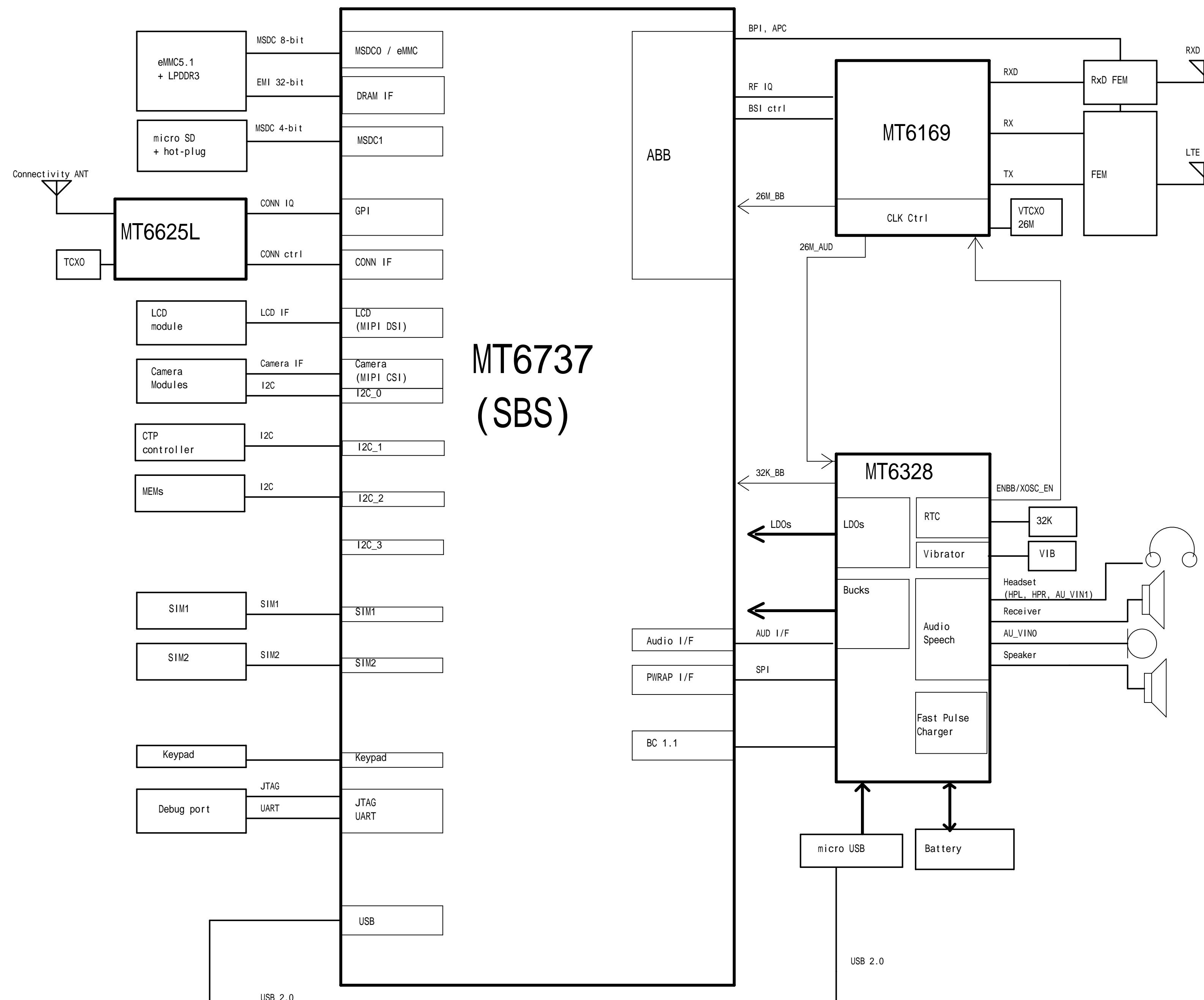
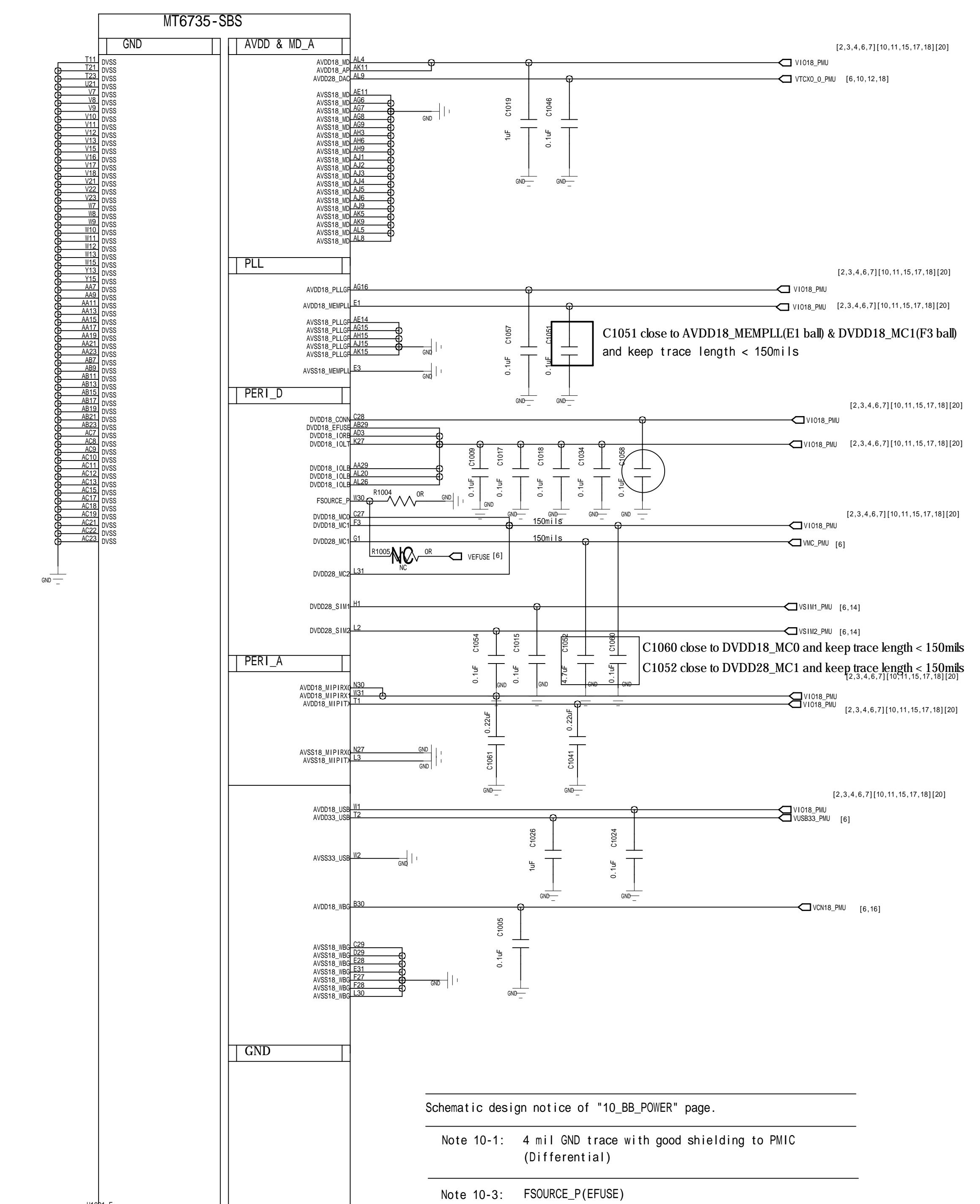
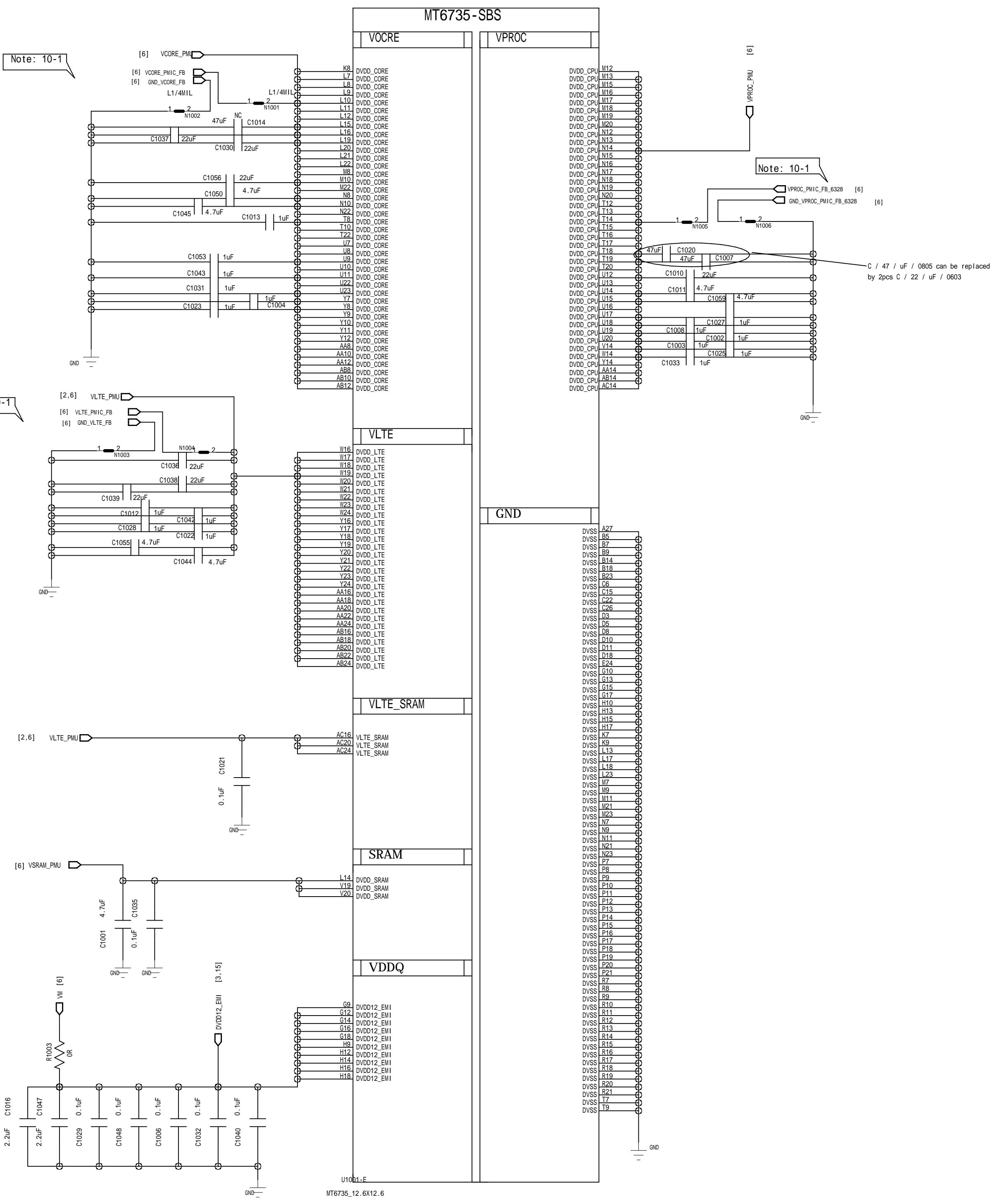


REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



COMPANY:	WIND		
TITLE:	A183		
DRAIN:	XISHUANGSHUANG	DATED:	2016.04.20
CHECKED:	SUNHAO	DATED:	<Checked Date>
QUALITY CONTROL:	<QC By>	DATED:	<QC Date>
RELEASED:	<Released By>	DATED:	<Release Date>
CODE:	D	SIZE:	DRAWING NO:
<Code>		<Drawing Number><Revision>	
REV:			
SCALE:	<Scale>	HEET:	1 OF 22

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



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Schematic design notice of "10 BB POWER" page.

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Note 10-1: 4 mil GND trace with good shielding to PMIC  
(Differential)

---

Note 10-3: FSOURCE\_P(EFUSE)

- (1)FSOURCE\_P EFUSE power(VEFUSE) should be only for EFUSE usage(not share with other application)
- (2)W/I EFUSE program, VEFUSE need 1uF bypass cap (pls refer to "LDO output voltage/current table" )
- (3)W/O EFUSE program, VEFUSE bypass cap should be NC

		COMPANY: <b>WIND</b>			
		TITLE: <b>A183</b>			
DRAWN: <b>XISHUANGSHUANG</b>	DATED: <b>2016.04.20</b>	CODE:	SIZE:	DRAWING NO:	REV:
CHECKED:	DATED:				
QUALITY CONTROL:	DATED:				
RELEASED:	DATED:	SCALE:		SHEET: 2 OF 22	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

