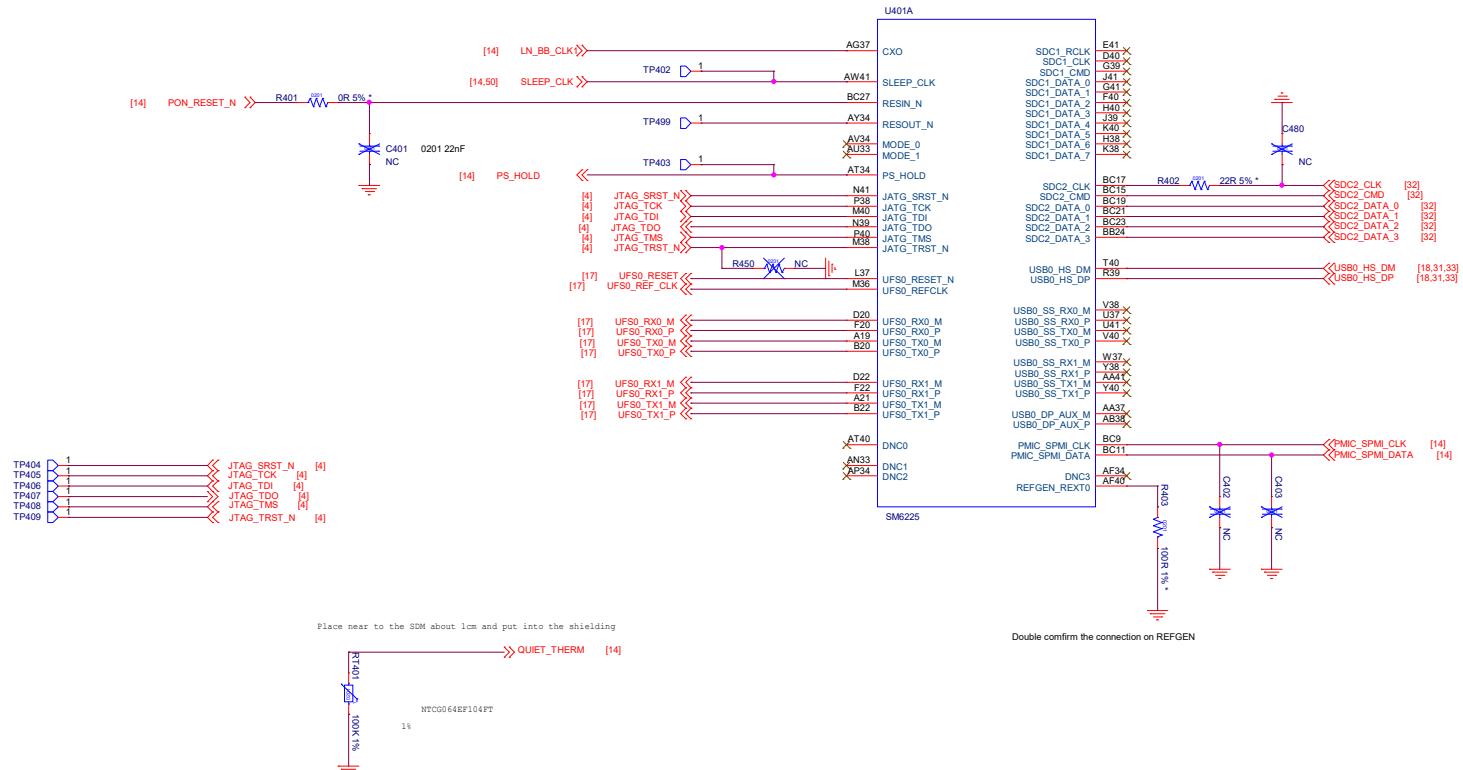


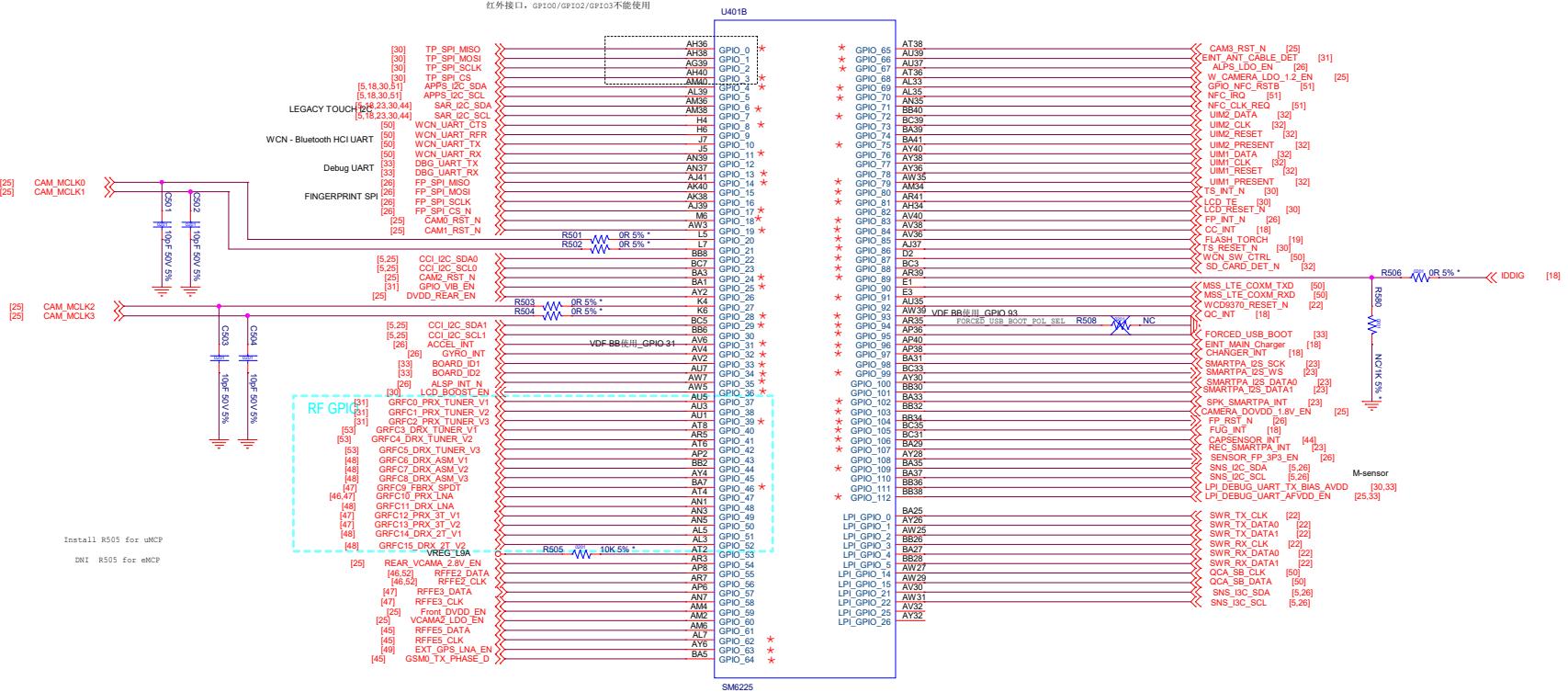
Sheet #	Content	Sheet #	Content
01.	Table of Content	33.	WTR3925
02.	Revision History	34.	TXM_MMMPA
03.	Block Diagram	35.	PRX_DUPLEXER
04.	SM6115_CONTROL	36.	DRX_SAW
05.	SM6115_GPIO	37.	QET4101
06.	SM6115_EBI01	38.	WCN3950
07.	SM6115_MIPI-CSI&DSI	39.	WIFI_GPS
08.	SM6115_WCSS&RF		
09.	SM6115_PWR_1		
10.	SM6115_PWR_2		
11.	SM6115_PWR_3		
12.	SM6115_DECAPS		
13.	SM4250_GND		
14.	PM4250_HK_IO		
15.	PM4250_BUCKs_S1-S8		
16.	PM4250_LDOs		
17.	PMI632_Control		
18.	PMI632_Charger		
19.	PMI632_LCD&VIB&LED&Flash		
20.	eMMC&LPDDR4		
21.	eMMC&LPDDR4_Power		
22.	Battery&USB_IF		
23.	Audio_codec		
24.	EAR&Smart_PA		
25.	CAMERA_IF		
26.	SENSOR		
27.	SIM_TF		
28.	KEY&TEST_POINT		
29.	SUB_CONN		
30.	Display_IF		

0719: R1819封装从0603更换成0805, 从2mohm更换成5mohm;

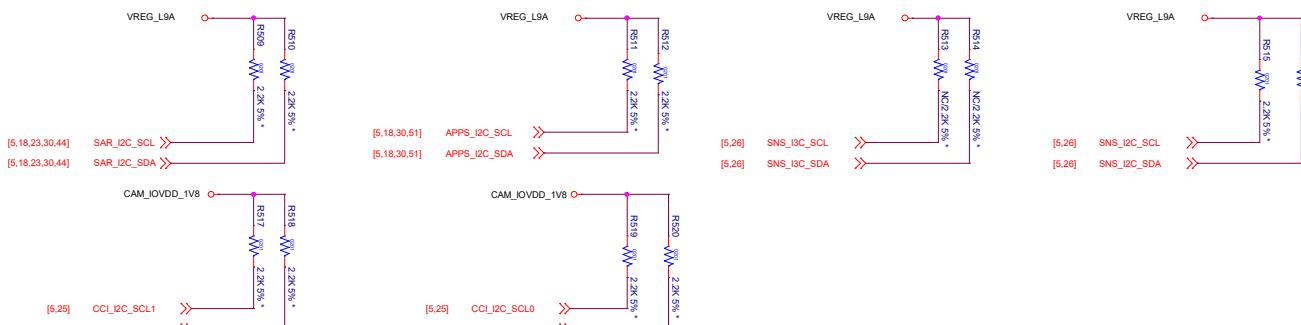




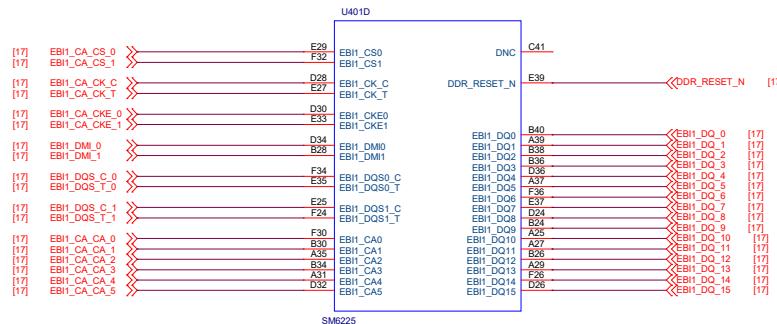
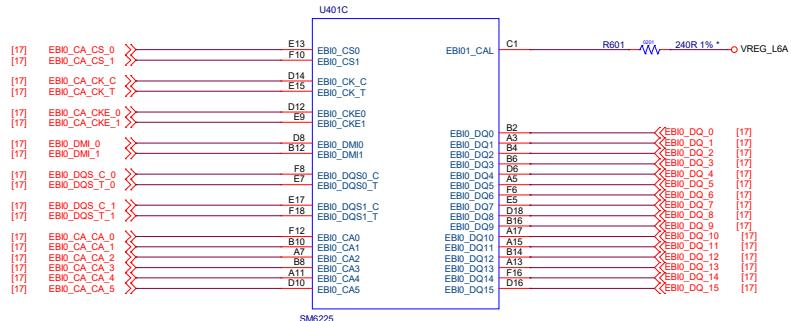
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Date:	Wednesday, March 02, 2022	Sheet 4 of 53



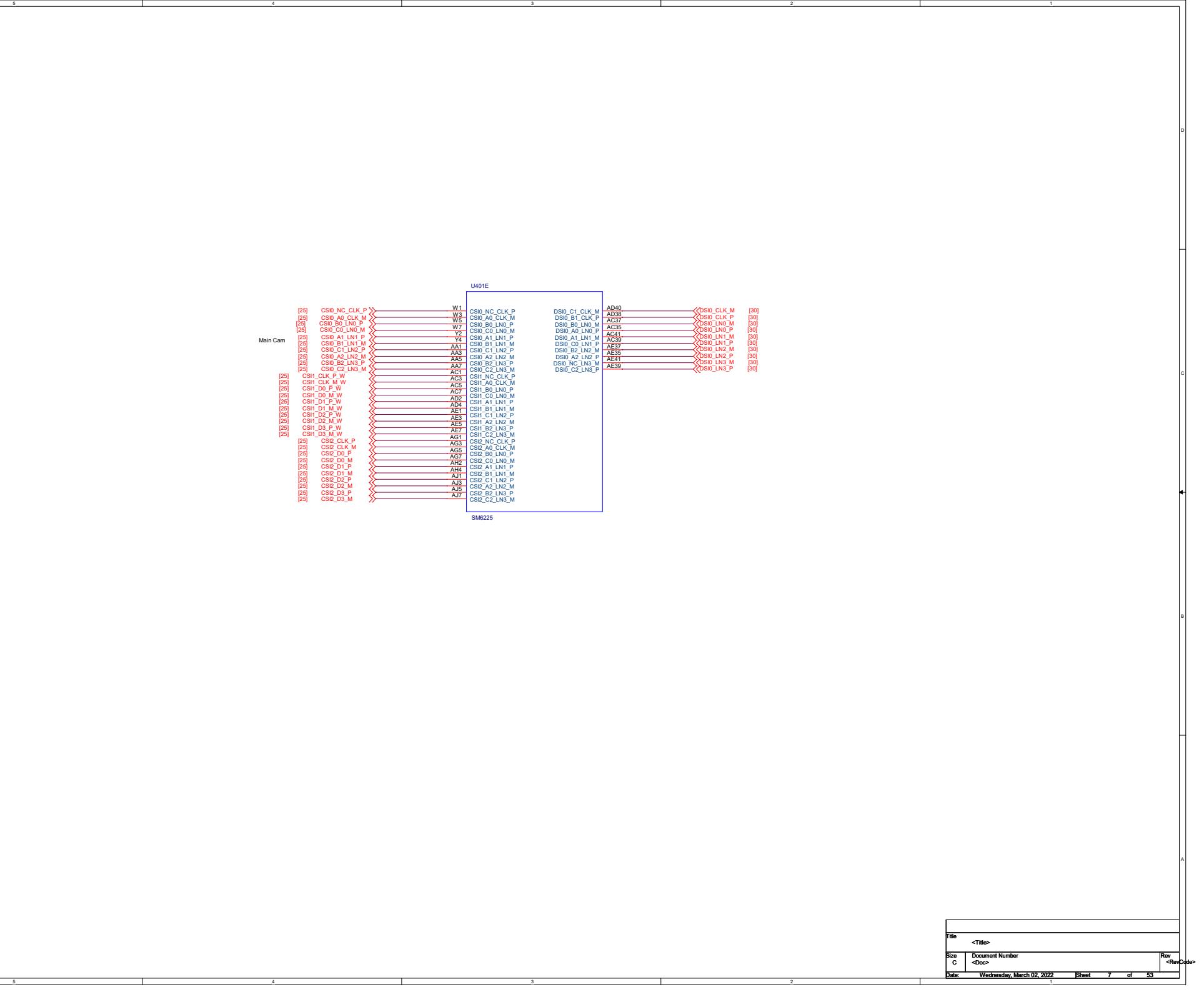
GPIO\_89 should be Pulled Down or pulled up to Vreg\_L9A through 1K resistor when 3rd party charger is used. 1K Pull Down on GPIO\_89 is required for eDL mode USB enumeration and USB Port 0 will be selected in eDL mode for code download.

