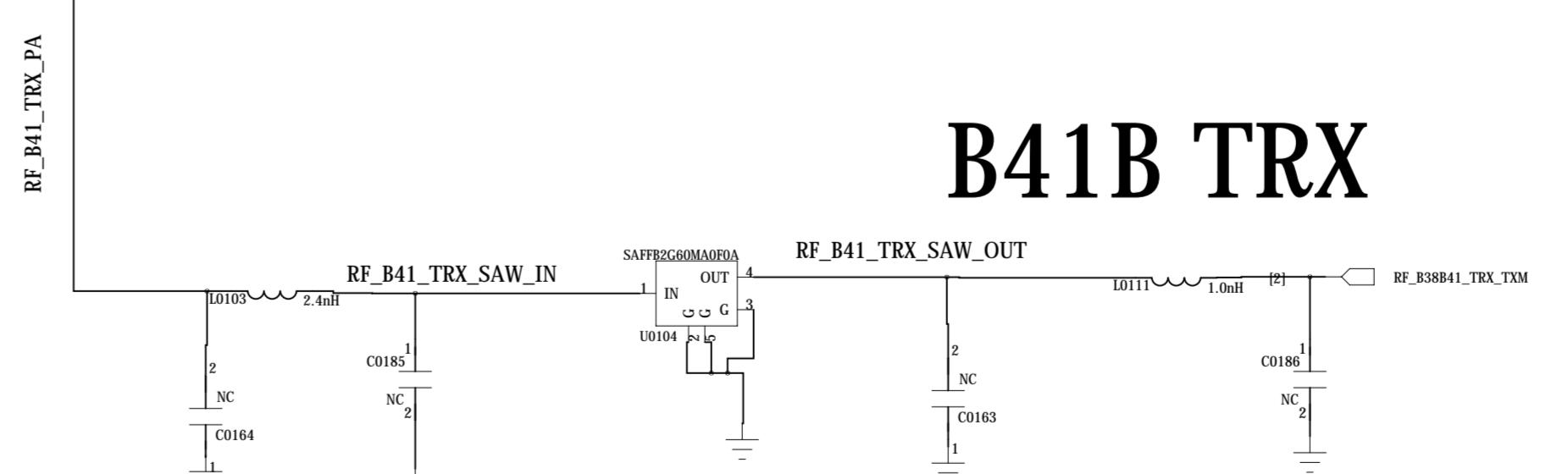
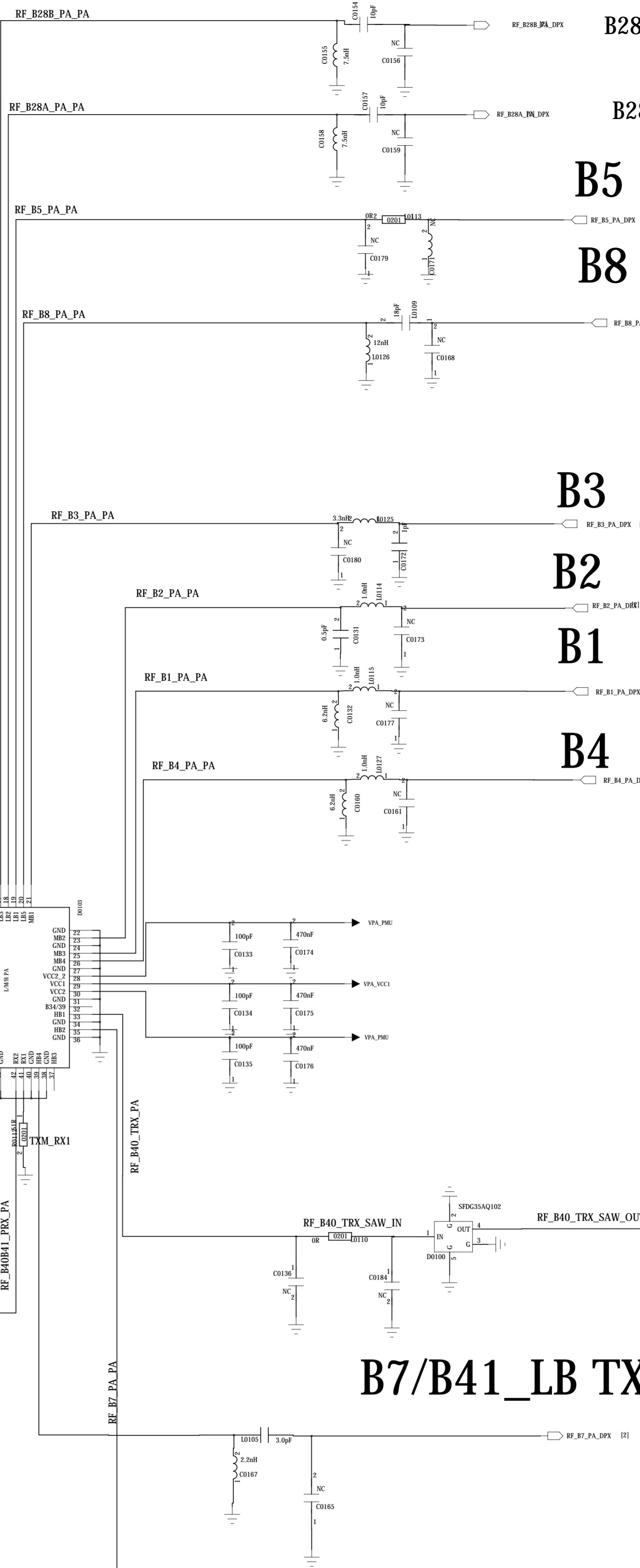
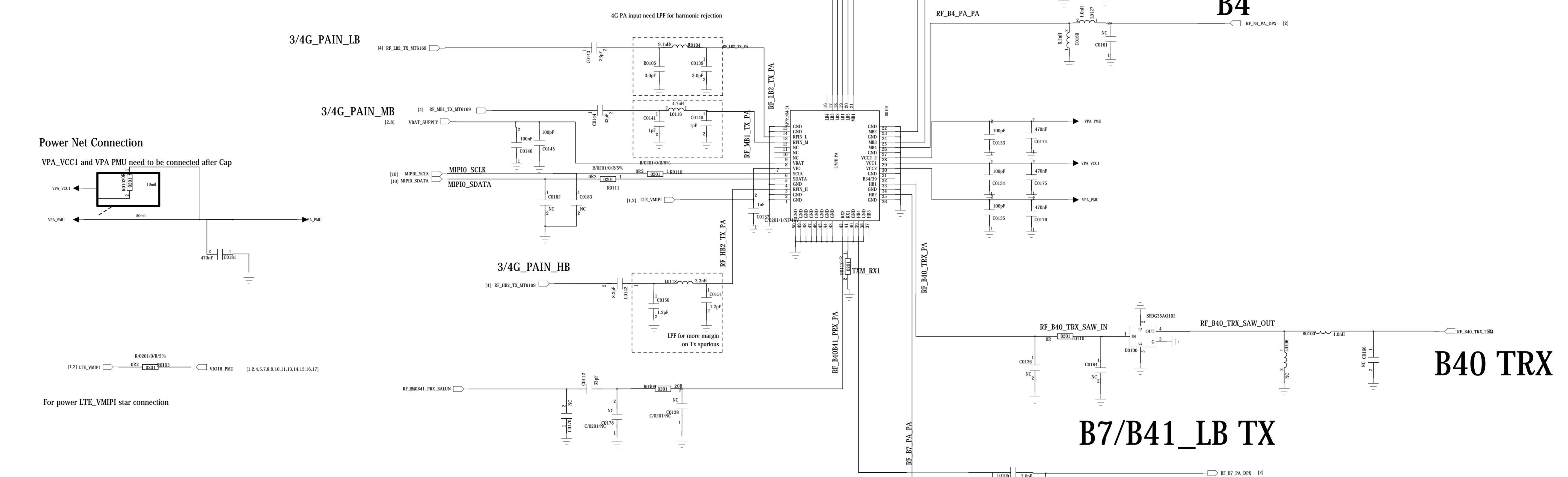


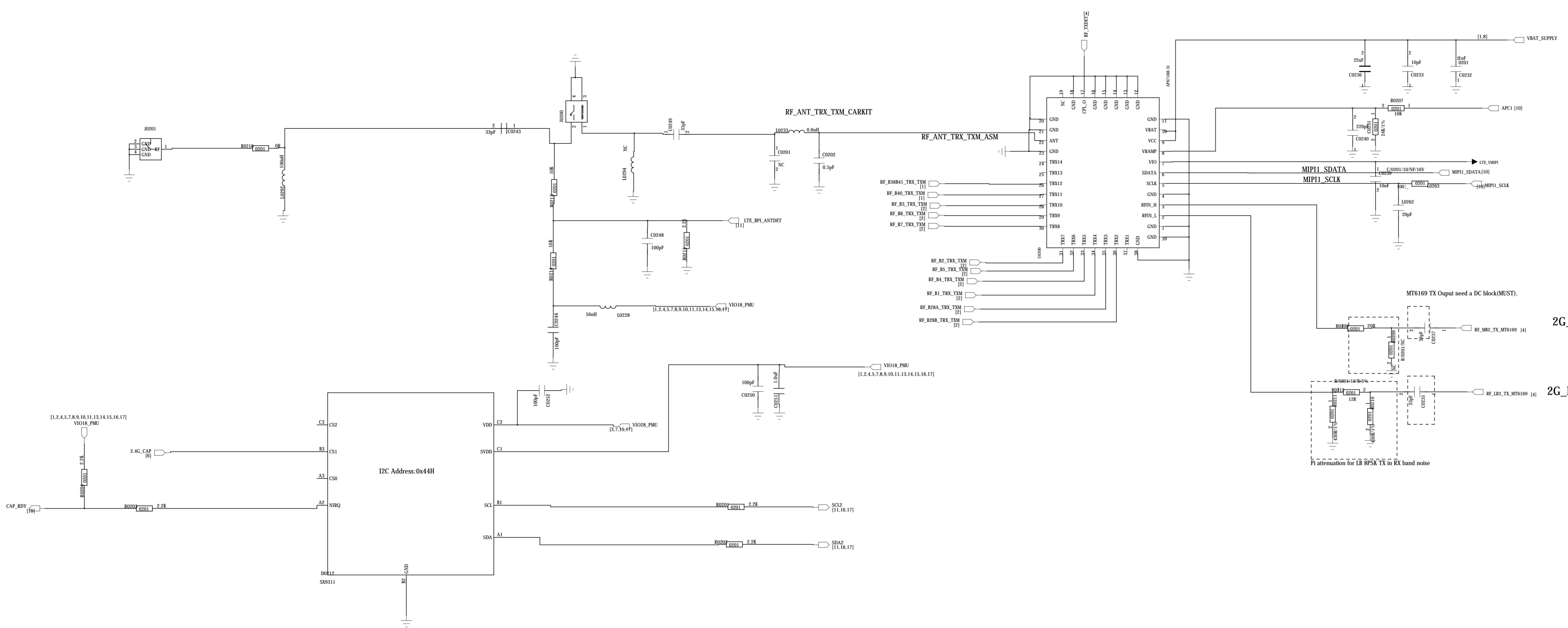
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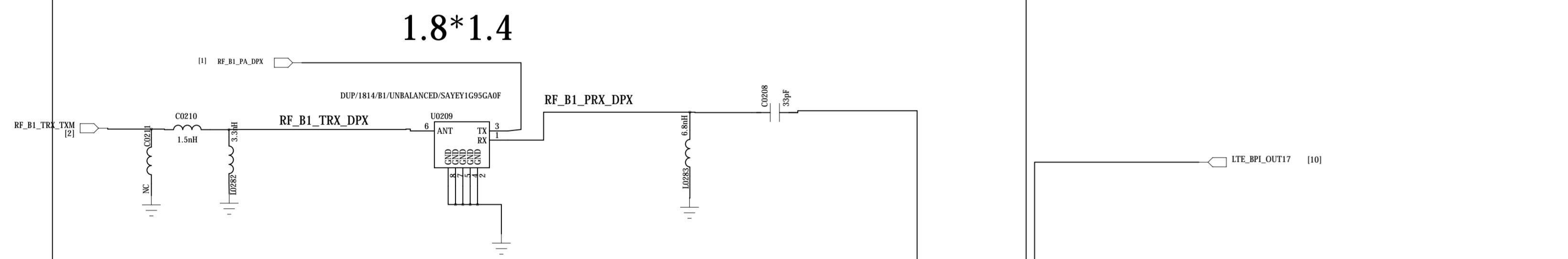


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CHECKED:	<Checked By>	DATED:	<Checked Date>	
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A0	<Drawing Number>	A1		
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SHOOT:	4	19		

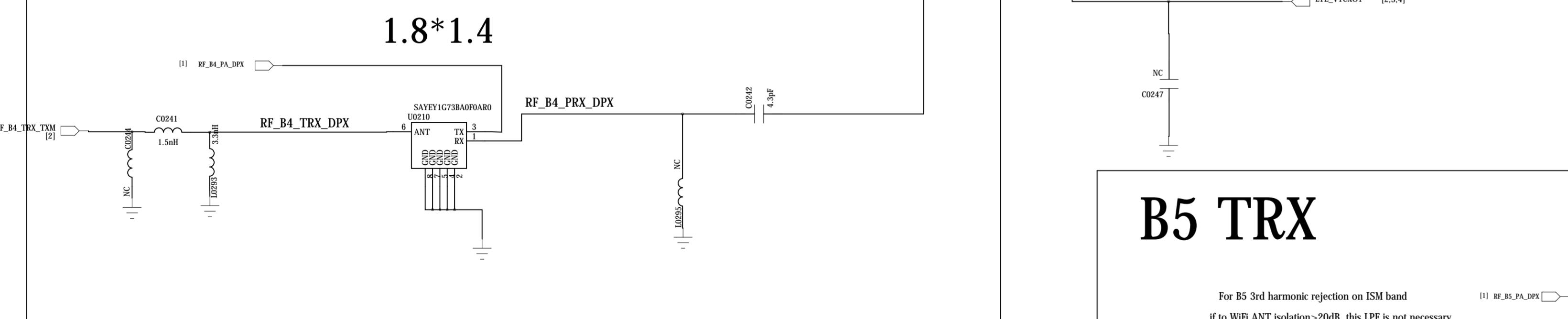
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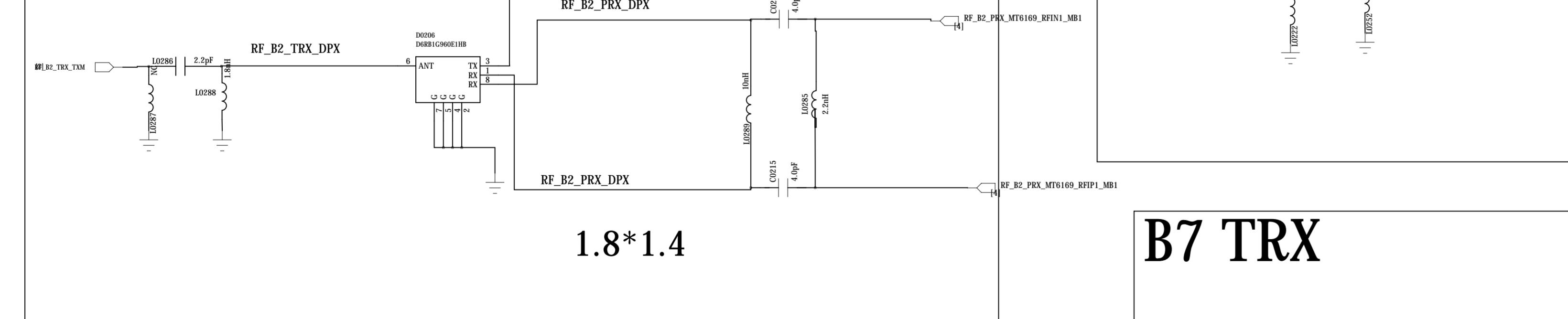
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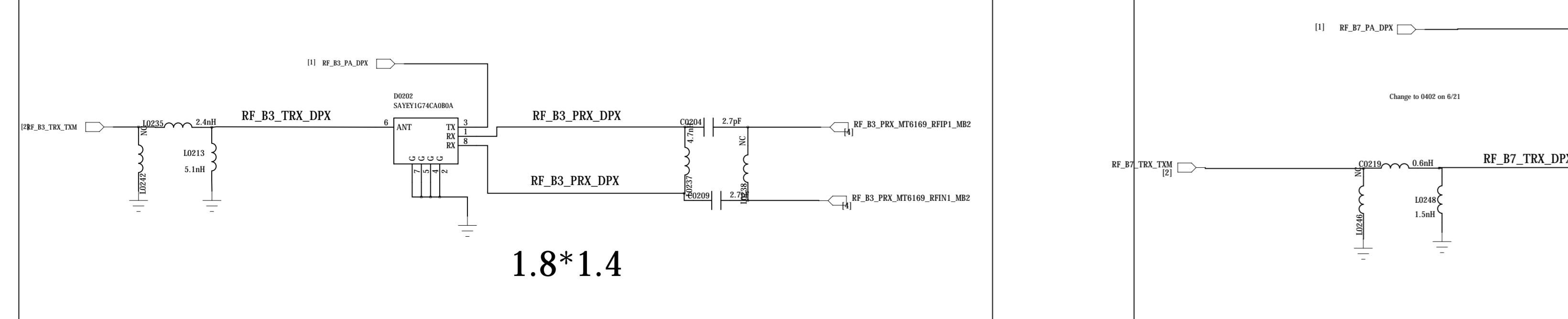
B4 TRX



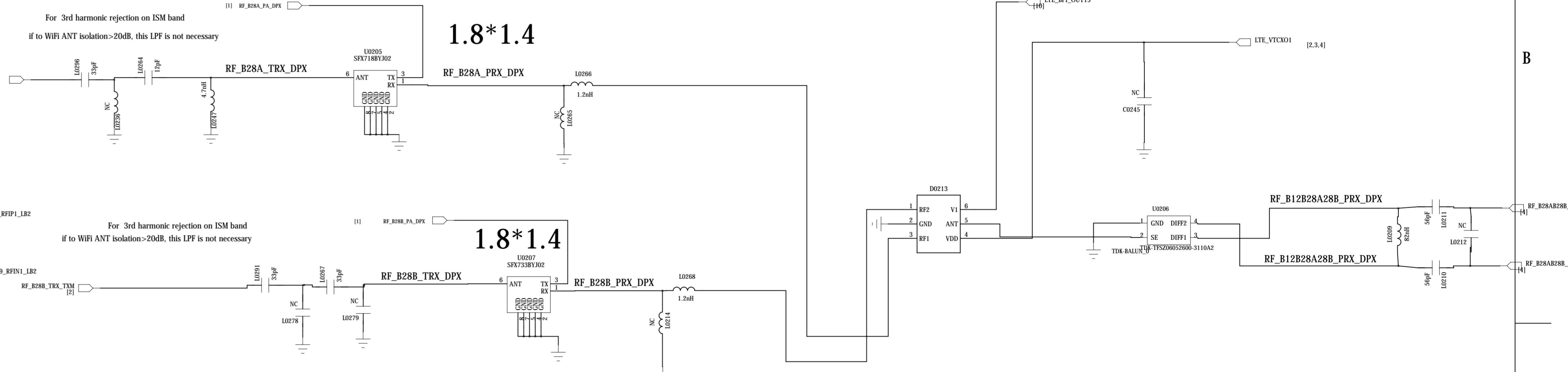
B2 TRX



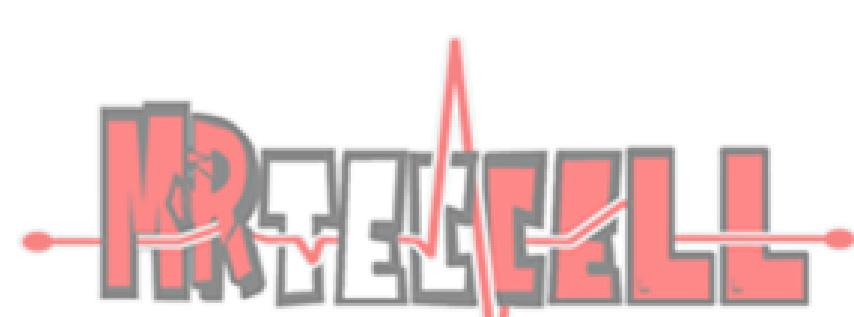
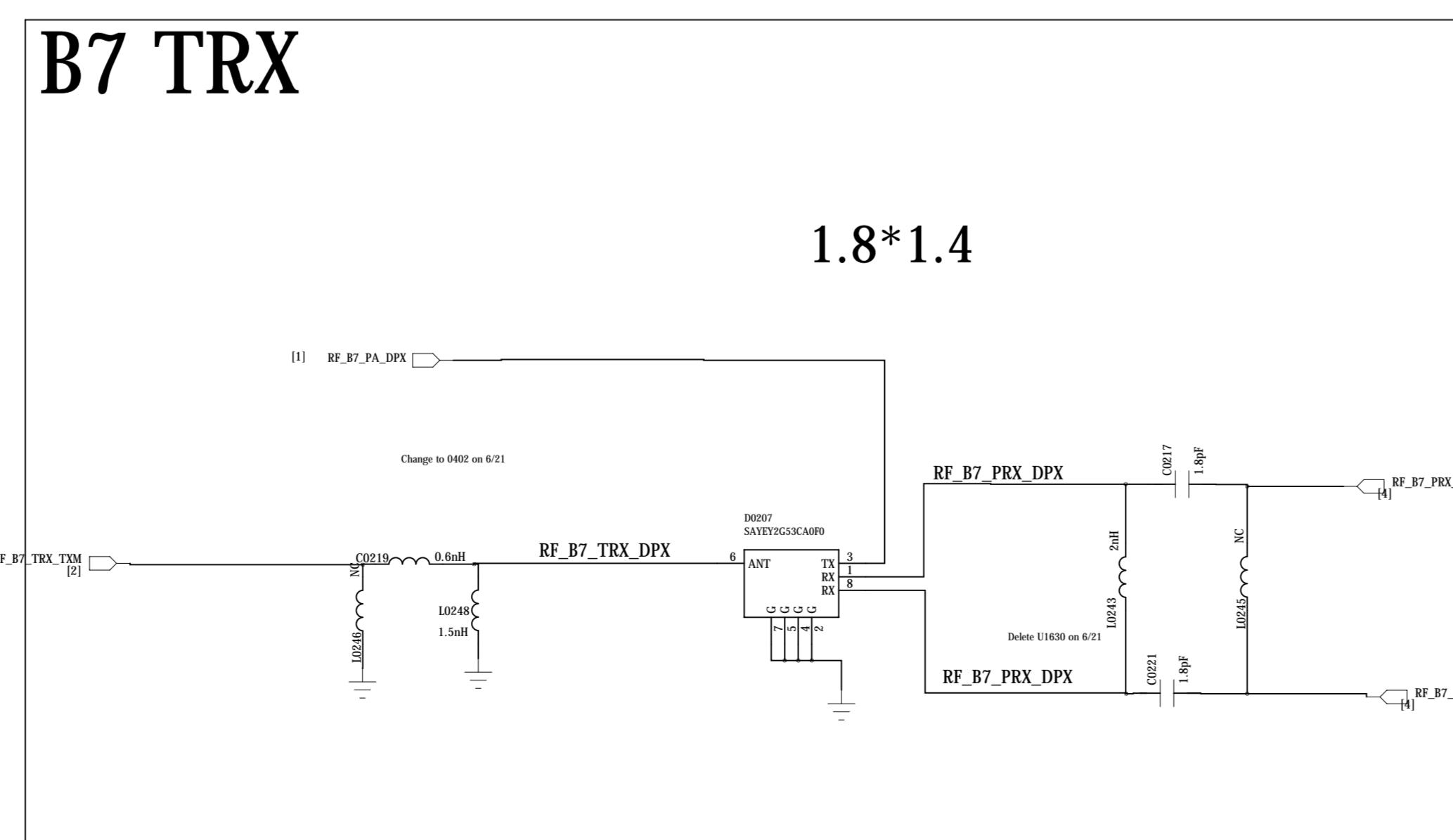
B3 TRX