D

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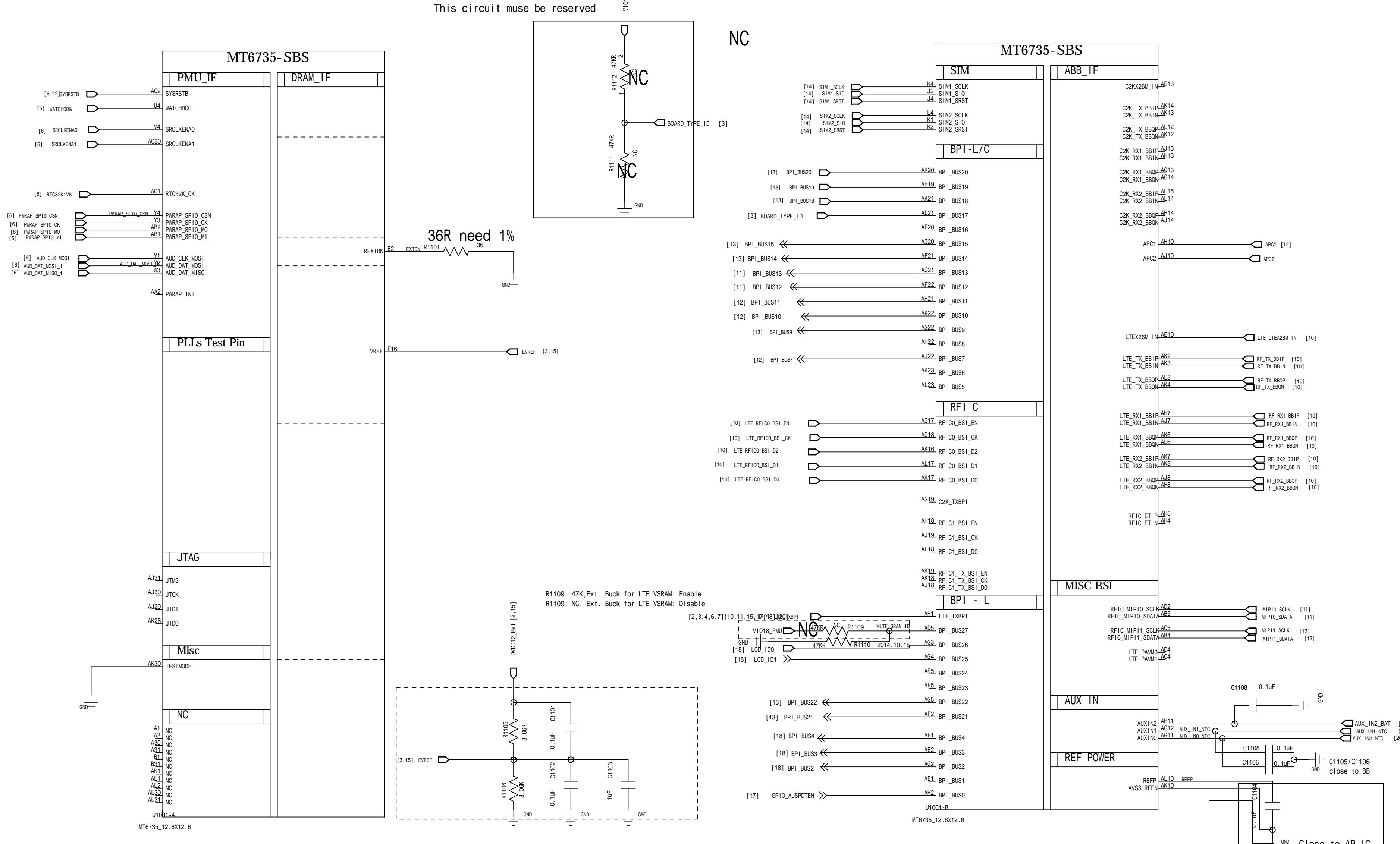
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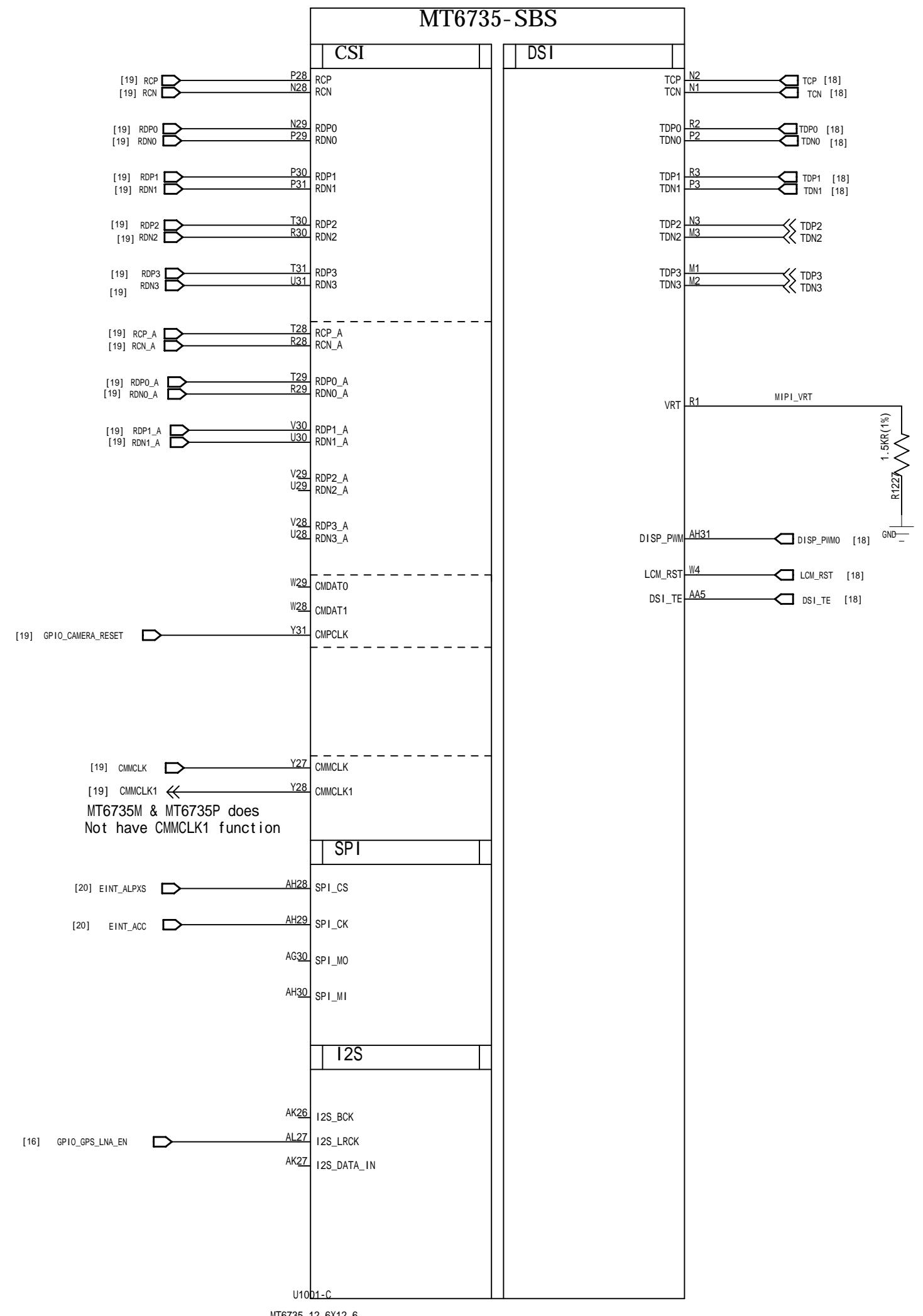
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COMPANY:	WIND		
TITLE:	A183		
DRAIN:	XISHUANGSHUANG	DATED:	2016.04.20
CHECKED:		DATED:	
QUALITY CONTROL:		DATED:	
RELEASED:		DATED:	
SCALE:			

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

D



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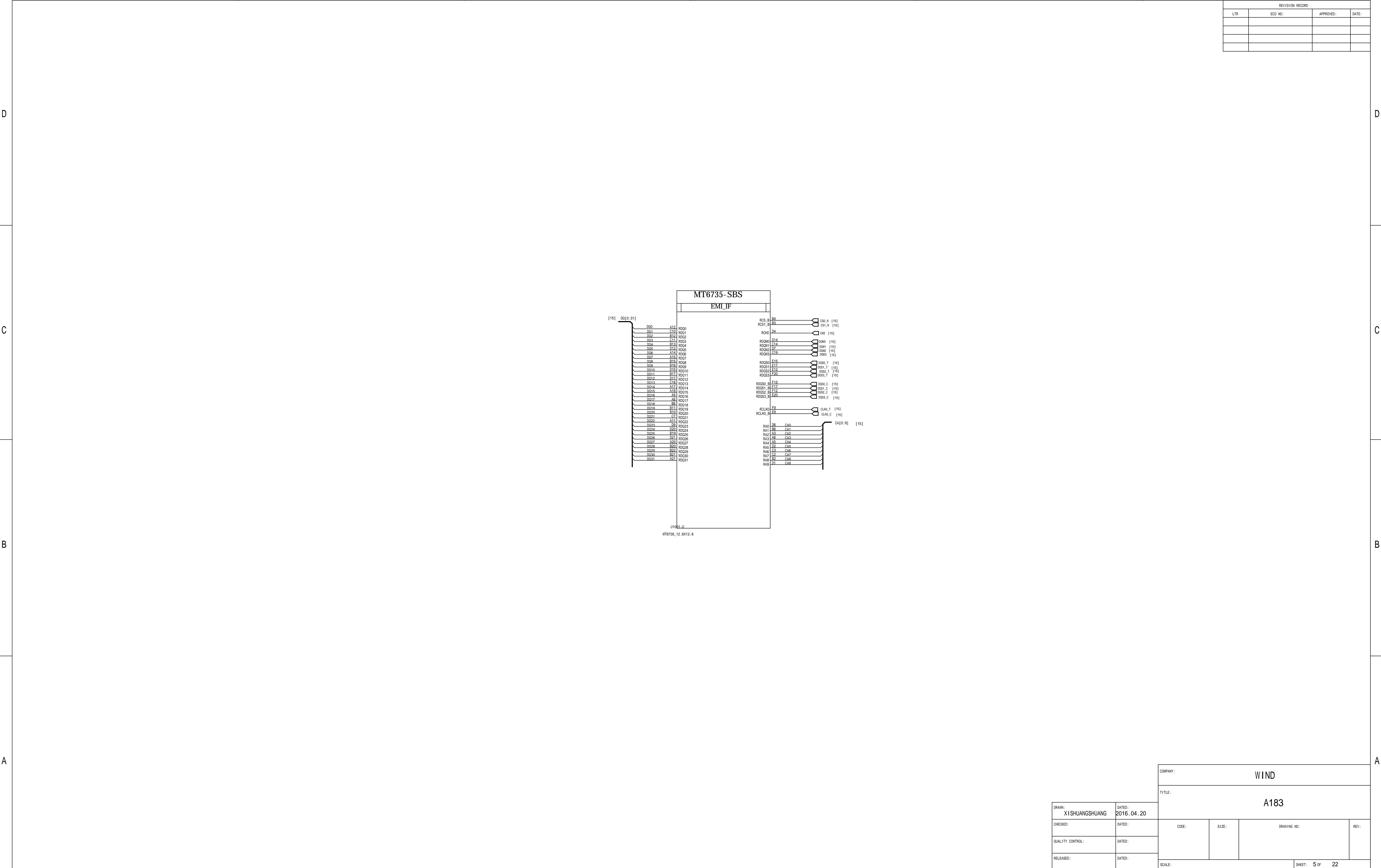
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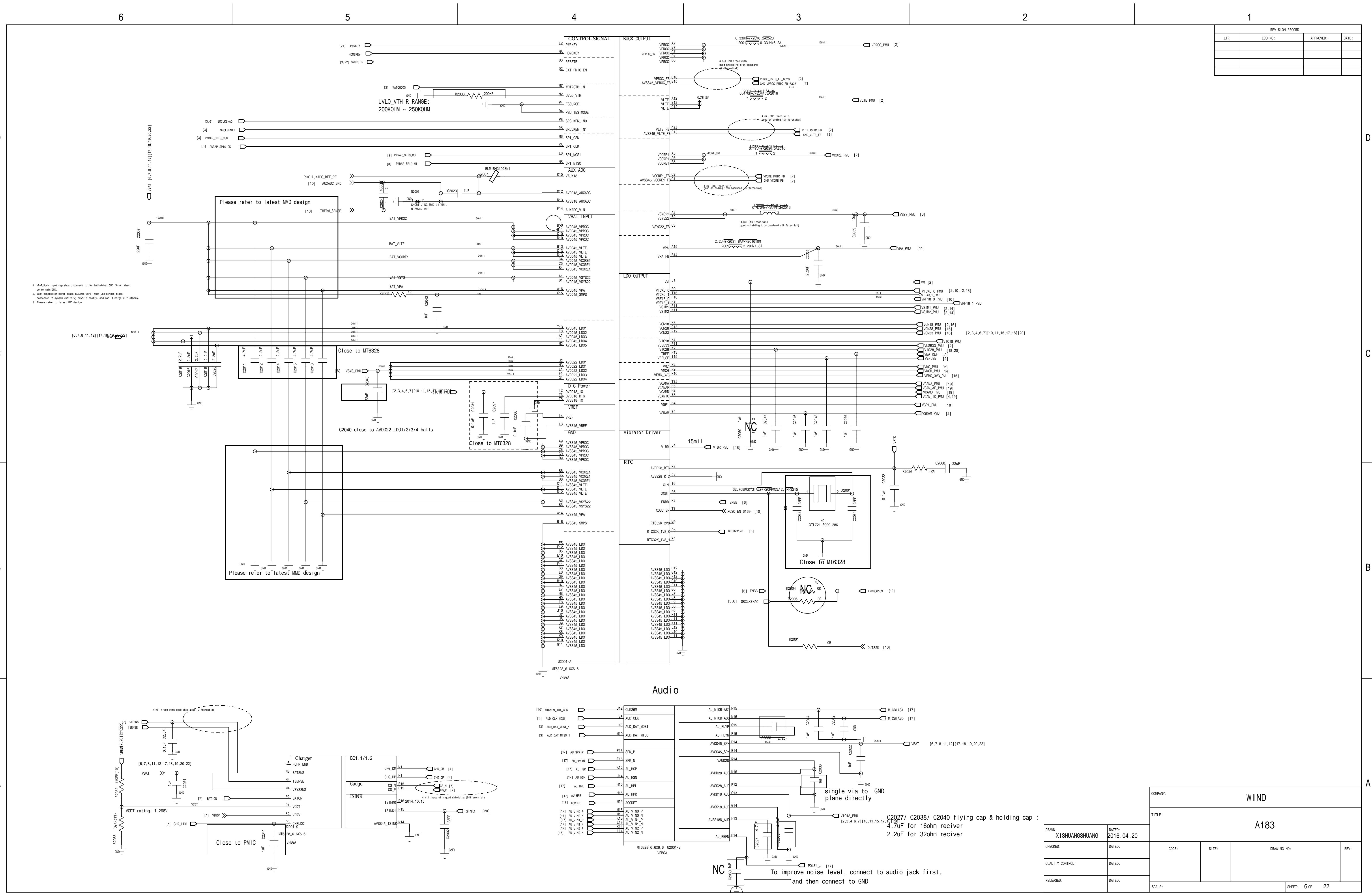
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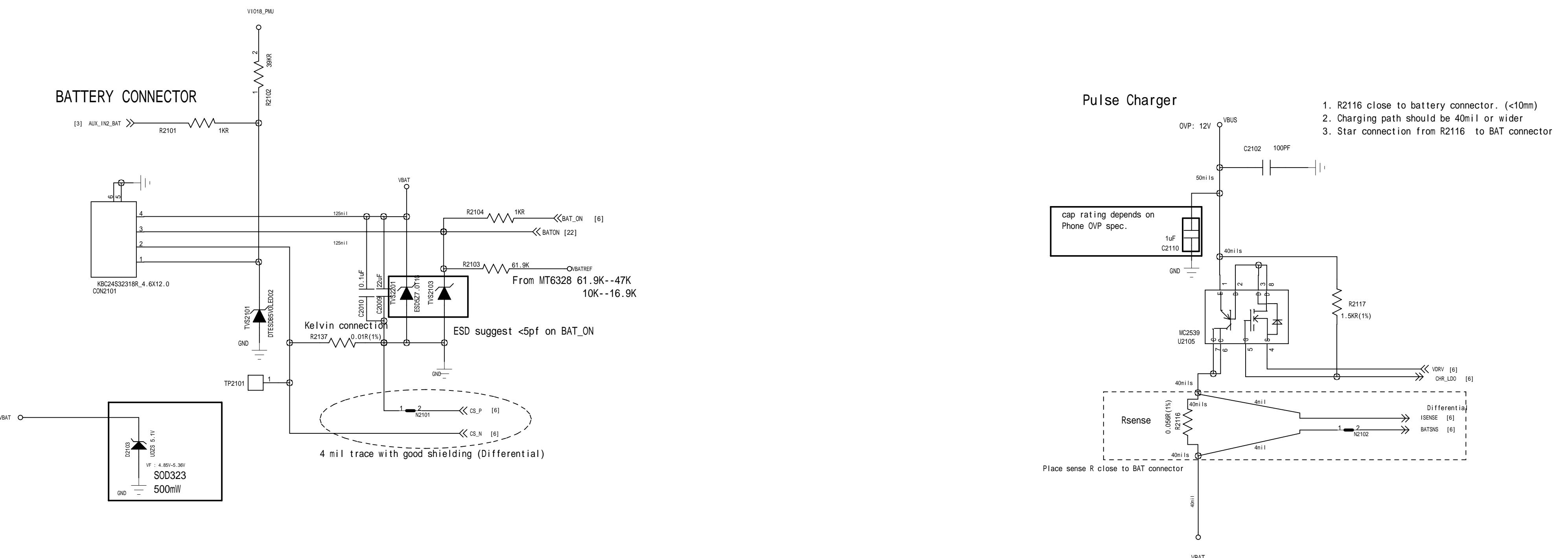
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COMPANY:	WIND		
TITLE:	A183		
CODE:	SIZE:	DRAWING NO:	REV:
SCALE:	SHEET: 7 OF 22		

