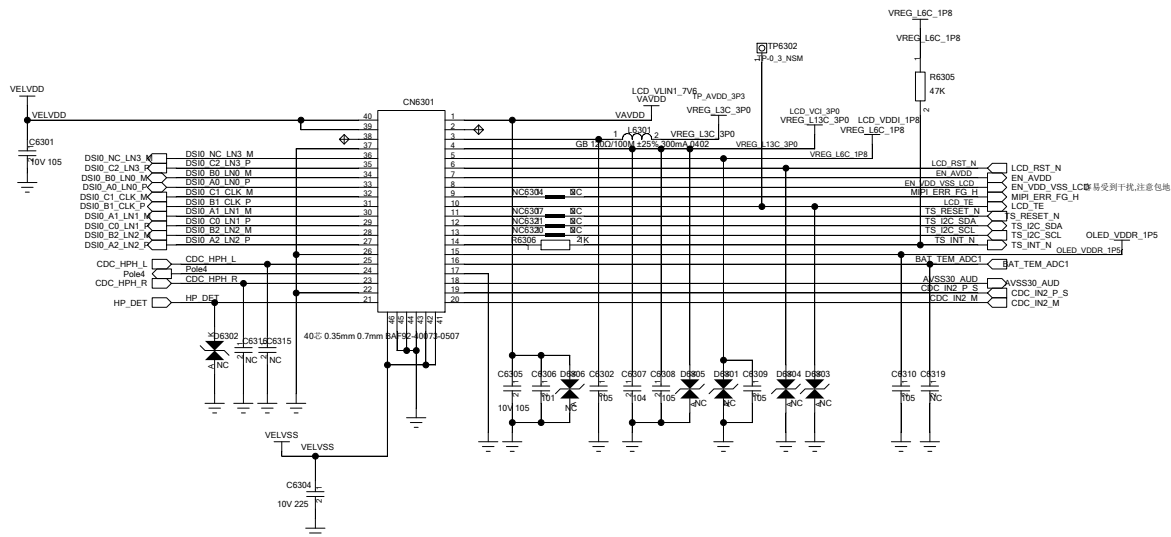
底部 Smart PA



	Sign	Date	Type:
Drawn By			Draw No: Schematic
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Standard By			
Approved By			

realme

A-BOARD_TO_L-FPC

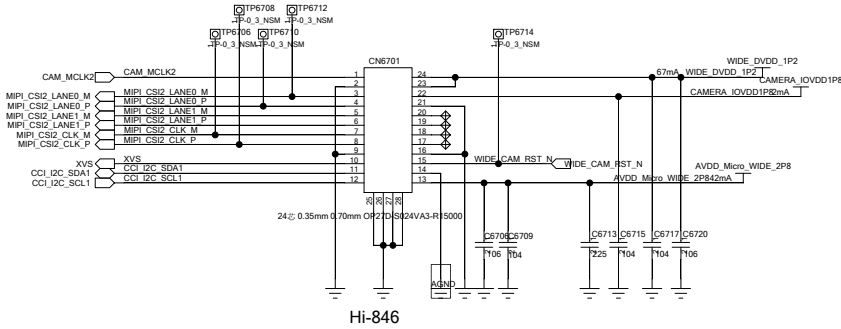


LCD_VDD1_1P8

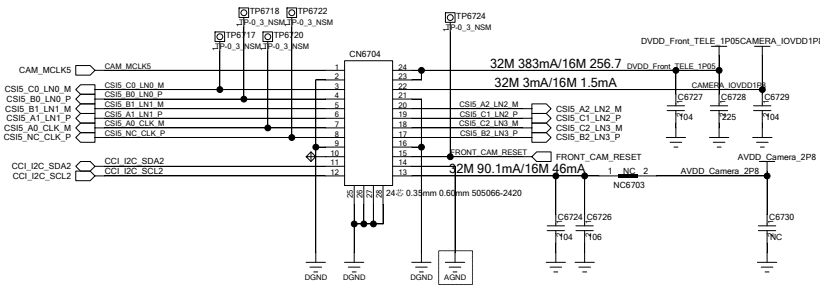
Drawn By	Sign	Date	Type
Checked By			Draw No: Schematic
Standard By			Sheet of 83 Ver:
Approved By			