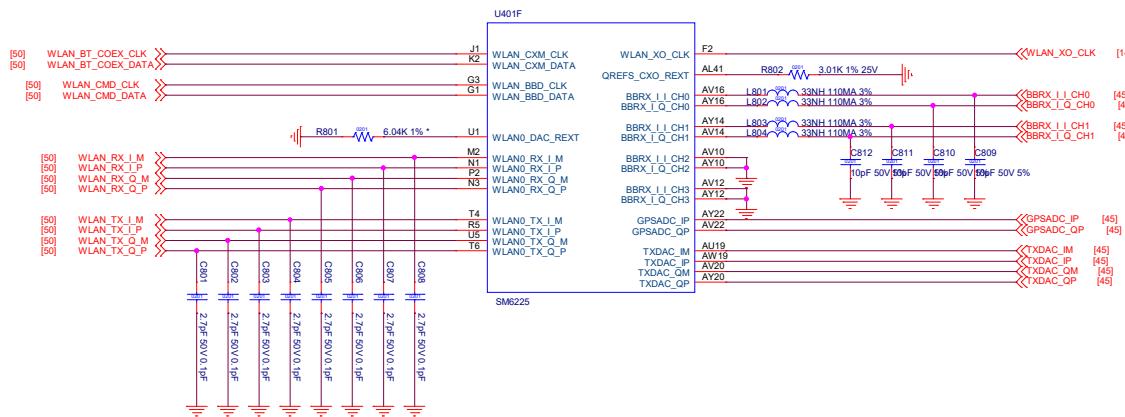


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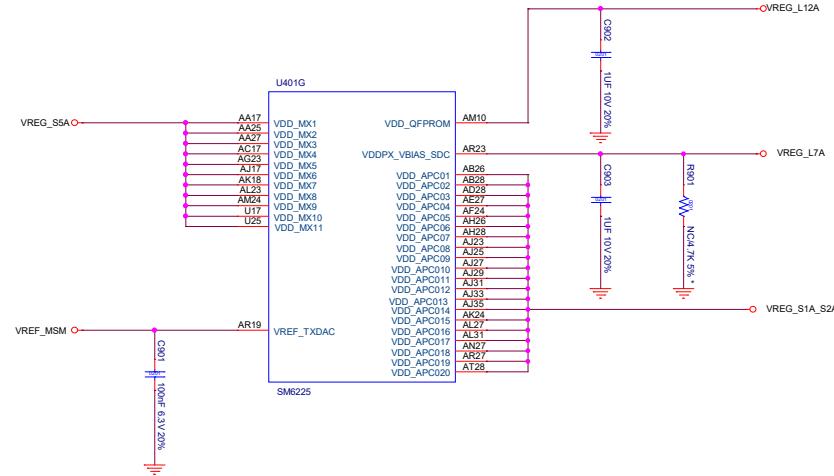


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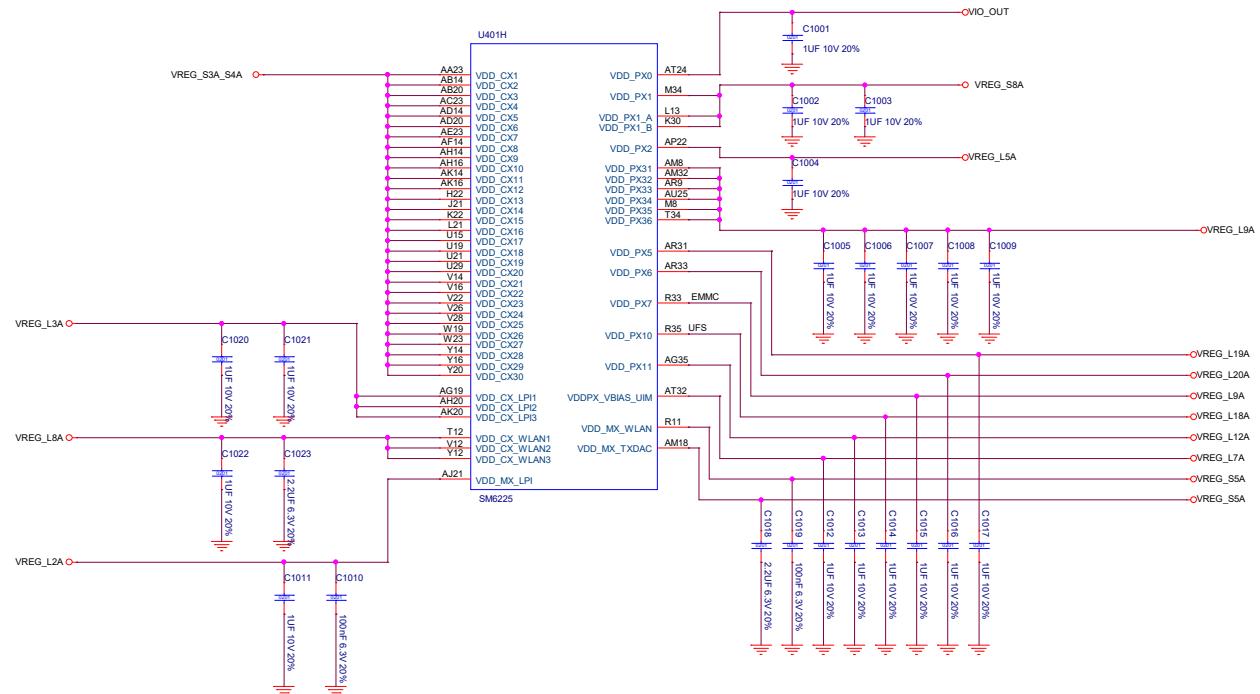




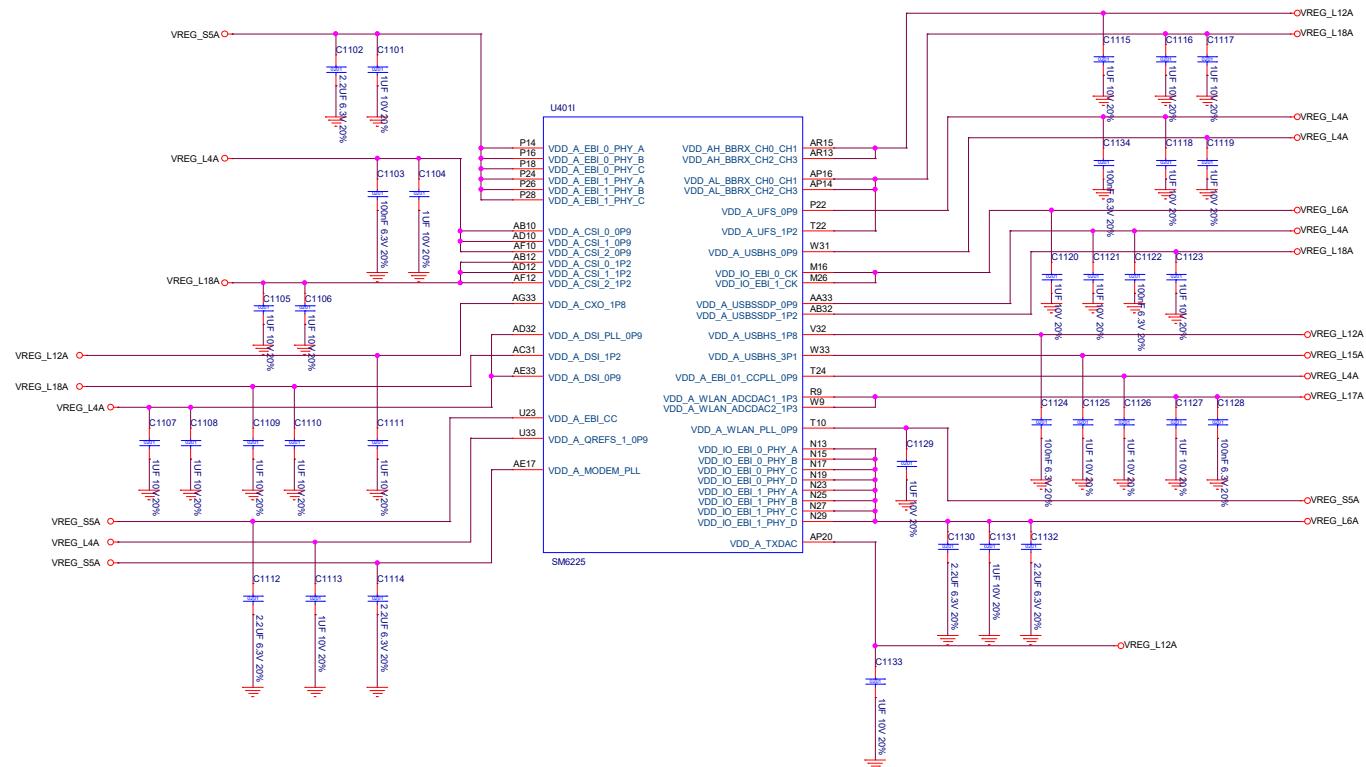
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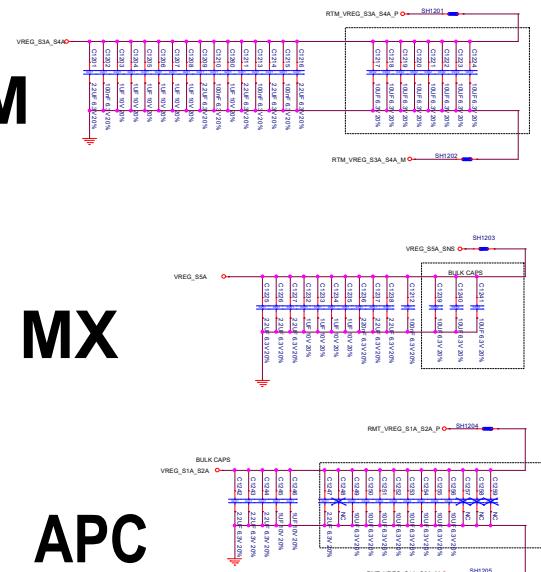
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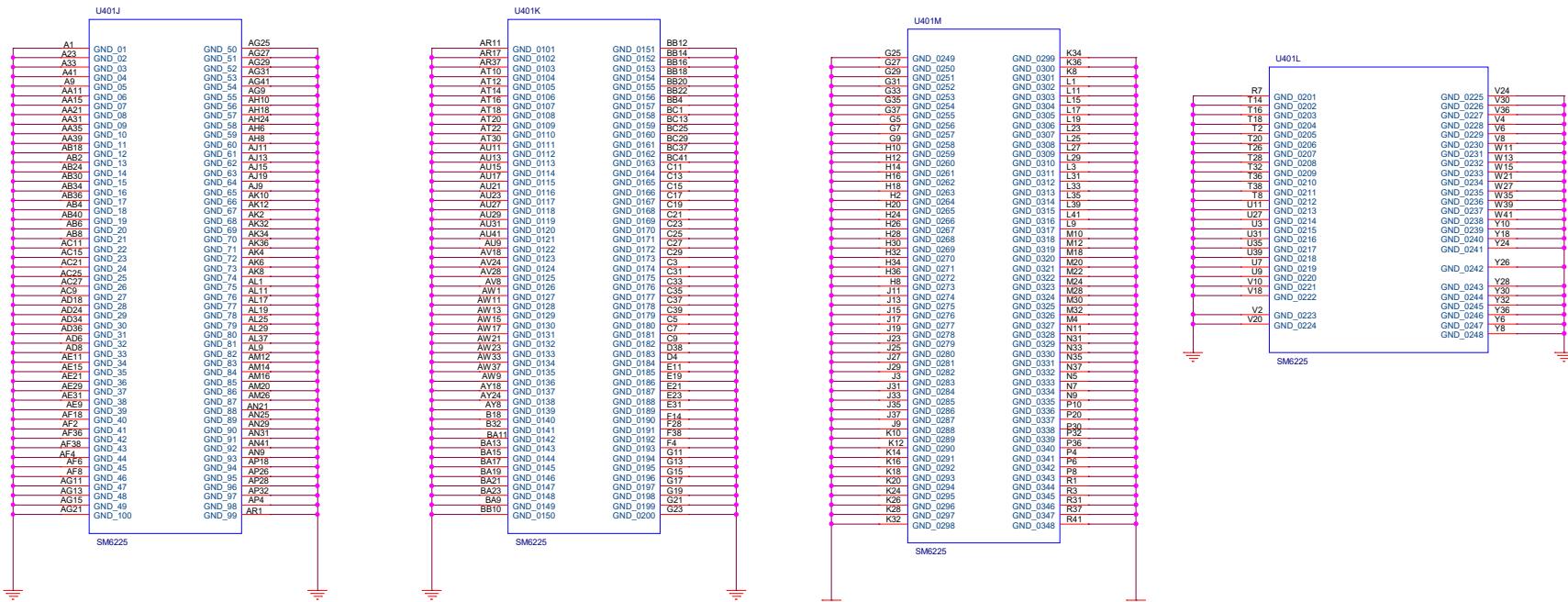