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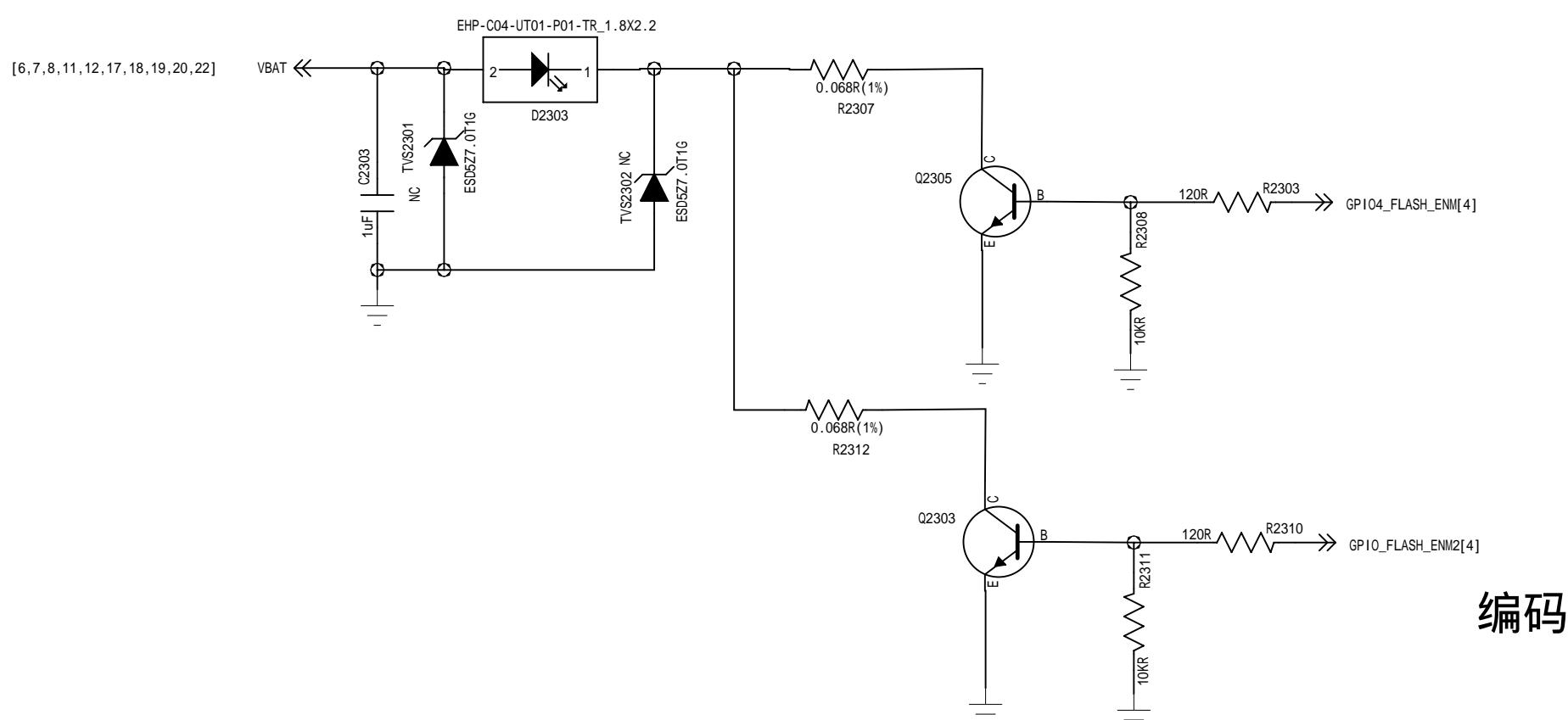
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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

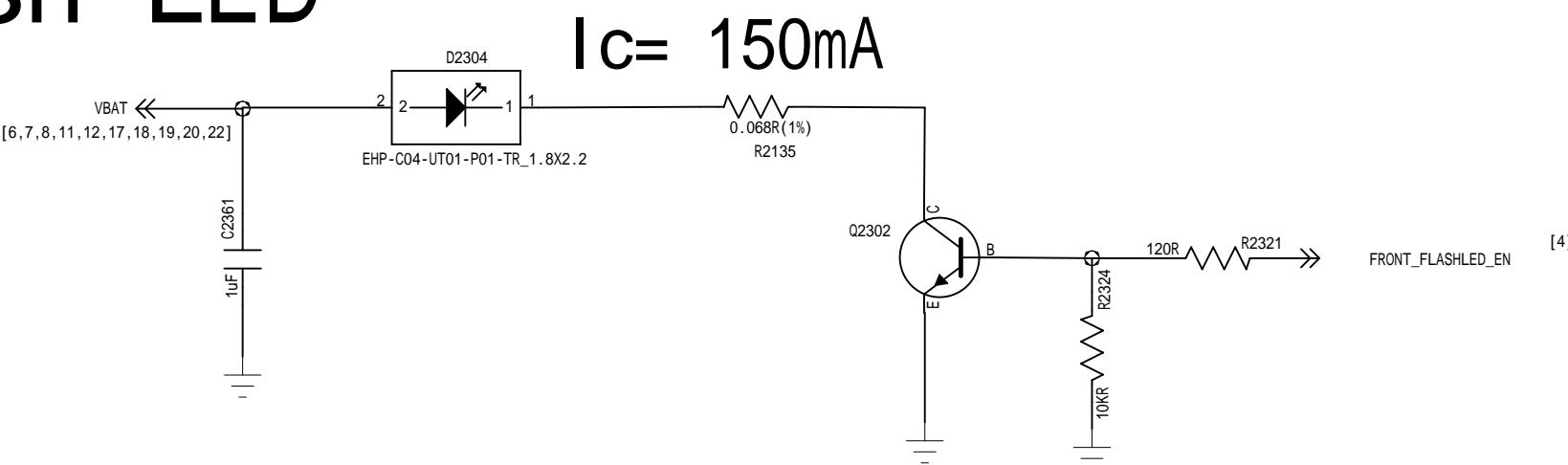
## Flash LED 06A

$I_C = 500mA$



## Flash LED 06A

$I_C = 150mA$



have checked

COMPANY: WIND	TITLE: A183
DRAIN: XISHUANGSHUANG	DATED: 2016.04.20
CHECKED:	DATED:
QUALITY CONTROL:	DATED:
RELEASED: <Released By>	DATED: <Release Date>
CODE:	SIZE:
DRAWING NO:	REV:
SCALE: <Scale>	HEET: 8 OF 22

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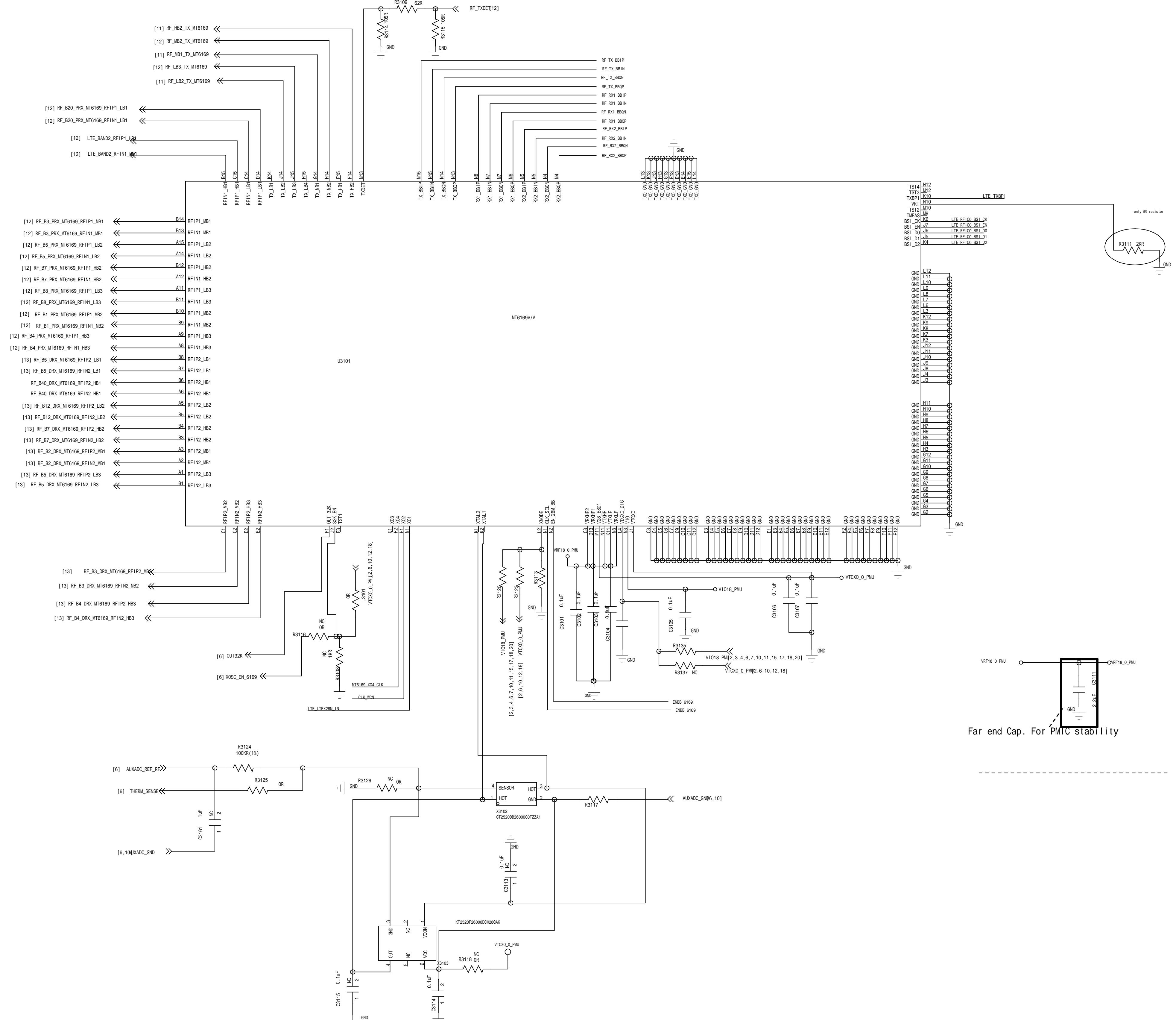
External Buck for DRAM

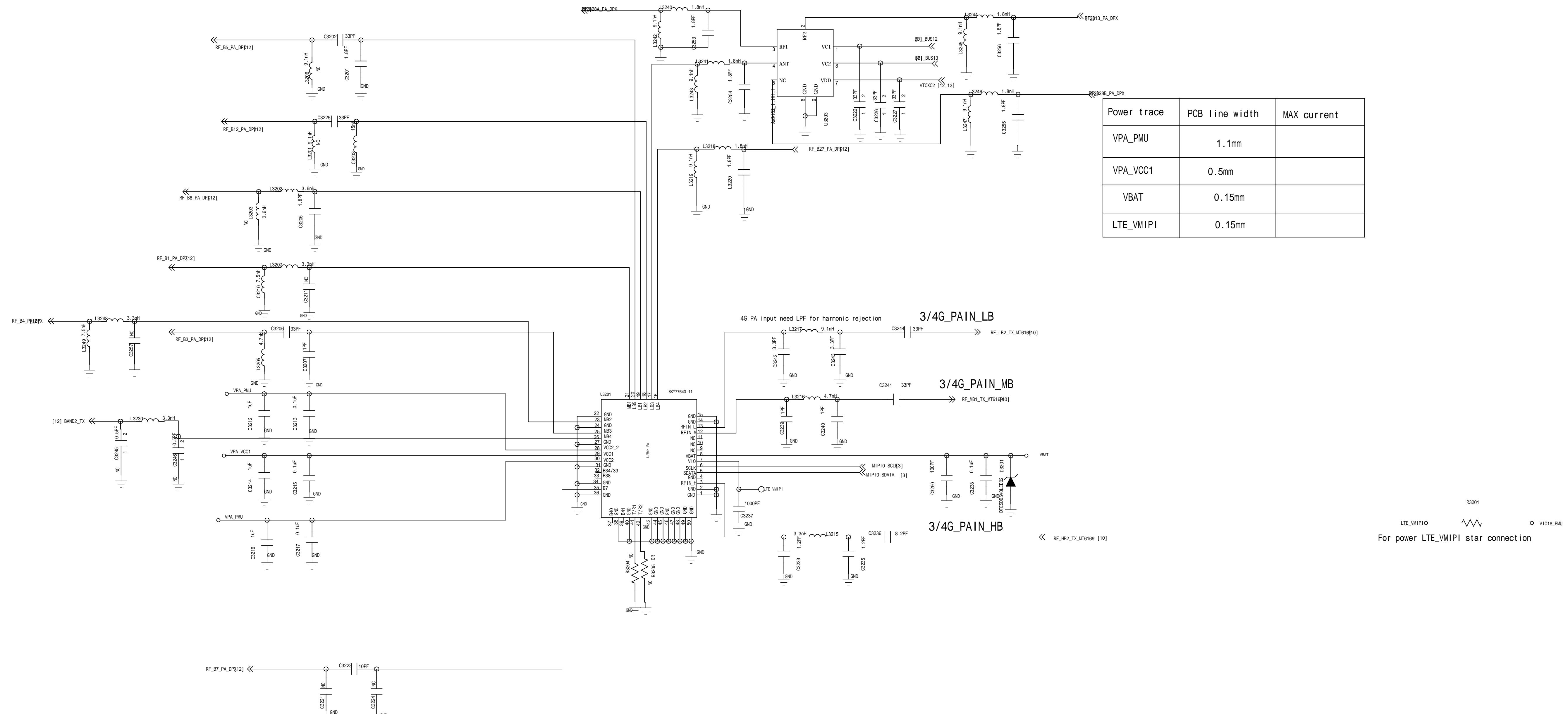
If using external buck for DRAM application, please refer to "MT6735\_53 DRAM External Buck Design Notice":  
 1. Please add one more 1uF capacitor on PMIC VM output side (Must)  
 2. Please turn off Fast Transient Function of PMIC VM LDO (Must)

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

COMPANY: <b>WIND</b>	
TITLE: <b>A183</b>	
DRAIN: XISHUANGSHUANG	DATED: 2016.04.20
CHECKED: SUNHAO	DATED: <Checked Date>
QUALITY CONTROL: <QC By>	DATED: <QC Date>
RELEASED: <Released By>	DATED: <Release Date>
CODE: <b>&lt;Code&gt;</b> SIZE: <b>D</b> DRAWING NO: <b>&lt;Drawing Number&gt;</b> Revision: <b>&lt;Revision&gt;</b>	
SCALE: <Scale> SHEET: 9 OF 22	