realme

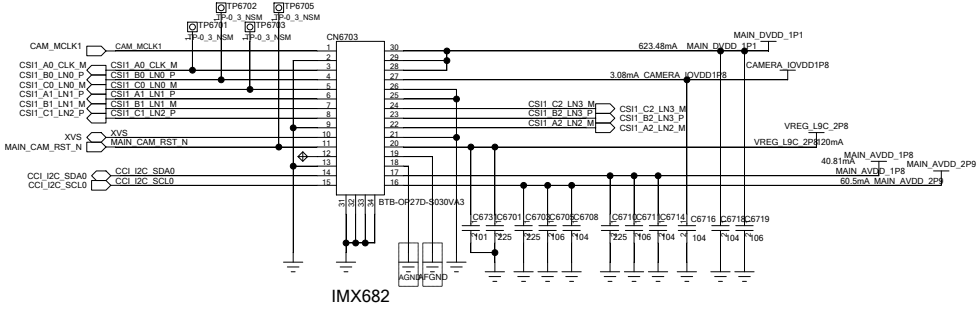
WIDE_Camera 8M



Front_Camera_32M兼容16M

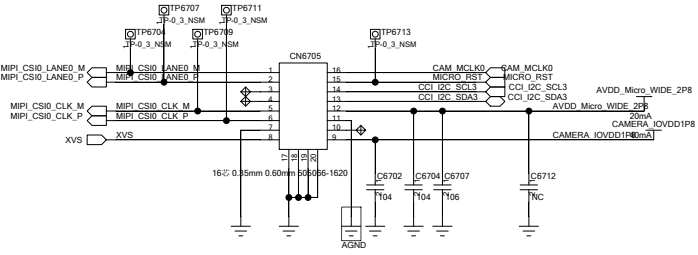


Main_Rear_Camera 64M



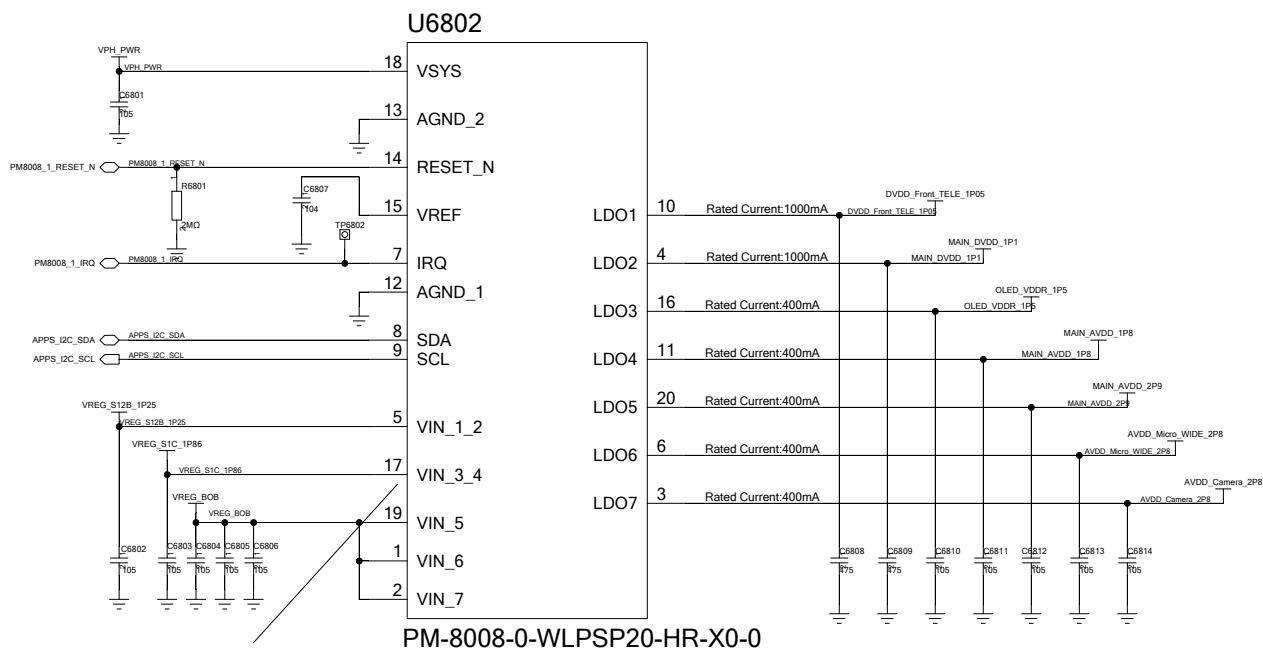
人像_Camera_2M

微距_Camera 2M

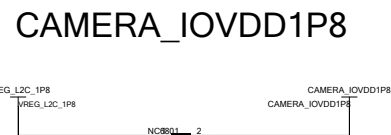
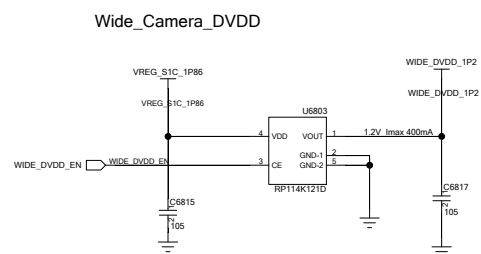