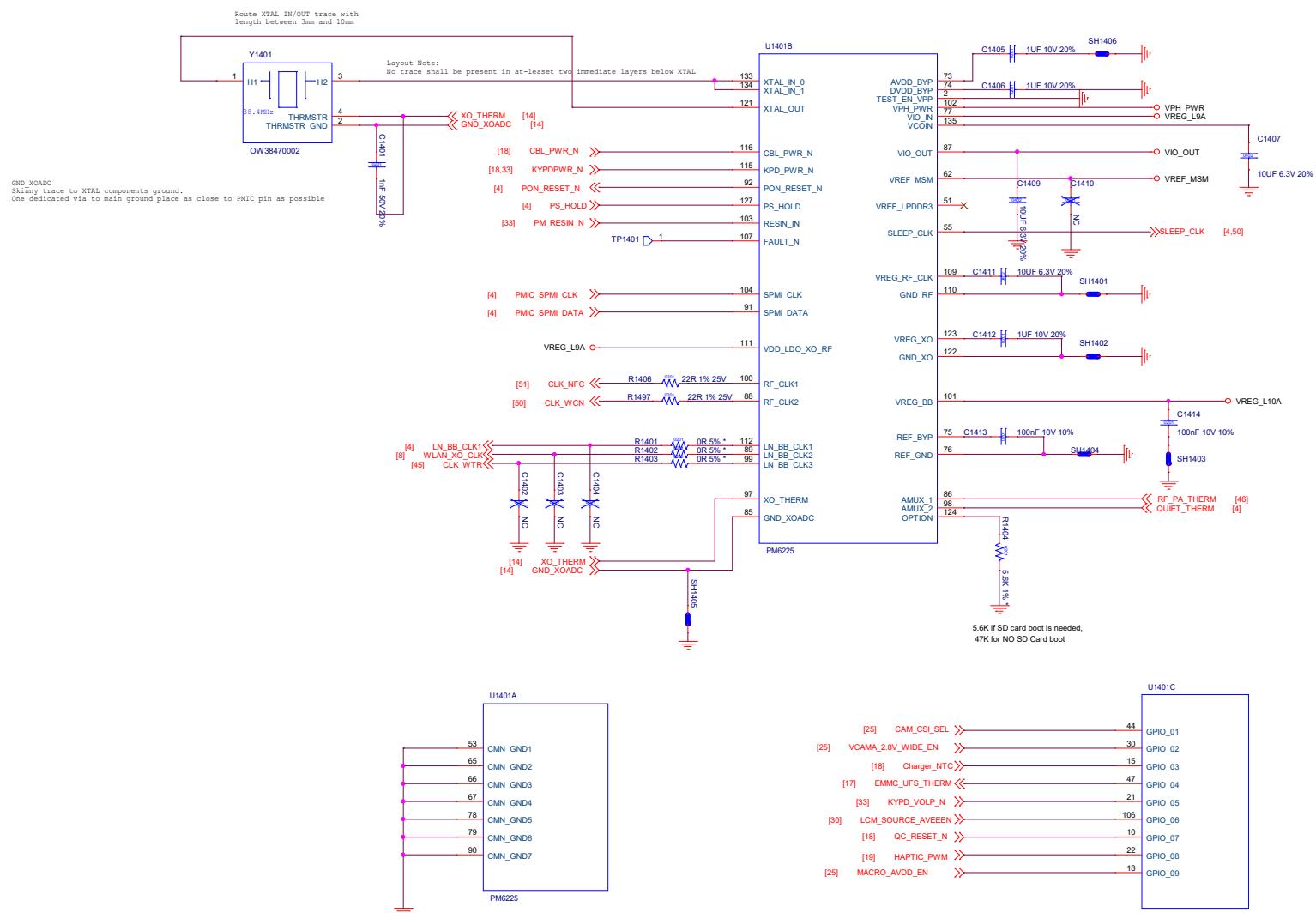
# CX MODEM

MX

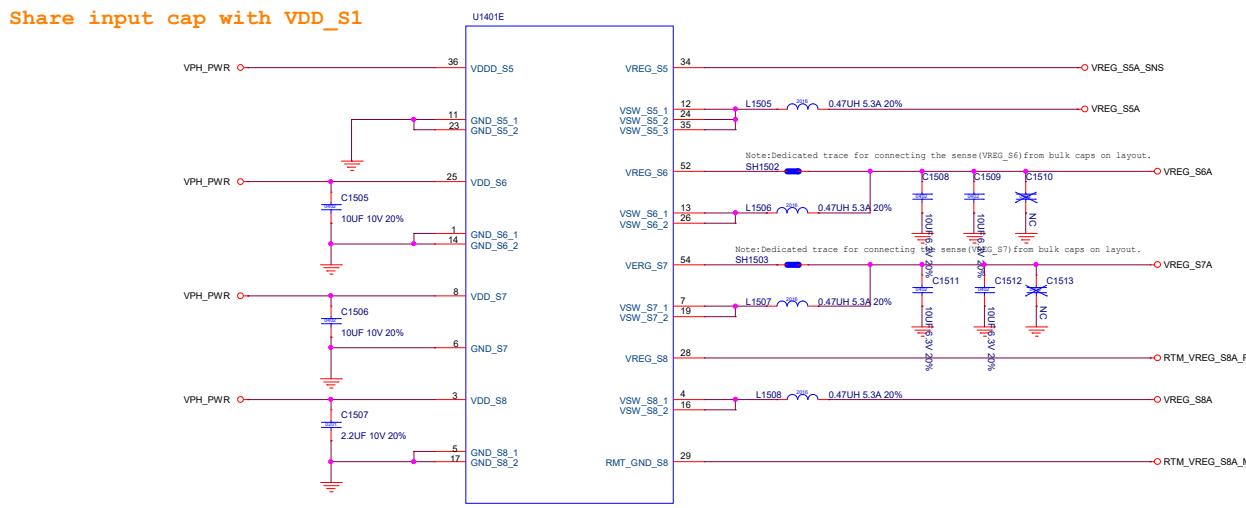
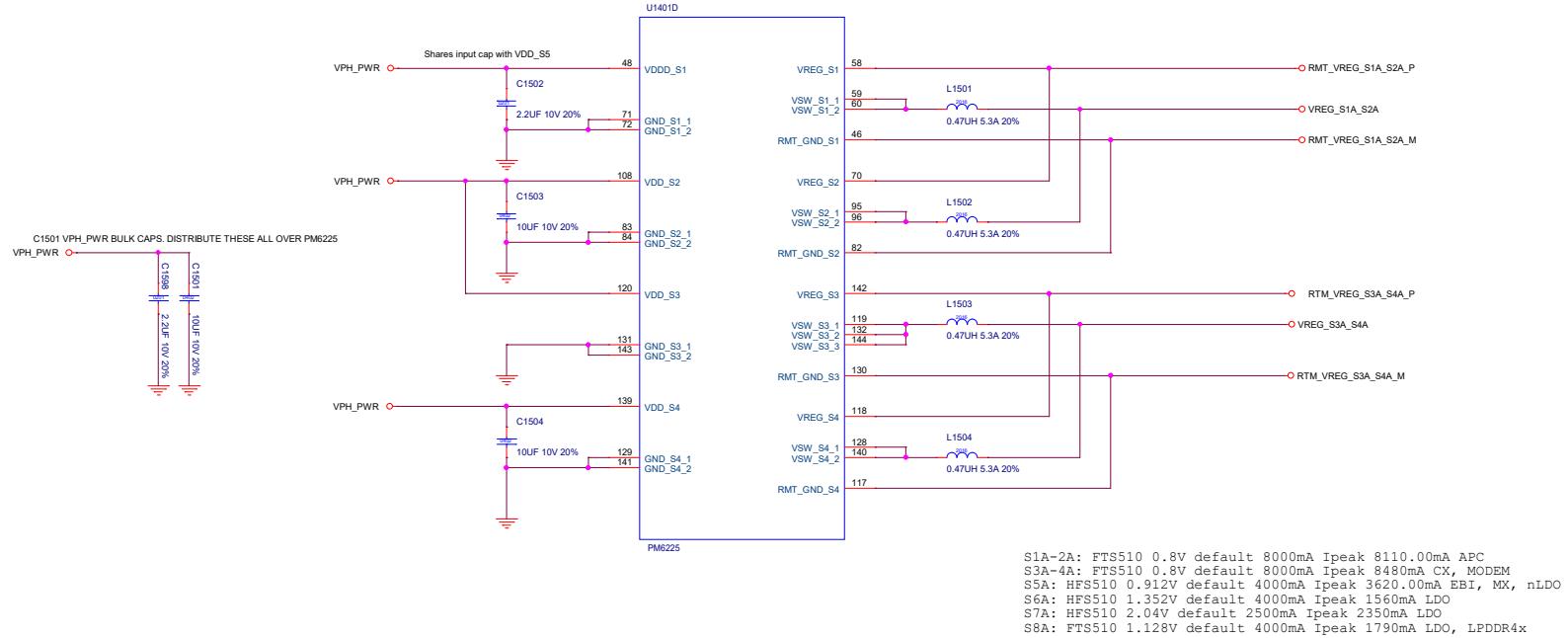
APC



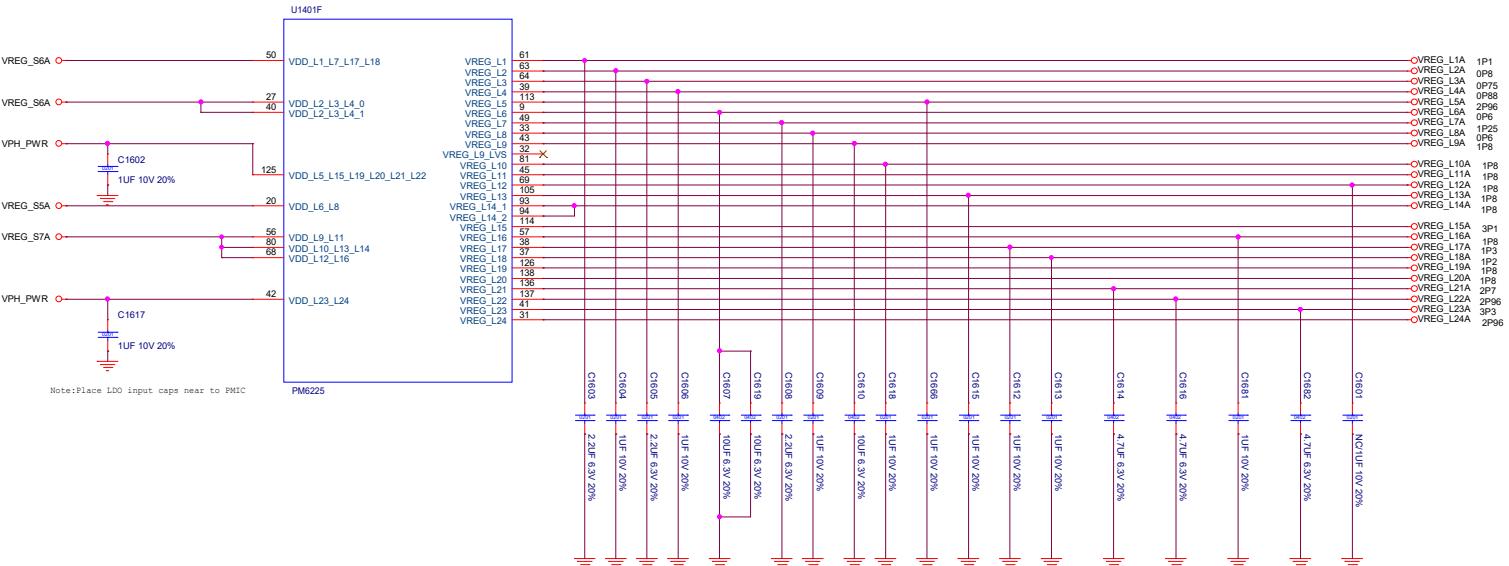




PM6225 part looks fine, but one important point is that GPIO1 should not be used for other purpose. It is part of power on sequence to enable eLDO for USB SS\_DP please refer 80-26896-41 document