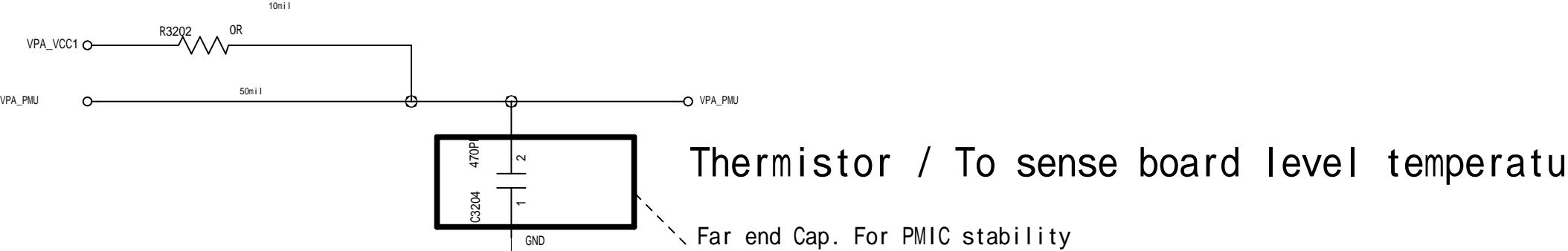
Power trace	PCB line width	MAX current
VRF18_0_PMU	0.4mm	
VI018_PMU	0.35mm	
VTCXO_0_PMU	0.2mm	



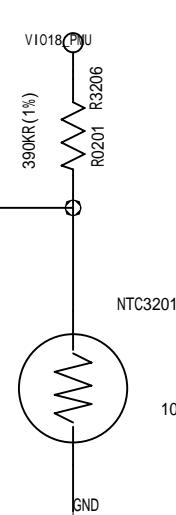


Thermistor / To sense board level temperature

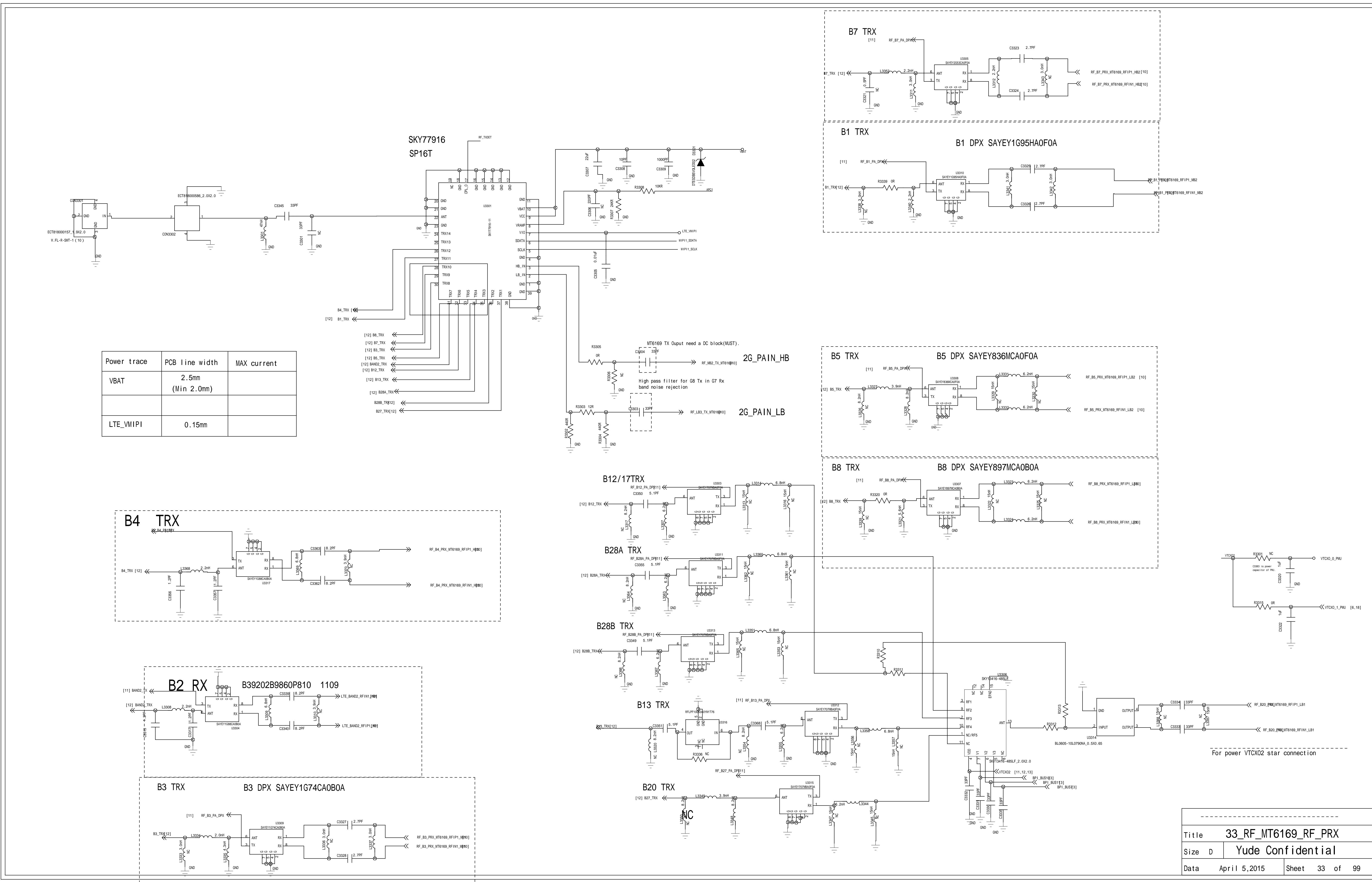
VPA\_VCC1 and VPA PMU need to be connected after Cap