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Standard By		
Approved By		

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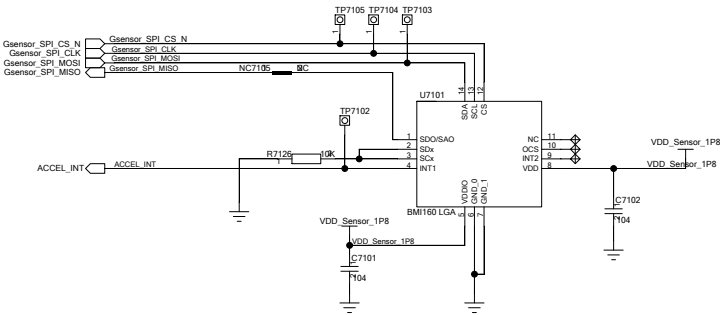


考虑下是否用1P86

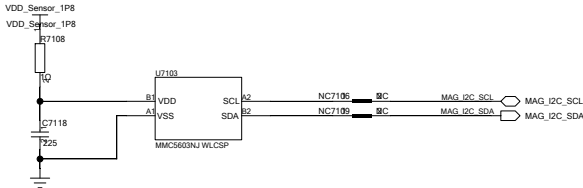


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Drawn By			Draw No: Schematic	
Checked By			Sheet	of 83 Ver:
Standard By				
Approved By				