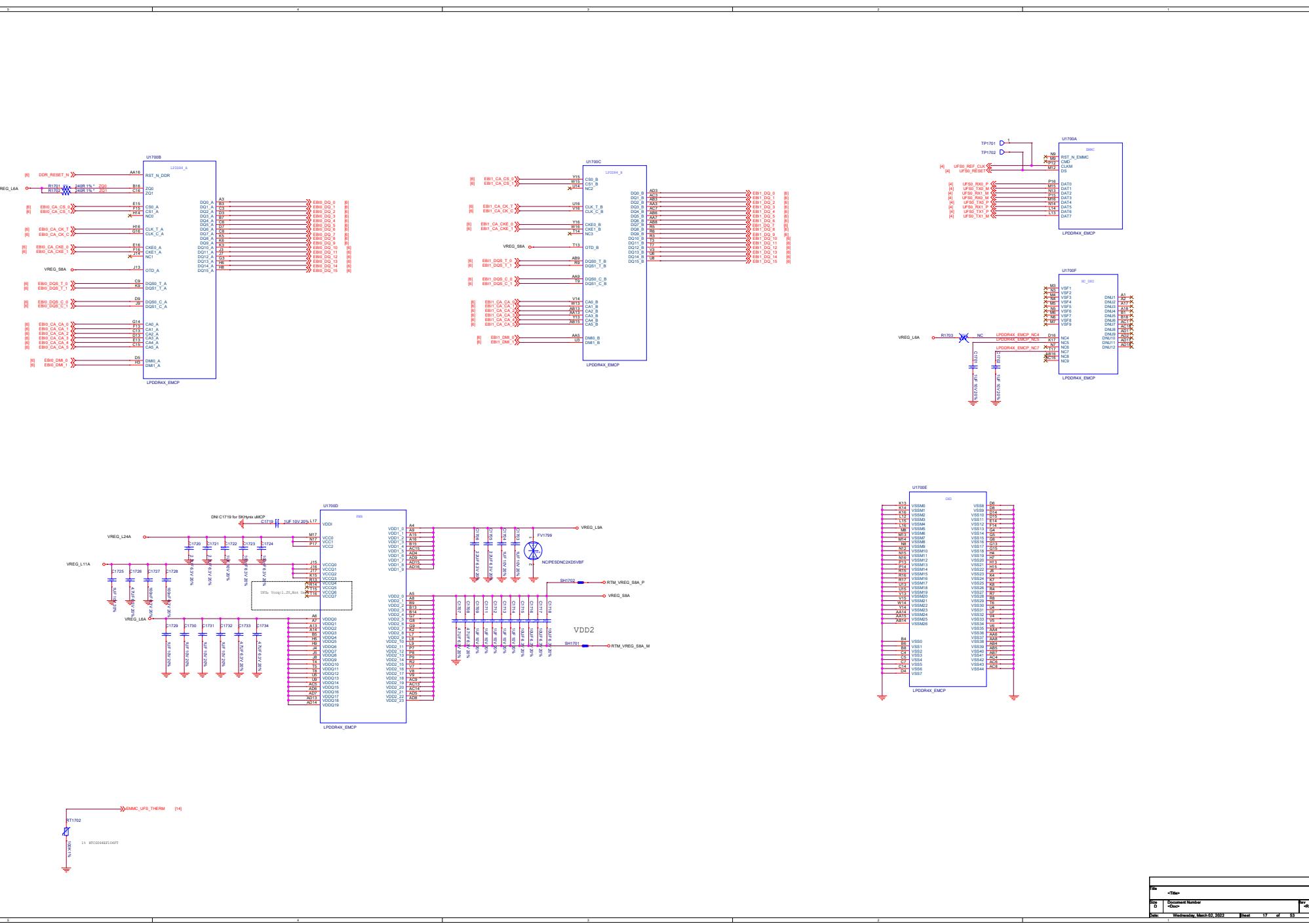


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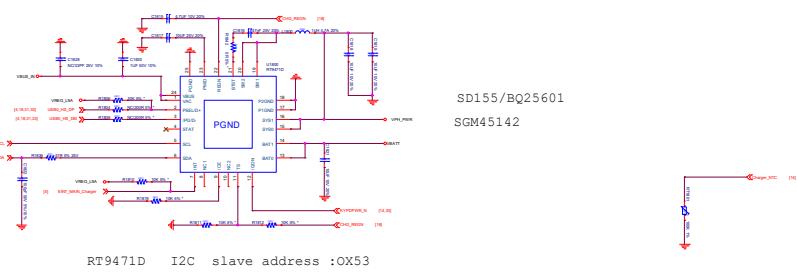


Regulator	Circuit type	$I_{RATED}$ (mA)	Default on booting voltage (V) <sup>1</sup>	Specified range (V)	Programmable range (V)	Default on
L1	N600	600	1.0	0.95–1.15	0.312–1.304	Y
L2	N300	300	0.848	0.498–0.988	0.312–1.304	Y
L3	N600	600	0.8	0.4–1.08	0.312–1.304	Y
L4	N300	300	0.928	0.488–1.0	0.312–1.304	Y
L5	MV P50	50	2.98	1.85–3.05	1.504–3.544	Y
L6	N1200	1200	0.624	0.57–0.65	0.312–1.304	Y
L7	N600	600	1.256	1.2–1.3	0.312–1.304	Y
L8	N300	300	0.664	0.4–0.728	0.312–1.304	Y

Regulator	Circuit type	$I_{RATED}$ (mA)	Default on booting voltage (V) <sup>1</sup>	Specified range (V)	Programmable range (V)	Default on
L9 <sup>2</sup>	LV P600	600	1.8	1.8–2.0	1.504–2.000	Y
L10	LV P150	150	1.8	1.7–1.9	1.504–2.000	Y
L11	LV P600	600	1.8	1.7–1.95	1.504–2.000	Y
L12	LV P300	300	1.8	1.62–1.98	1.504–2.000	Y
L13	LV P300	300	1.8	1.5–1.95	1.504–2.000	Y
L14	LV P600	600	1.8	1.7–1.9	1.504–2.000	N
L15	MV P150	150	3.128	2.92–3.23	1.504–3.544	Y
L16	LV P150	150	1.8	1.7–1.9	1.504–2.000	N
L17	N300	300	1.304	1.15–1.38	0.312–1.304	N
L18	N300	300	1.232	1.1–1.312	0.312–1.304	Y
L19	MV P150	150	1.8	1.62–3.3	1.504–3.544	N
L20	MV P150	150	1.8	1.62–3.3	1.504–3.544	N
L21	MV P600	600	2.704	2.4–3.6	1.504–3.544	N
L22 <sup>3</sup>	MV P600	600	2.96	2.05–3.3	1.504–3.544	Y
L23	MV P600	600	3.304	3.2–3.4	1.504–3.544	N
L24	MV P600	600	2.96	2.7–3.6	1.504–3.544	Y

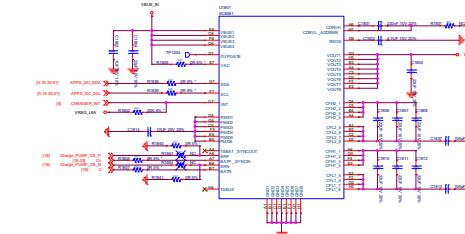


### Switching Charger Power Path

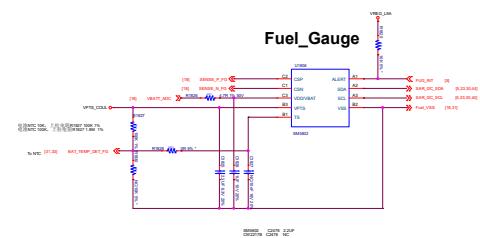


### Charge PUMP

M320

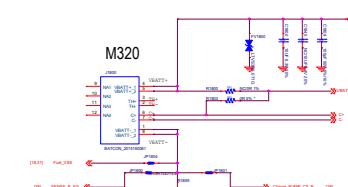


### Fuel\_Gauge

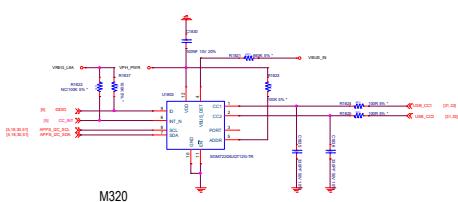


QC3.0+

M320

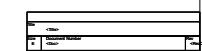


### CC logic

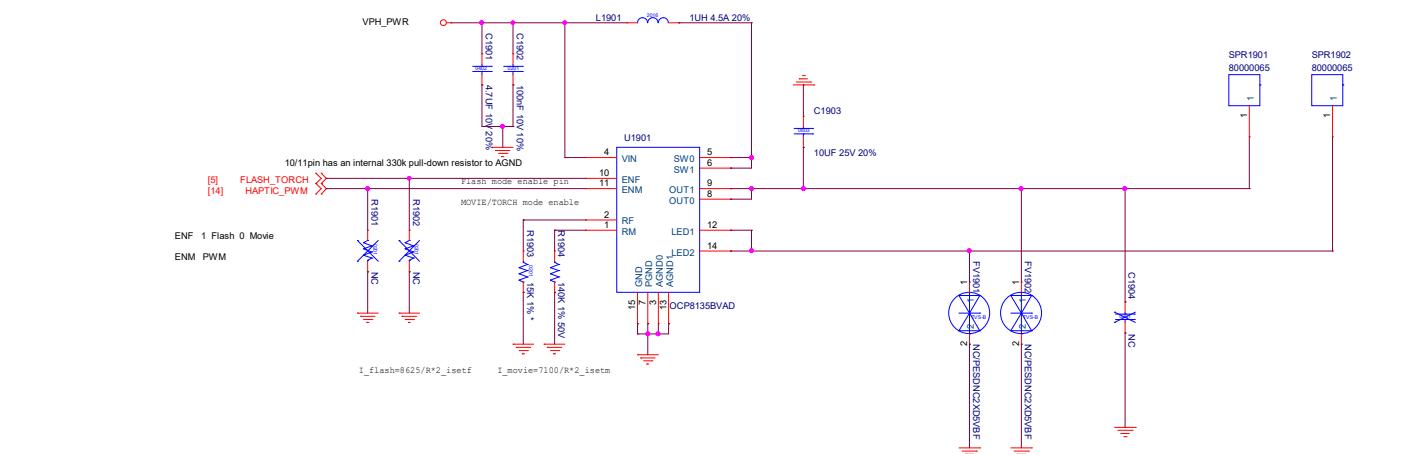


Battery Connector

见电原理图



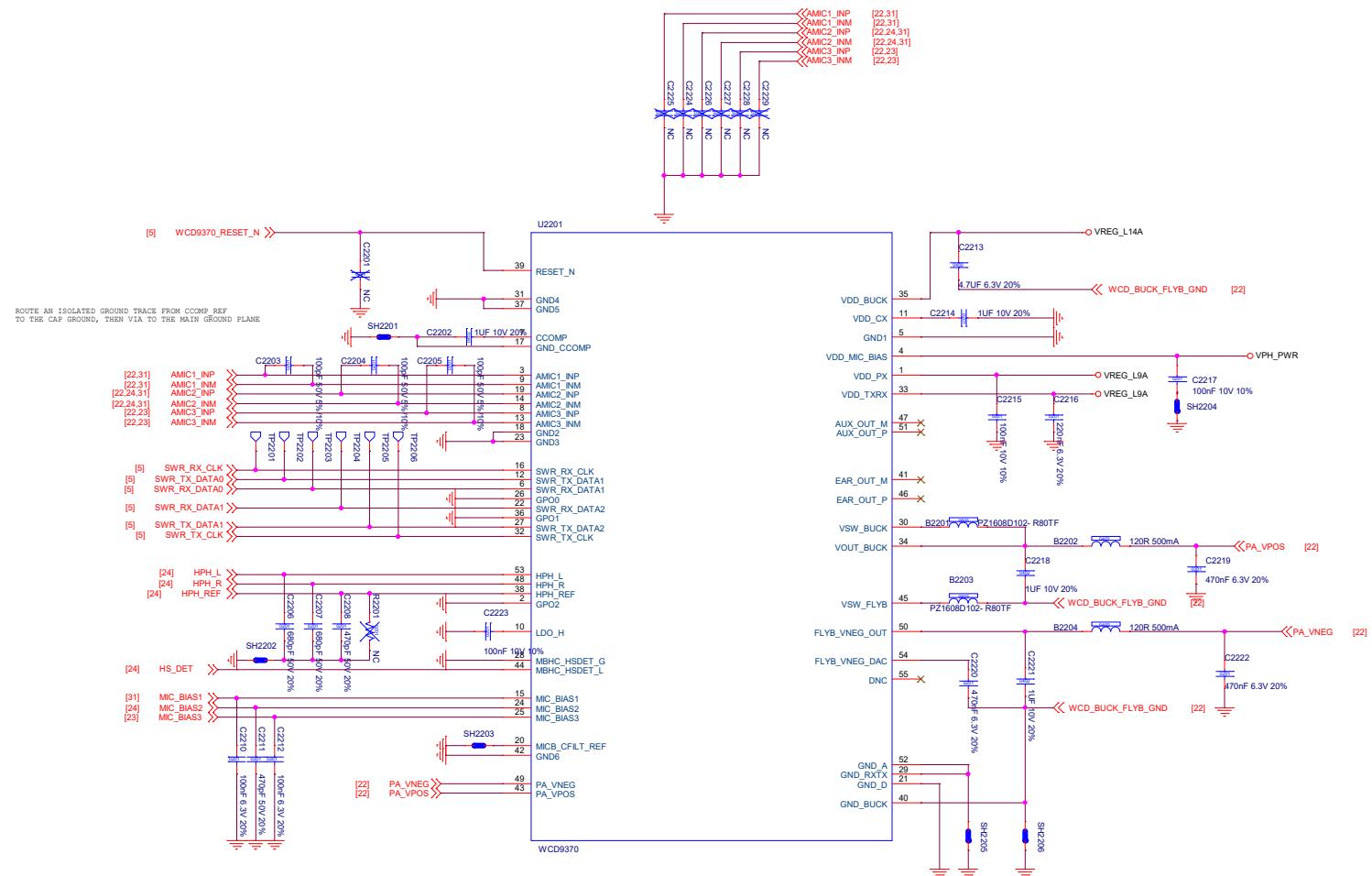
# Flash LED Driver



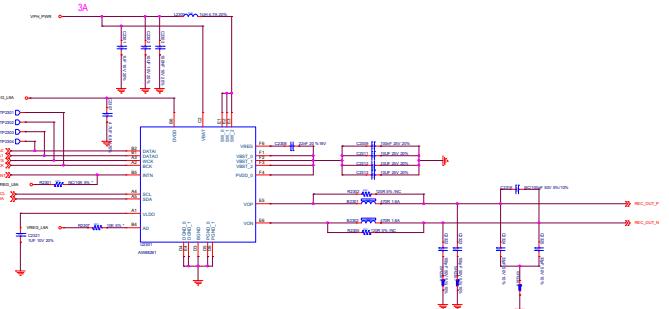
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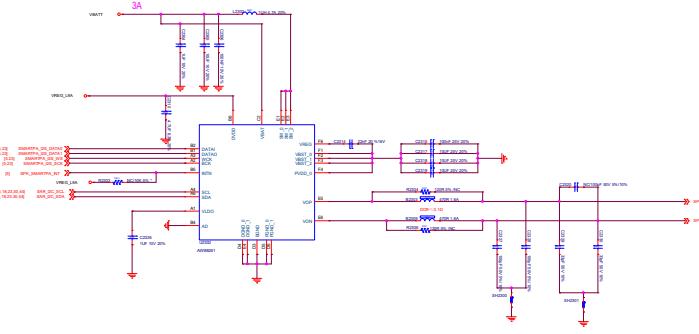
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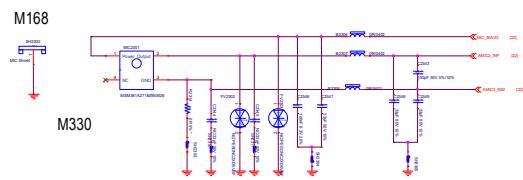
## PA FOR REC