B28A-----8531



# B28B TRX



COMPANY: Shanghai Langsheer

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TITLE: **L-242**

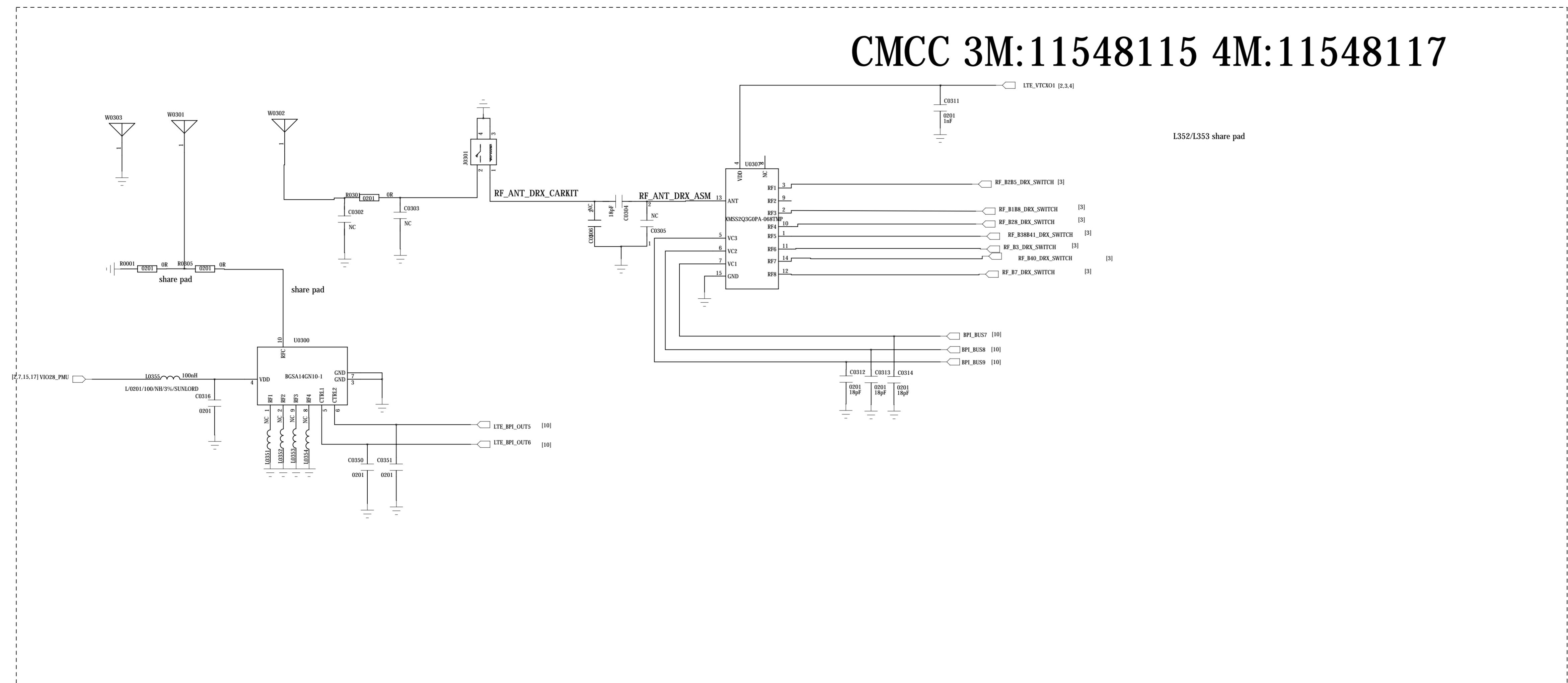
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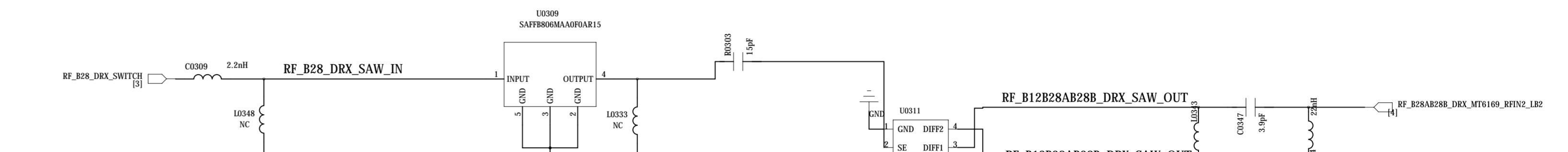
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REVISION RECORD			
LTB	ECO NO.	APPROVED:	DATE:

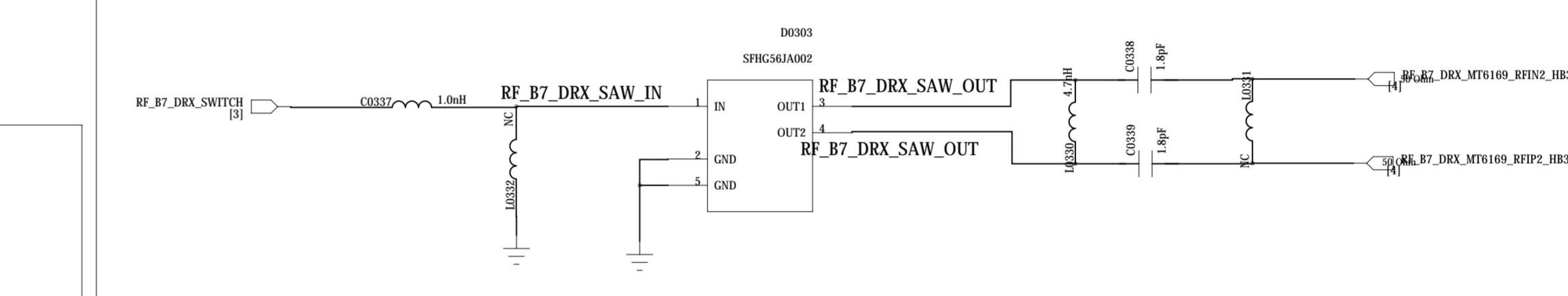
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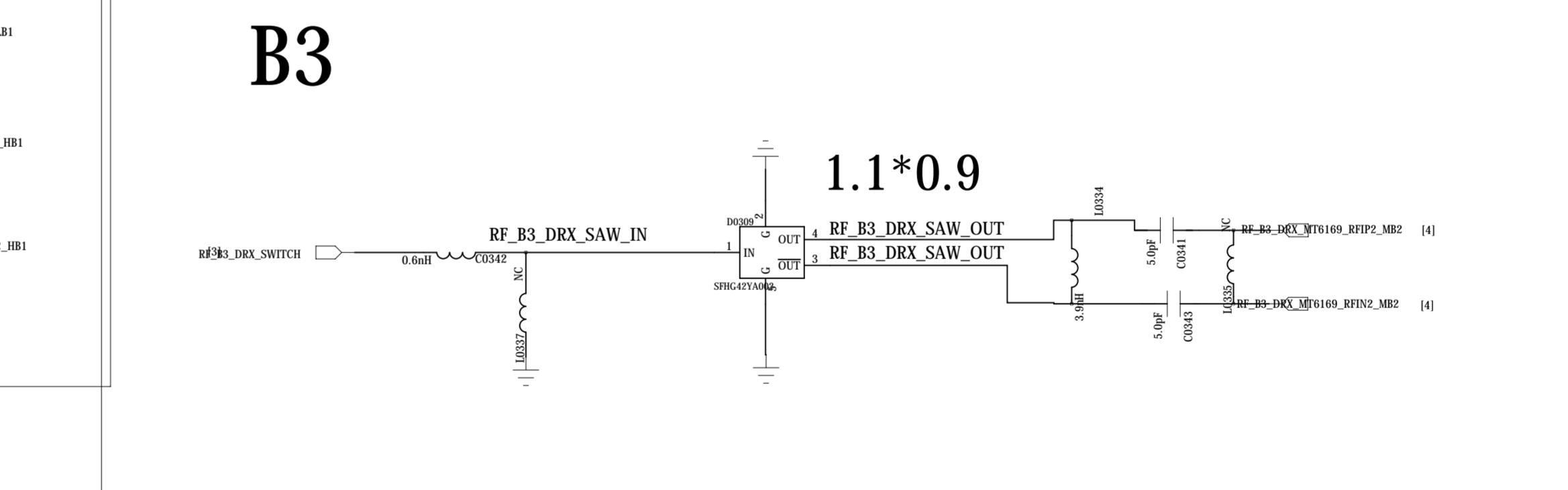
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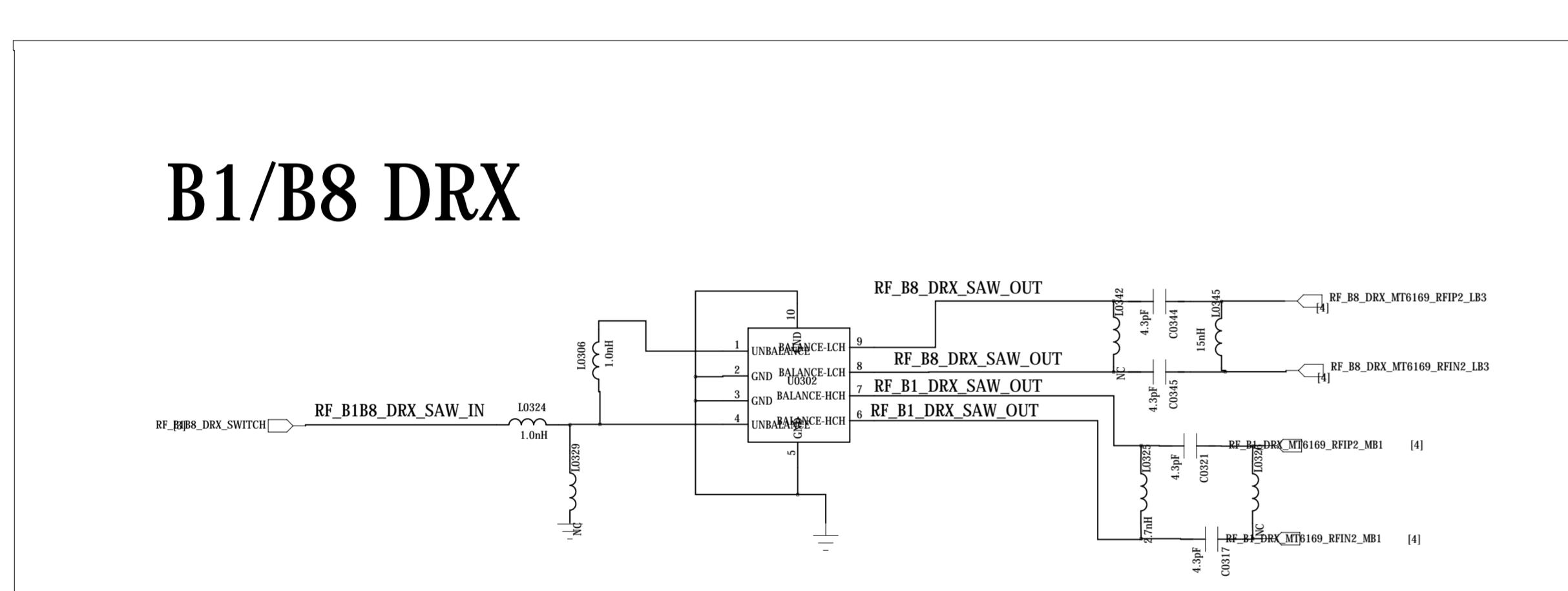
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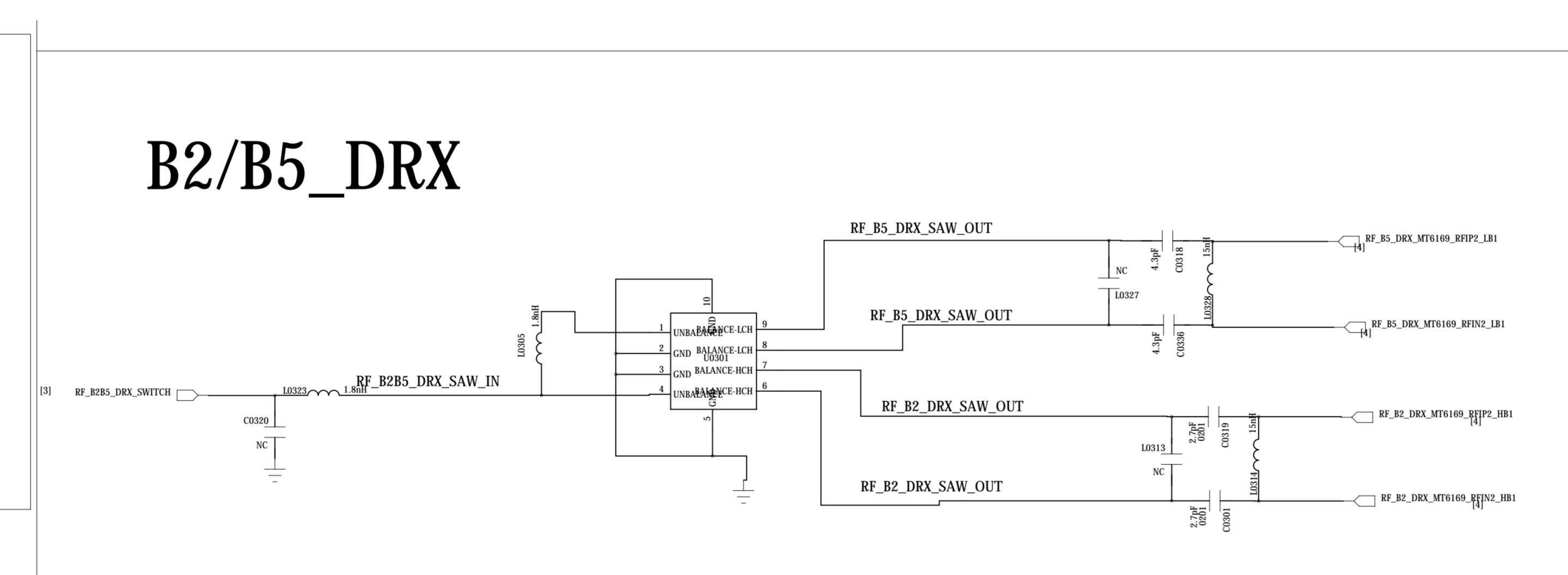
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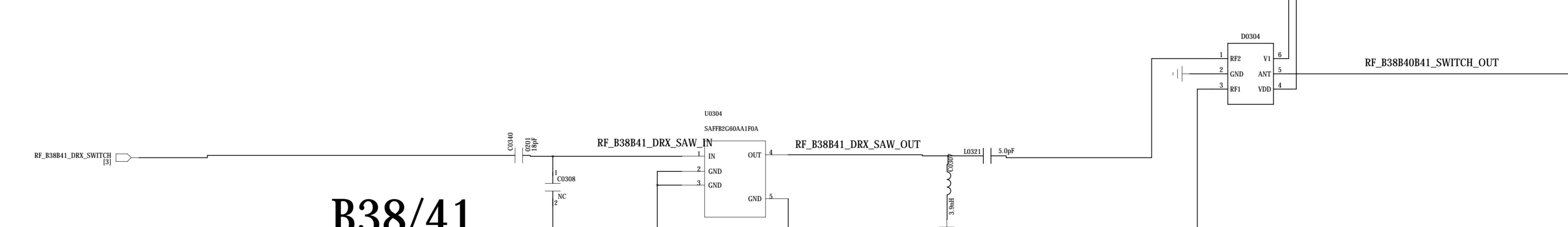
## B1/B8 DRX



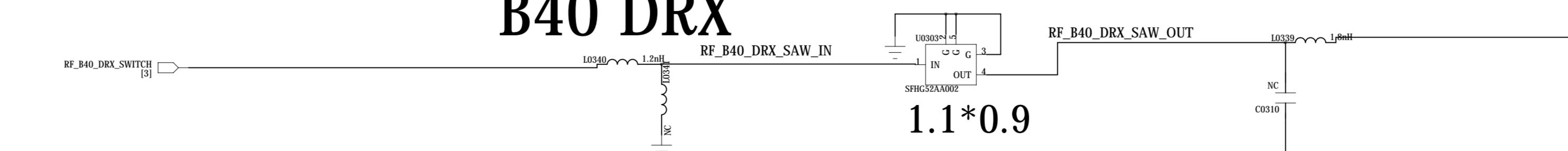
## B2/B5\_DRX



## B38/41



## B40 DRX



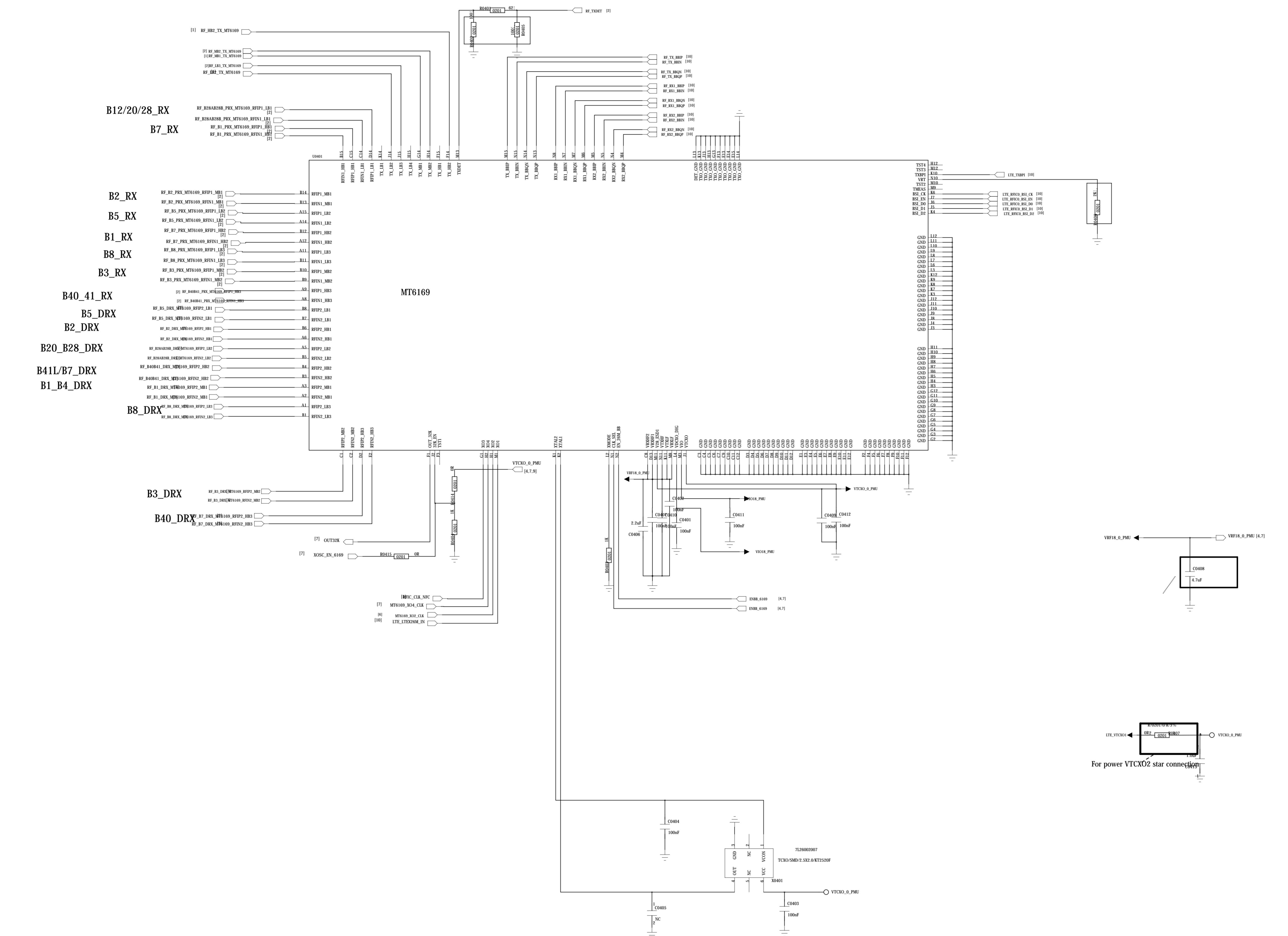
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<Checked By>		DATED: <Checked Date>	
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REMARKS:	SHEET: 8/ 19		