G-Sensor/Gyo

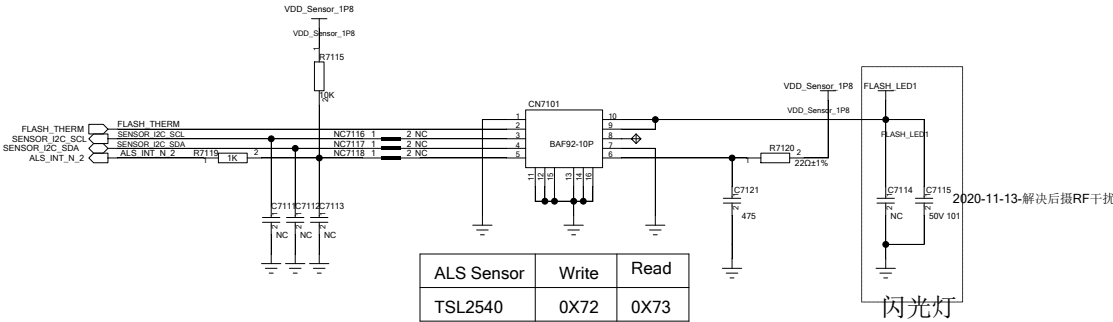


M-Sensor



M-sensor	Write	Read
AK09918	0X18	0X19
MMC5603MJL	0x60	0x61

后置光距感+闪光灯

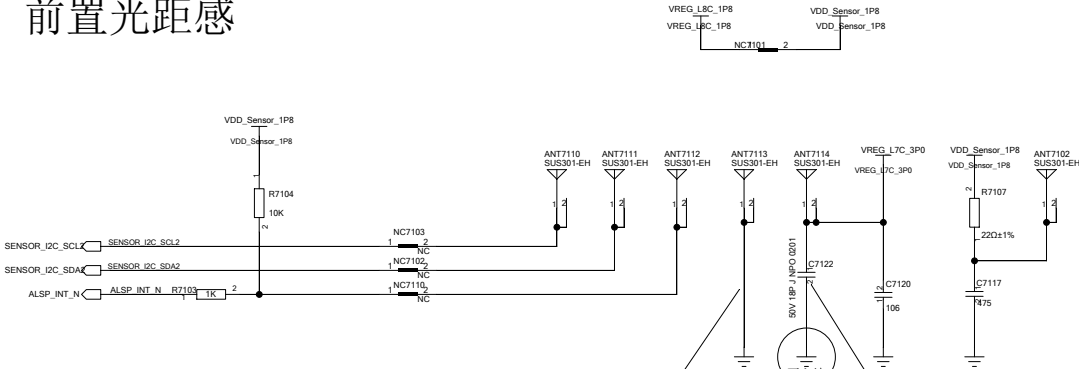


ALS Sensor	Write	Read
TSL2540	0X72	0X73

Slave address 0x39

闪光灯

前置光距感



共用BD368 靠近弹片放置

ALS Sensor	Write	Read
TCS3701	0X72	0X73

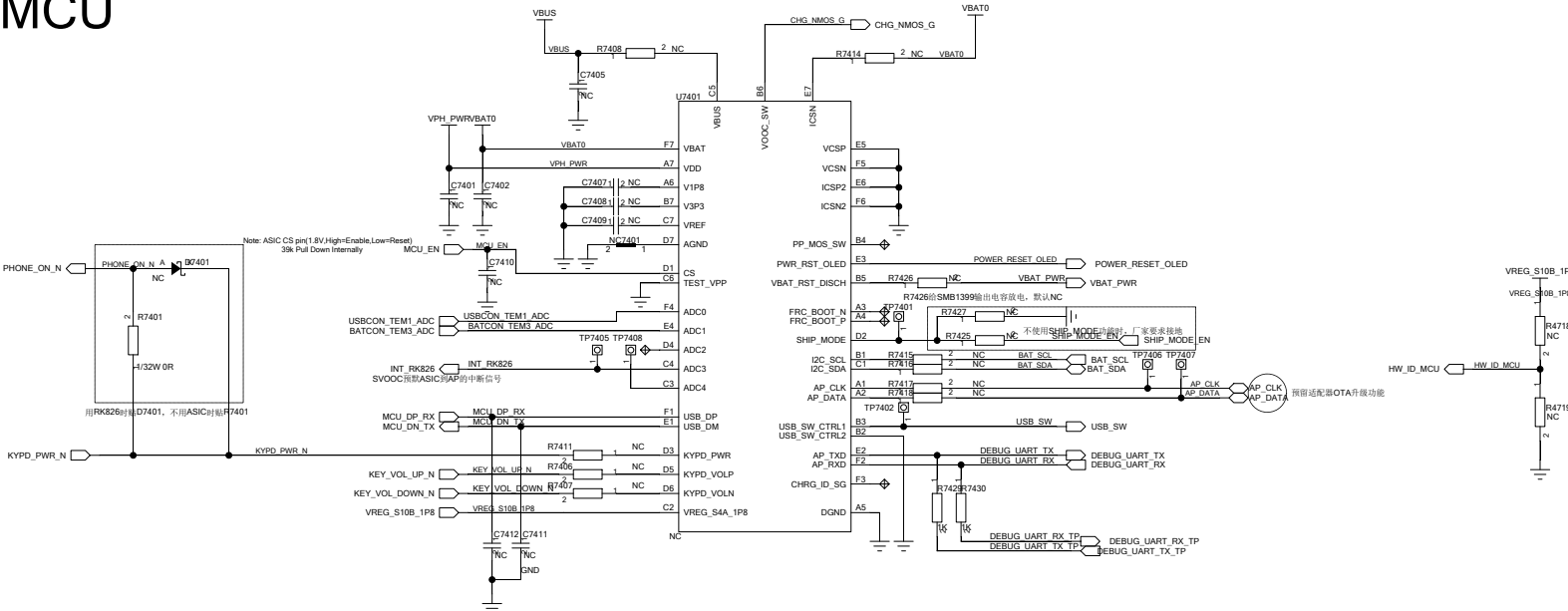
Slave address 0x39

SAR Sensor

	Sign	Date	Type:
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Approved By			

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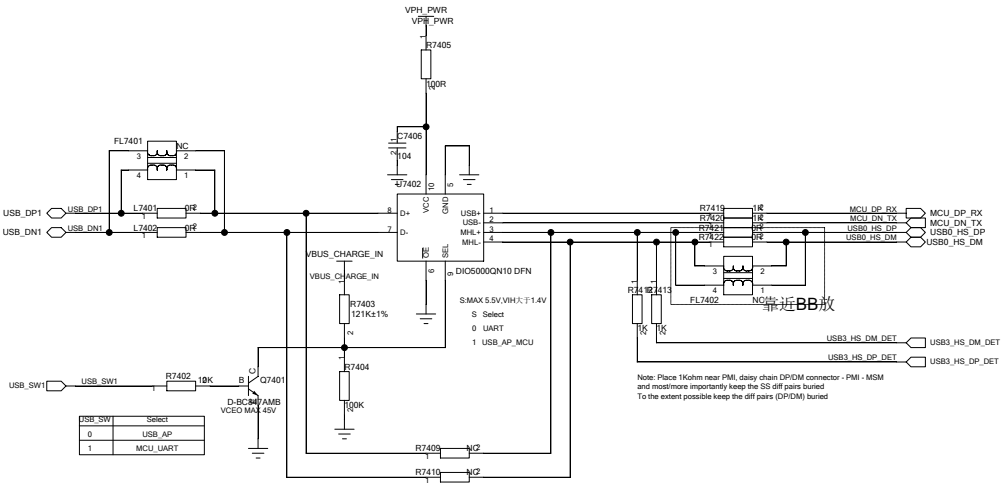
MCU