## PA FOR SPK

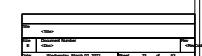


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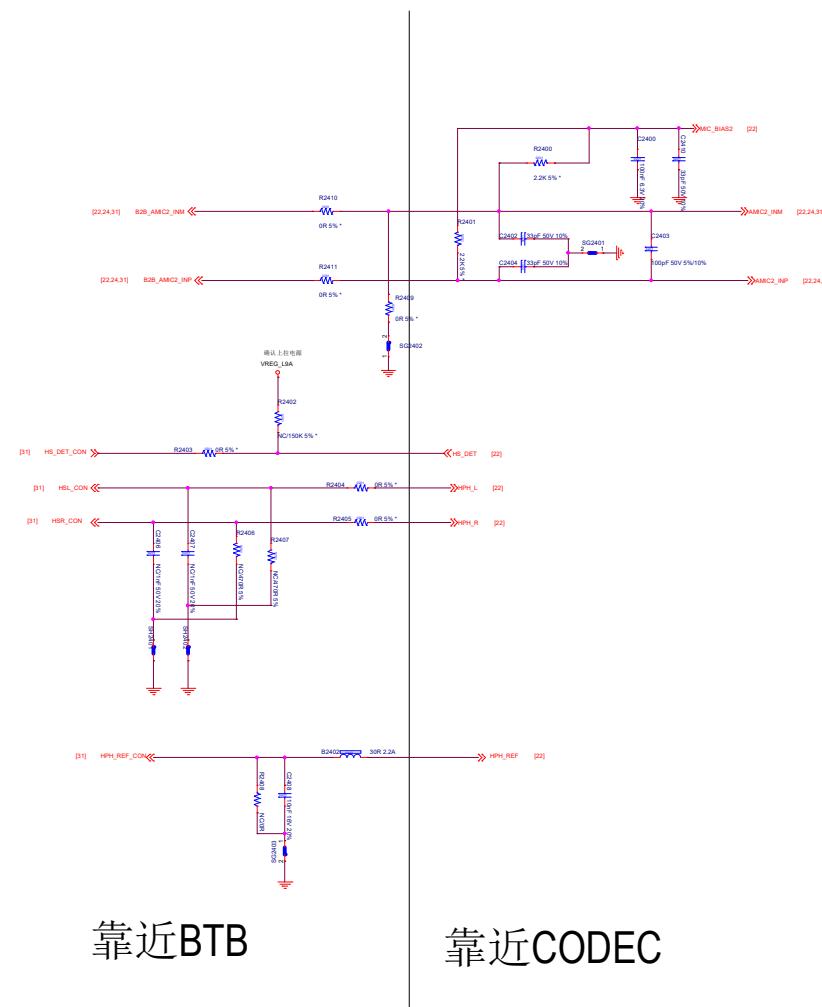


REC

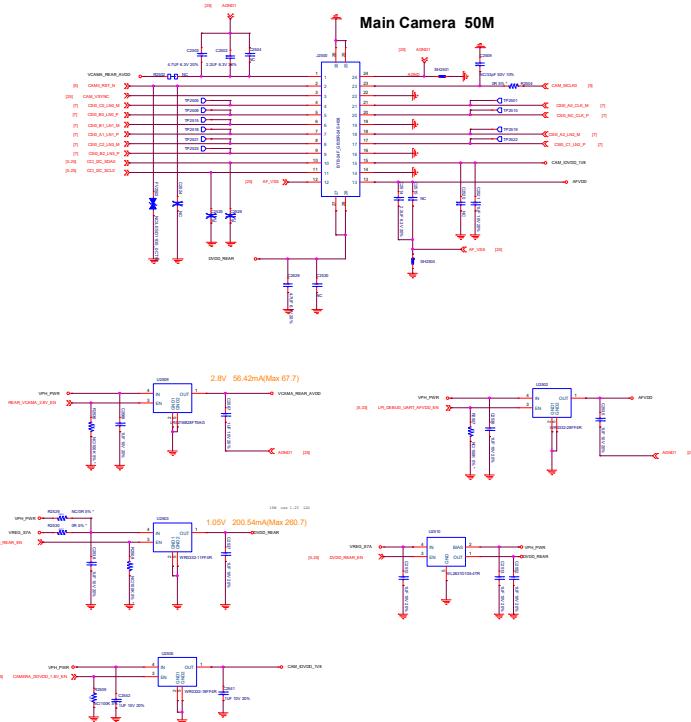
M168



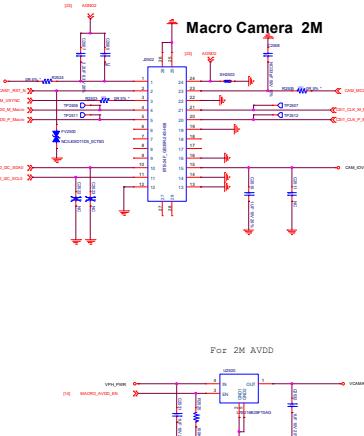
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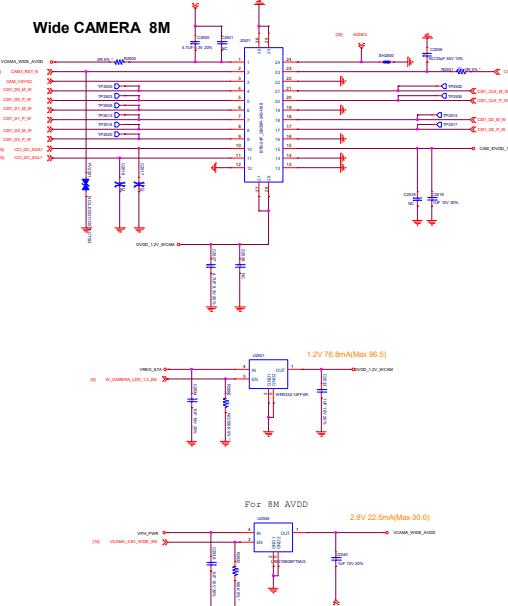
Real Camera 50M						
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1st Q-tech	C1QA07	2.8V Max 4.2mA	2.05V Max 1.6mA	1.8V Max --	2.8V Max --	0x42(R) 0x43(W)
2nd Sunny	AS1002C	2.8V Max 4.2mA	2.05V Max 1.6mA	1.8V Max --	2.8V Max --	0x42(R) 0x43(W)



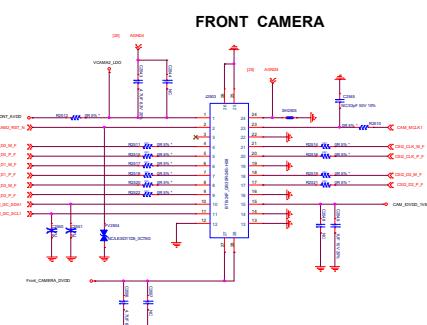
Macro Camera 2M						
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1st OFILM	OVO2D10-A23A	2.8V Max --	S/A Max --	1.8V Max --	2.8V Max --	0x42(R) 0x43(W)
2nd Sunwin	OVO2D10-A23A	2.8V Max --	S/A Max --	1.8V Max --	2.8V Max --	0x42(R) 0x43(W)



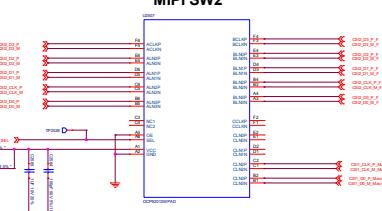
Wide CAMERA 8M						
Manufacturer	Manufacturer P/N	AVDD	DVDD	I2CDD	AVDDC	I2C Address
1st Q-tech	C05F28	2.8V Max 4.2mA	2.25mA Max 1.6mA	1.8V Max --	2.8V Max --	0x5A(W) 0x5B(R)
2nd OFILM	L48TF12	2.8V Max 4.2mA	2.25mA Max 1.6mA	1.8V Max --	2.8V Max --	0x5A(W) 0x5B(R)



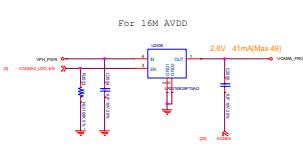
FRONT CAMERA						
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1st OFILM	L1183AP20	2.8V Max 49	1.1V Max 49	1.8V Max 115	2.8V Max --	0x42(R) 0x43(W)
2nd TS-Precision	PHDF1366	2.8V Max 49	1.1V Max 49	1.8V Max 115	2.8V Max --	0x42(R) 0x43(W)



## MIPI SW2

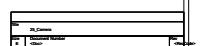


## FRONT CAMERA

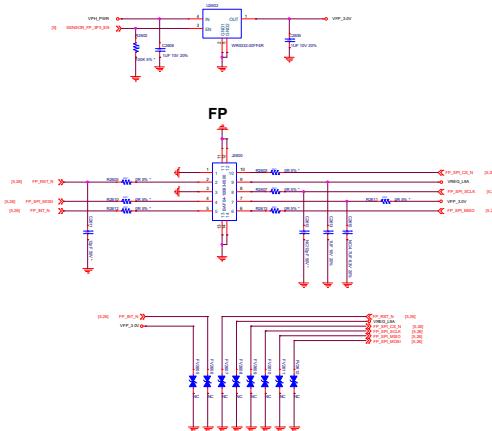
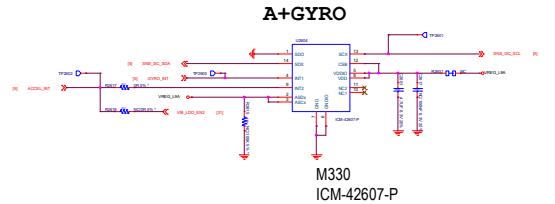


## 2M Macro Camera

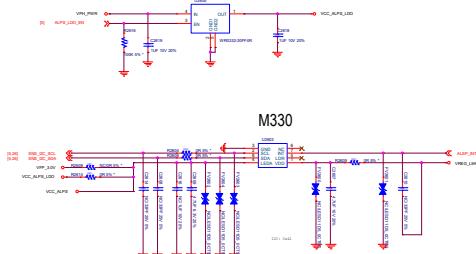
The same to M320



## A-Sensor



## M SENSOR

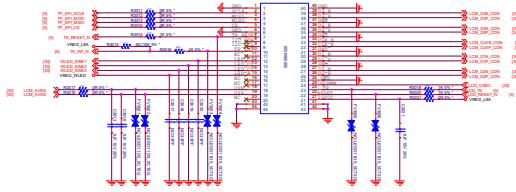


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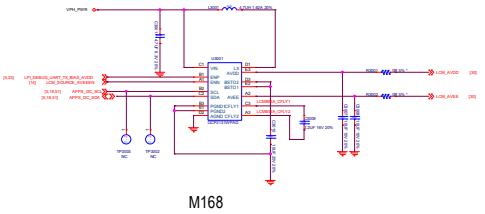
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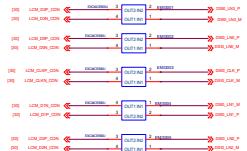
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## LCM BIAS