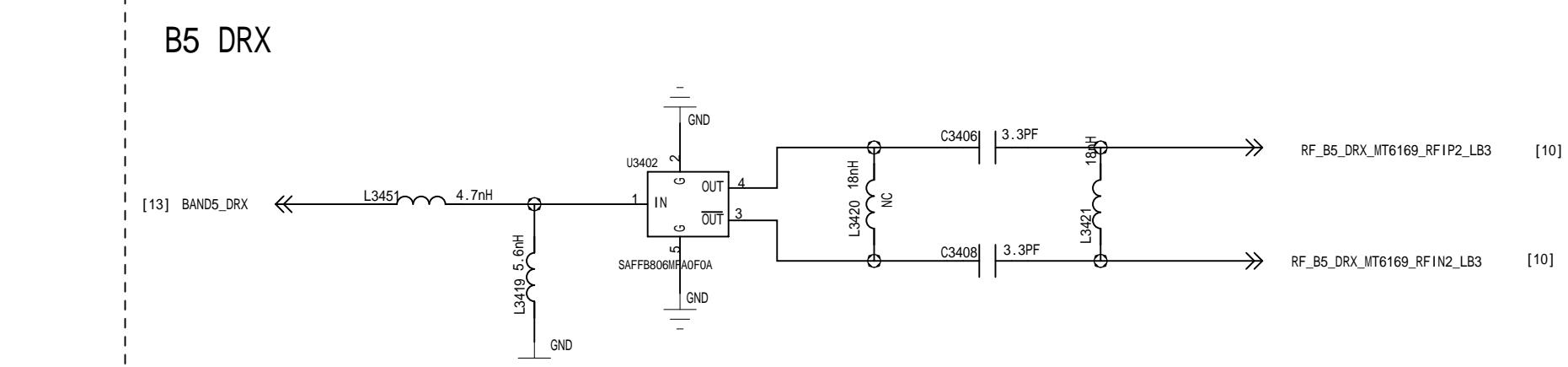
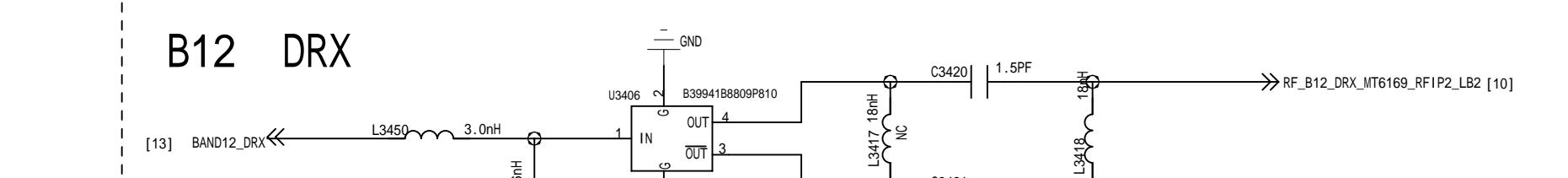
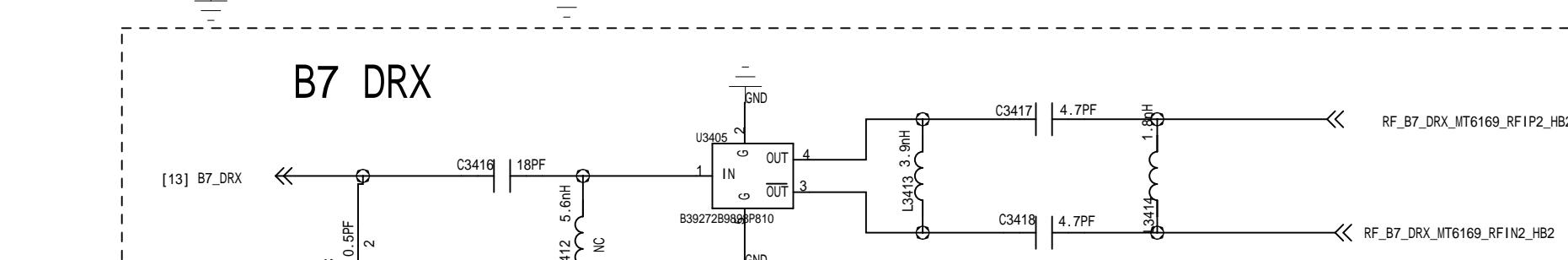
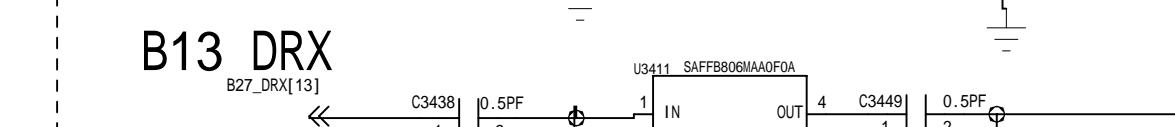
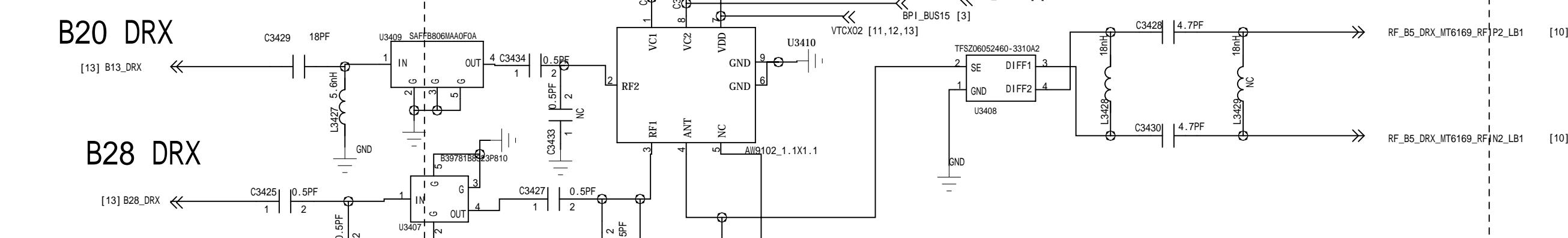
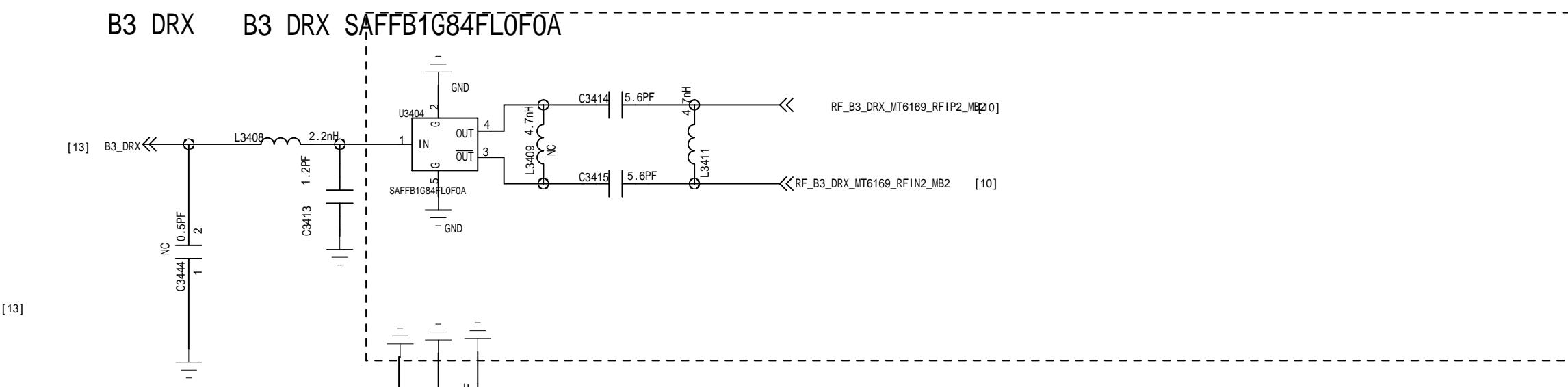
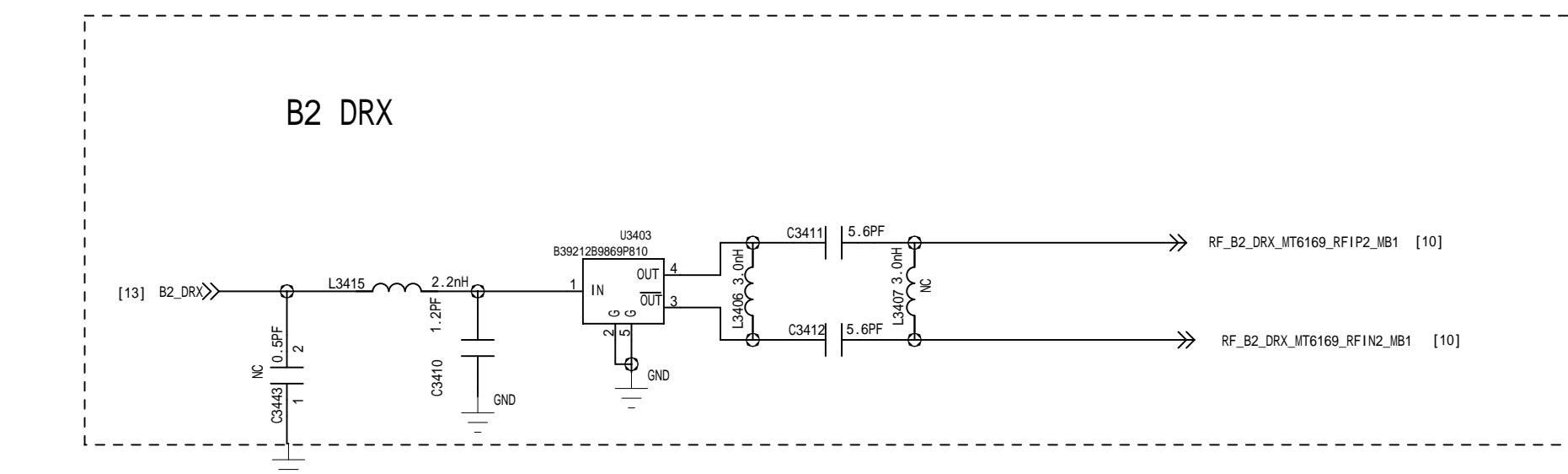
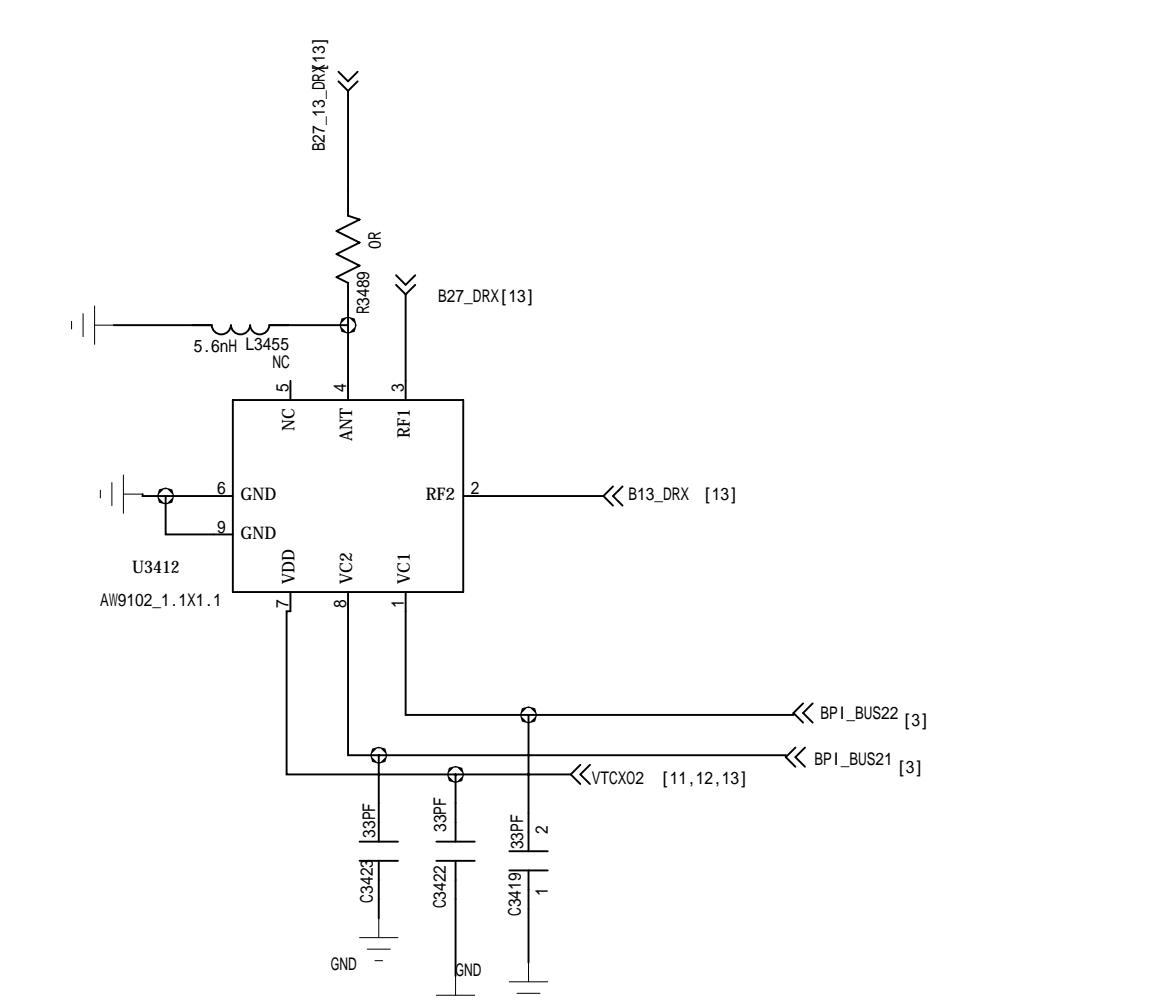
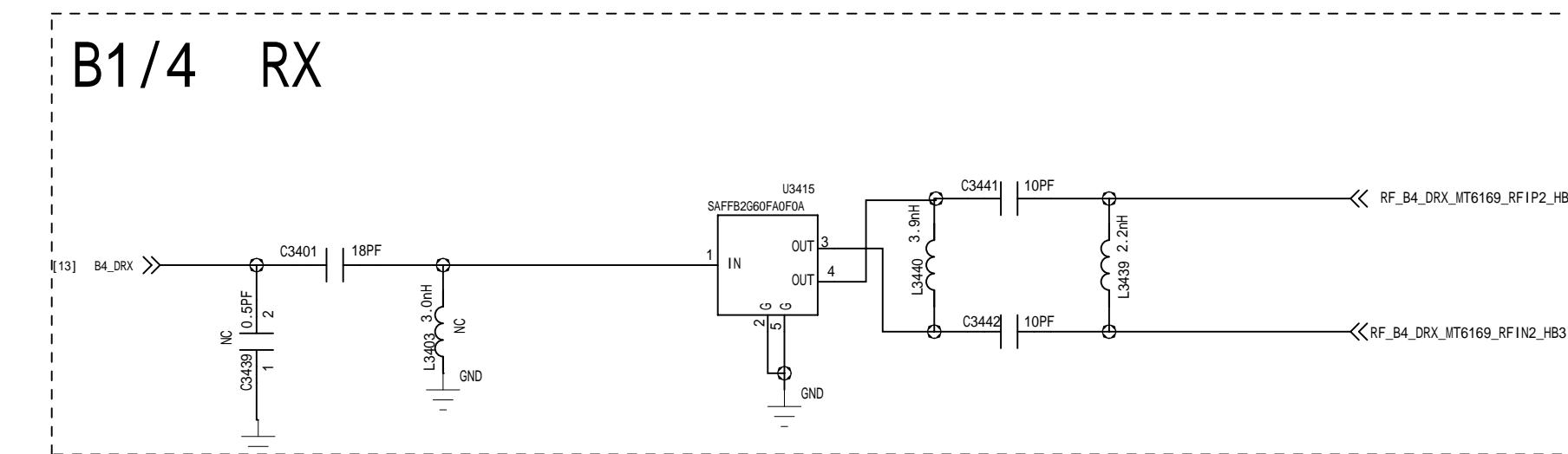
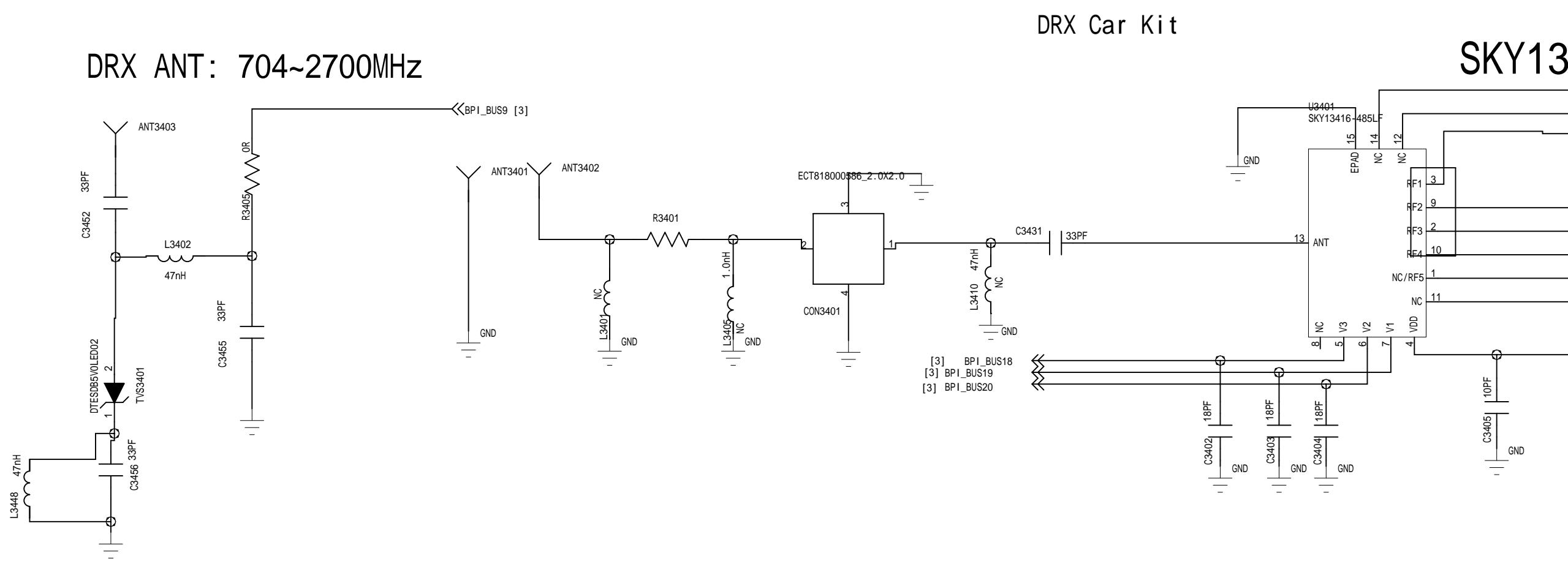
NTC3201 close to PA , and located in the same layer



Title 32_RF_MT6169_RF_TX	
Size D	Yude Confidential
Data April 5, 2015	Sheet 32 of 99

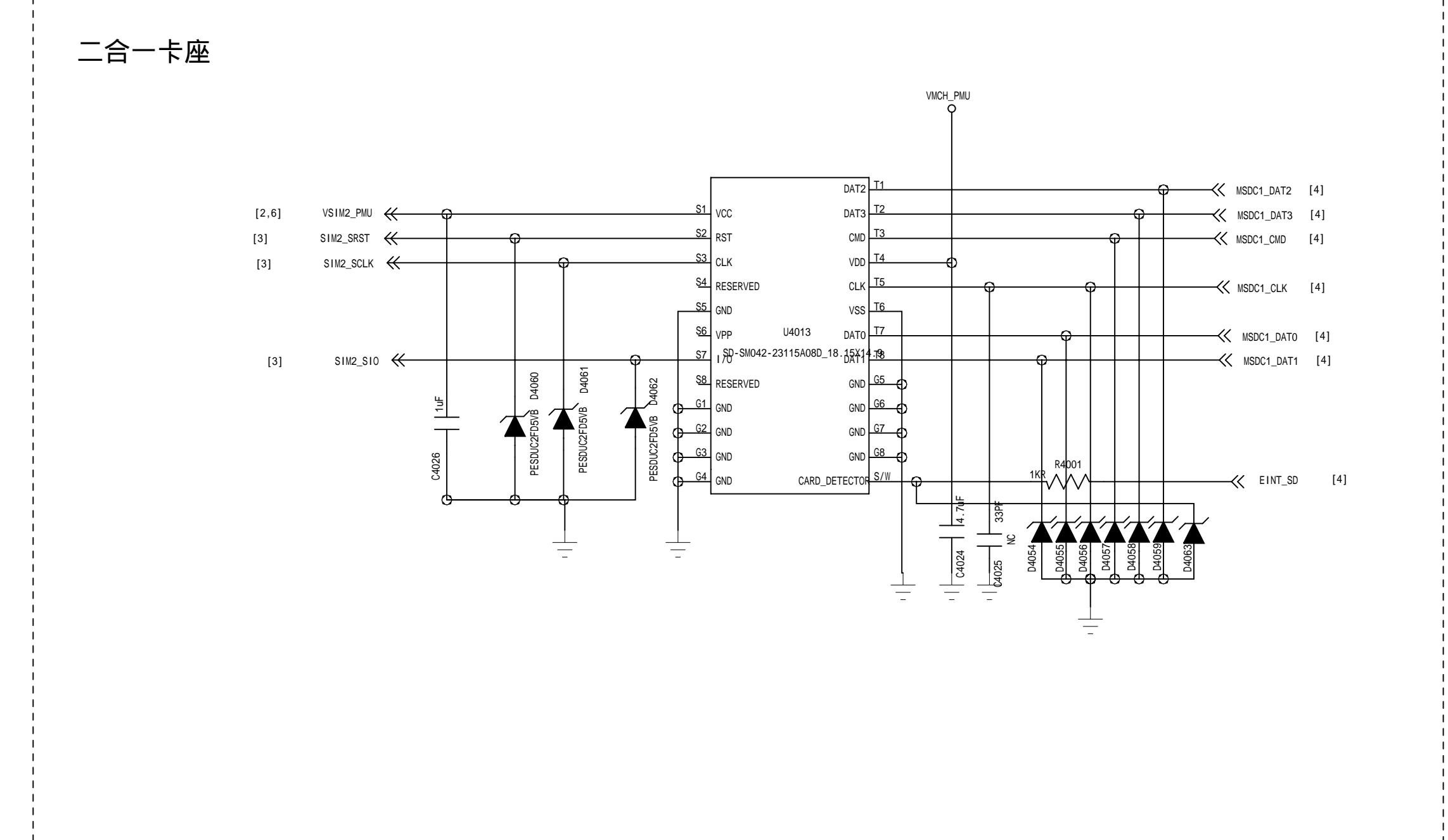
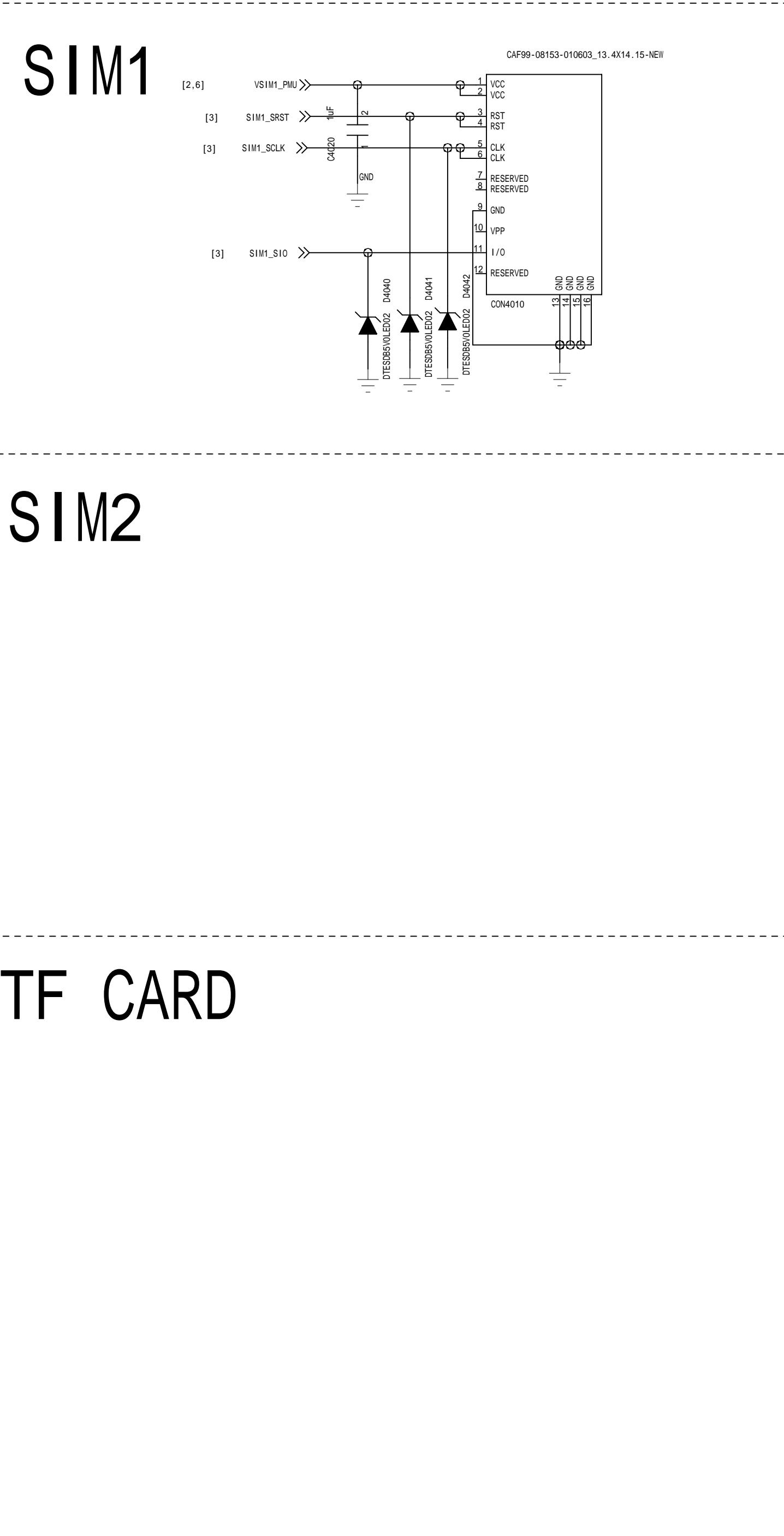