MCU	Read	Write
RK826	0X15	0X14
SY6610	0X0D	0X0C
RT5125	0X1D	0X1C

ASIC	HW_ID_MCU
RK826	PU
OP10	PD
RT5123	High-Z

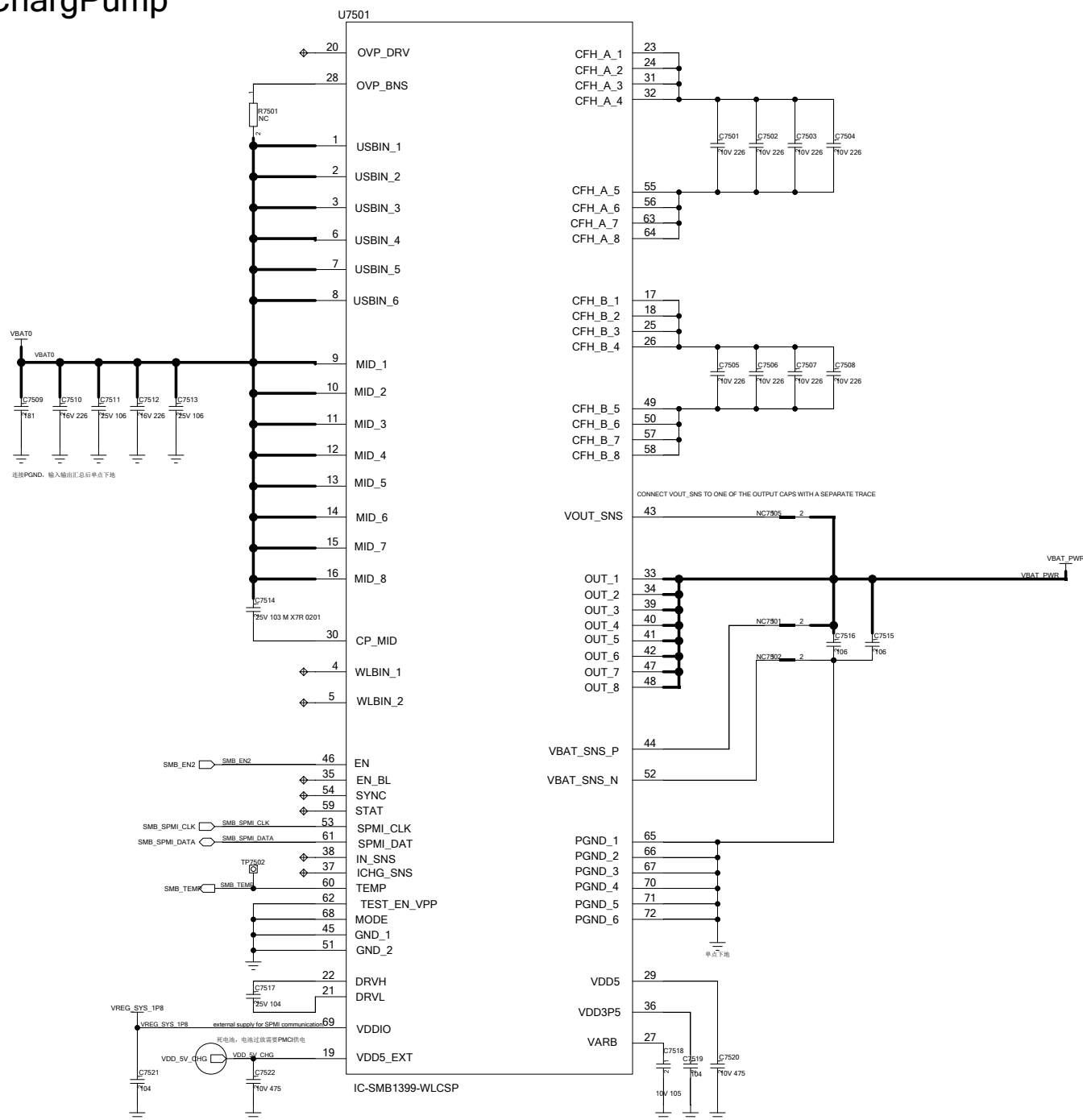
USB开关




Drawn By	Sign	Date	Type
Checked By			Draw No: Schematic
Standard By			Sheet of 83 Ver:
Approved By			