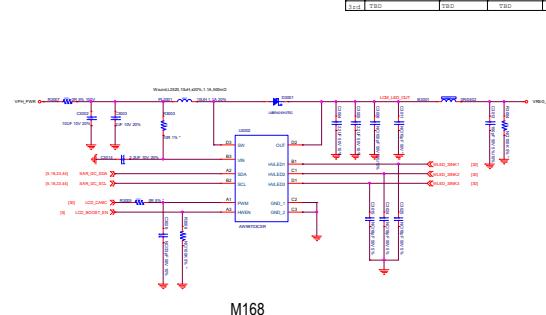


M168

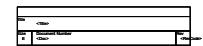


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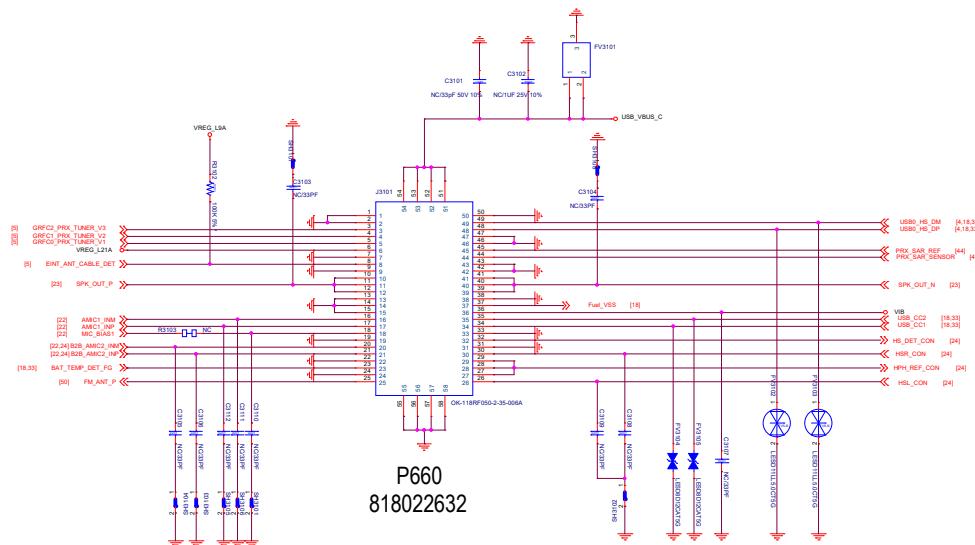
LCM Backlight Driver



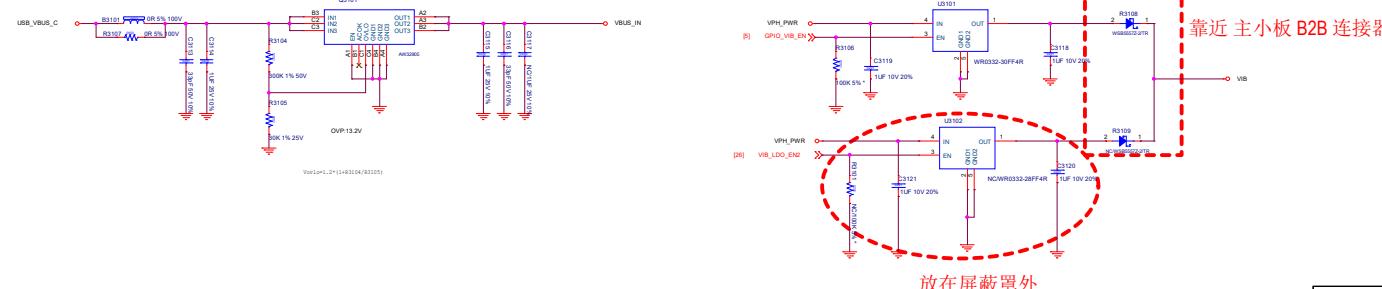
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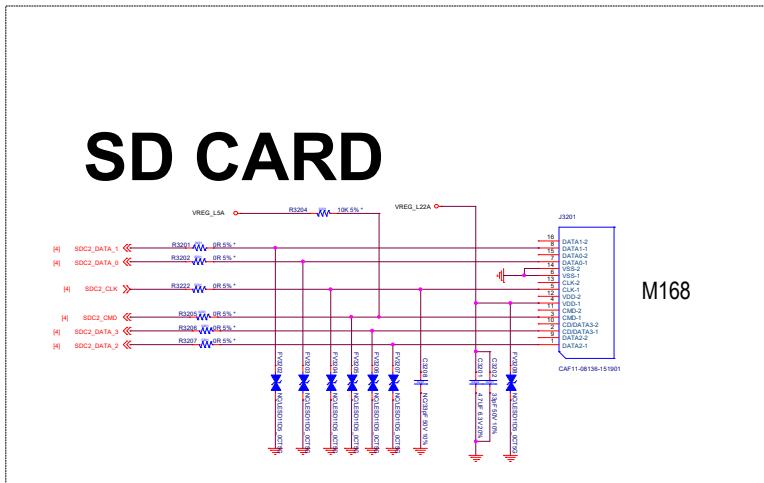


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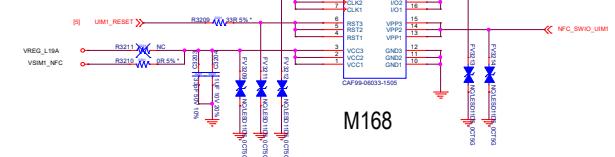


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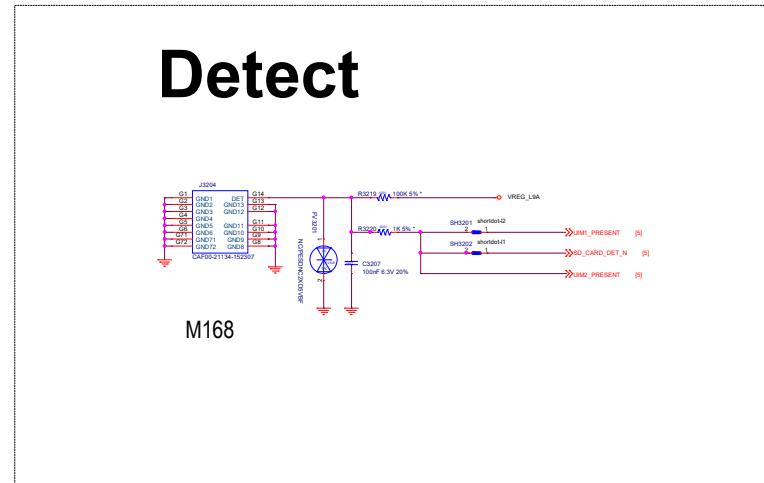
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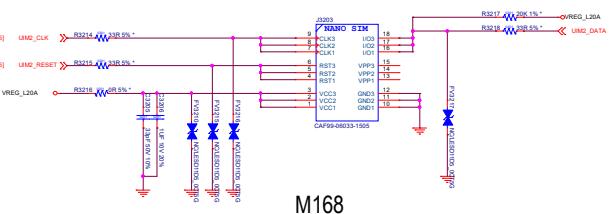
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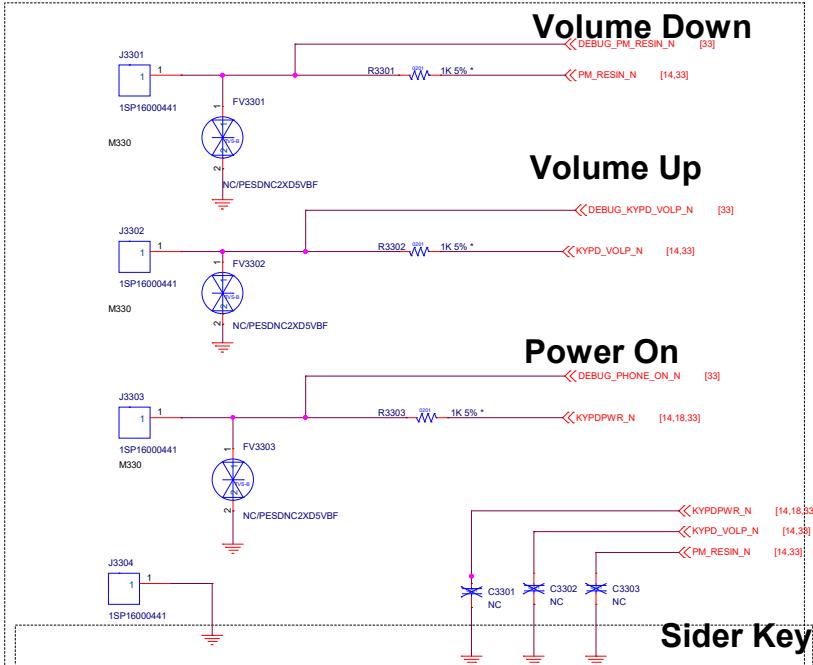


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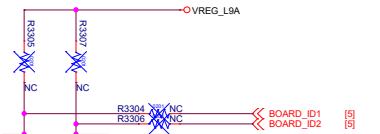


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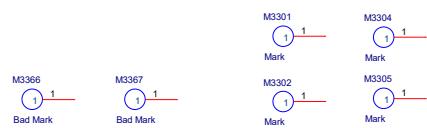


## HW\_ID

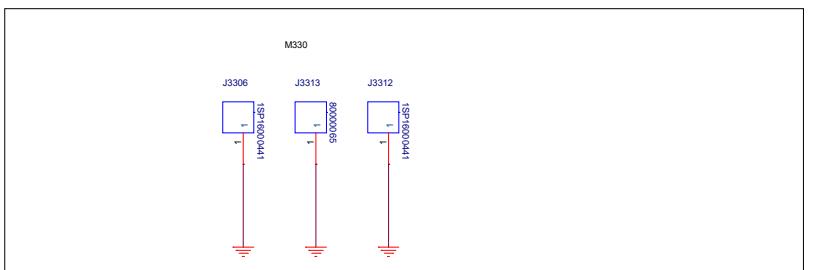
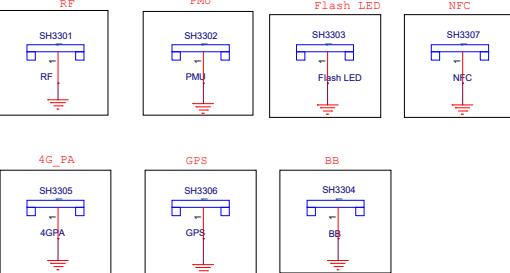


## Marks point

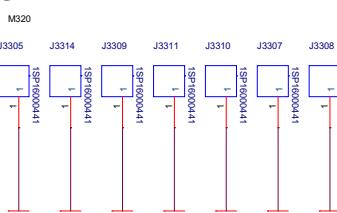
螺丝接地孔



屏蔽盖



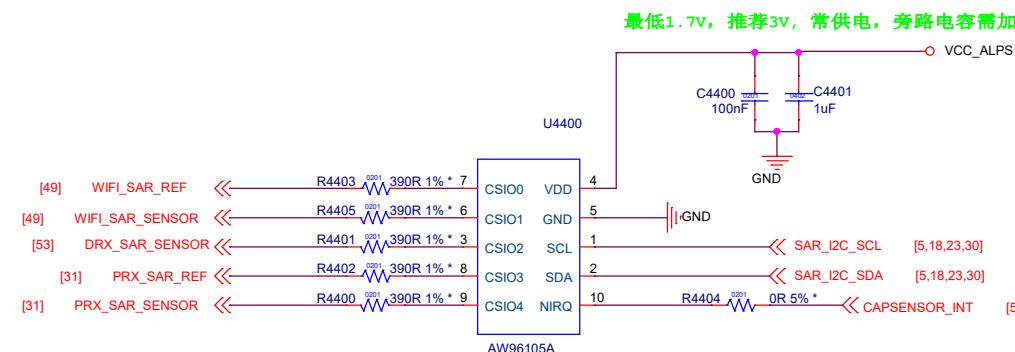
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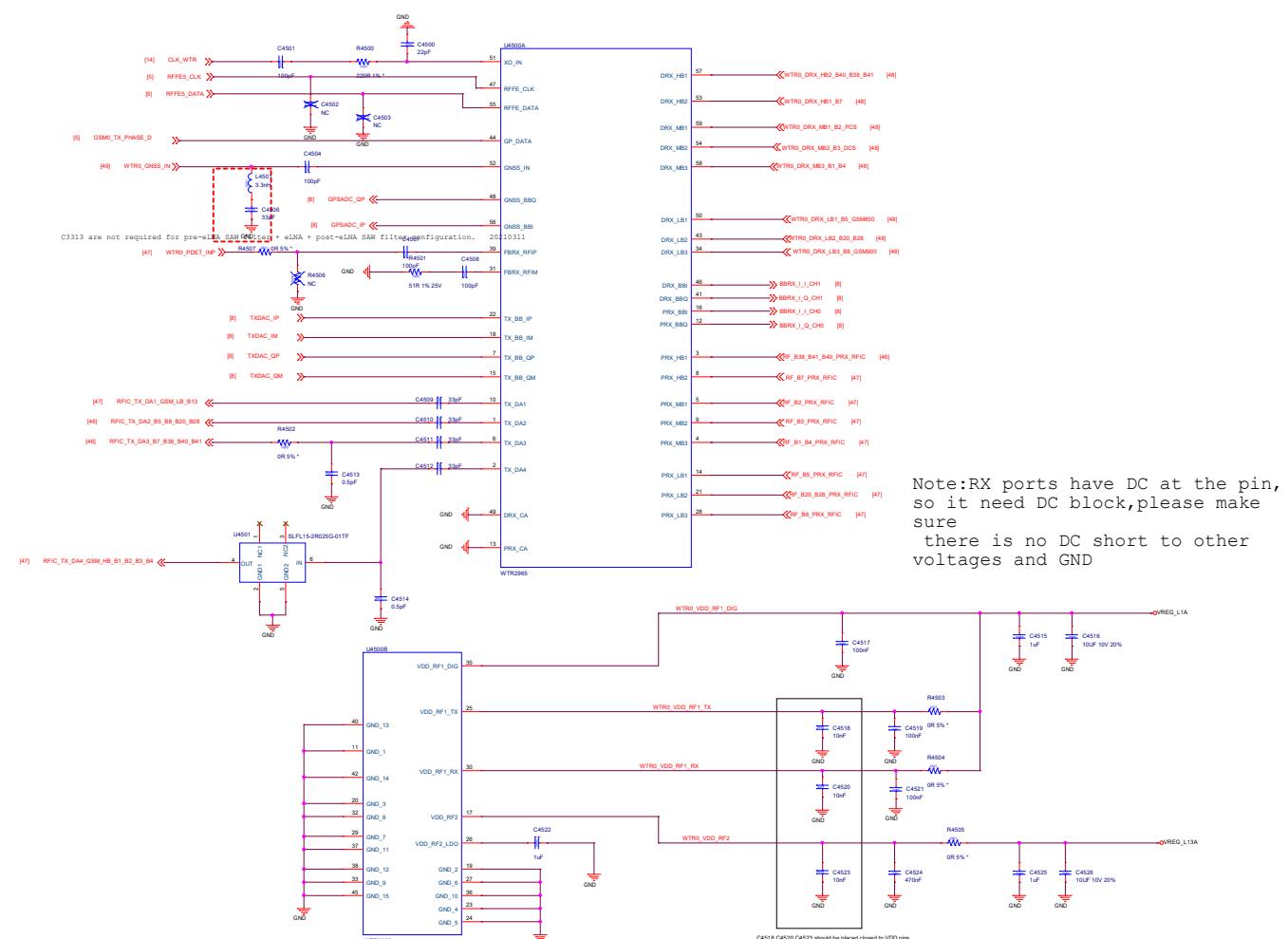
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Date: Wednesday, March 30, 2022	Rev <RevCode>