Power trace	PCB line width	MAX current
VTCX02	0.15mm	50uA



REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

## SIM1\_sclk & SIM2\_sclk shielding by GND



Schematic design notice of "40 MEMORY SD Card" page.

Note 40-1: The following table summarizes the results of the sensitivity analysis.

The total equivalent capacitance of MSDC ESD protection device and de-sense bypass CAP must be

But for NFC app. equivalent capacitance of MSDC\_NFC\_SWPIO and MSDC\_NFC\_VCCSWP should <=0.5pF

		COMPANY: <b>WIND</b>		A		
		TITLE: <b>A183</b>				
DRAWN: <b>XISHUANGSHUANG</b>	DATED: <b>2016.04.20</b>	CODE: <b>&lt;Code&gt;</b>	SIZE: <b>D</b>	DRAWING NO: <b>&lt;Drawing Number&gt;</b>		
CHECKED: <b>SUNHAO</b>	DATED: <b>&lt;Checked Date&gt;</b>					REV: <b>&lt;Revision&gt;</b>
QUALITY CONTROL: <b>&lt;QC By&gt;</b>	DATED: <b>&lt;QC Date&gt;</b>					
RELEASED: <b>&lt;Released By&gt;</b>	DATED: <b>&lt;Release Date&gt;</b>			SCALE: <b>&lt;Scale&gt;</b>	SHEET: 14F 22	

**have checked**

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

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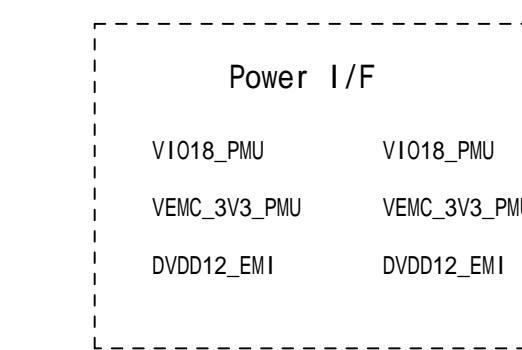
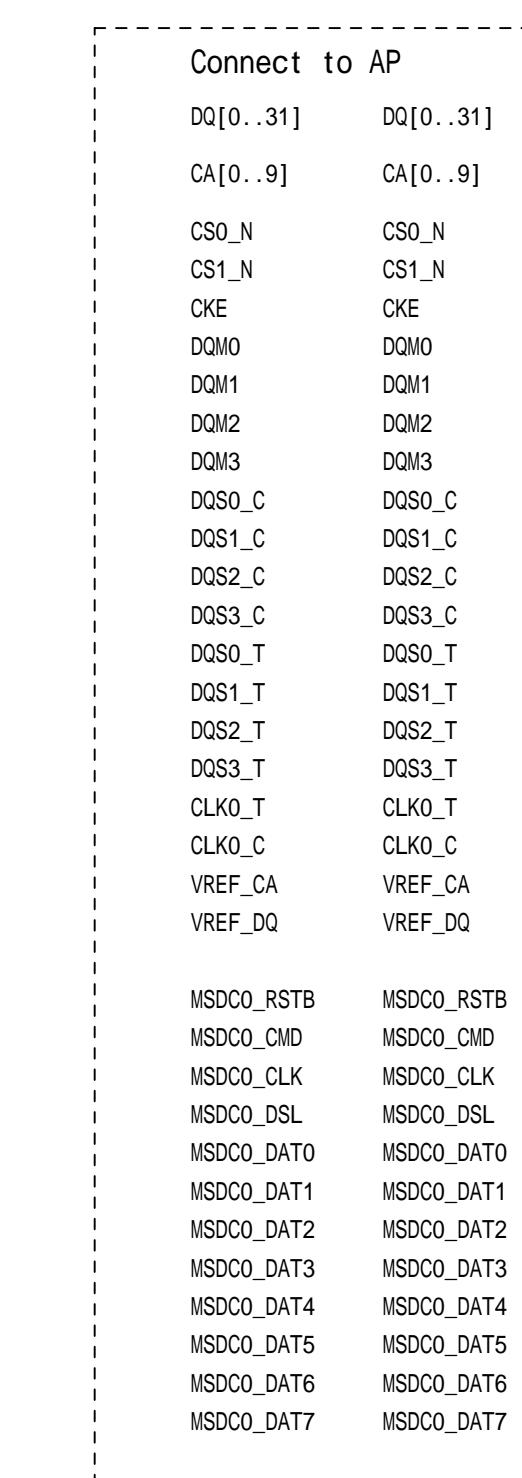
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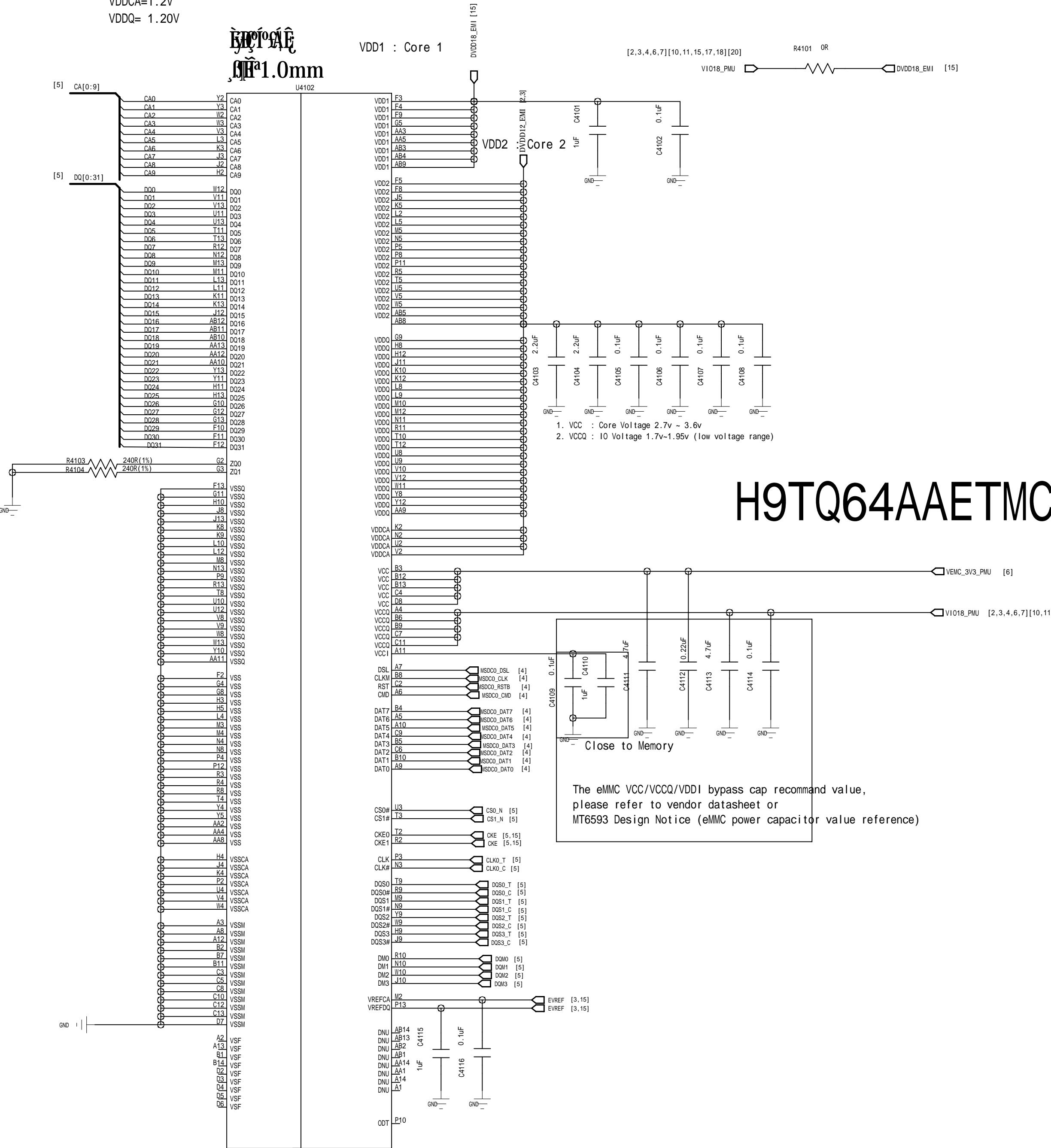
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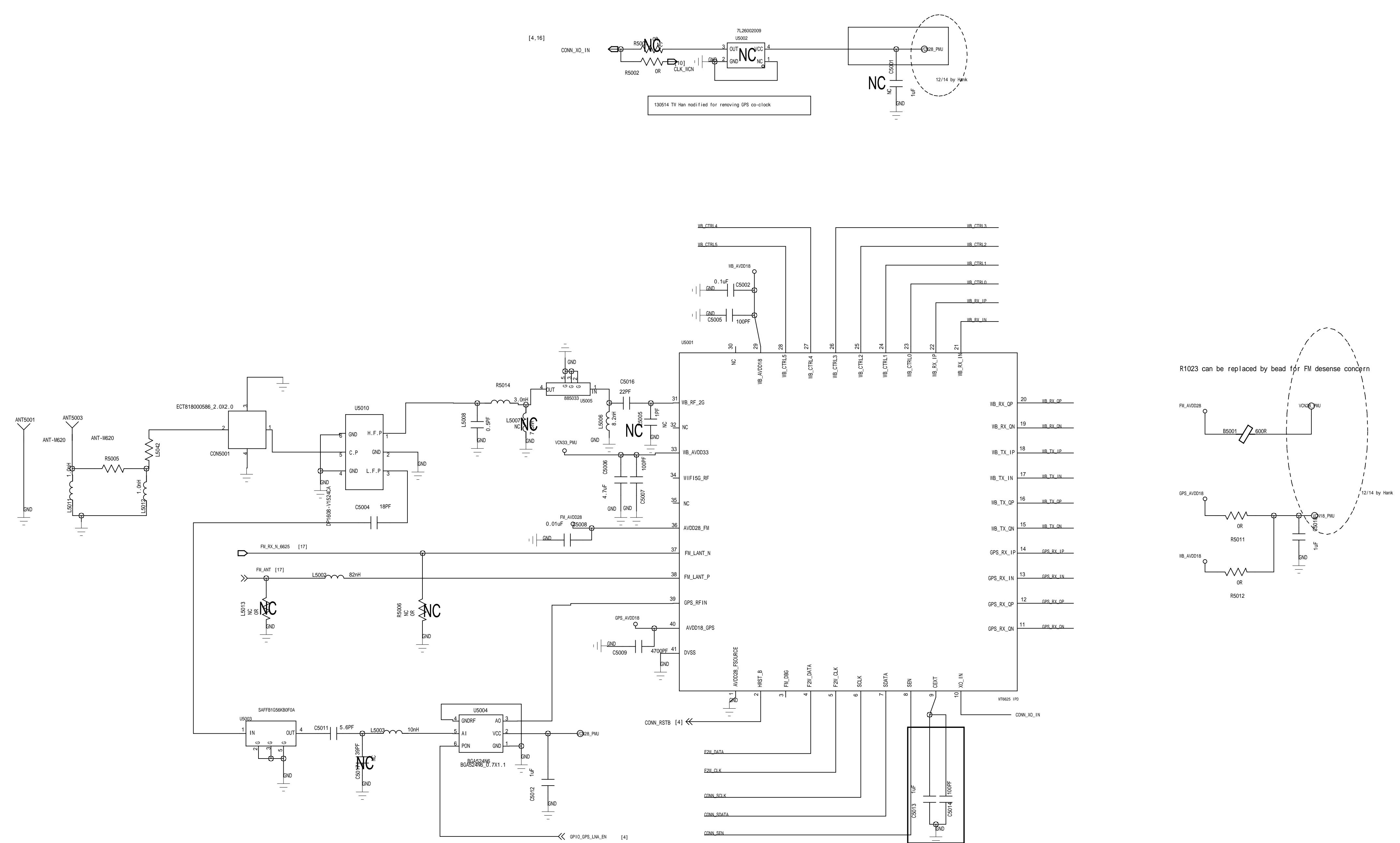
eMMC+LPDDR3  
221 Ball, 0.5mm pitch  
Hynix/H9TQ64A8GTM CUR-KUM