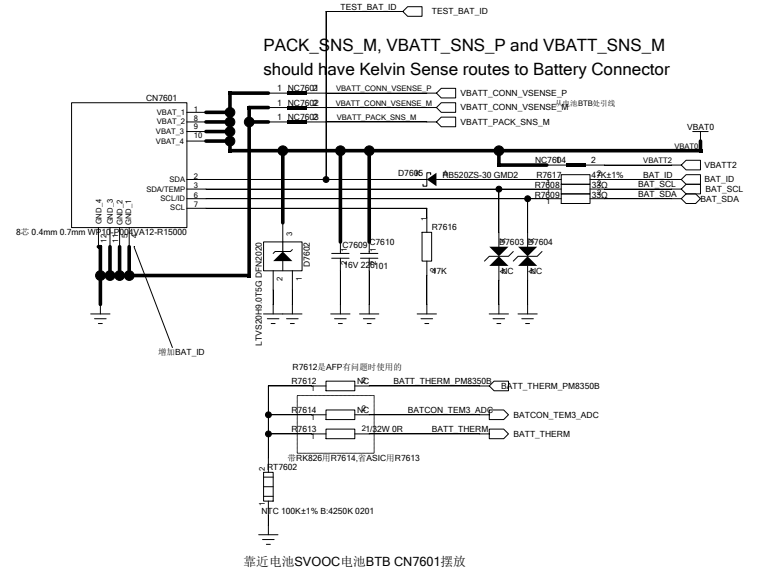
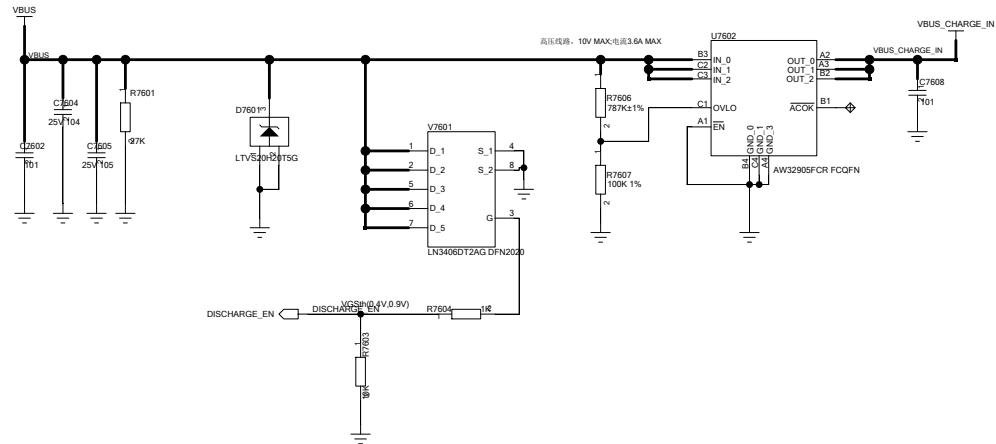
SMB1399 双向ChargPump



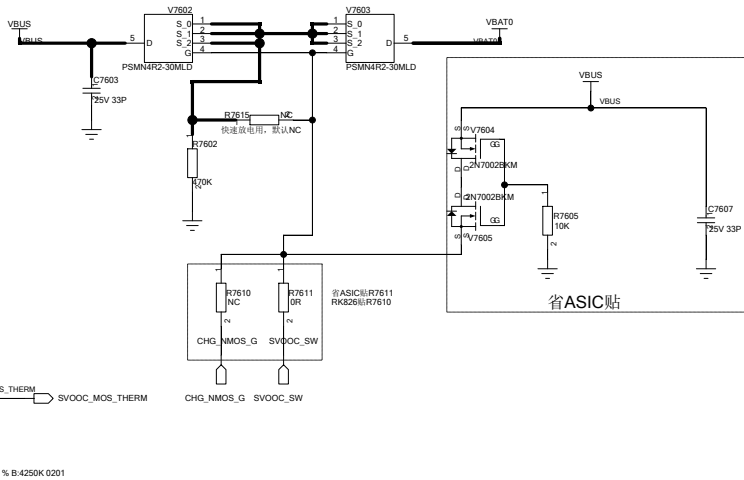
	Sign	Date	Type:	
Drawn By			Draw No: Schematic	
Checked By			Sheet	of 83 Ver:
Standard By				
Approved By				