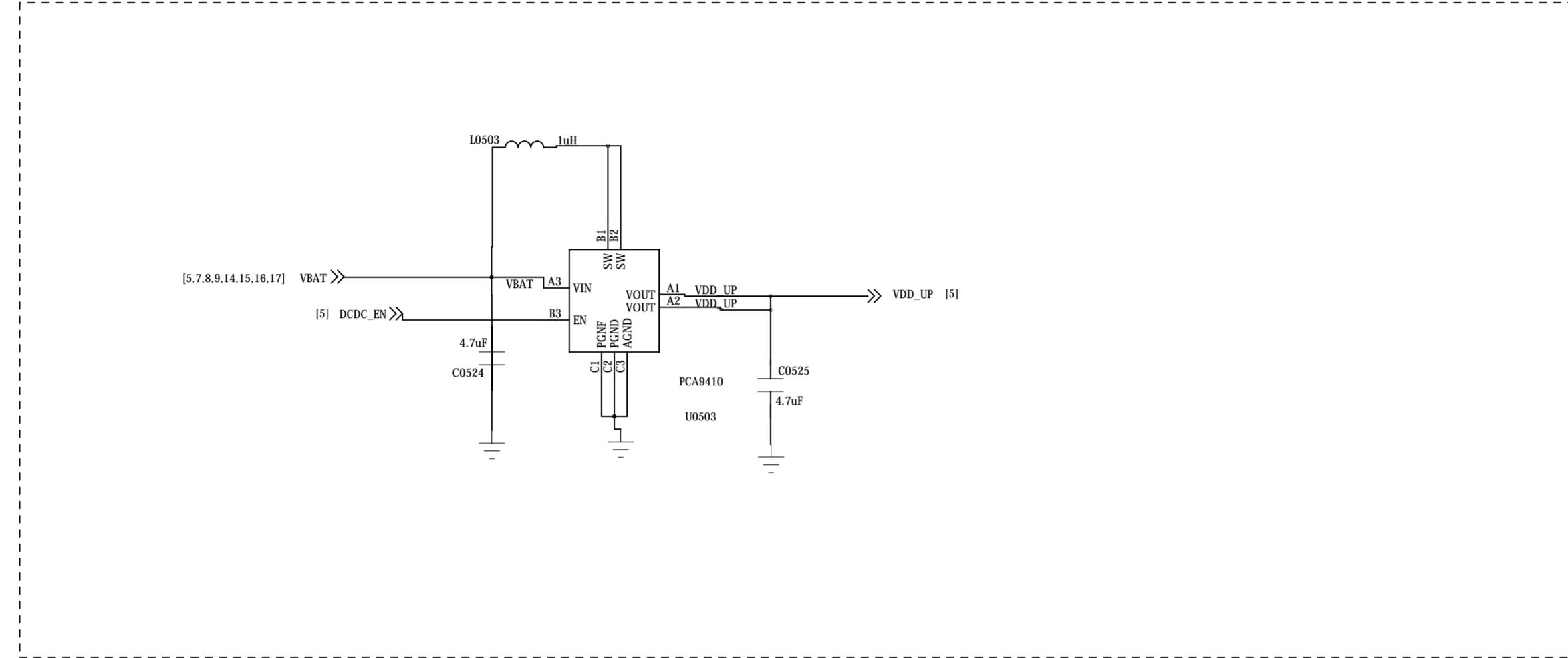
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LTR	ECN NO.	APPROVED:	DATE:

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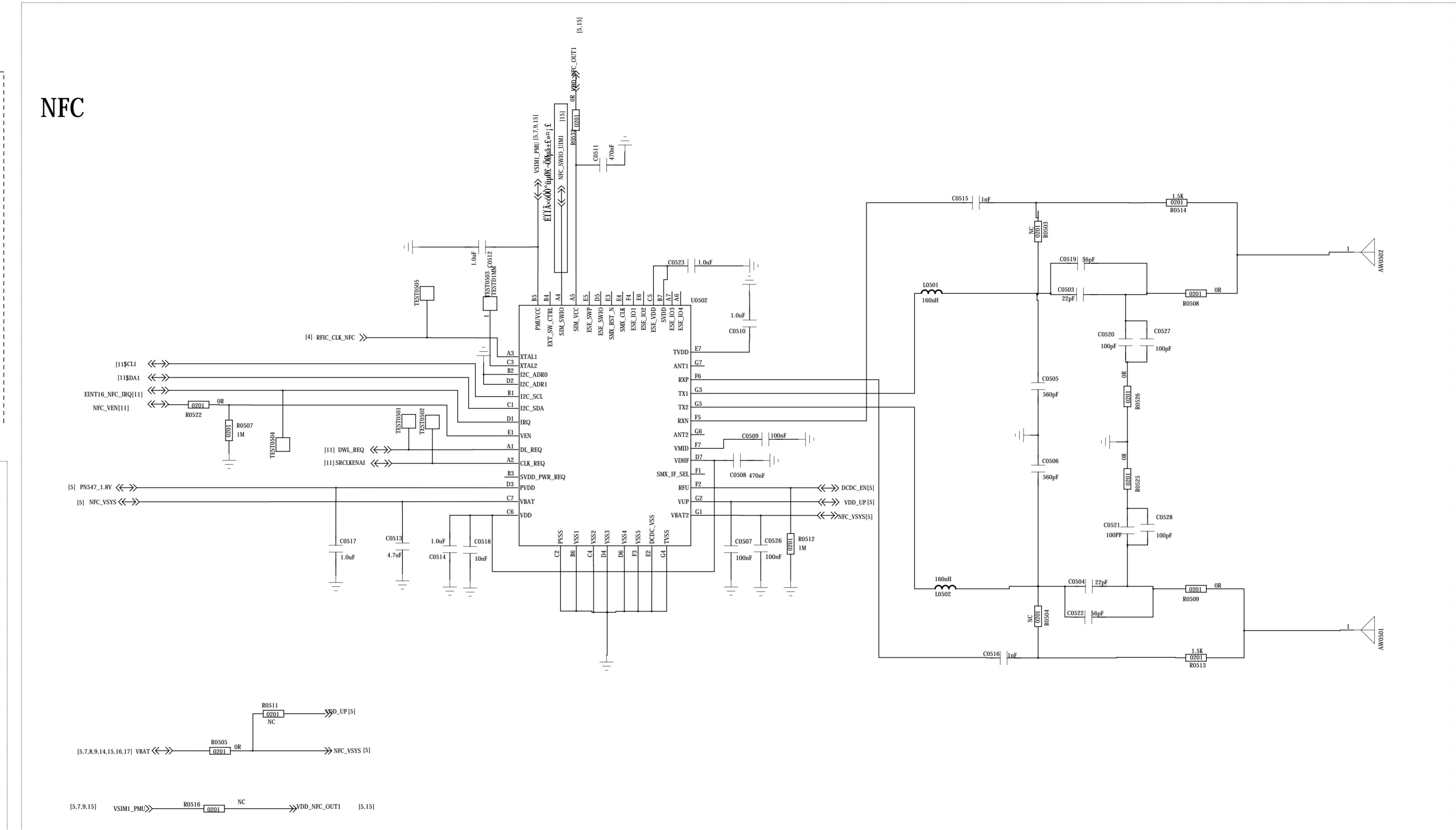
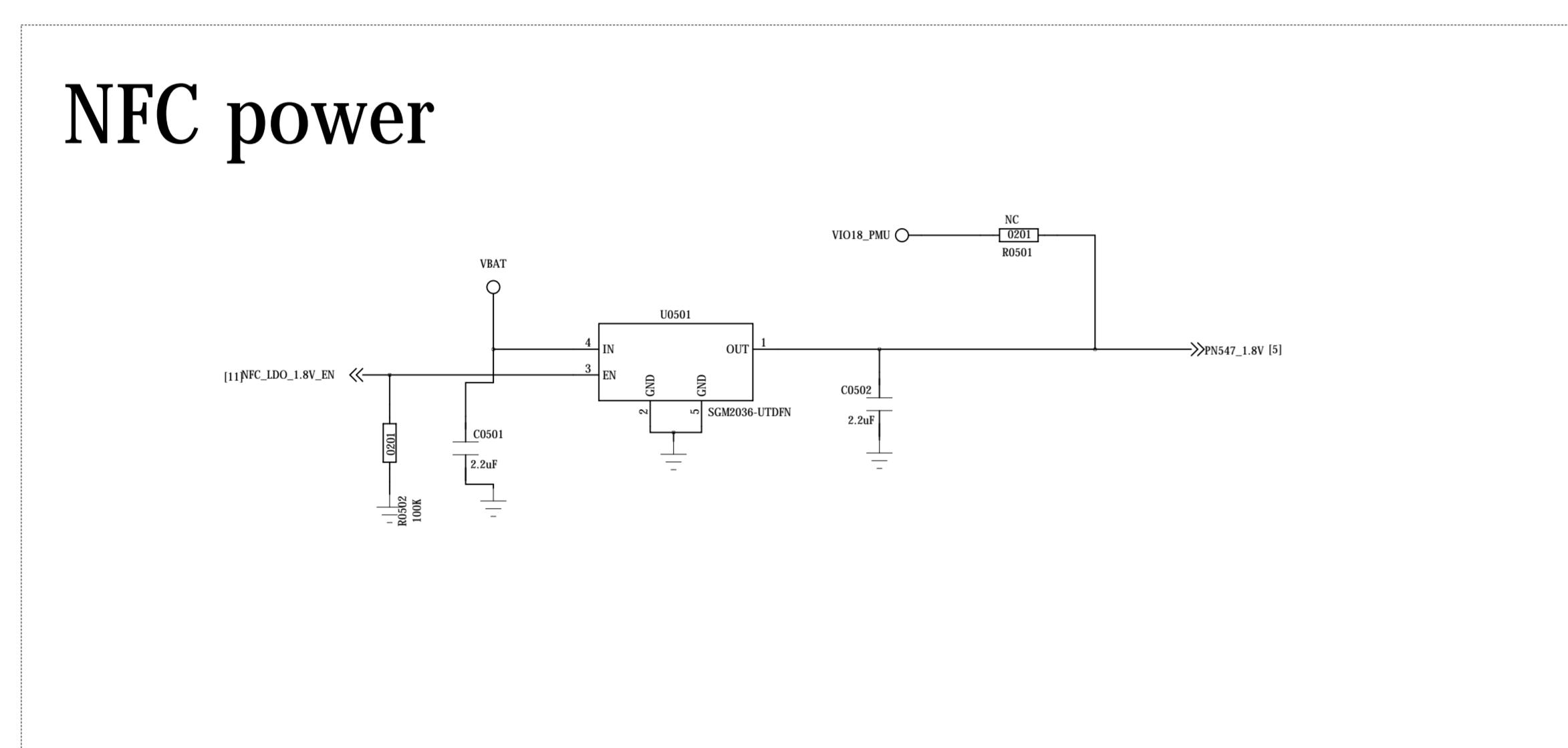
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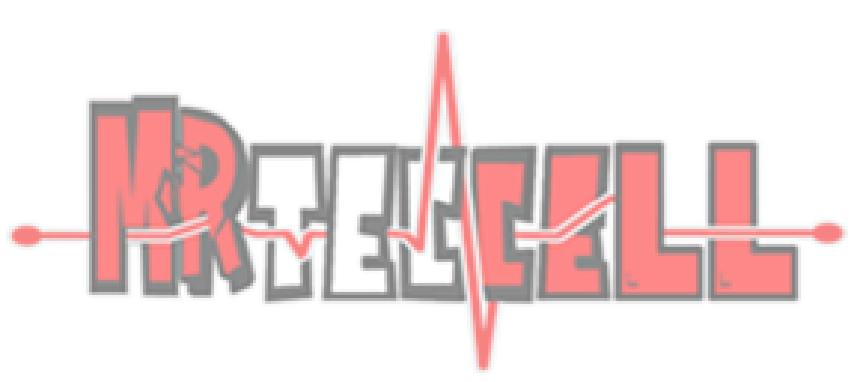
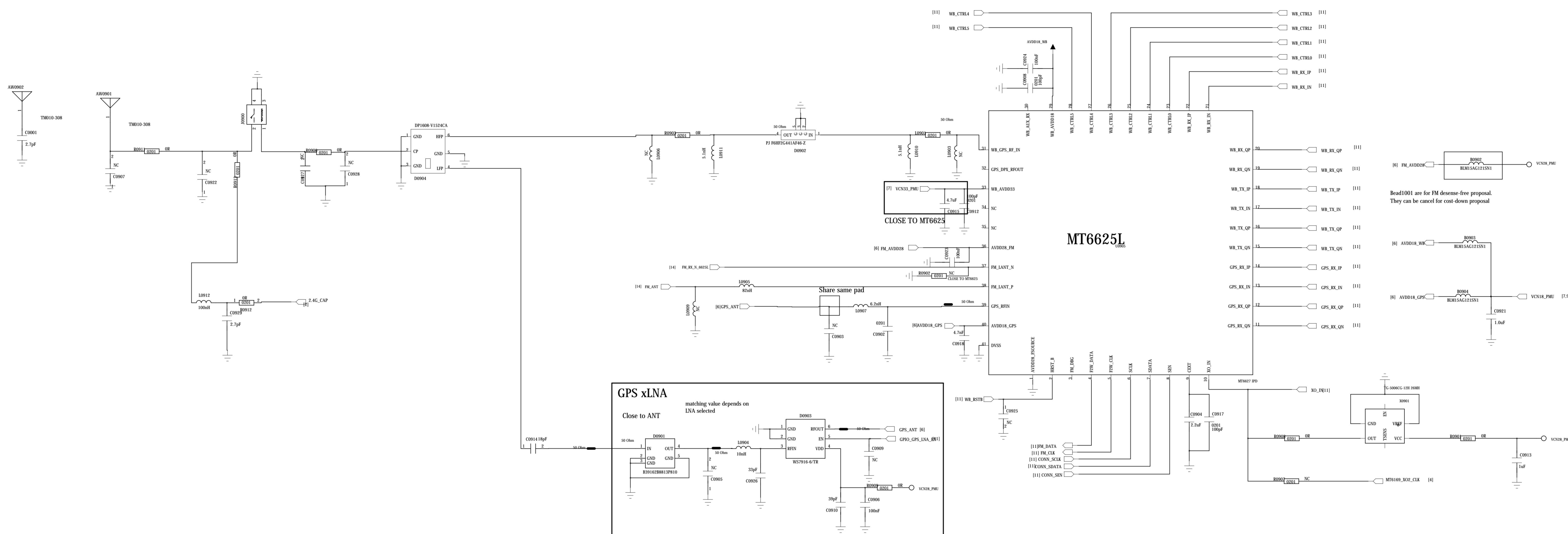


# NFC power



I2C_ADR1	I2C_ADR0	WRITE	READ
0	0	0X50	0X51
0	1	0X52	0X53
1	0	0X54	0X55
1	1	0X56	0X57



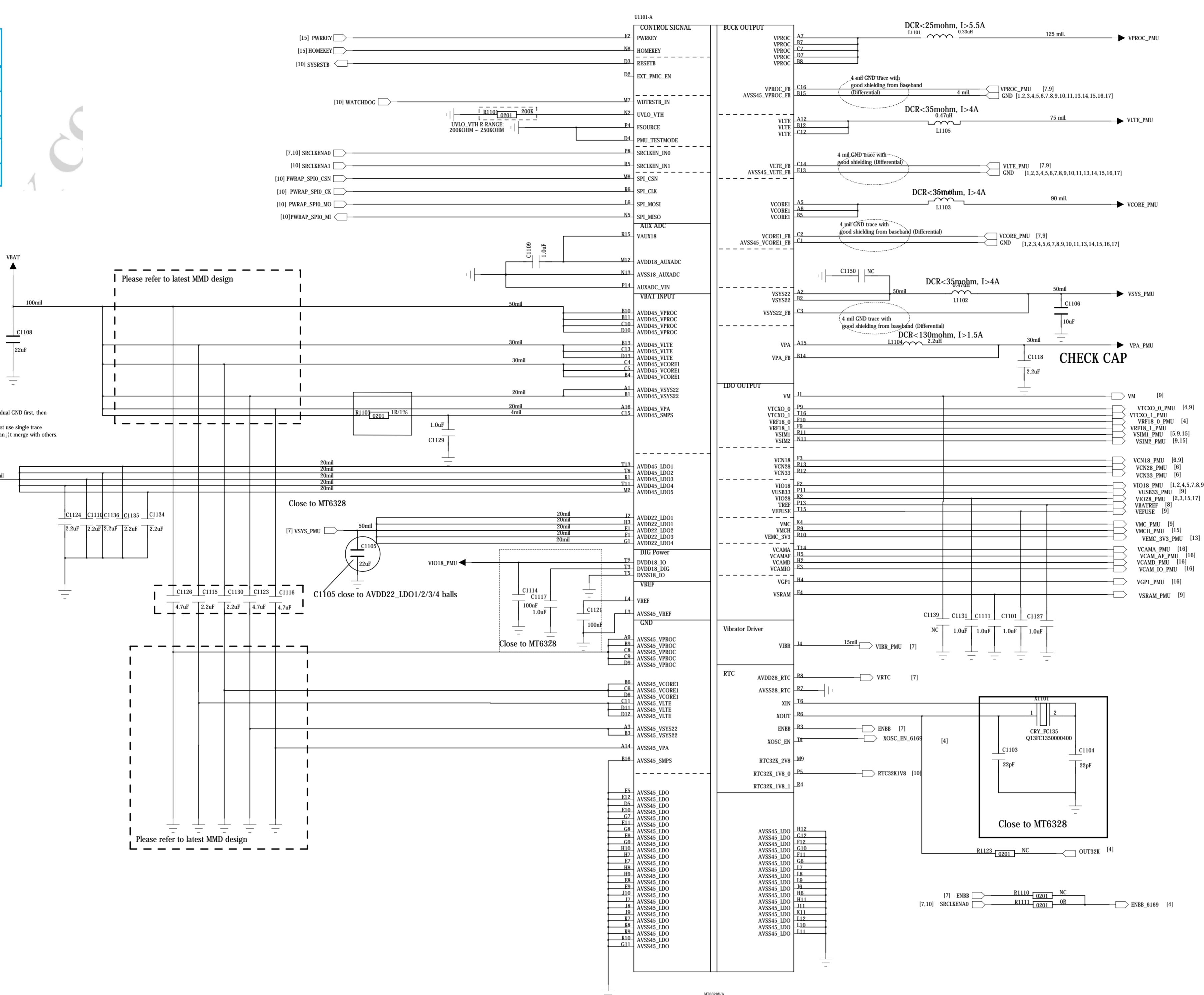
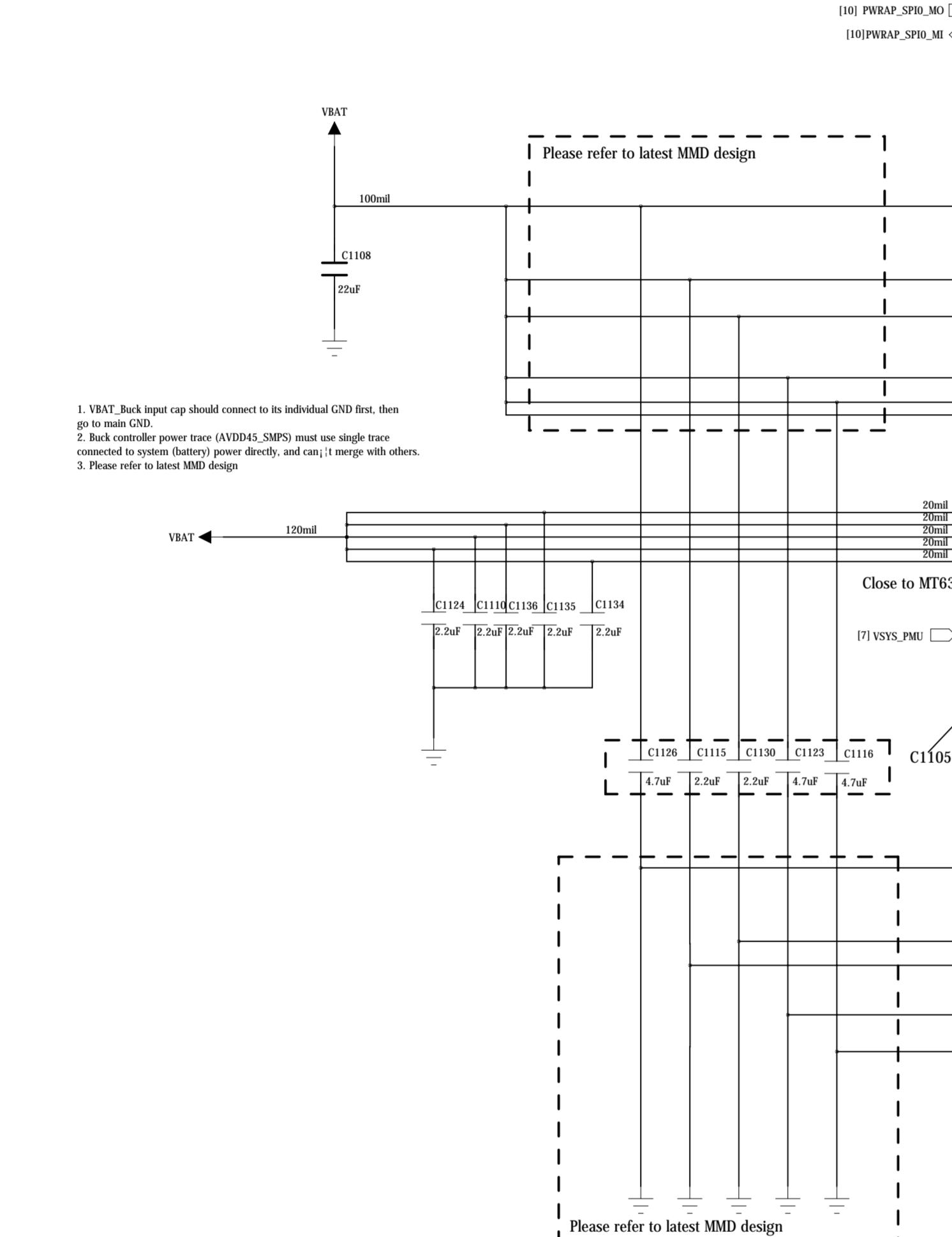