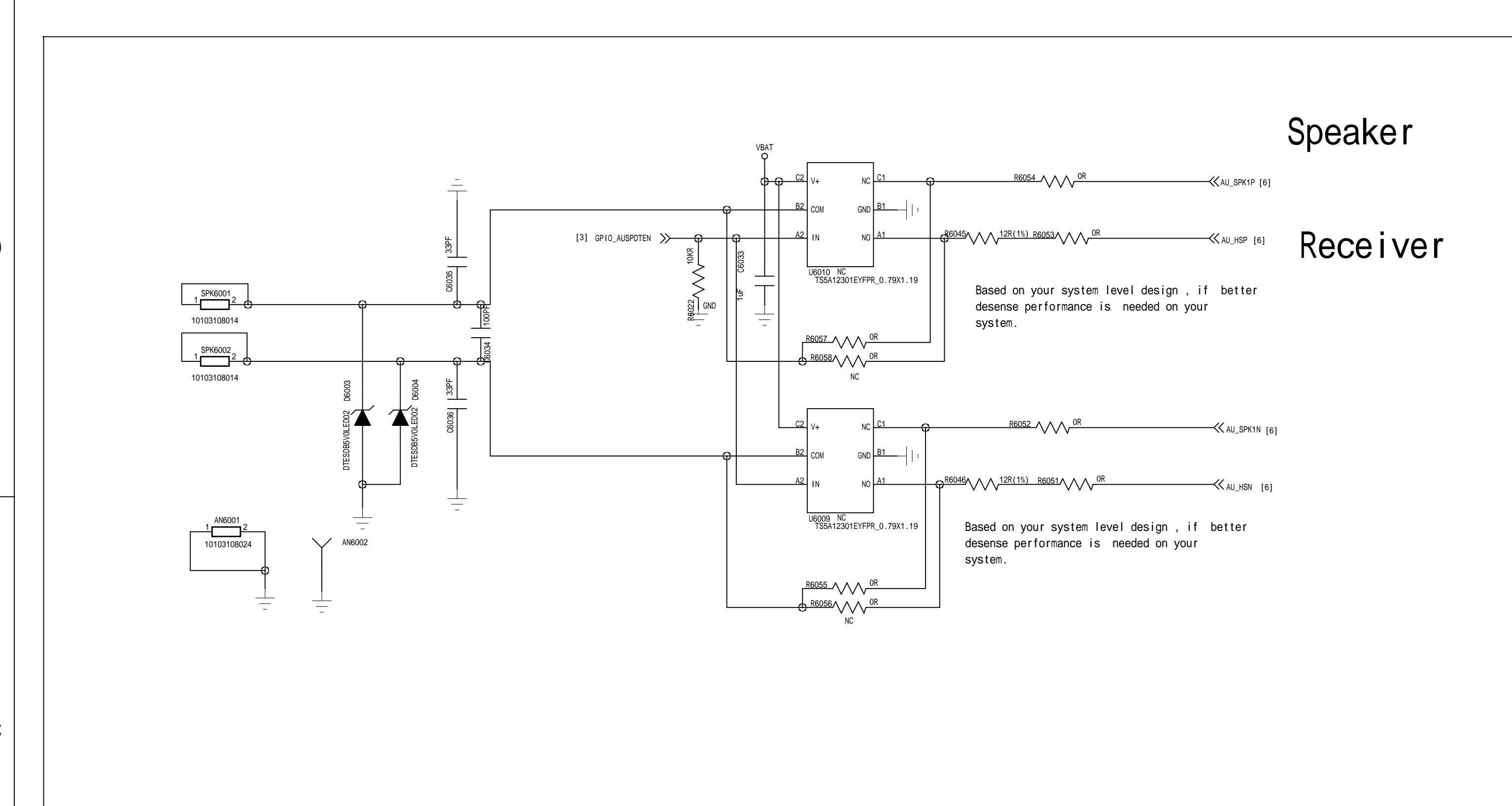
H9TQ64AAETMCUR\_KUM

The eMMC VCC/VCCQ/VDDI bypass cap recommend value,  
please refer to vendor datasheet or  
MT6593 Design Notice (eMMC power capacitor value reference)

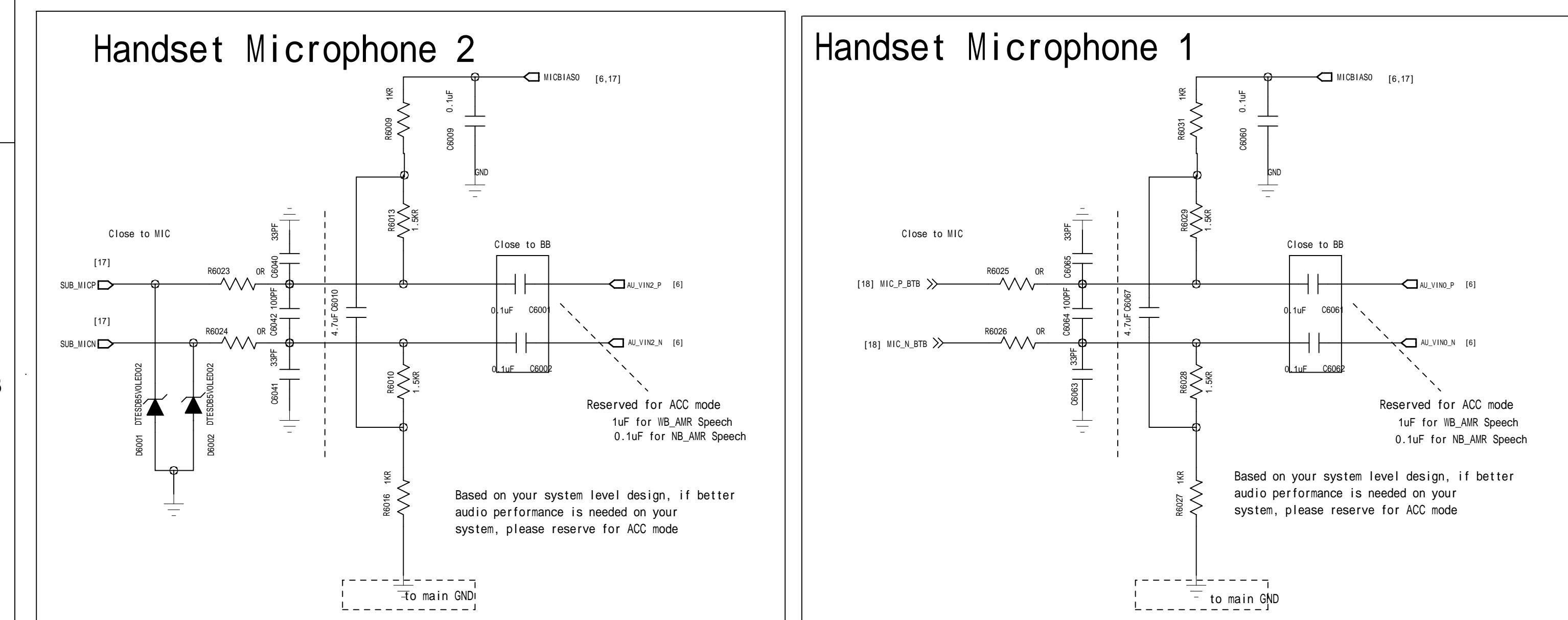
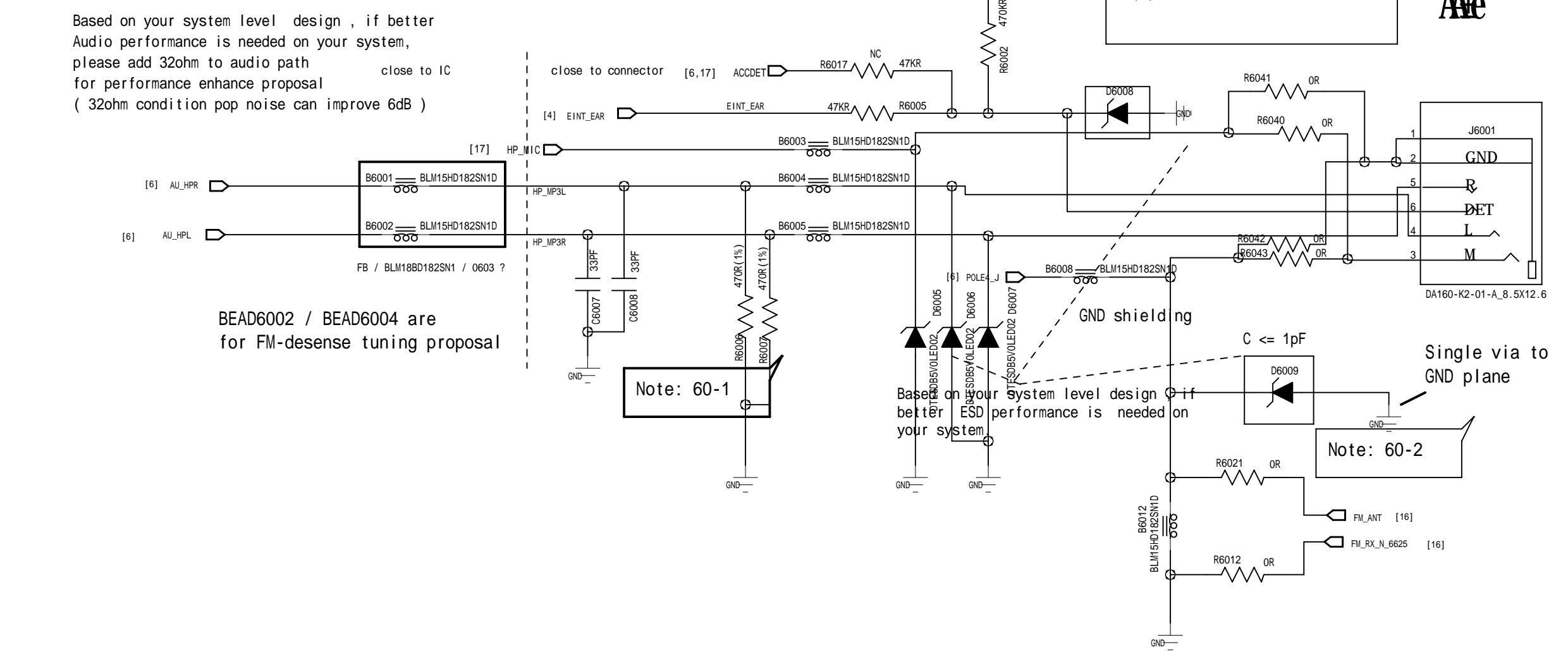
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TITLE:	A183		
DRAIN:	XISHUANGSHUANG	DATED:	2016.04.20
CHECKED:	SUNHAO	DATED:	<Checked Date>
QUALITY CONTROL:	<QC By>	DATED:	<QC Date>
RELEASED:	<Released By>	DATED:	<Release Date>
CODE:	D	SIZE:	DRAWING NO: <Drawing Number> Revision <Revision>
SCALE:	<Scale>	REV:	<Rev>



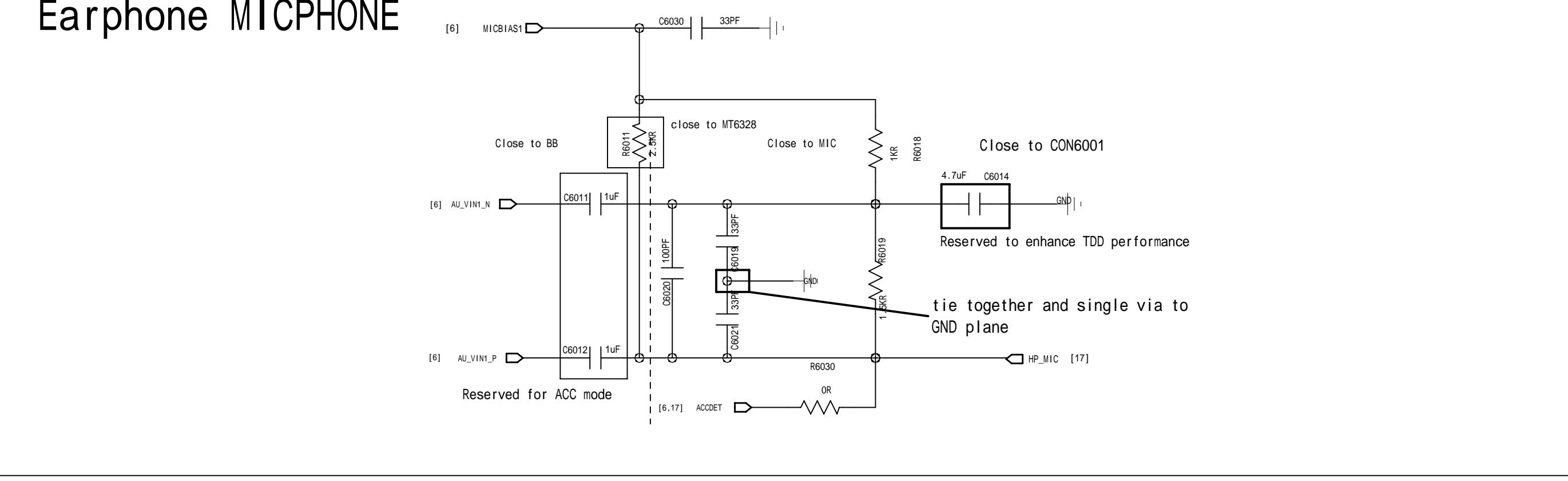
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



## Earphone Audio



## Earphone MICPHONE



COMPANY:	WIND		
TITLE:	A183		
DRAFTER:	XISHUANGSHUANG	DATED:	2016.04.20
CHECKED:	SUNHAO	DATED:	<Checked Date>
QUALITY CONTROL:	<QC By>	DATED:	<QC Date>
RELEASED:	<Released By>	DATED:	<Release Date>
CODE:	D	SIZE:	DRAWING NO:
<Code> D <Drawing Number><Revision>			
REV:			