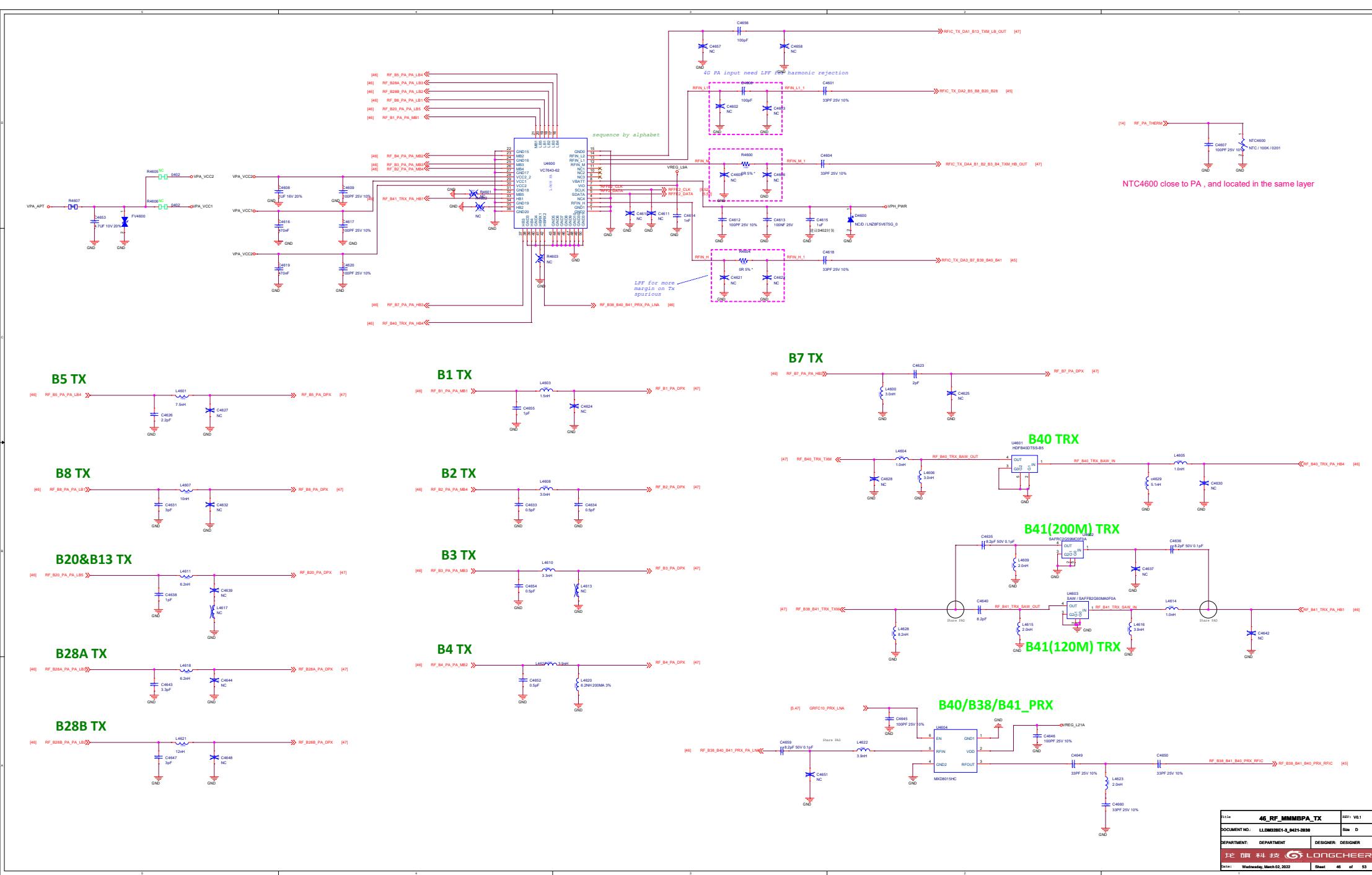
## Sar-Sensor



Title	<b>44.Capsensor</b>	REV: V0.1
DOCUMENT NO.:	<b>LLDM328E1-3_0421-2030</b>	Size B
DEPARTMENT:	DEPARTMENT	DESIGNER: DESIGNER
<b>龙旗科技 LONGCHEER Since 2002</b>		
Date:	Wednesday, March 02, 2022	Sheet 44 of 53

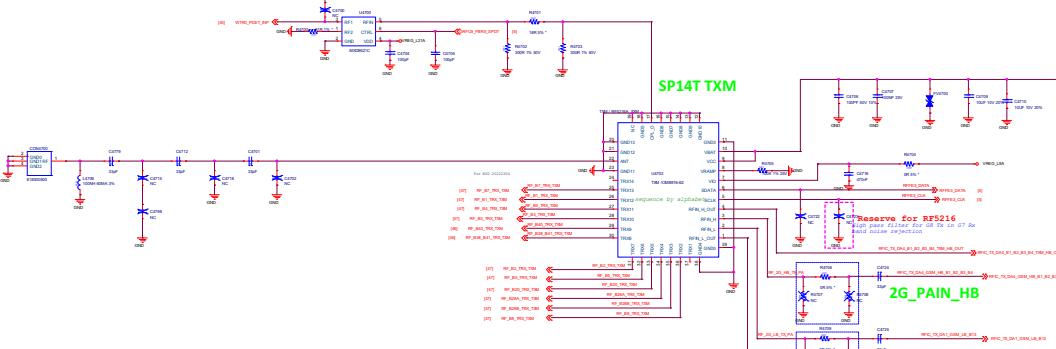


Rev.	45.RF_WTR2965_0	Ver.	V8.1
DOCUMENT NO.:	LIDW328E1-3_0421-0030	Size	D
DEPARTMENT:	DEPARTMENT	DESIGNER:	DESIGNER
Date:	Wednesday, March 02, 2022	Sheet	45 of 53

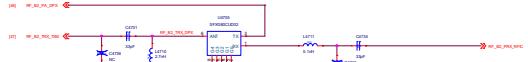


46_RF_MMMBPA_TX	REV: V6.1
DOCUMENT NO.: LLID038E1-3_0421-2030	Sheet D
DEPARTMENT: DEPARTMENT	DESIGNER: DESIGNER
DATE: Wednesday, March 02, 2022	Page 46 of 55