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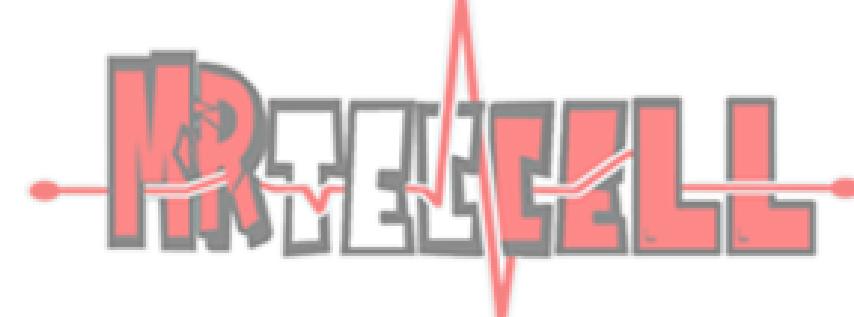
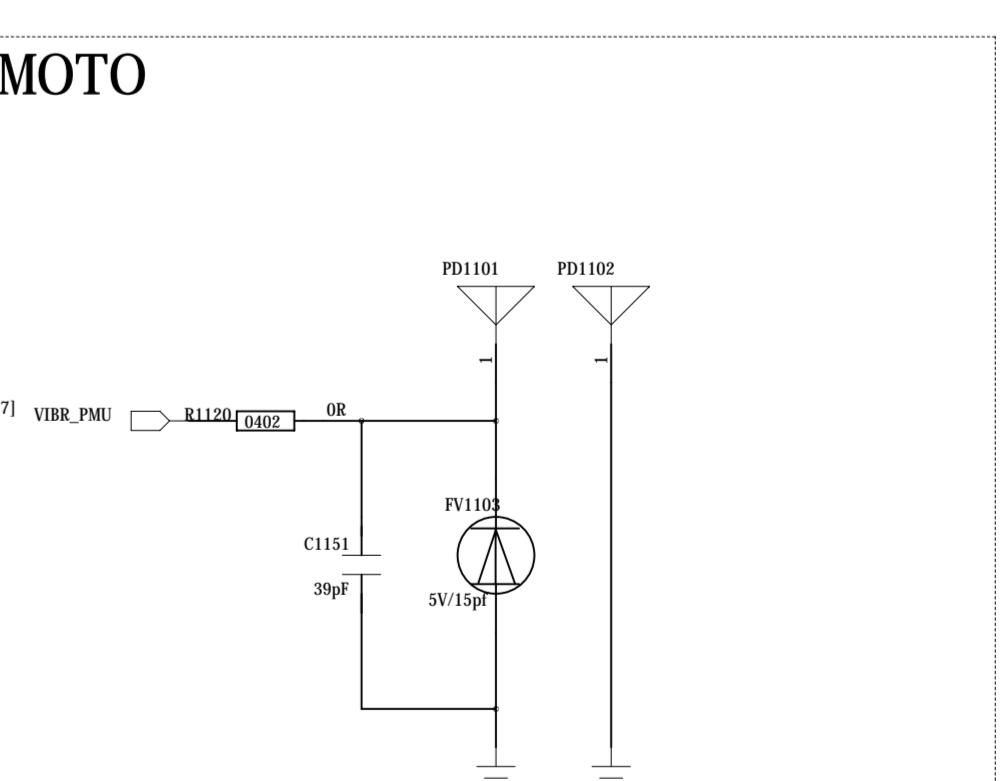
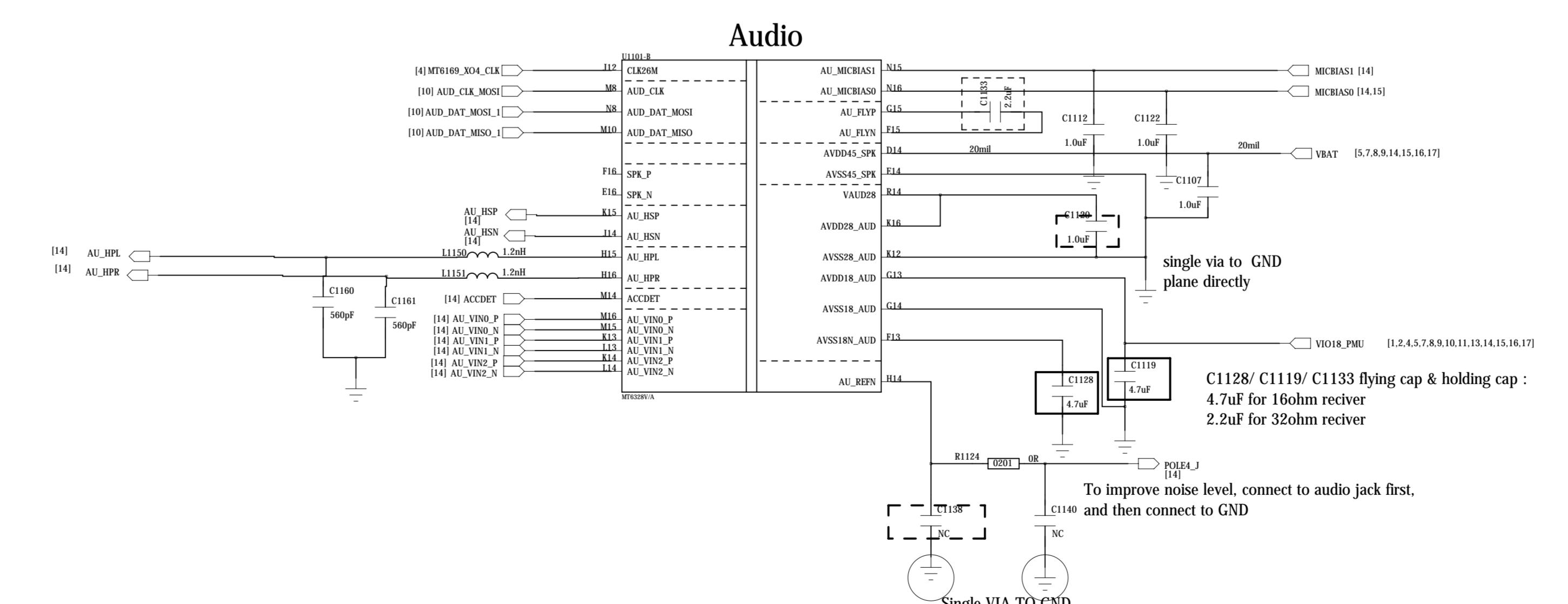
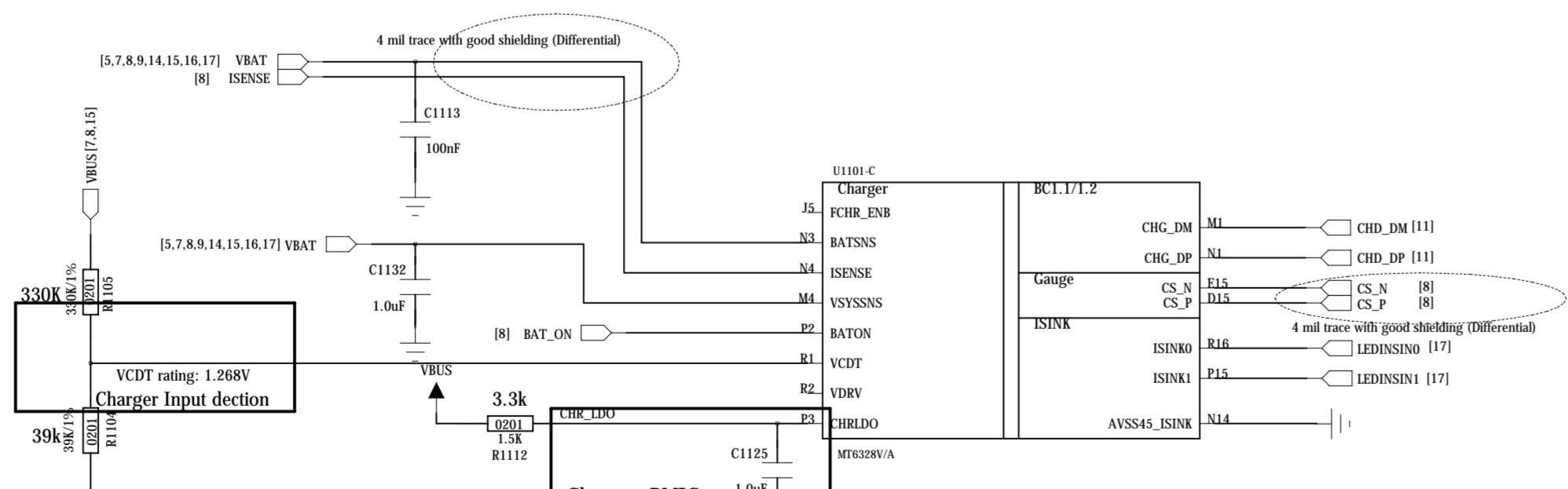
REVISION RECORD			
REV	ECN NO.	APPROVED:	DATE

Place input cap. as close to PMICs as  
VPROC>VCORE>VLTE>VSYS>VPA

Output net name	Trace Width (mils)
VBAT_VPROC	≥50
VBAT_VCORE	≥36
VBAT_VLTE	≥26
VBAT_VSYS	≥44
VBAT_VPA	≥30



Regulator	Output Voltage Range(V)	Output Current(mA)	Input Decoupling Cap	Output Decoupling	Note
VPROC	0.6~1.31	5000	>2.2uF	0.33uH+47uF*2+22uF	≥125mil
VCORE	0.6~1.31	3500	>2.2uF	0.47uH+47uF*2	≥88mil
VLTE	0.6~1.31	2800	>2.2uF	0.47uH+22uF*3	≥63mil
VSYS	2	1900	>2.2uF	0.47uH+22uF+10uF	≥48mil
VPA	0.5~3.4	600	>4.7uF	2.2uH+2.2uF+2.2uF	≥30mil
VM	1.24/1.39/1.54	1000		9.4uF~10uF	L/W=1500mil/25mil
VTCXO_0	2.8	40		1uF~3uF	L/W=2800mil/6mil
VTCXO_1	2.8	40		1uF~3uF	L/W=2800mil/6mil
VRF18_0	1.825	350		2.2uF~3.3uF	L/W=2800mil/10mil
VRF18_1	1.2/1.3/1.5/1.825	300		2.2uF~3.3uF	L/W=2800mil/10mil
VSIM1	1.7/1.8/1.86/2.76/3.0/3.1	50		1uF~3uF	L/W=2800mil/6mil
VSIM2	1.7/1.8/1.86/2.76/3.0/3.1	50		1uF~3uF	L/W=2800mil/6mil
VCN18	1.8	150		1uF~3uF	L/W=2800mil/10mil
VCN28	2.8	40		1uF~3uF	L/W=2800mil/6mil
VCN33	3.0/3.1/3.2/3.3/3.4/3.5/3.6	350		4.7uF~5uF	L/W=2800mil/12mil
VIO18	1.8	600		2.2uF~3.4uF	L/W=2800mil/20mil
VUSB33	3.3	20		1uF~3uF	L/W=2800mil/6mil
VIO28	2.8	200		2.2uF~6uF	L/W=2800mil/10mil
VEFUSE	1.8/1.9/2.0/2.1/2.2	200		1uF~3uF	L/W=2800mil/10mil
VMC	1.8/2.9/3.0/3.3	200		1uF~4.7uF	L/W=2800mil/10mil
VMCH	2.9/3.0/3.3	800		4.7uF~7uF	L/W=2800mil/20mil
VEMC_3V3	2.9/3.0/3.3	400		4.7uF~7uF	L/W=2800mil/12mil
VCAMA	1.5/1.8/2.5/2.8	200		2uF~3.3uF	L/W=2800mil/10mil
VCAMAF	1.2/1.3/1.5/1.8/2.0/2.8/3.0/3.3	200		2uF~3.3uF	L/W=2800mil/10mil
VCAMD	0.9/1.0/1.1/1.22/1.3/1.5	500		4.4uF~13.2uF	L/W=2800mil/16mil
VCAMIO	1.2/1.3/1.5/1.8	200		1uF~3uF	L/W=2800mil/10mil
VGP1	1.2/1.3/1.5/1.8/2.5/2.8/3.0/3.3	200		1uF~3uF	L/W=2800mil/10mil
VSRAM	0.6~1.31	400		4.7uF~7uF	L/W=2800mil/12mil
VIBR	1.2/1.3/1.5/1.8/2.0/2.8/3.0/3.3	100		1uF~3uF	L/W=2800mil/8mil
VAUX18	1.8	40		1uF~3uF	L/W=2800mil/6mil
VAUD28	2.8	40		1uF~3uF	L/W=2800mil/6mil
DVDD18_DIG	1.8	20		1uF	L/W=800mil/4il
VRTC	2.8	2		0.1uF	L/W=800mil/4il



COMPANY:	Shanghai Longcheer		
TITLE:	L3400		
DRAWN:	<Drawn By>		
CHECKED:	<Checked By>		
QUALITY CONTROLLED:	<QC Date>		
RELEASED:	<Code> A0 <Drawing Number> A1		
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REVISION RECORD			
REV	ECO NO.	APPROVED	DATE

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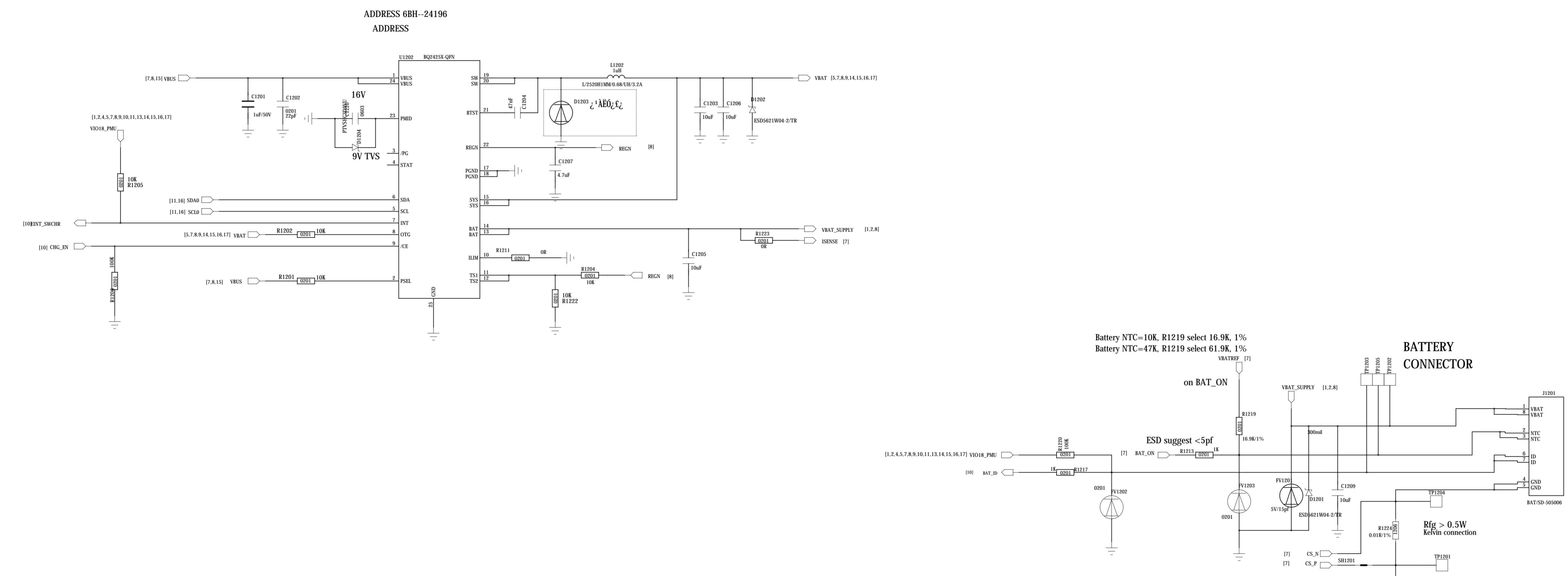
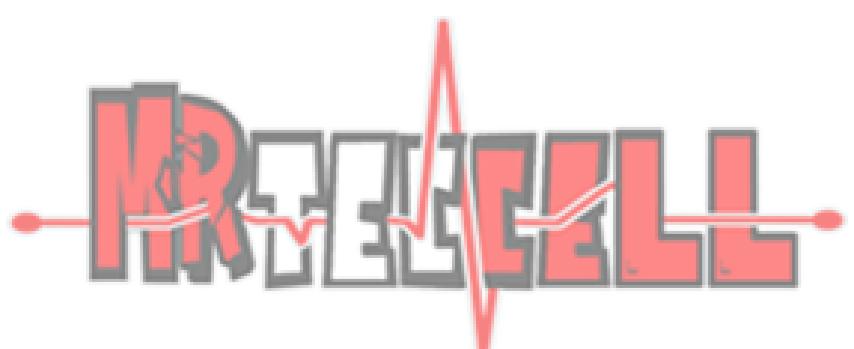
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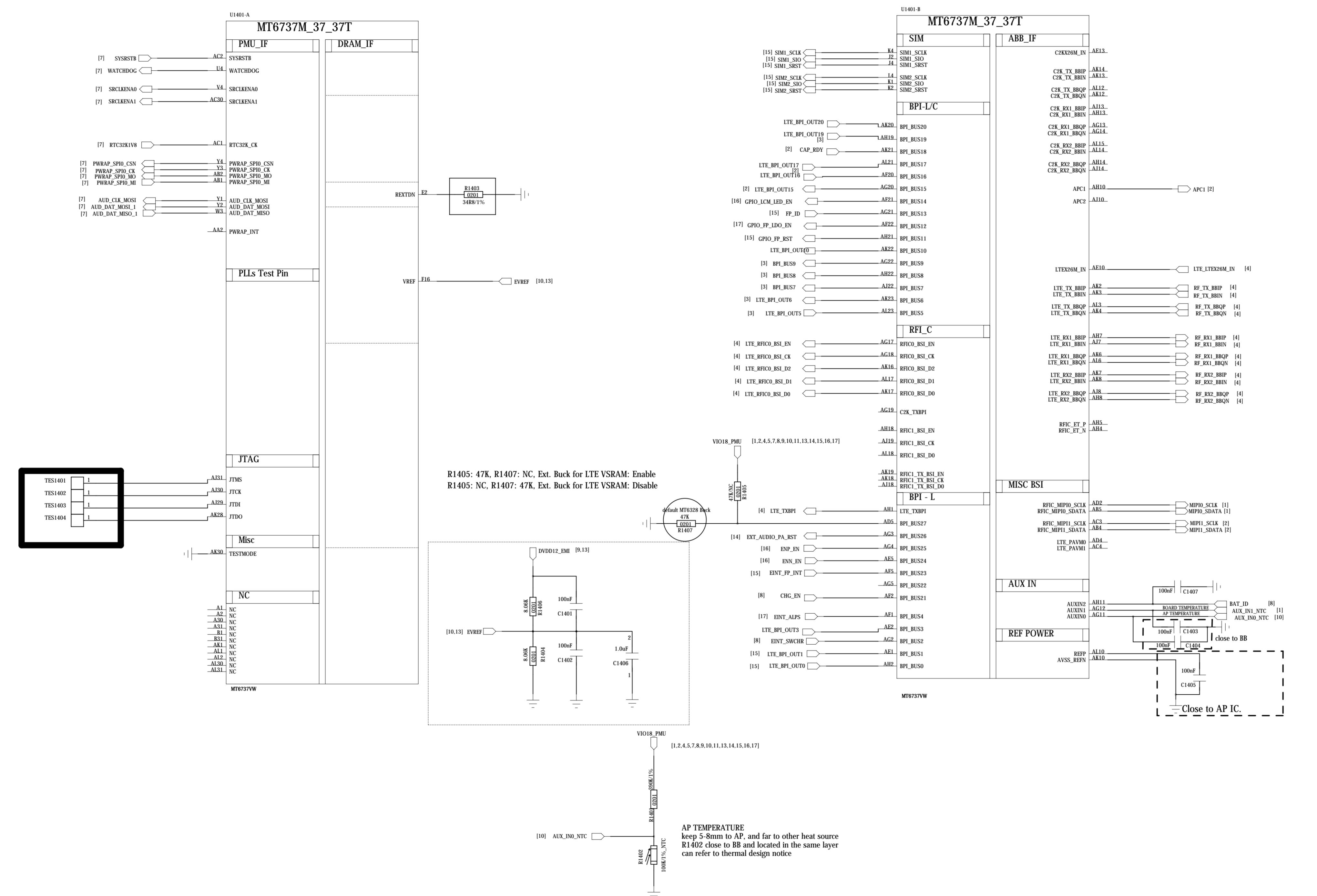
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REVISION RECORD			
REV	ECO NO.	APPROVED	DATE