USB NVP & OVP

Battery Connector-双电芯



SVOOC-MOS

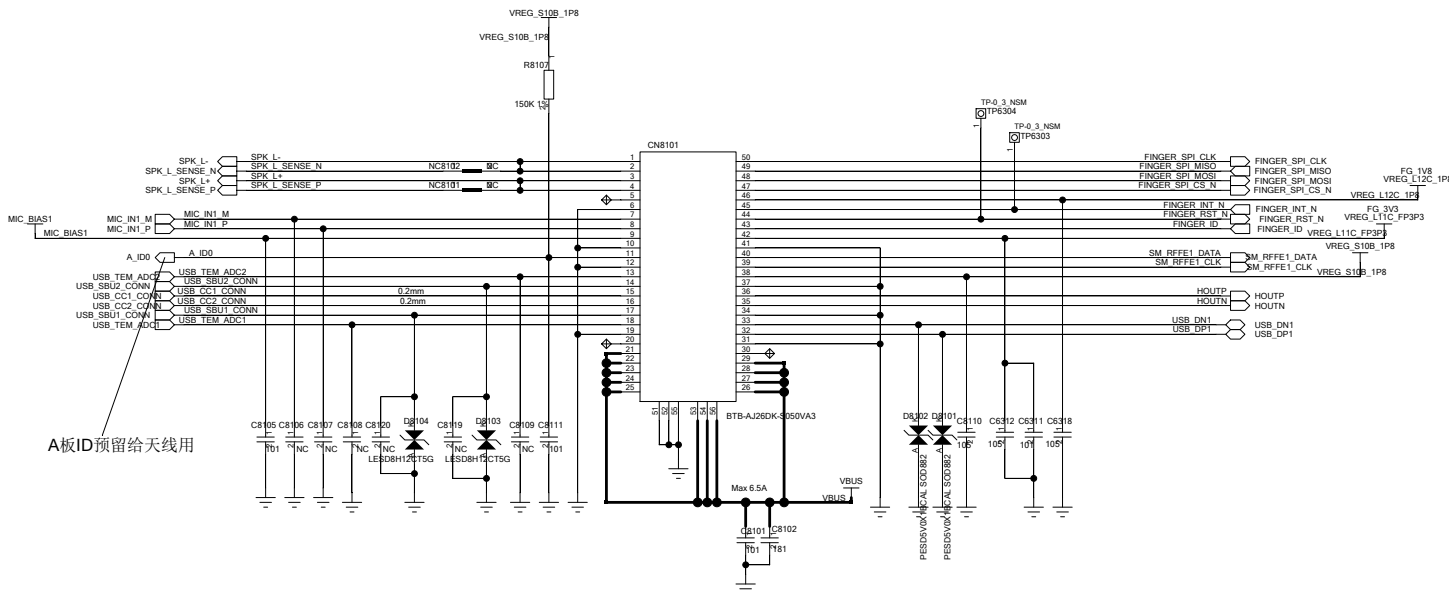


靠近快充MOS放置（离MOS：3到6mm）

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Approved By			

realme

C-BOARD_TO_A-FPC

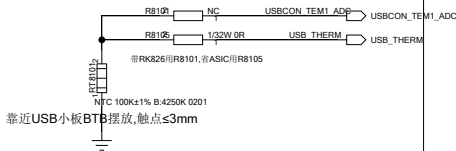


A板ID预留给天线用

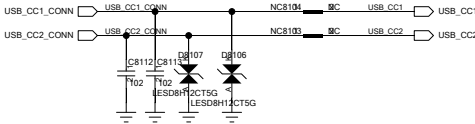
不带ASIC时电路



USB_BTBTNTC



CC Protection

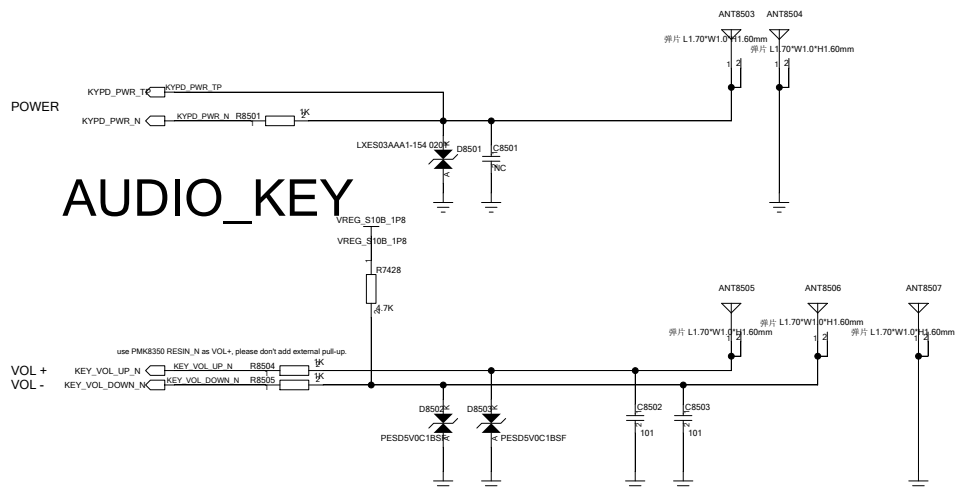


CID

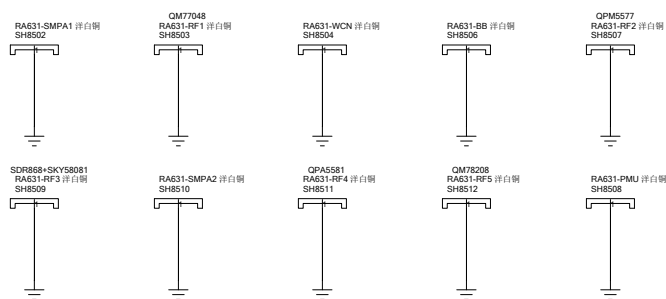
插入检测专用PIN

	Sign	Date	Type:
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Checked By			Sheet of 83 Ver:
Standard By			
Approved By			realme

POWER_KEY



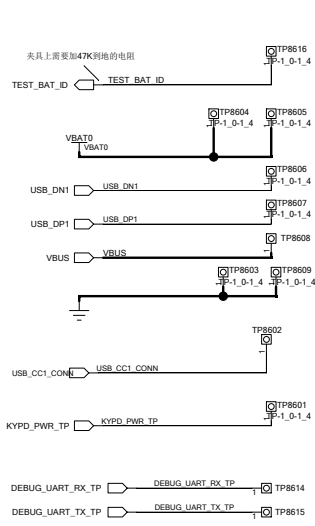
屏蔽罩



Drawn By	Sign	Date	Type
Checked By			Draw No: Schematic
Standard By			Sheet of 83 Ver:
Approved By			

realme

TEST POINT



综测校准测试点 BOOT MODE