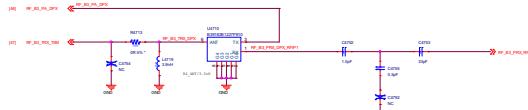
### Primary-ANT



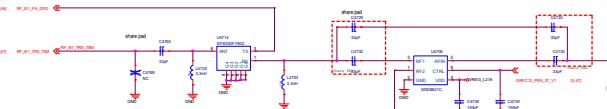
### B2 TRX



### B3 TRX



### B1 TRX\_PCS\_PRX



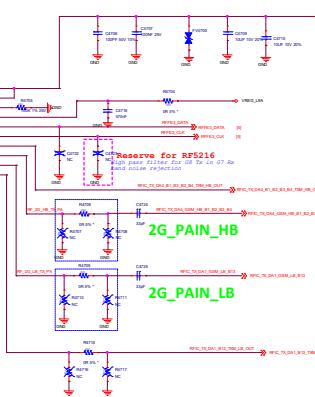
### B4 TRX



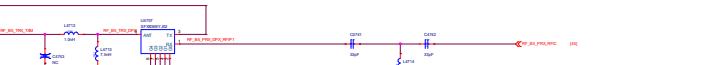
### B7 TRX



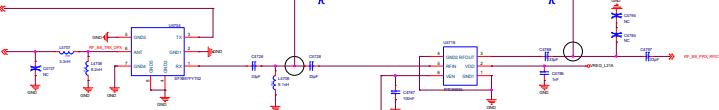
### SP14T TXM



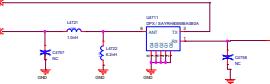
### B5 TRX



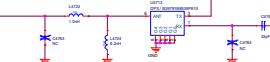
### B8 TRX



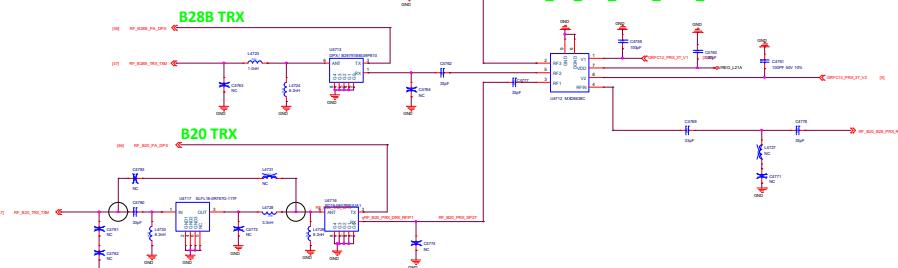
### B28A TRX

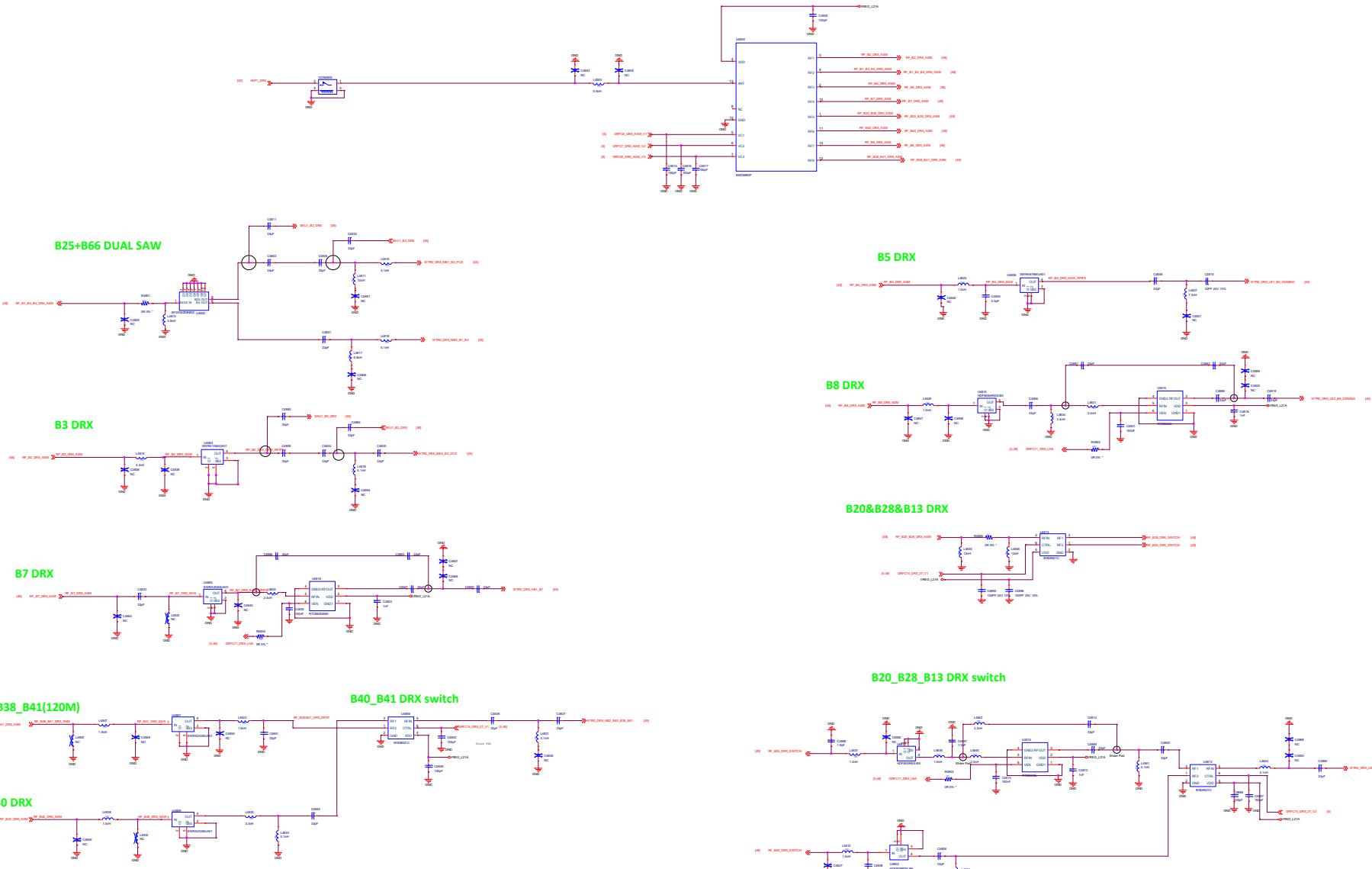


### B28B TRX

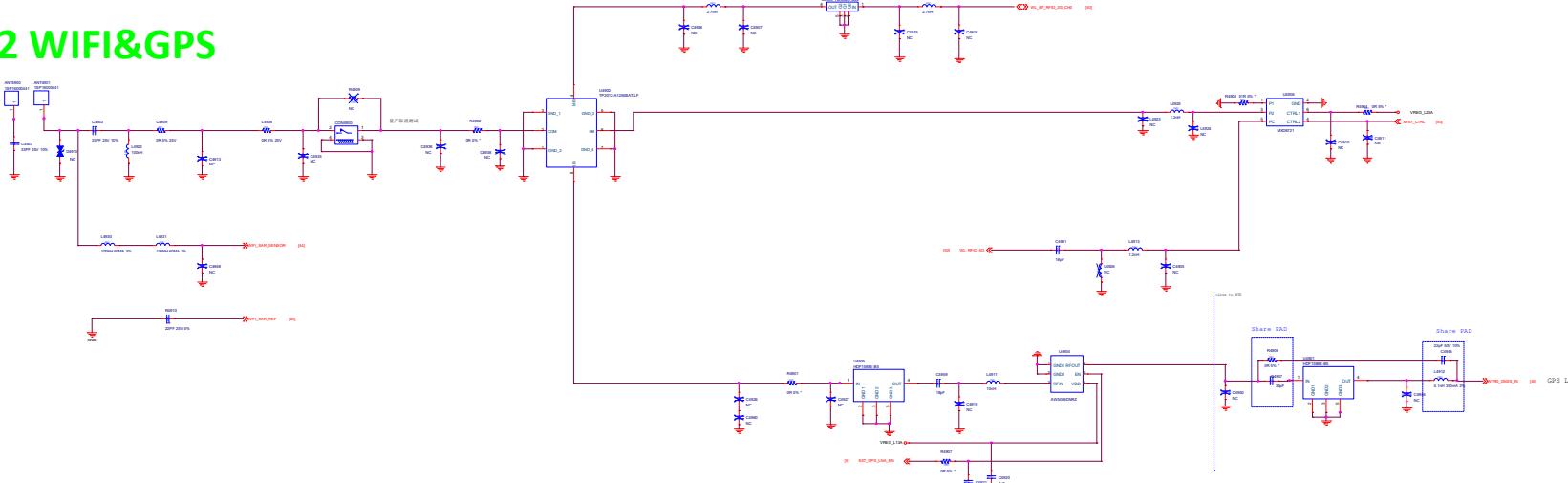


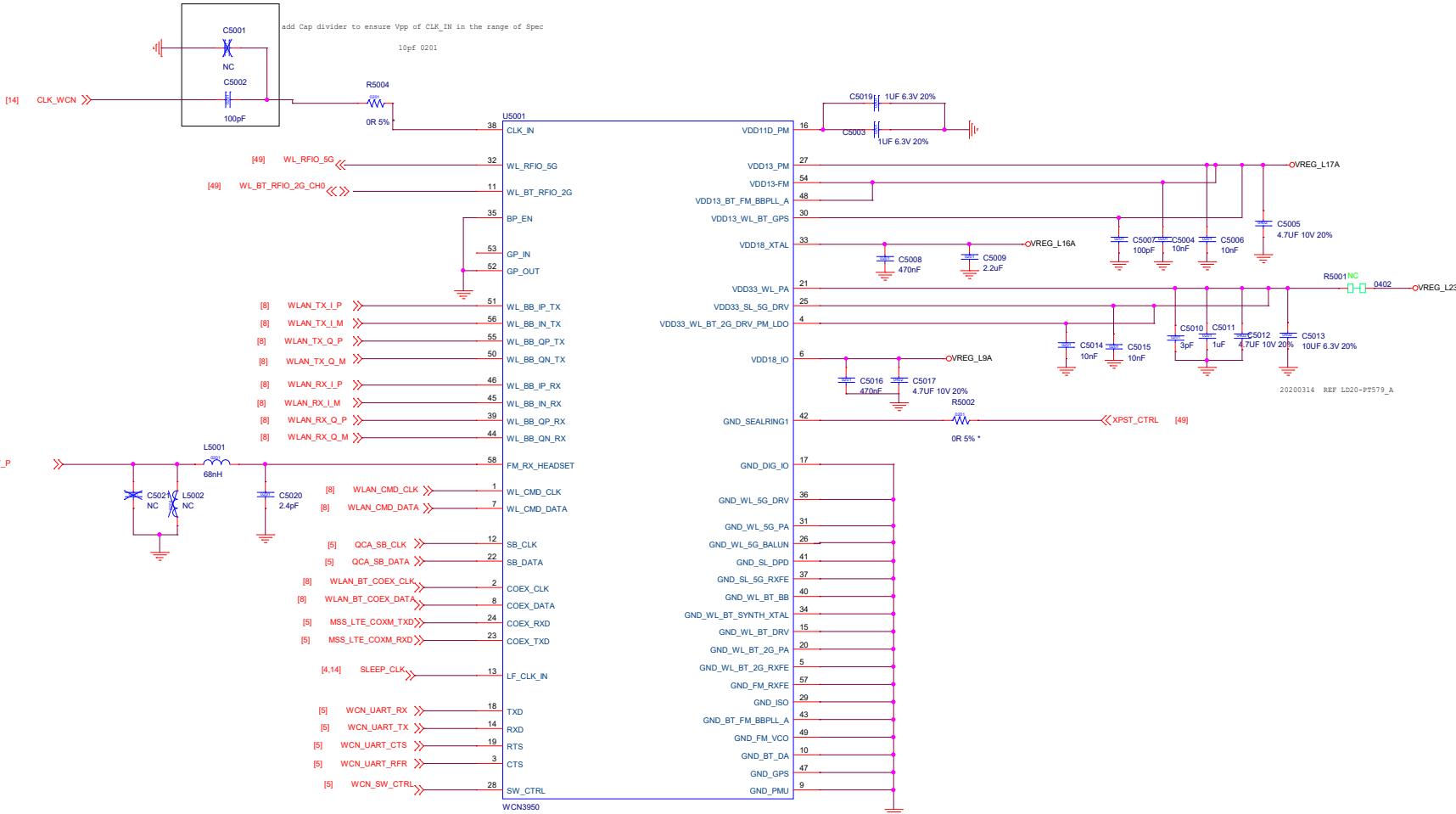
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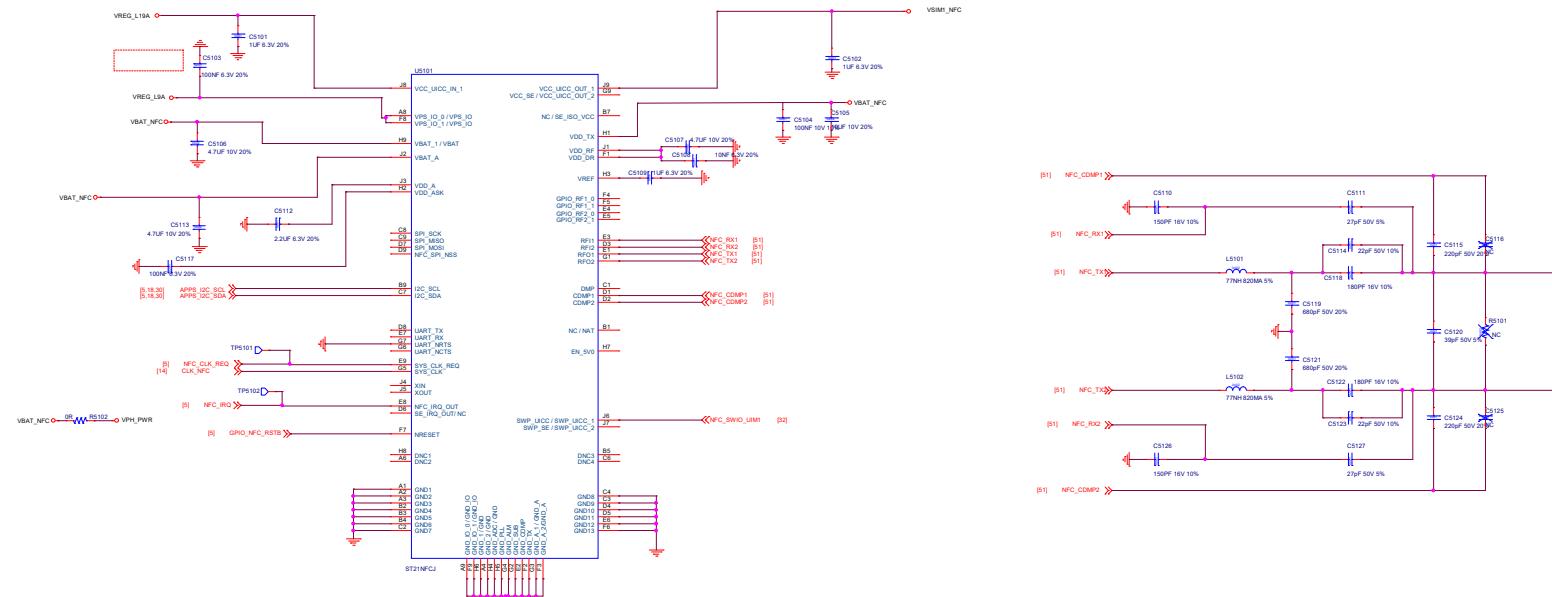


## ANT2 WIFI&GPS

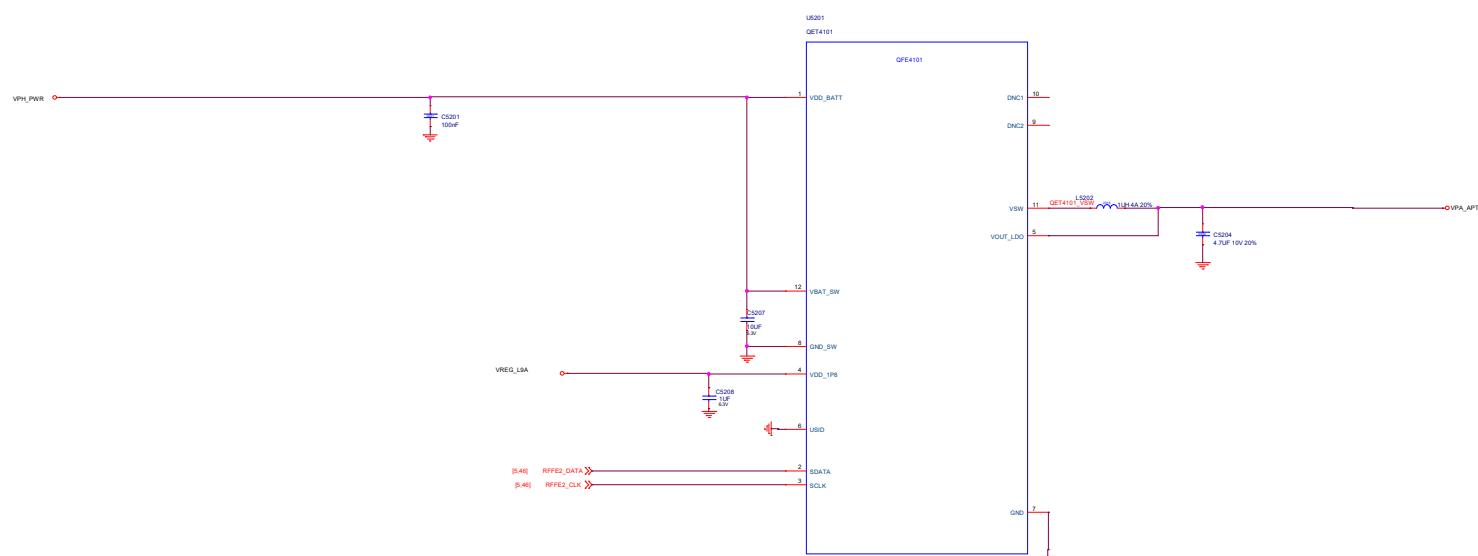




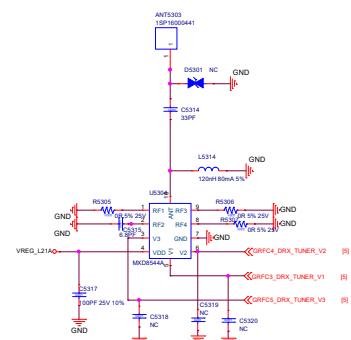
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LONGCHEER	龙旗科技	LONGCHEER



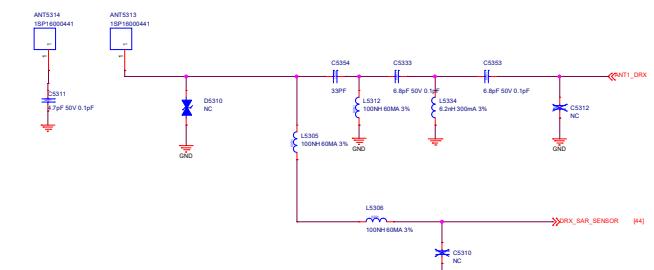
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DOCUMENT NO.:	L10M038E1-3_0421-2000	Size:	D
DEPARTMENT:	DEPARTMENT	DESIGNER:	DESIGNER
Date:	Wednesday, March 02, 2022	Sheet:	S1 of 53



## ANT1\_SWITCH\_DRX



## ANT1\_DRX



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DEPARTMENT:	DEPARTMENT	DESIGNER: DESIGNER
长川科技	LONGCHEER	
Date:	Wednesday, March 02, 2022	Sheet S3 of S3