COMPANY: Shanghai Longcheer			
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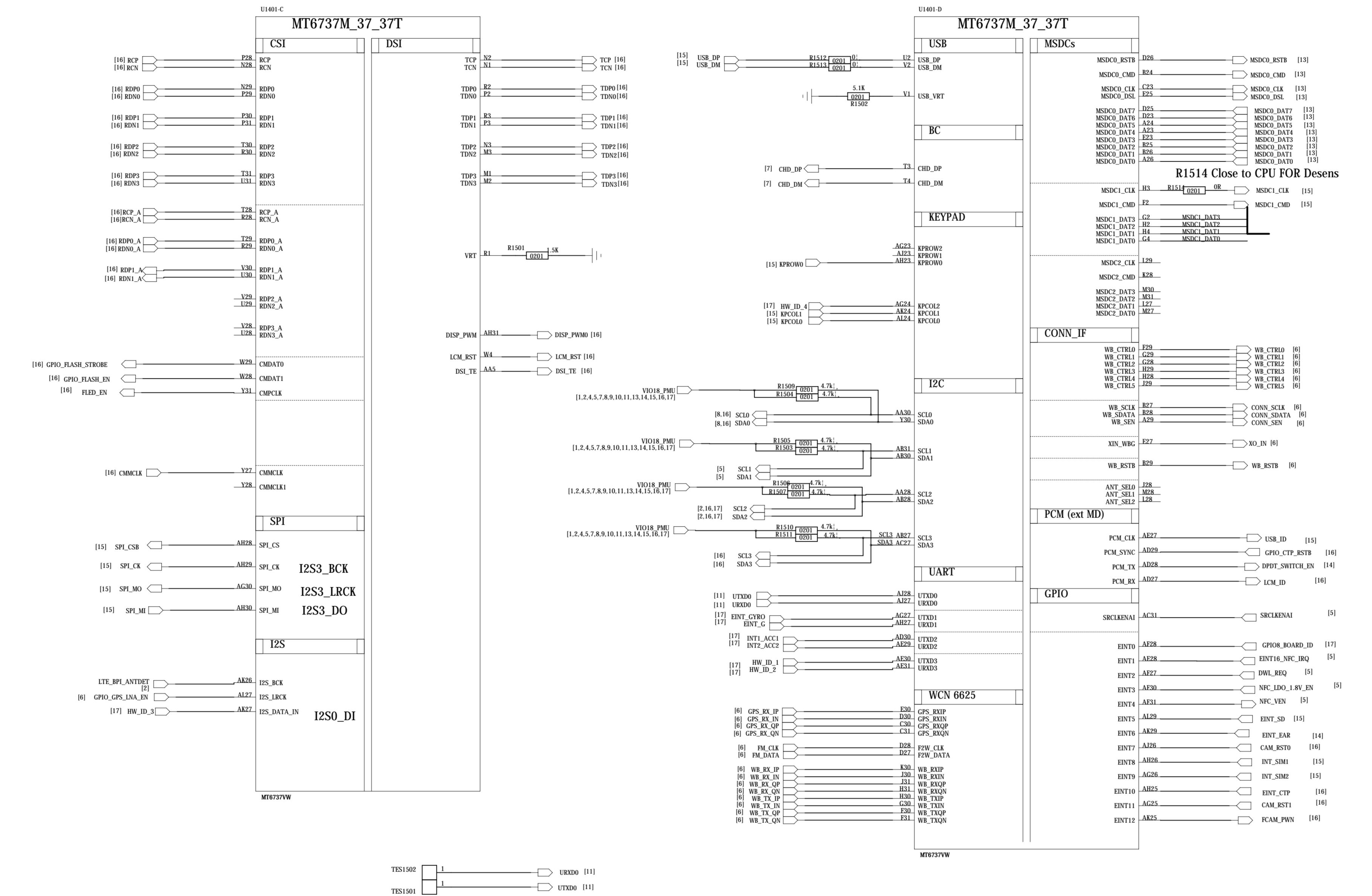
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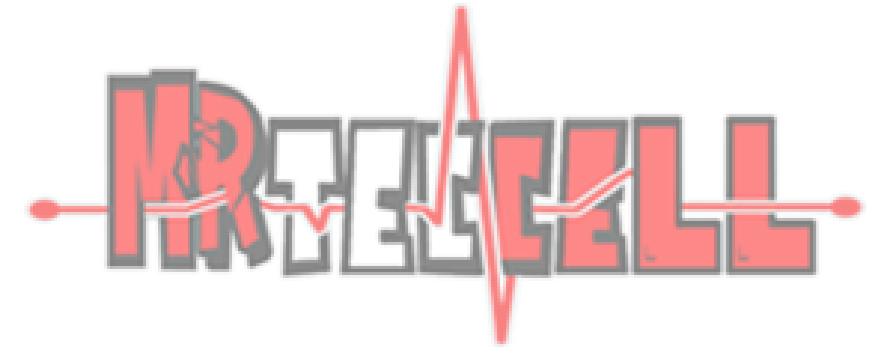
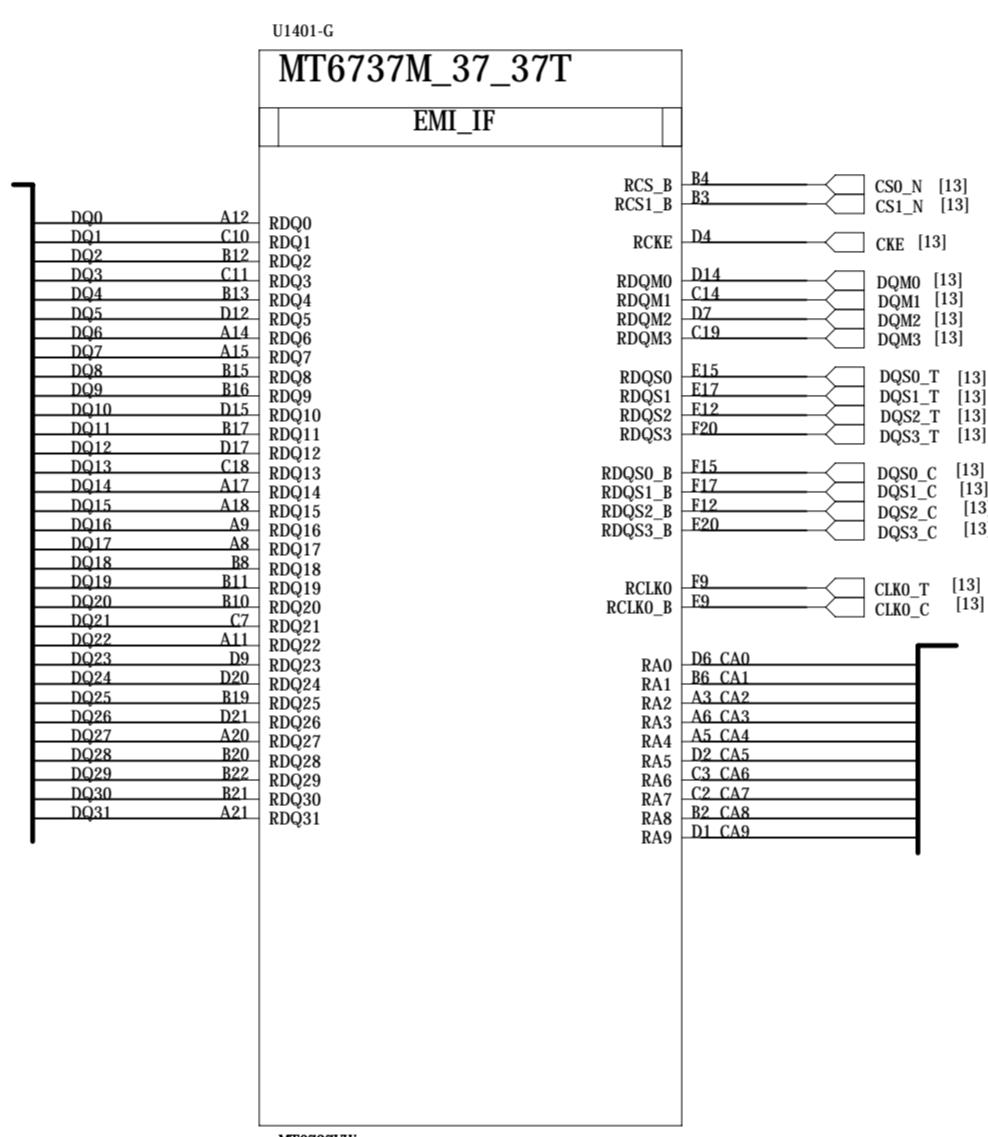
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COMPANY: Shanghai Longcheer			
TIME: L3400			
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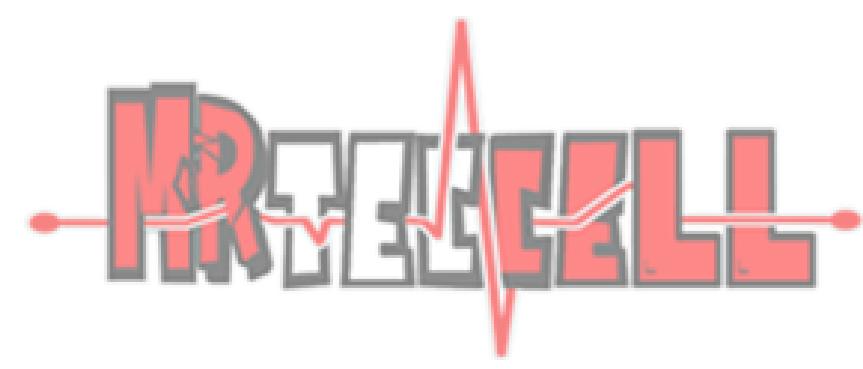
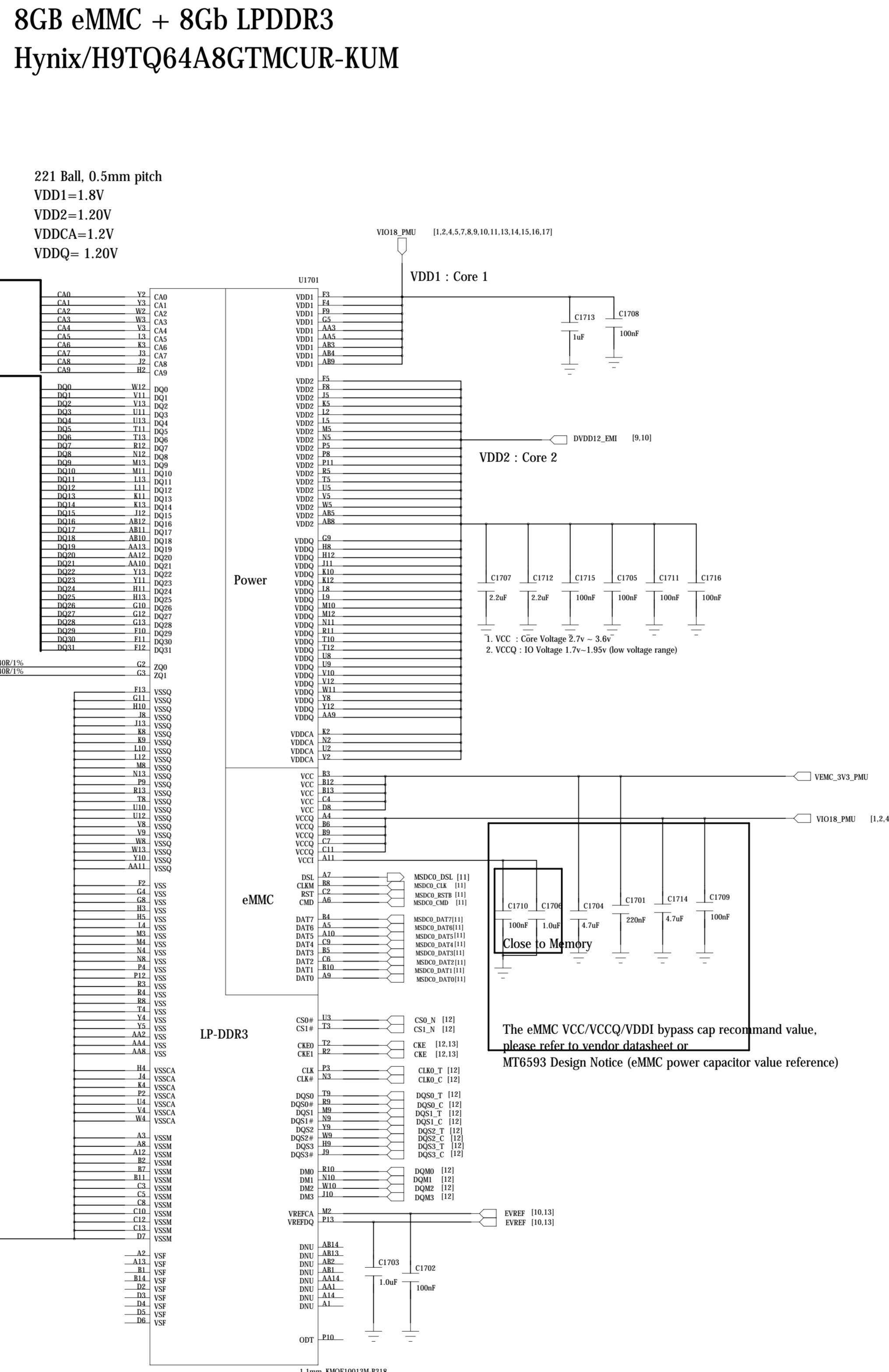
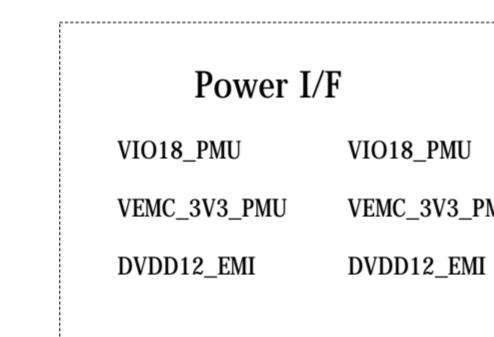
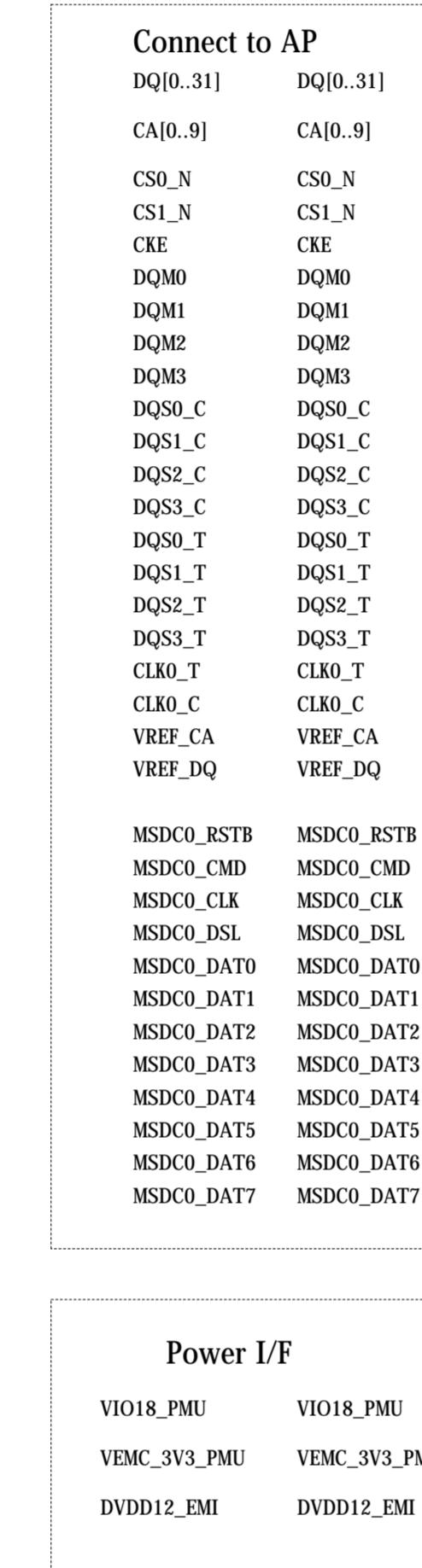
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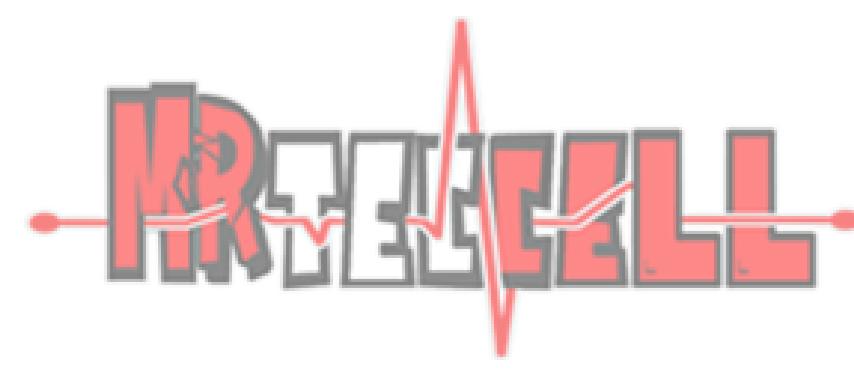
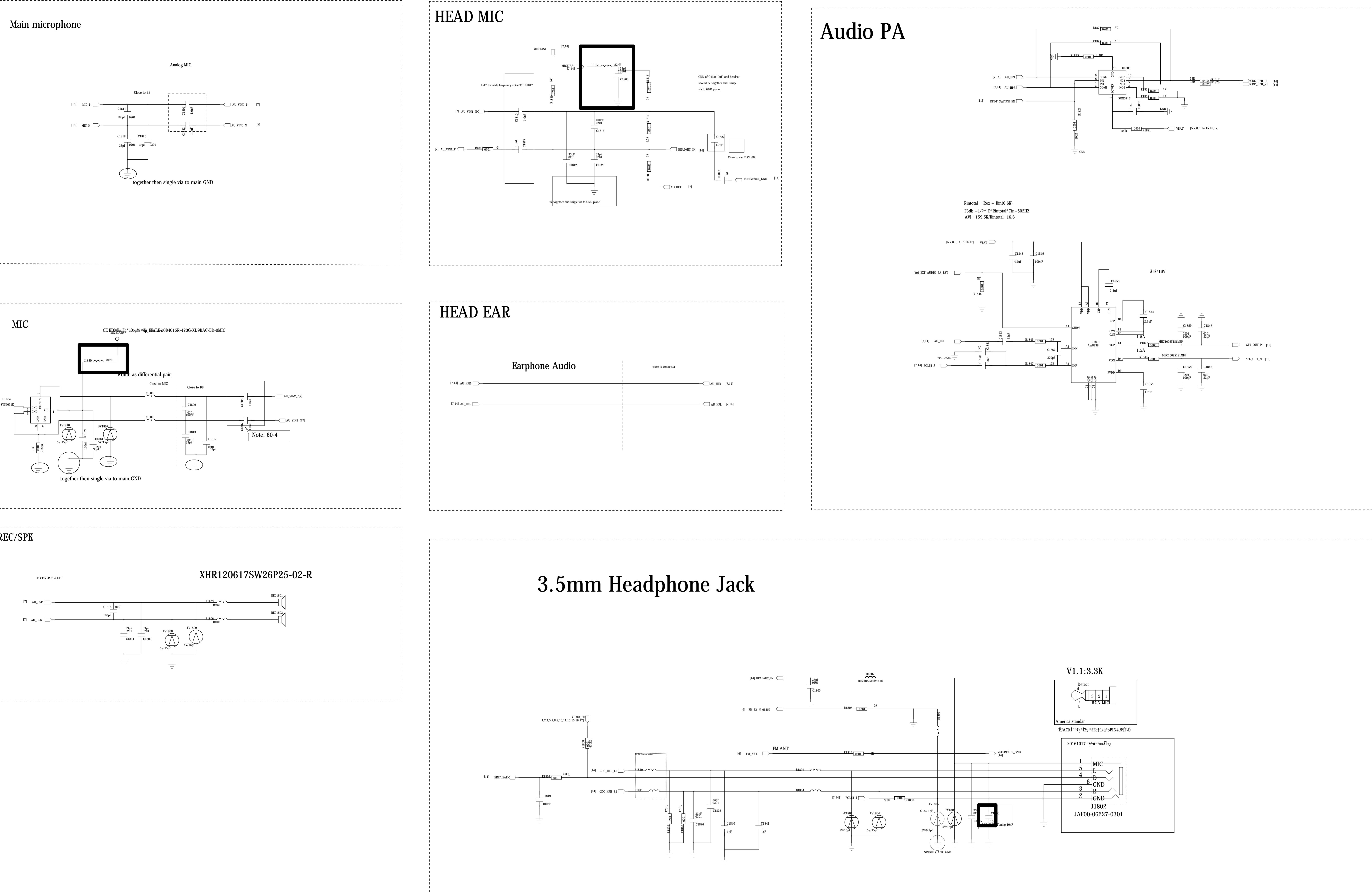
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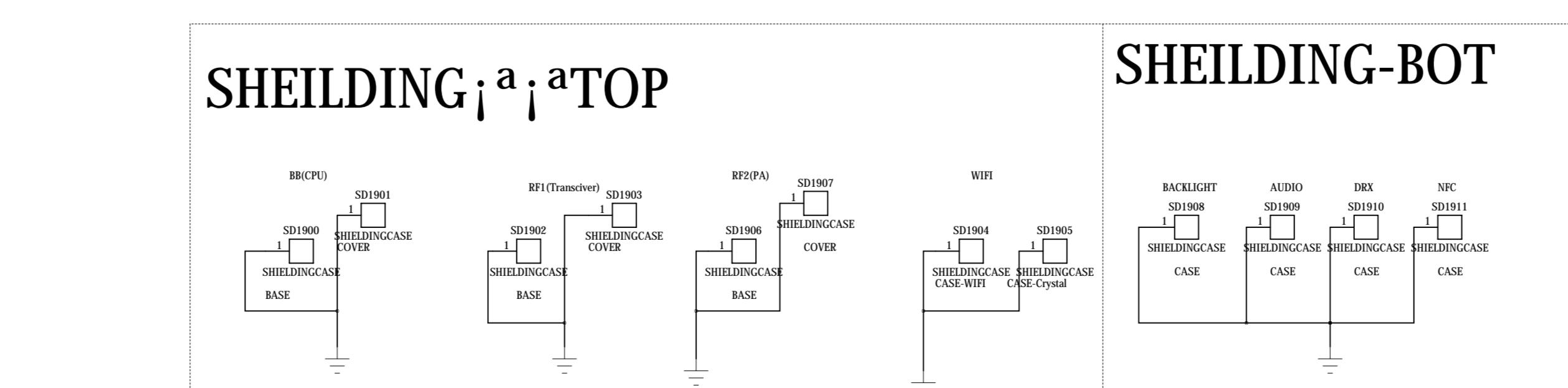
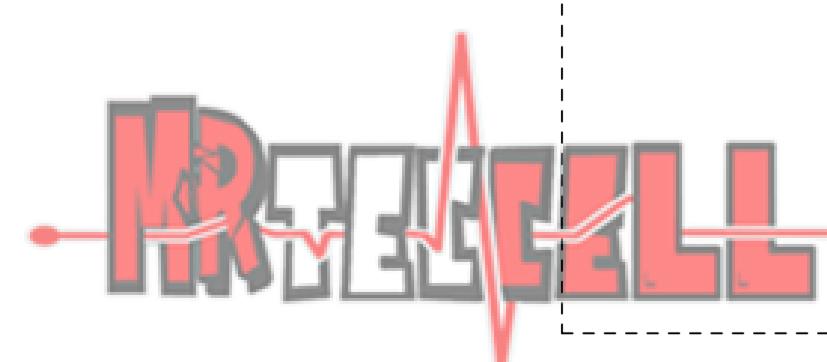
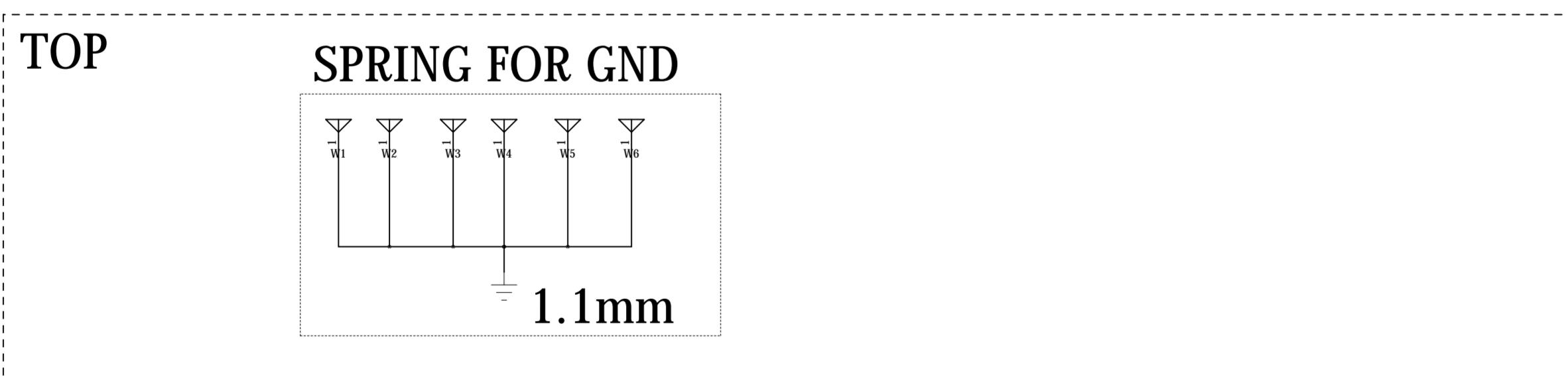
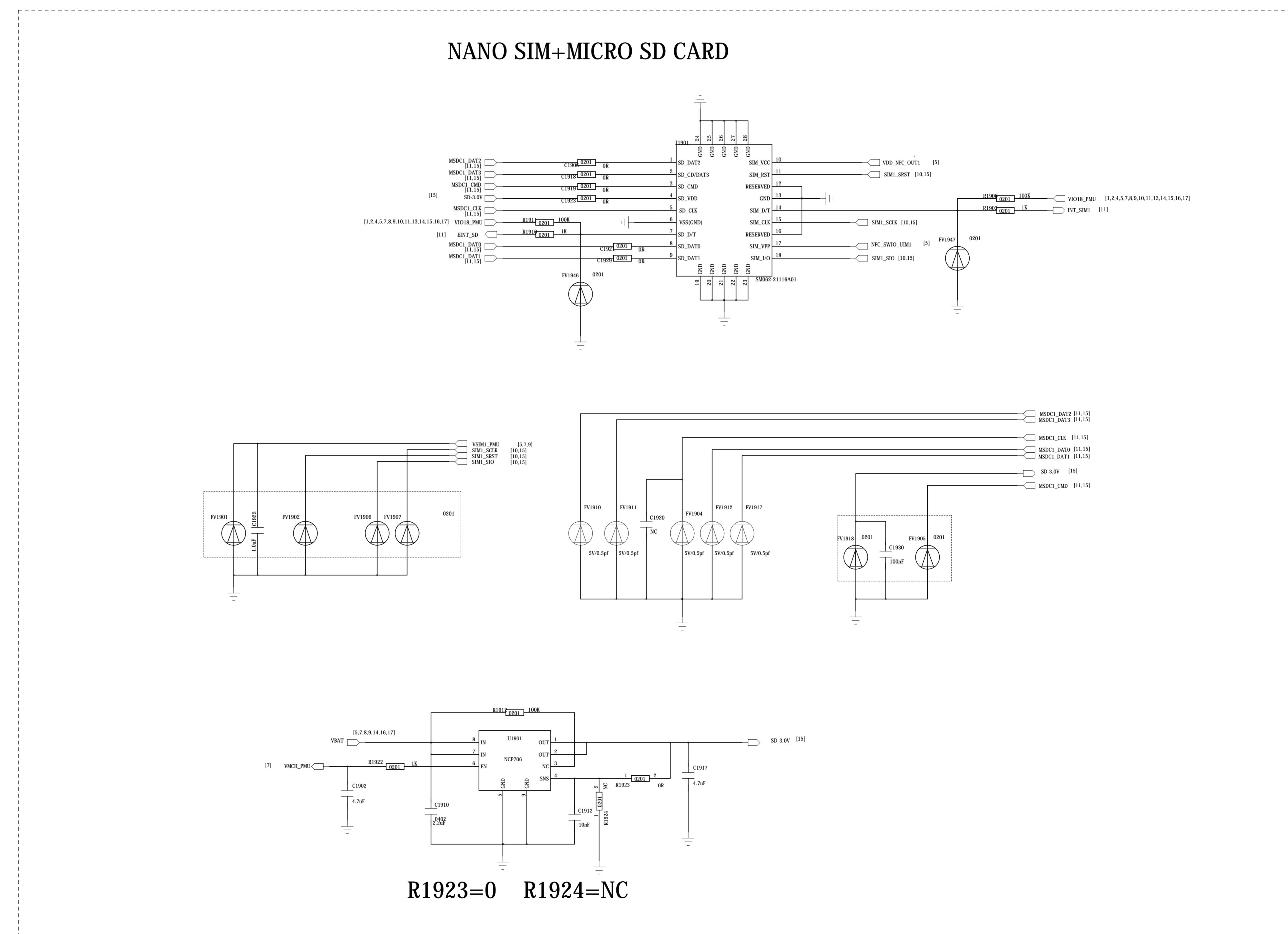
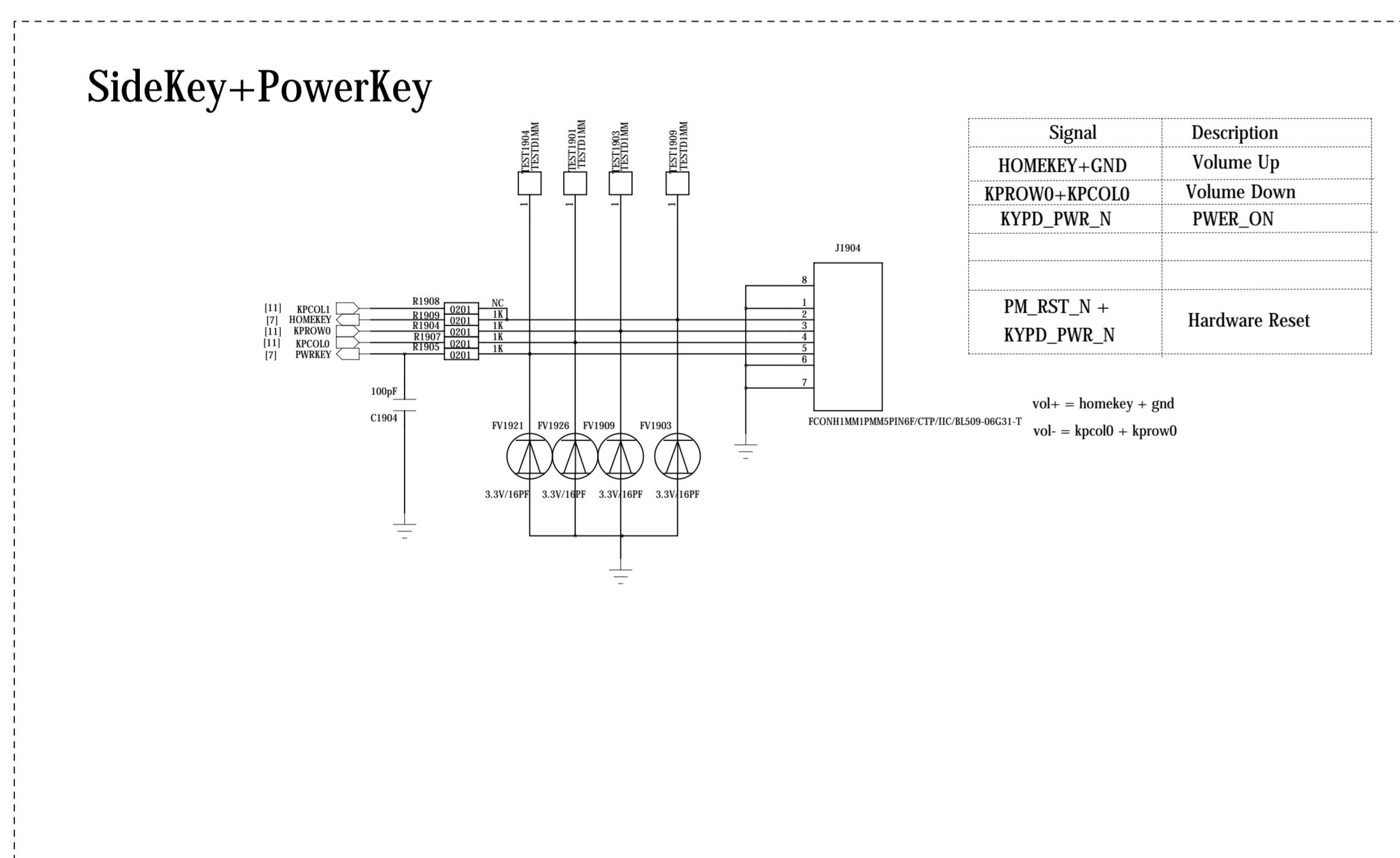
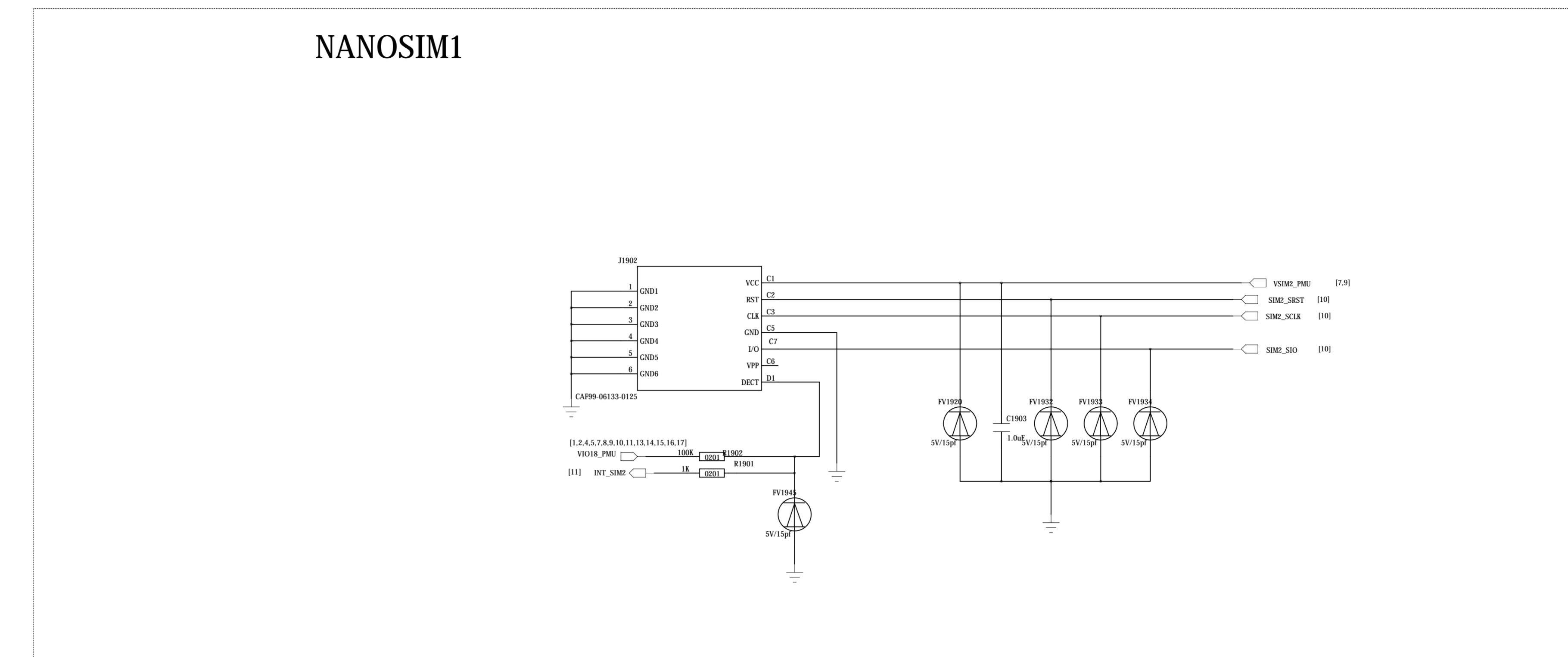
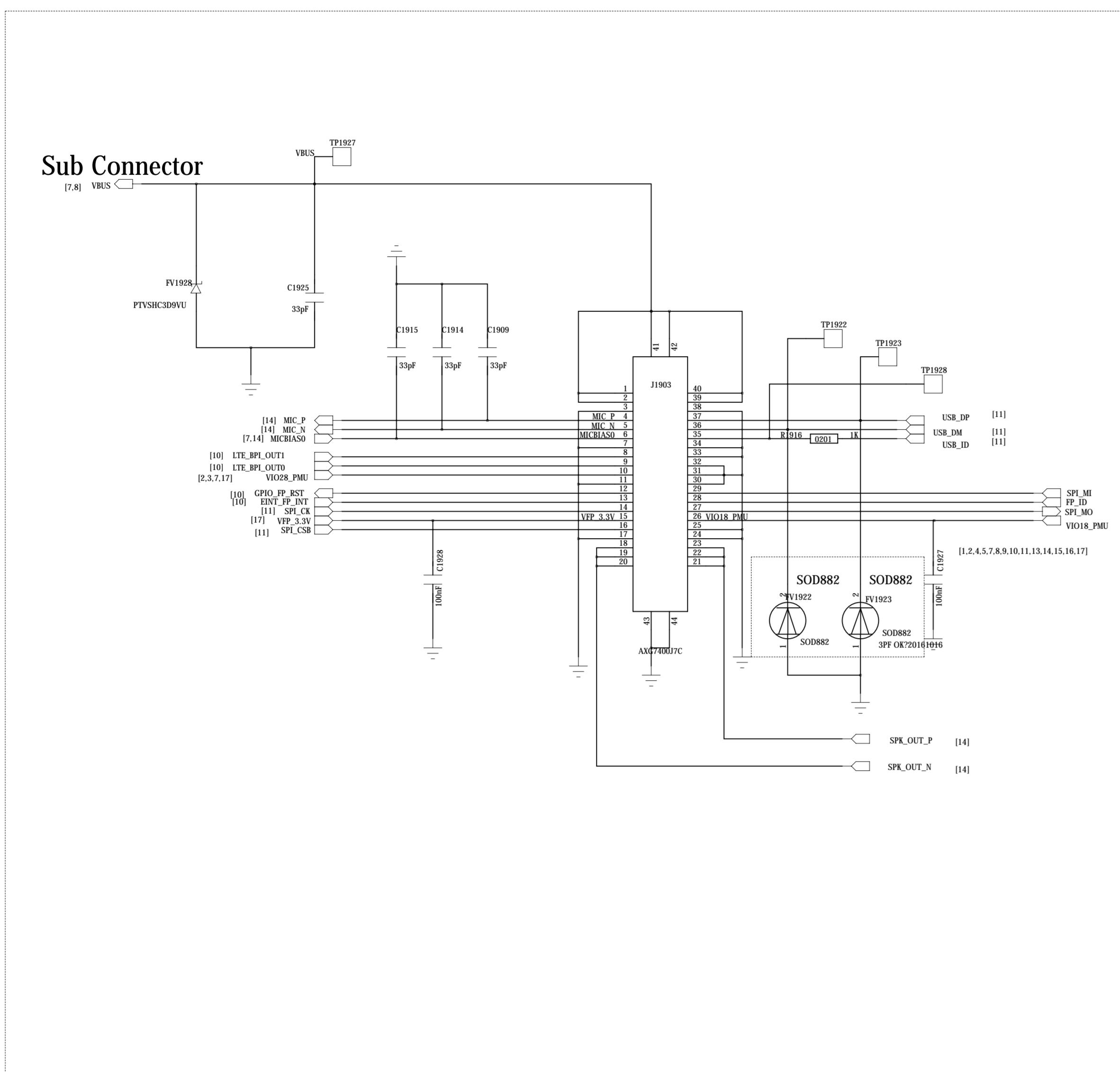
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ITR	ED NO.	APPROVED	DATE