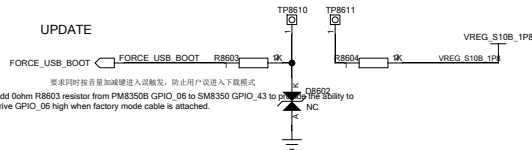
CONF. 0	CONF. 1	Mode
0	0	Factory Mode
0	1	WLAN Final Test
1	0	RF mode
1	1	Ordinary Power On

外部上拉已删除，GPIO口需配成内部输入上拉

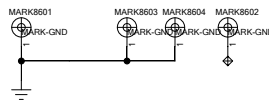


UPDATE

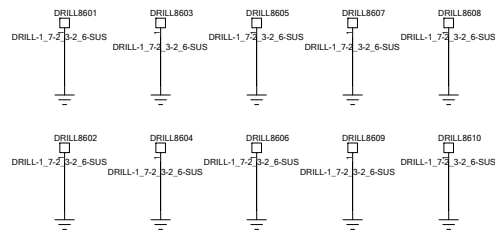
要更新时数字需加键进入更新模式，防止用户误进入下载模式。
Add Oshin R8603 resistor from PM8350B GPIO_06 to SM8350 GPIO_43 to provide the ability to drive GPIO_06 high when factory mode cable is attached.



MARK POINT



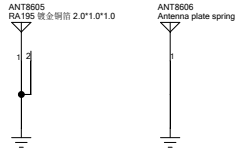
主板螺钉



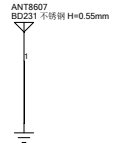
Top面接地弹片



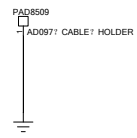
金馒头



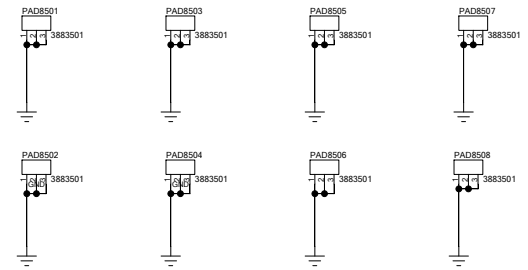
主摄接地弹片



cablE线夹



螺钉垫片



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Approved By		

realme

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F