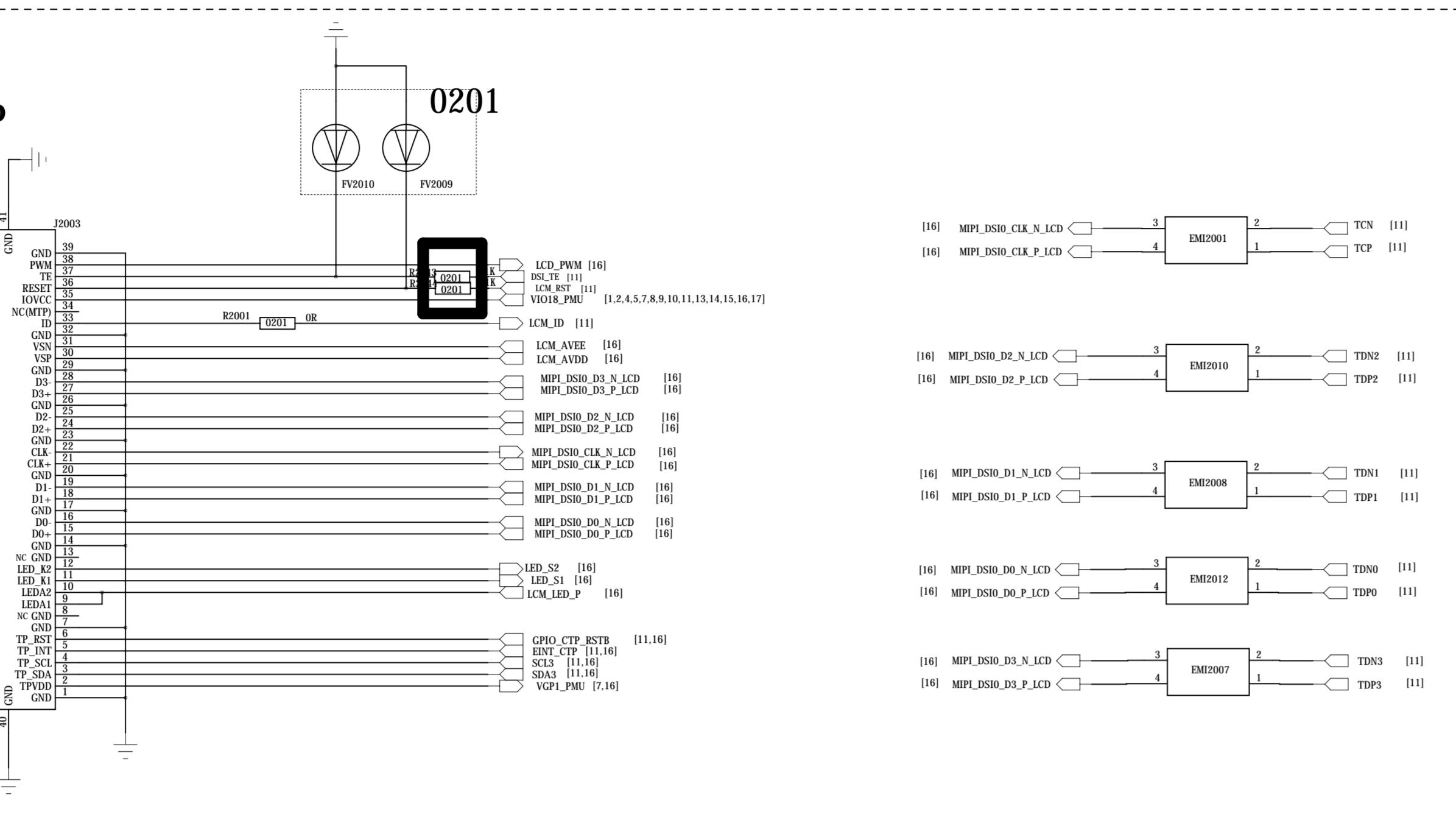
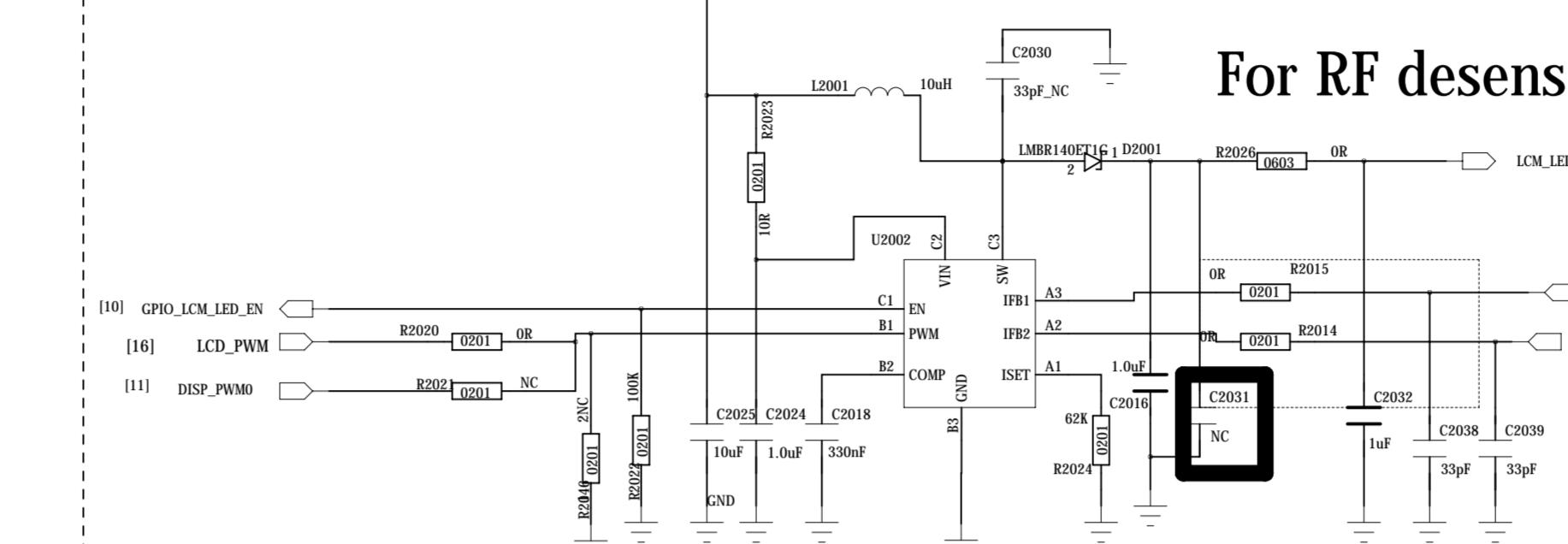
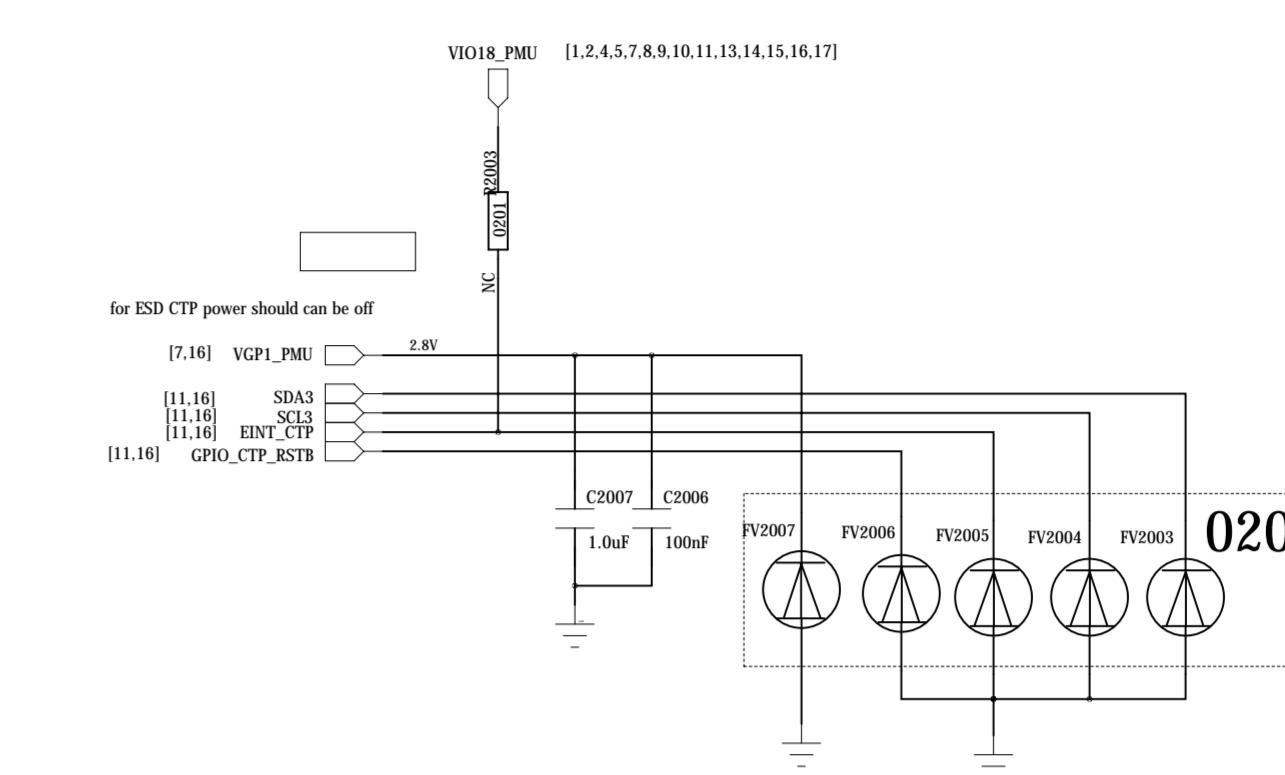
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SHEET:	14		19

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

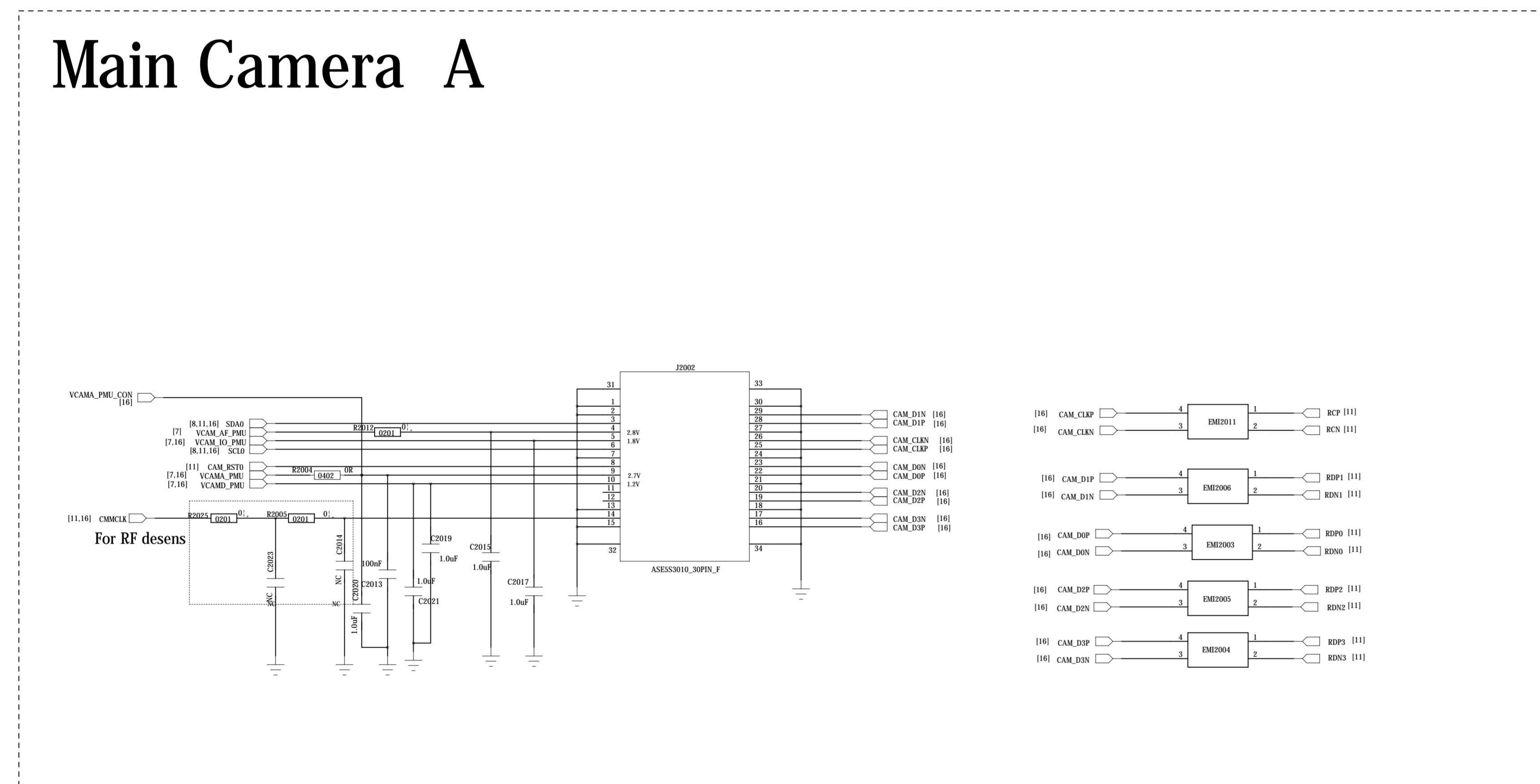
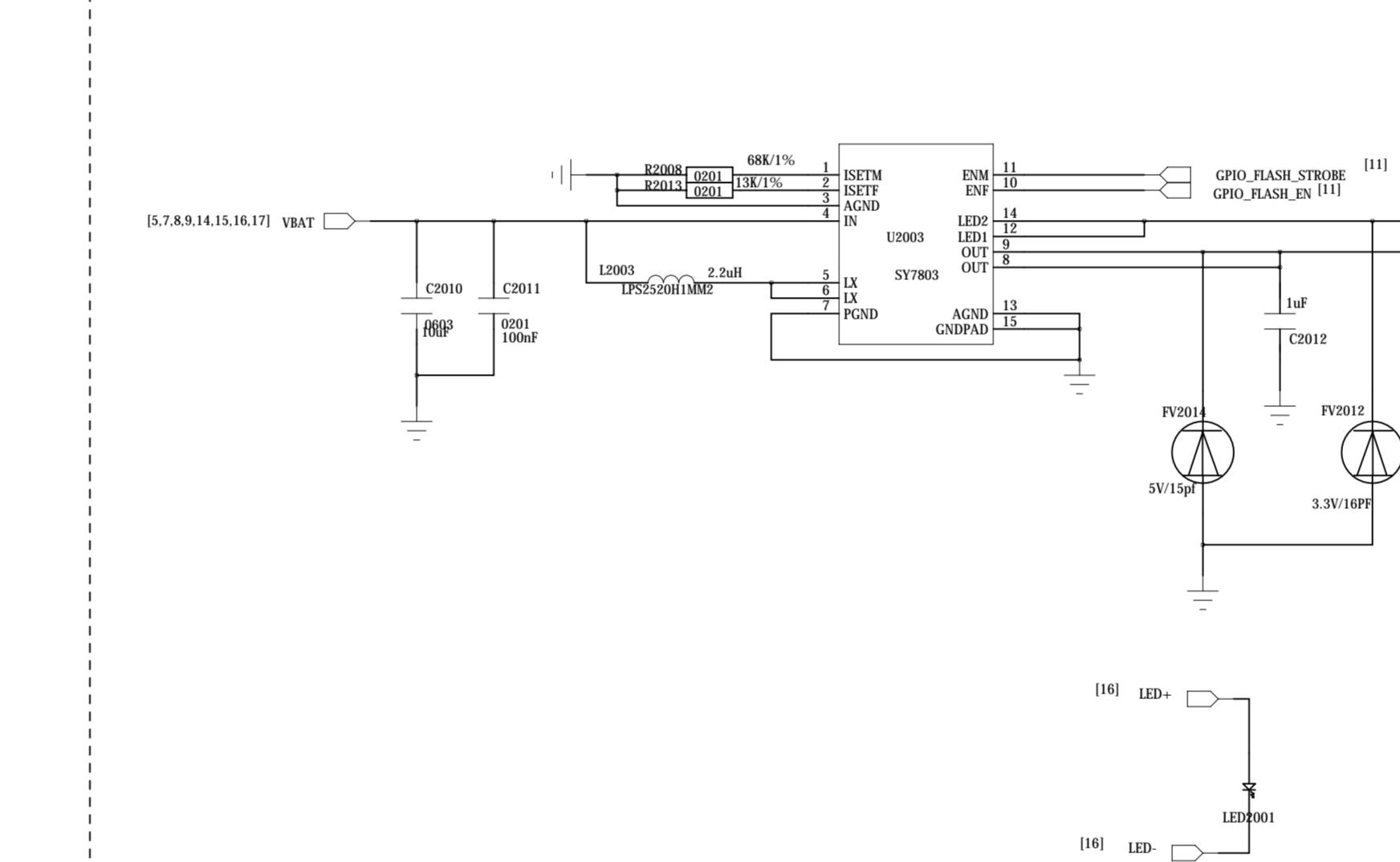
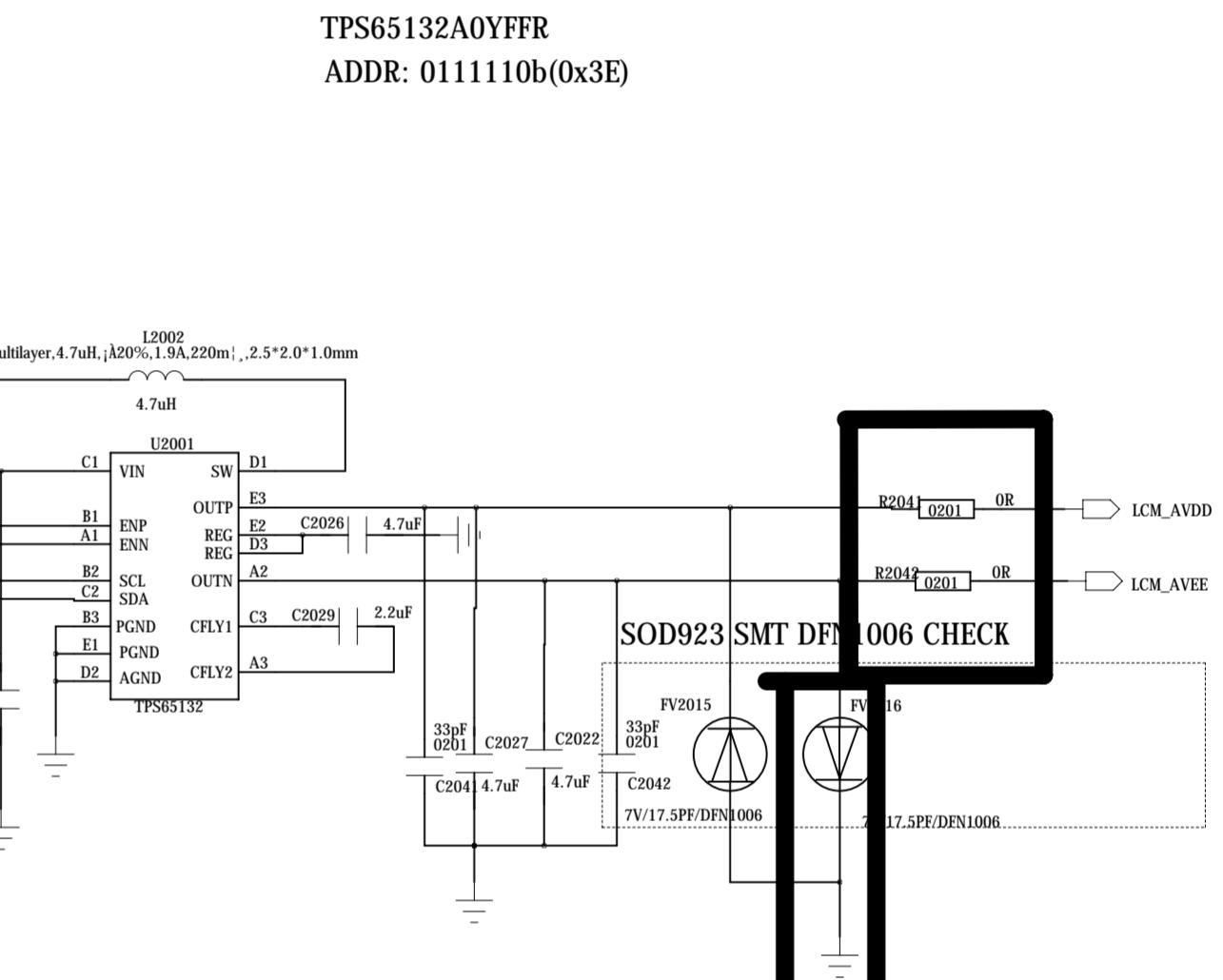


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ITR	ECO NO.	APPROVED:	DATE:

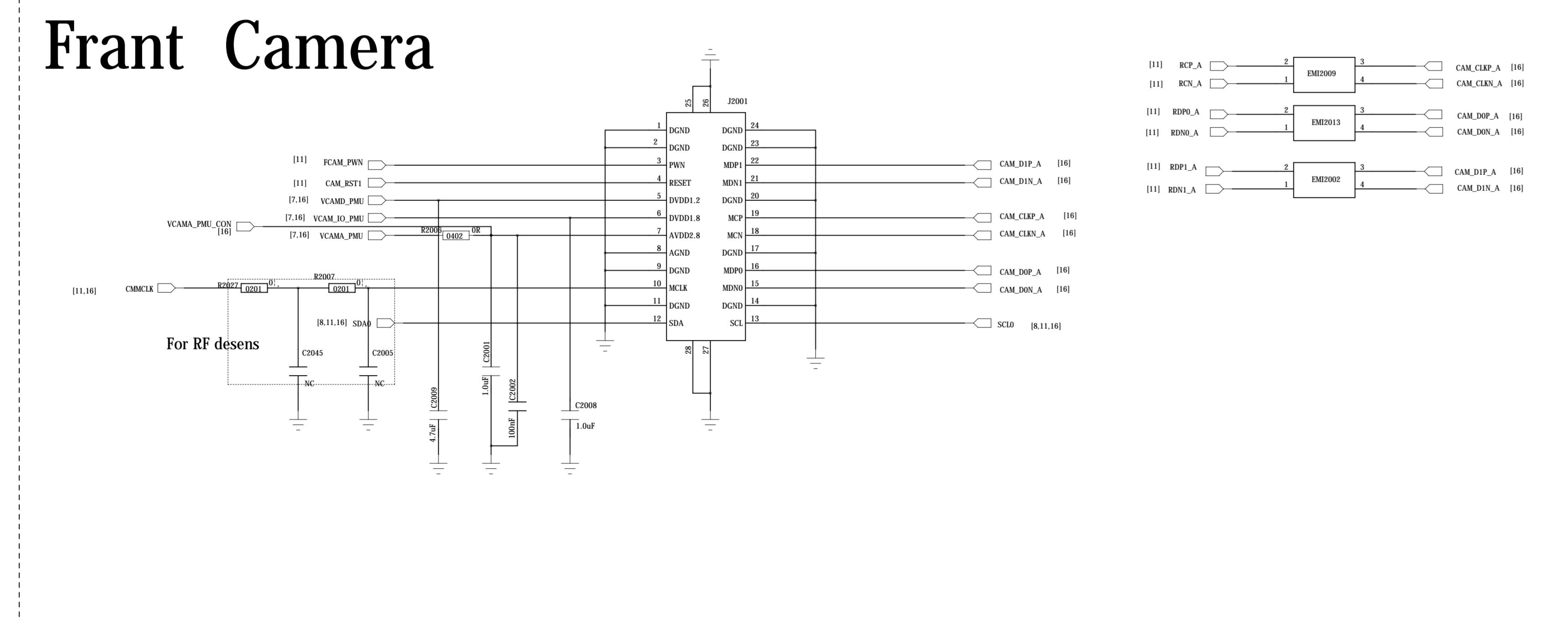
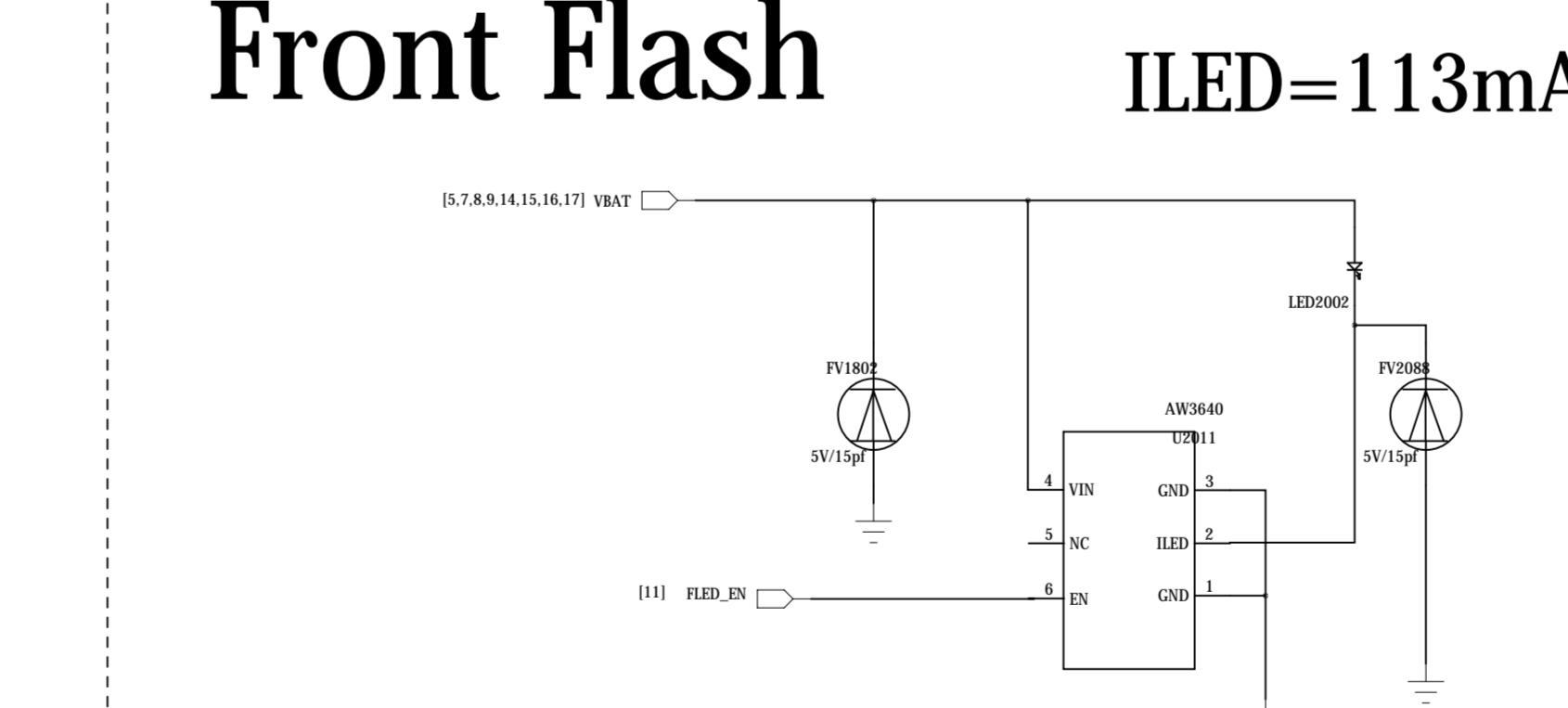
D

**LCD****LCM & CTP****LCD Backlight****TP**

C

**Main Camera A****FLASHLIGHT****REARFLASH****LCDBIAS**

B

**Front Camera****Front Flash**

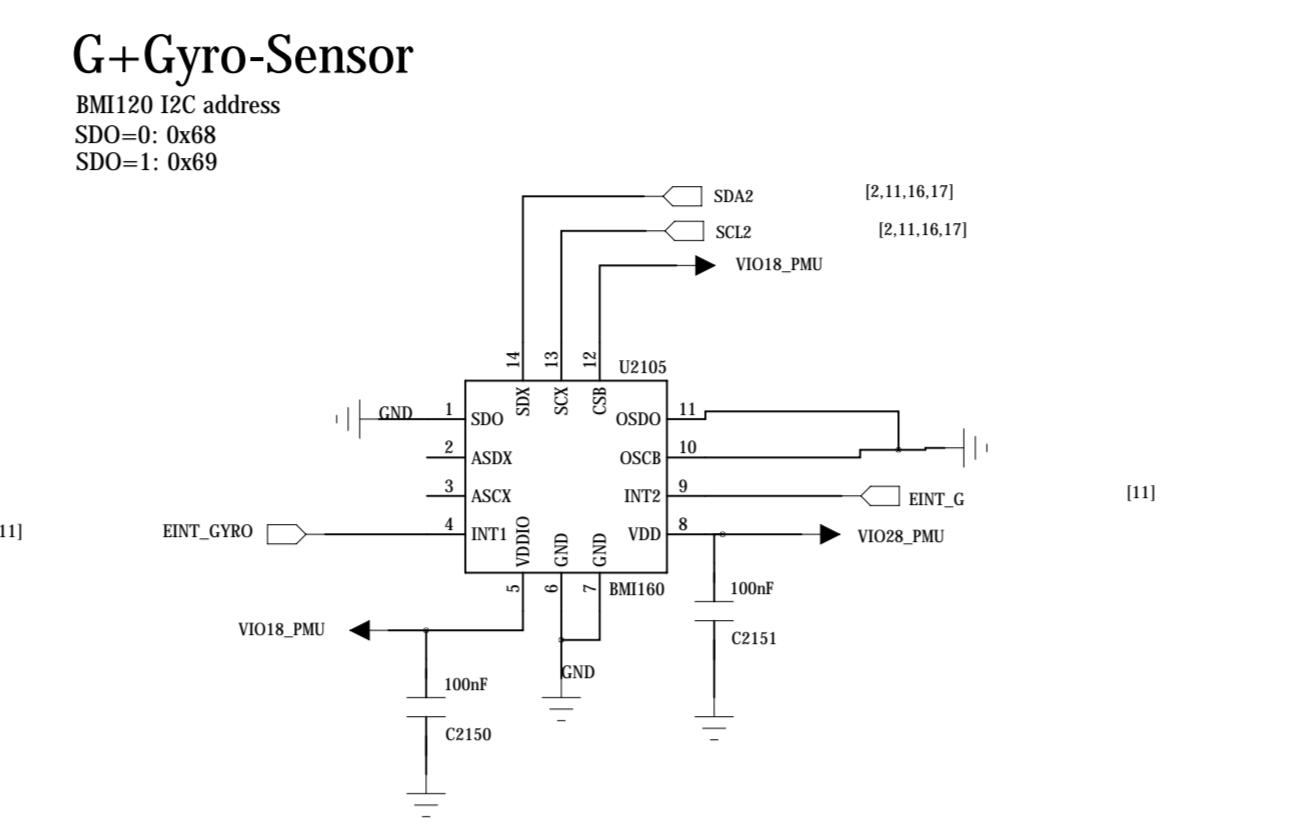
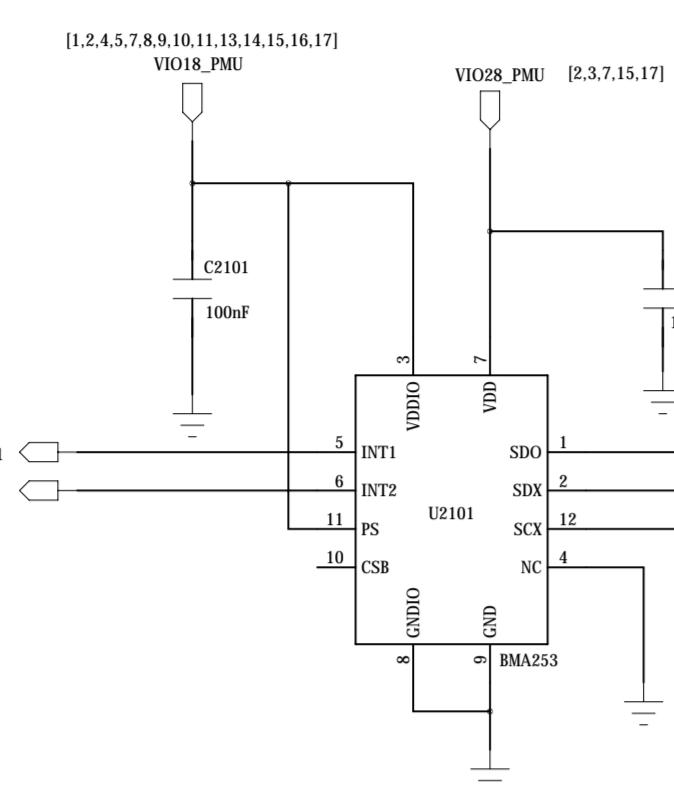
A



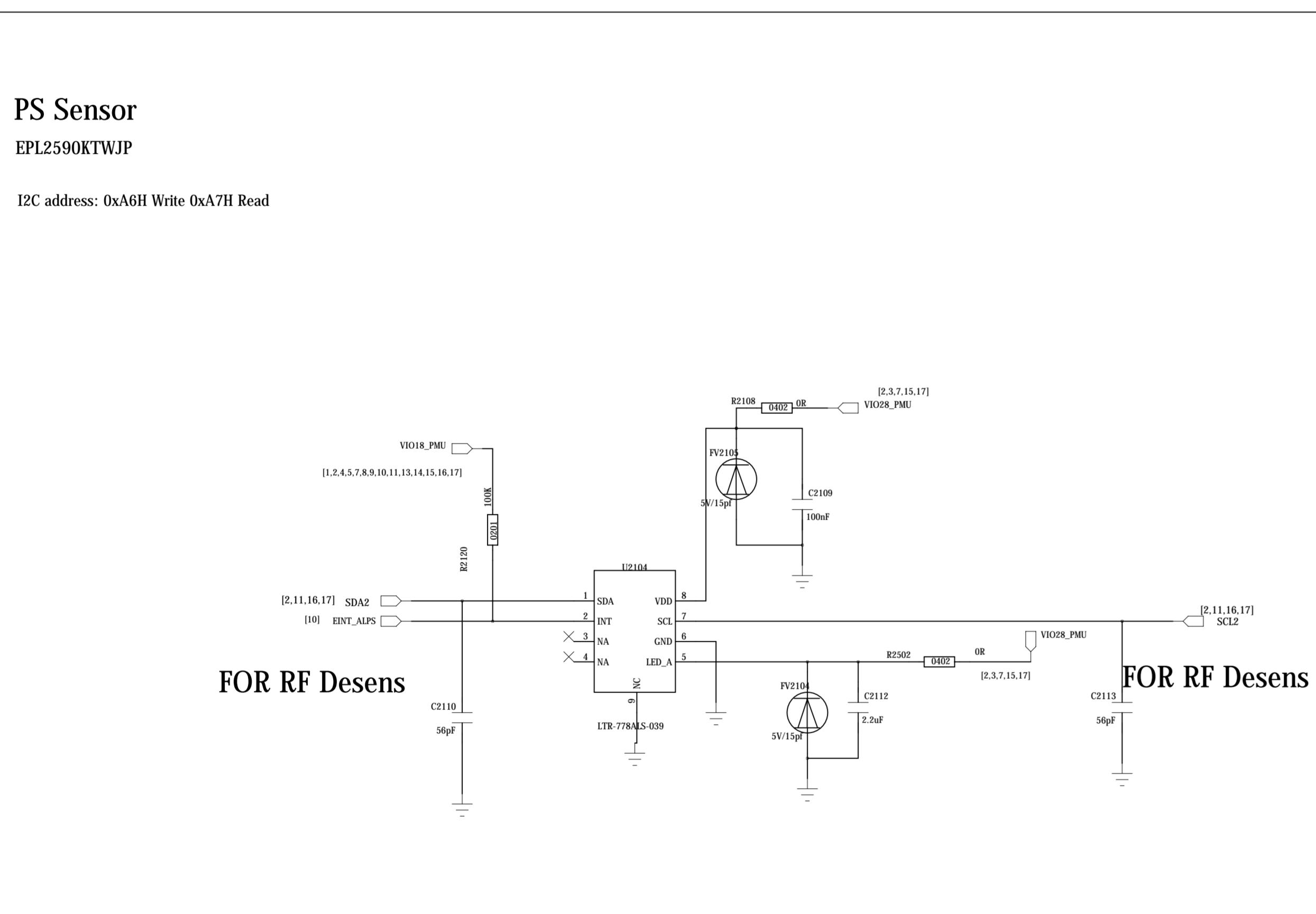
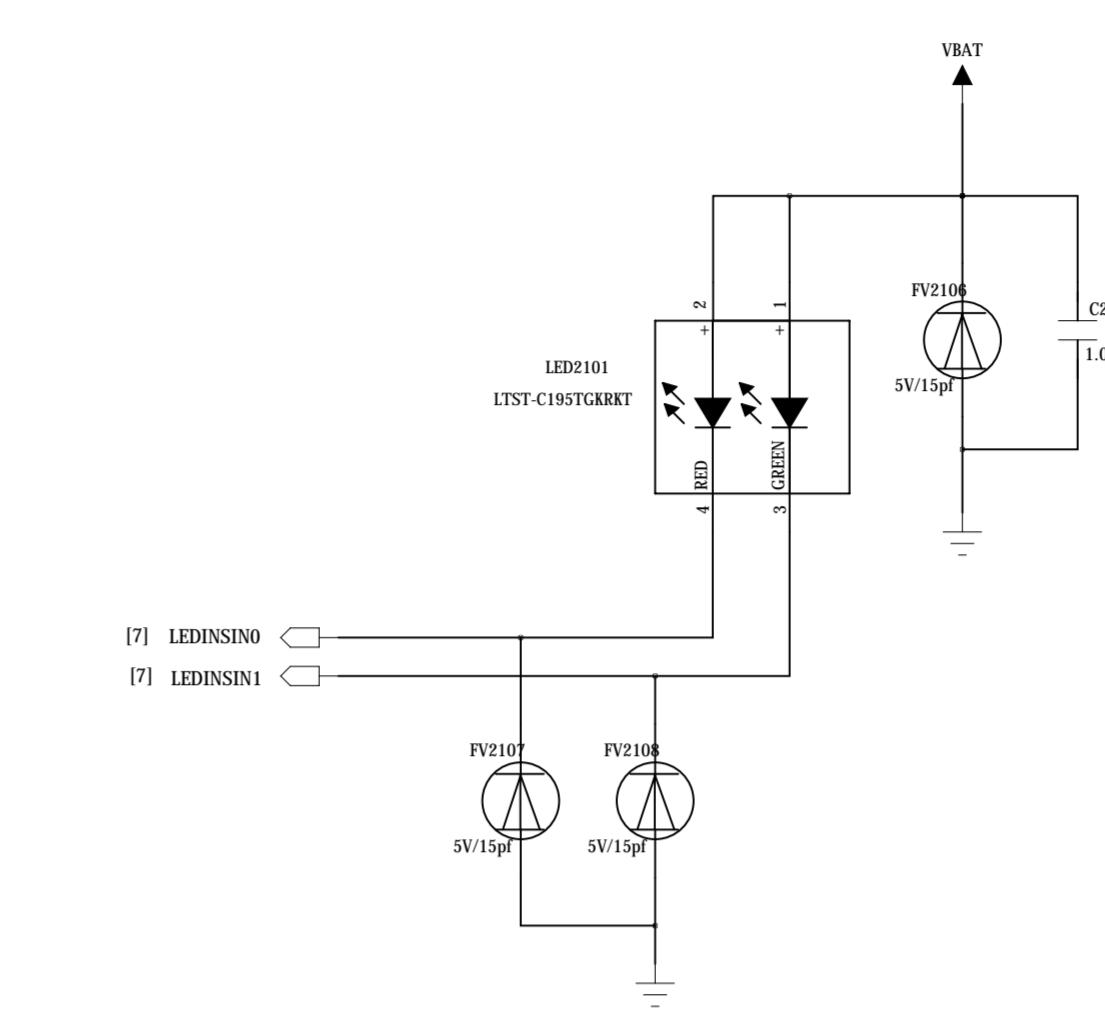
COMPANY:	Shanghai Longcheer		
TIME:	L3400		
DRAWN:	<Drawn By>	DATED:	<Drawn Date>
CHECKED:	<Checked By>	DATED:	<Checked Date>
QUALITY CONTROL:	<QC By>	DATED:	<QC Date>
RELEASED:	<Released By>	DATED:	<Release Date>
CODE:	SIZE:	DRAWING NO.:	REV.:
<Code> A0		<Drawing Number>	A1
SCALE:	<Scale>	SHEET:	16 19

REVISION RECORD			
REV	ECO NO.	APPROVED	DATE

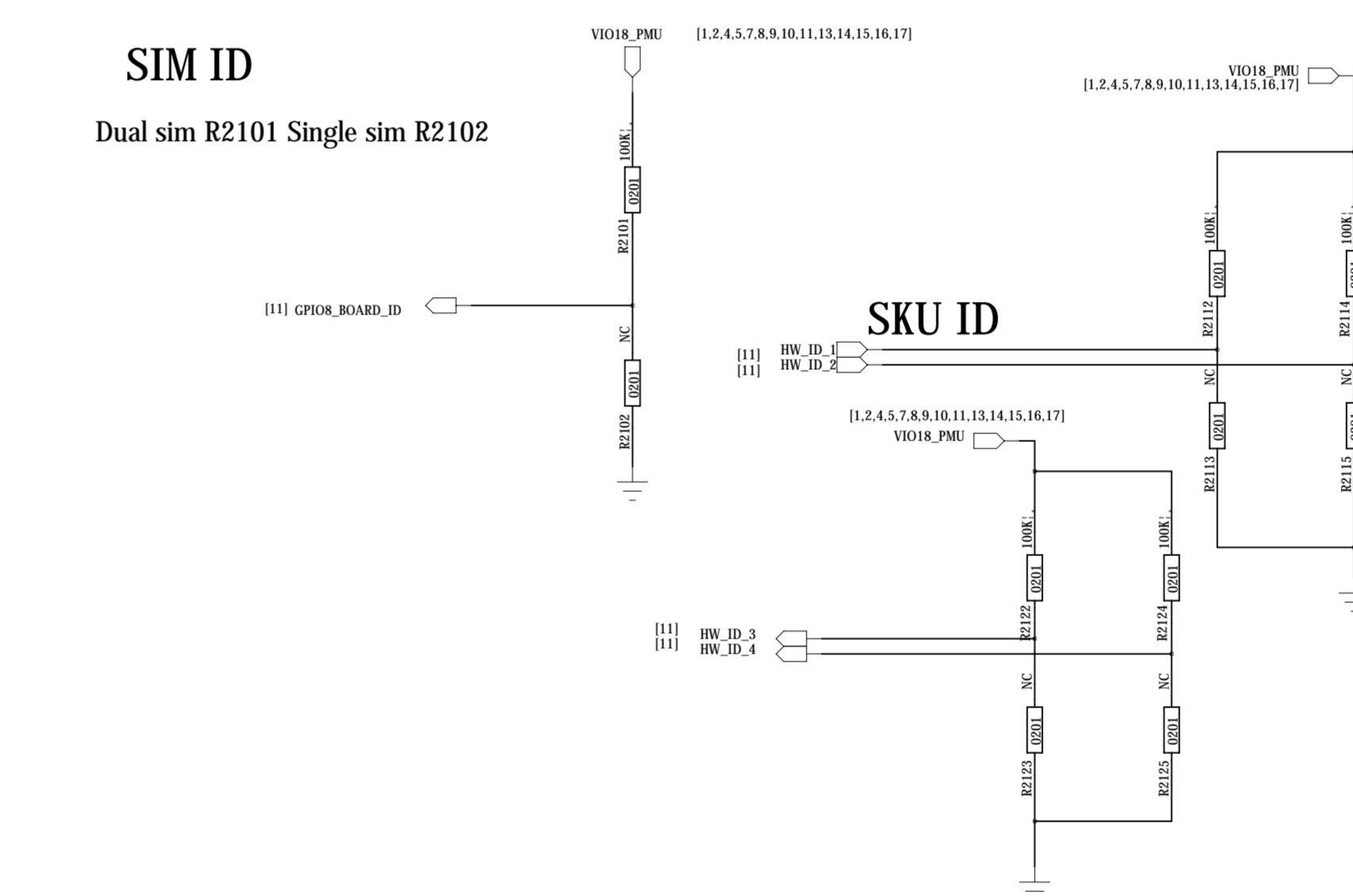
Accelerometer Sensor  
8bit(BMA223) compatible 12bit(BMA253)  
ADDR 0011000b(0x18) SDO=0



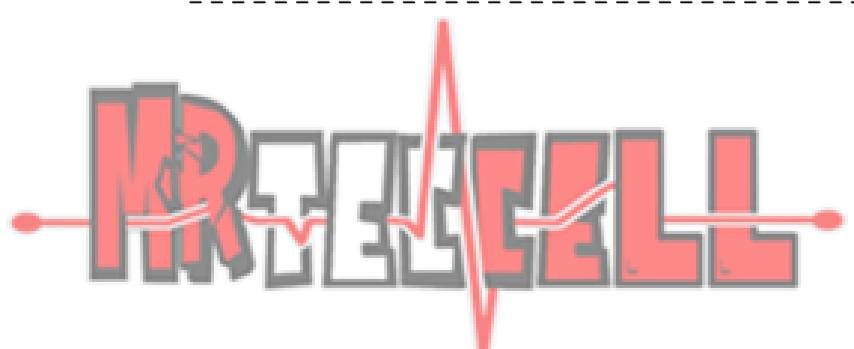
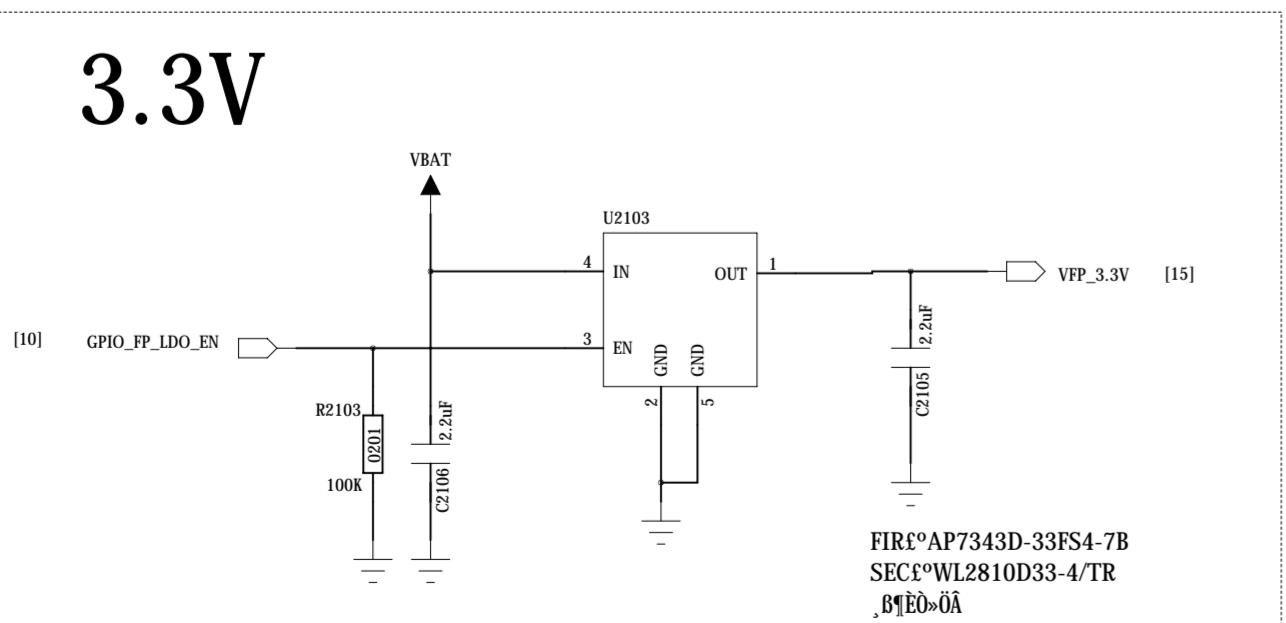
### RG LED



### BORAD ID

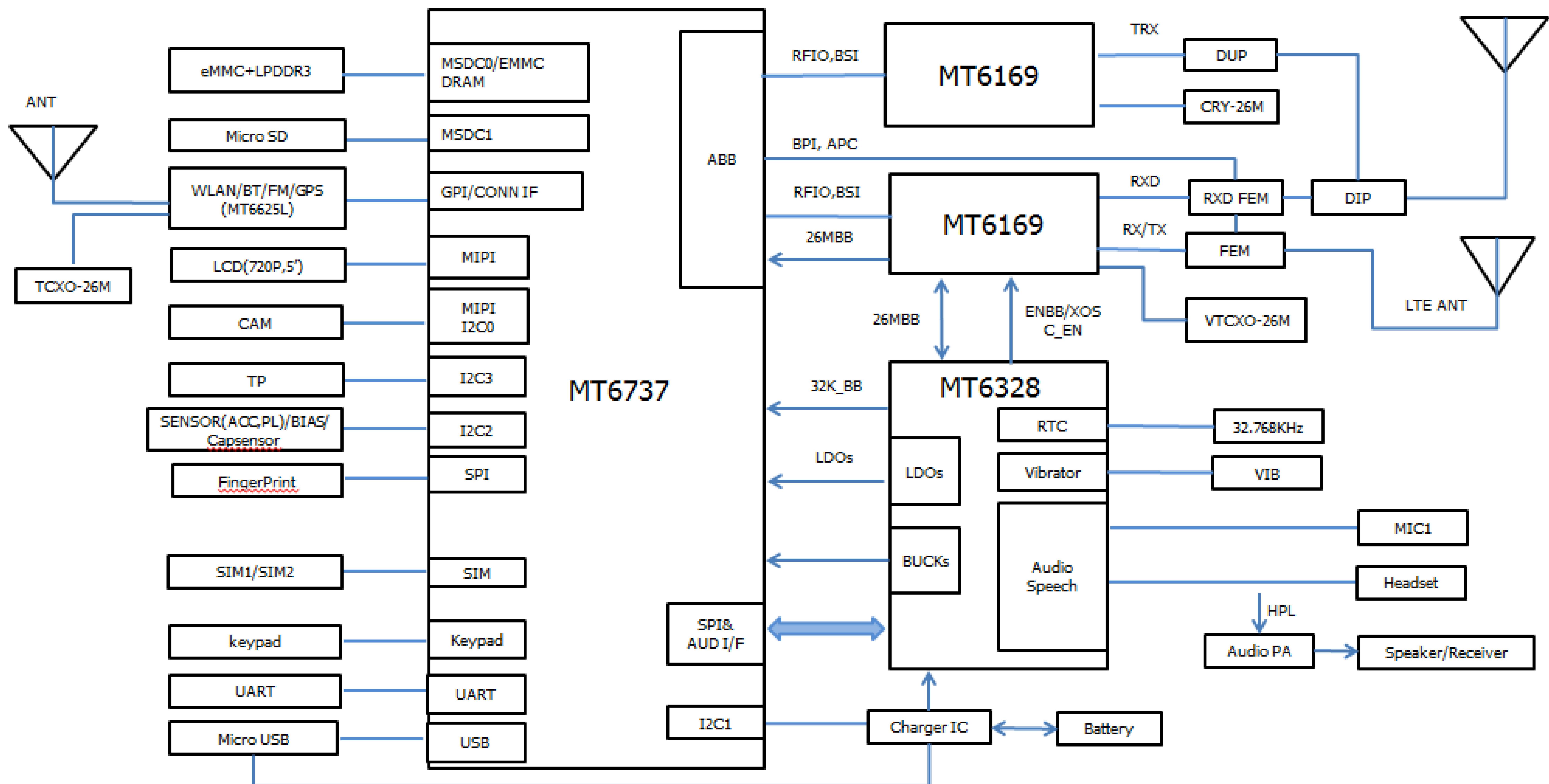


### FingerPrint-Sensor



COMPANY		Shanghai Longcheer	
TITLE		L3400	
DRAWN:	<Drawn By>	DATED:	<Drawn Date>
CHECKED:	<Checked By>	DATED:	<Checked Date>
QUALITY CONTROL:	<QC By>	DATED:	<QC Date>
RELEASED:	<Released By>	DATED:	<Release Date>
CODE:	A0	DRAWING NO.:	A1
SIZE:	<Scale>	REV:	b7 19

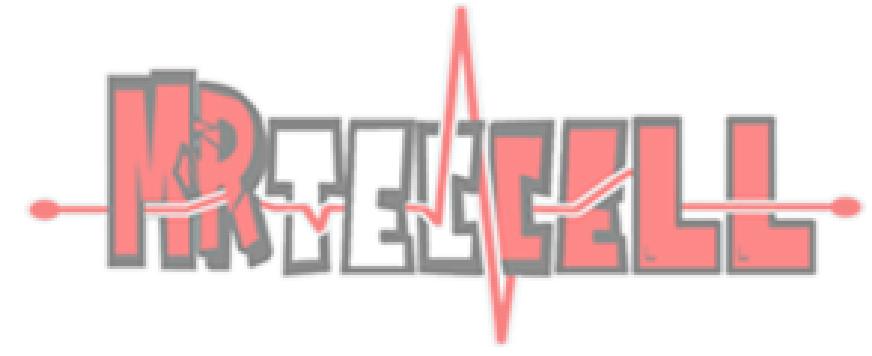
DRAWING RECORD			
DRWNR	ECO NO.	APPROVED	DATE



EDITION RECORD			
ltr	ECO NO.	APPROVED	DATE

I2C	Function	I2C Spec.	Budget Timing	I2C Slave Address (7-bit mode)
I2C-0	Rear Camera - 5M	400 Kbps	Yes.	Rear camera (IMX135) I2C address: 0X10 (Write:0x20, Read:0x21) AF driver (DW9714A) I2C address: 0x0C (Write:0x18, Read:0x19)
	Front Camera - 2M	400 Kbps	Yes.	Front camera (GC2355) I2C address: 0x3C (Write:0x78, Read:0x79)
I2C-1	CTP	400 Kbps	Yes.	GT1151 / CTP I2C address: 0X5D (Write:0xBA, Read:0xBB) or 0x14 (Write:0x28, Read:0x29)
I2C-2	M Sensor	2.5 Mbps		BM223 / M-Sensor I2C Address: 0x30
	Gyro Sensor	400 Kbps	Yes.	
	Accelerometer	400 Kbps		
	A/PS Sensor	400 Kbps		LTR-553ALS-WA / AS+PS I2C address: 0x46
	NFC	1.2 Mbps	Yes.	
	Flashlight Driver	400 Kbps		
I2C-3				

Note : I2C Spec. : Standard mode (100 kbps) and Fast mode (400 kbps), Fast mode Plus (1 Mbps) and High-speed mode (3.4 Mbps)



COMPANY:	Shanghai Longcheer		
TITLE:	L3400		
DRAWN:	<Drawn By>	DATED:	<Drawn Date>
CHECKED:	<Checked By>	DATED:	<Checked Date>
QUALITY CONTROL:	<QC By>	DATED:	<QC Date>
RELEASED:	<Released By>	DATED:	<Release Date>
CODE:	CODE	SIZE	DRAWING NO.
SCALE:	A0	<Drawing Number>	A1
REV:			