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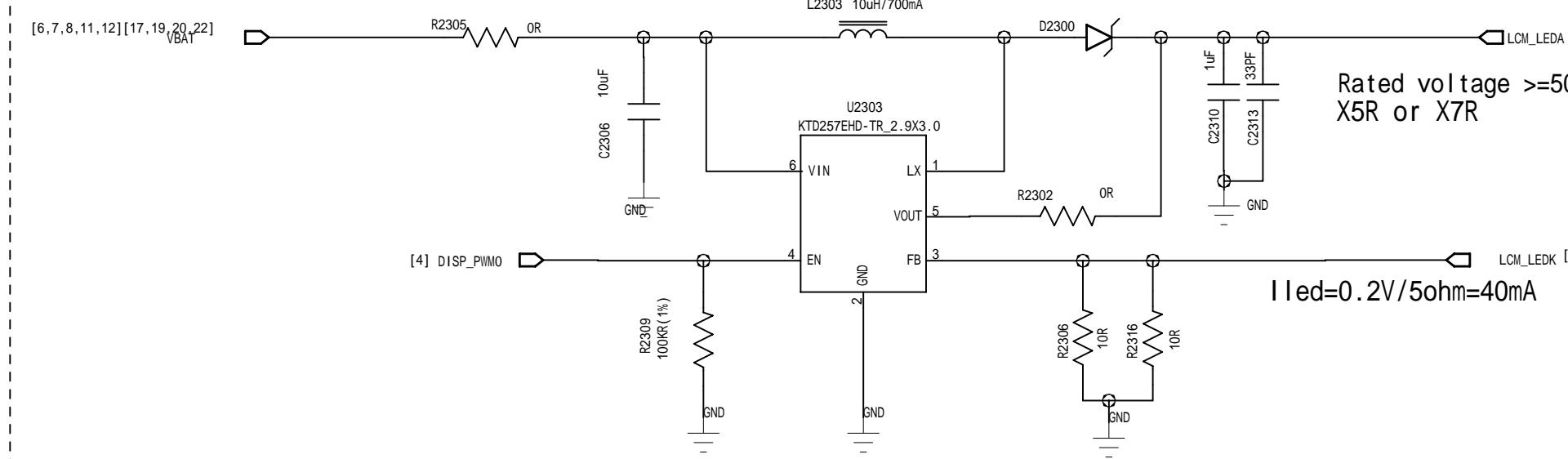
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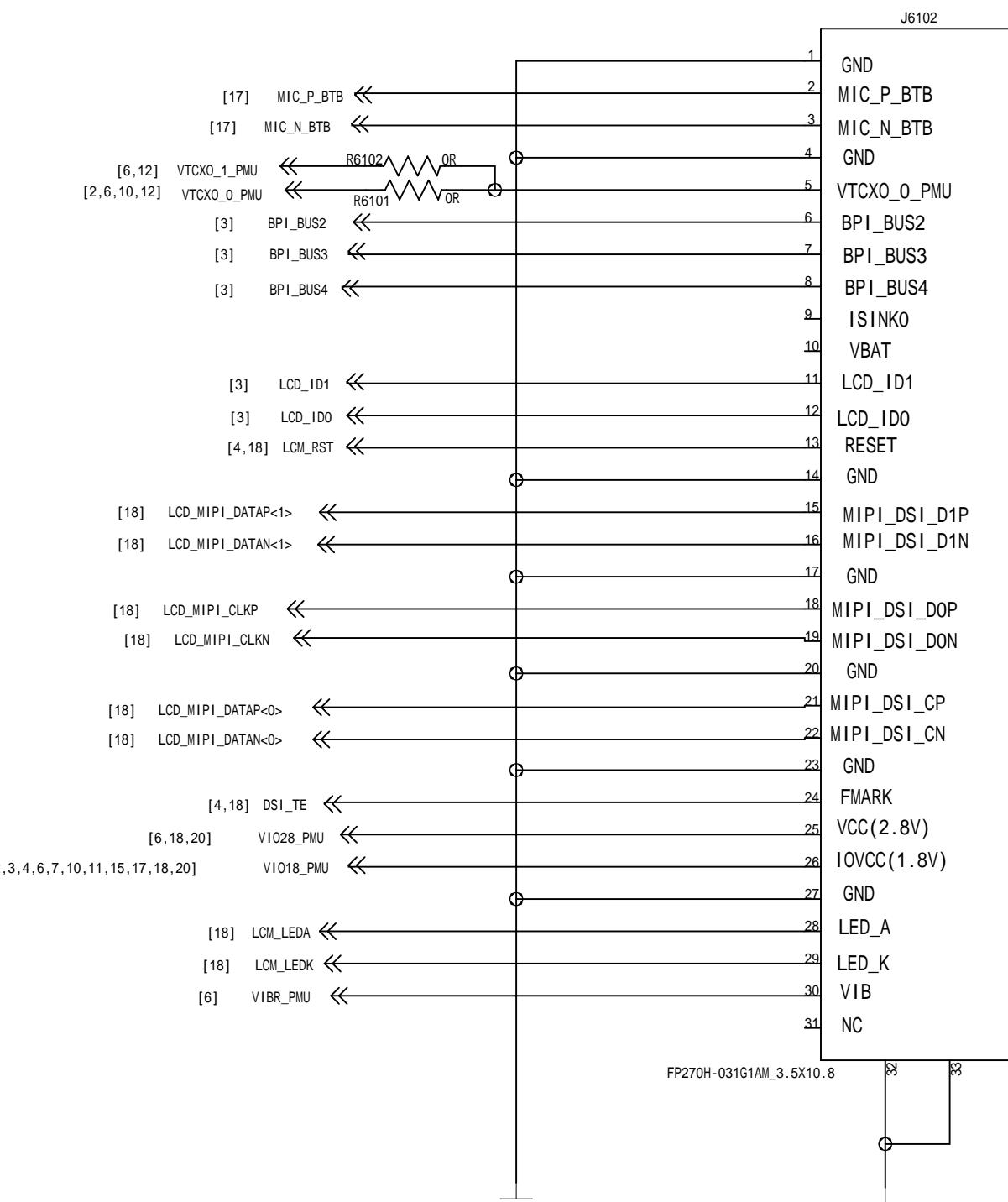
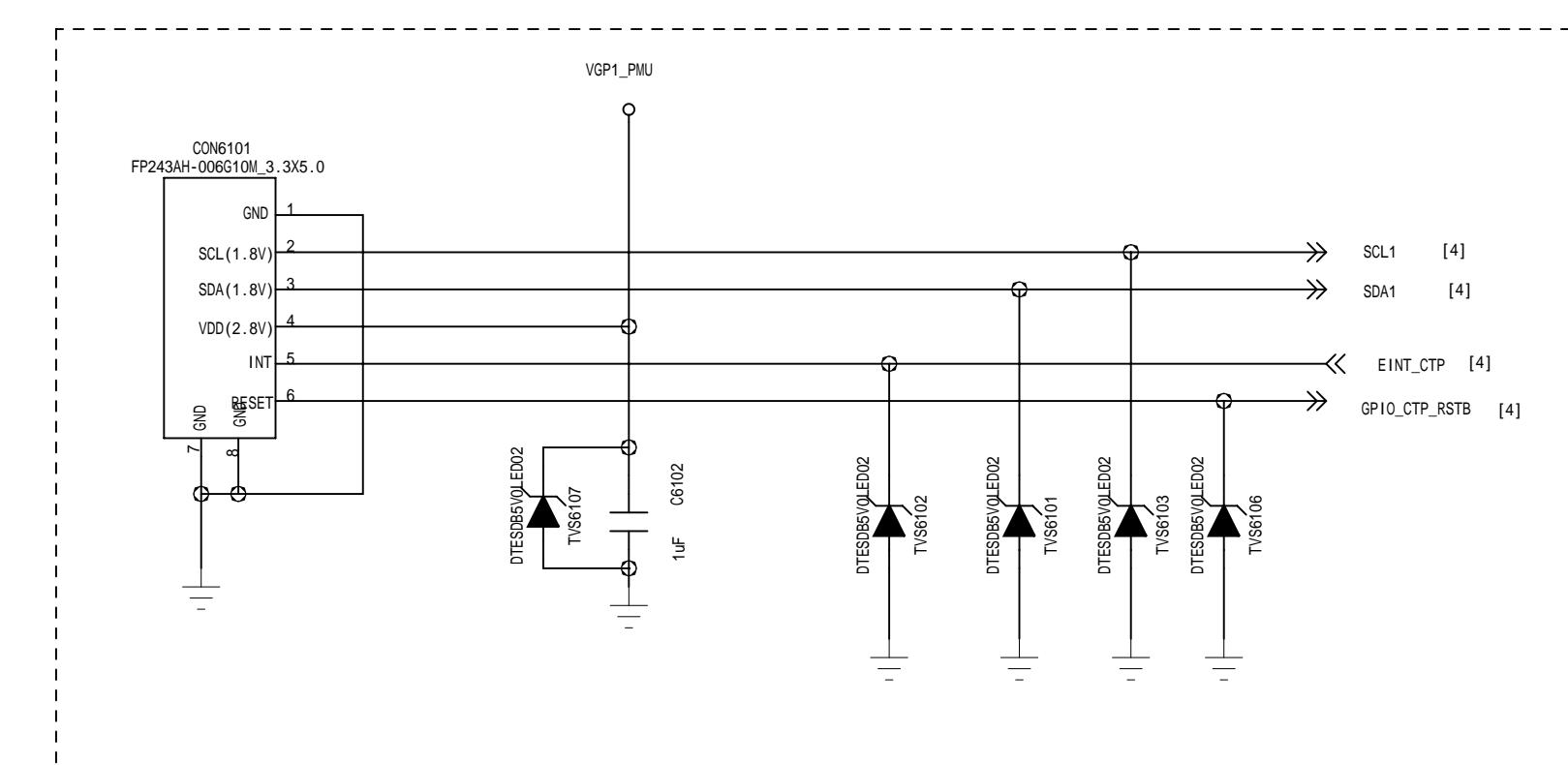
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REVISION RECORD			
ltr	ECO NO:	APPROVED:	DATE:

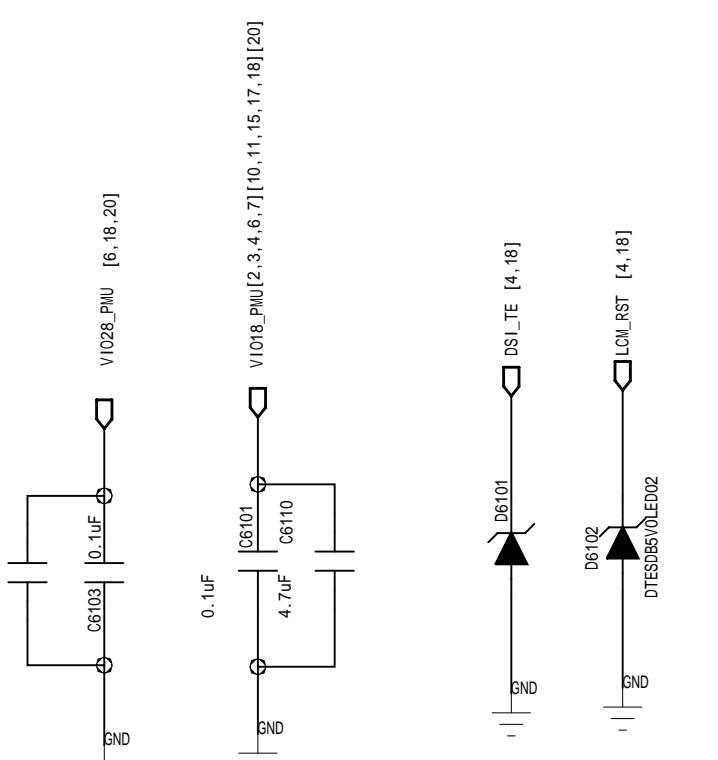
### LCM Backlight LED Driver



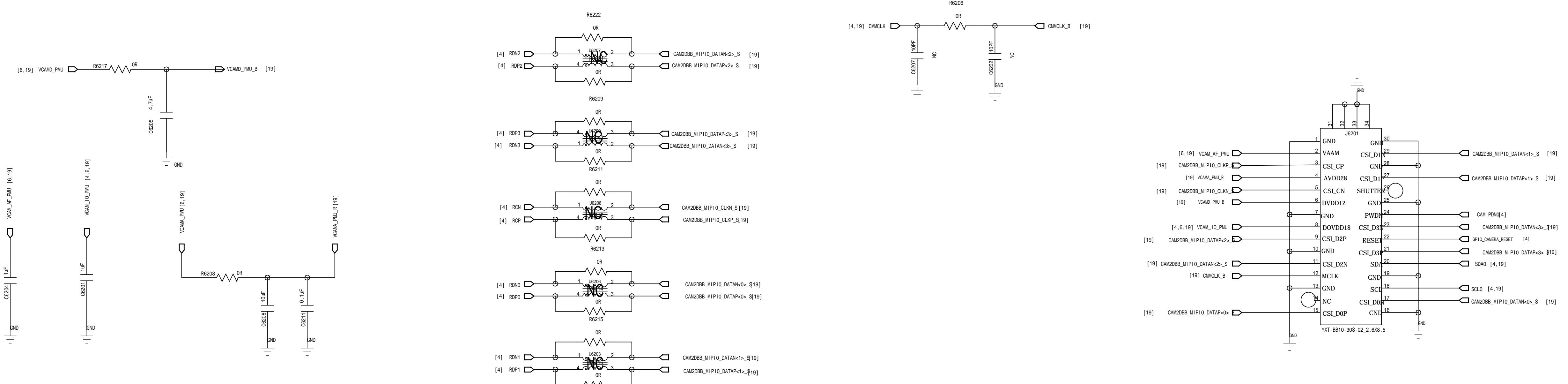
### MIPI LCD: 4" WVGA



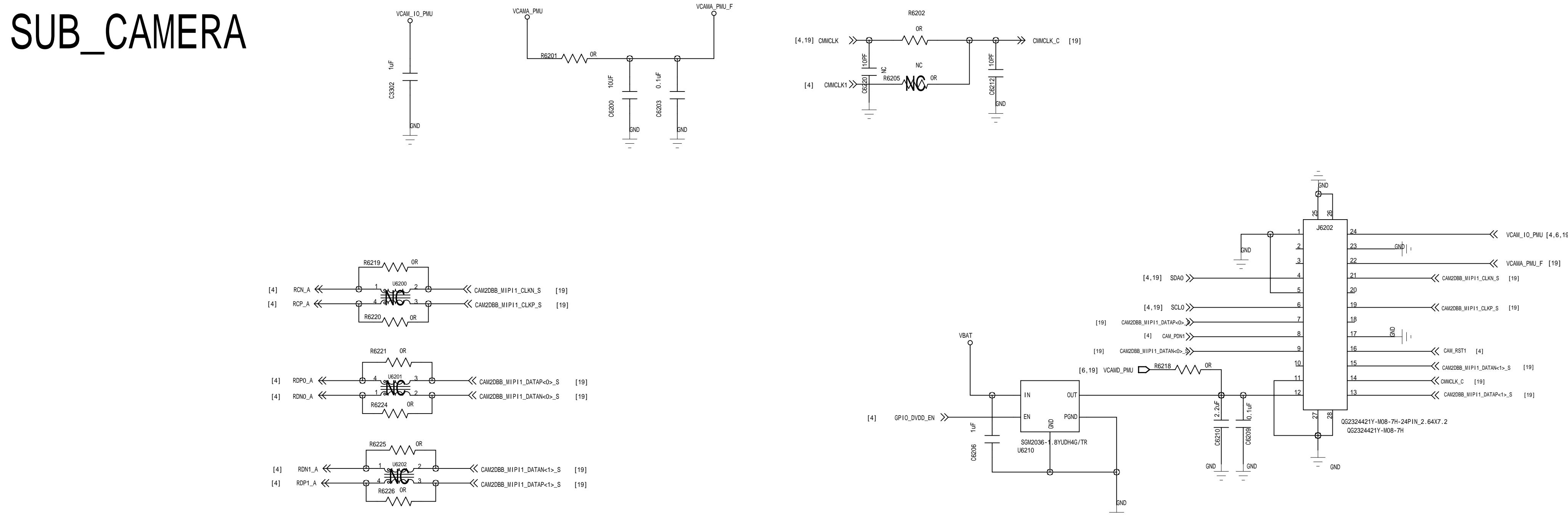
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DRAFTER: XISHUANGSHUANG	DATED: 2016.04.20
CHECKED: SUNHAO	DATED: <Checked Date>
QUALITY CONTROL: <QC By>	DATED: <QC Date>
RELEASED: <Released By>	DATED: <Release Date>
CODE: <Code>	SIZE: D
DRAWING NO: <Drawing Number>	
REV: <Revision>	



# MAIN\_CAMERA



# SUB\_CAMERA



have ch

DRAWN: XISHUANGSHUANG	DATED: 2016.04.20	A183			
CHECKED: SUNHAO	DATED: <Checked Date>	CODE:  <Code>	SIZE:  D	DRAWING NO:  <Drawing Number><Revision>	REV:
QUALITY CONTROL: <QC By>	DATED: <QC Date>				
RELEASED: <Released By>	DATED: <Release Date>	SCALE: <Scale>		SHEET: 19F 22	

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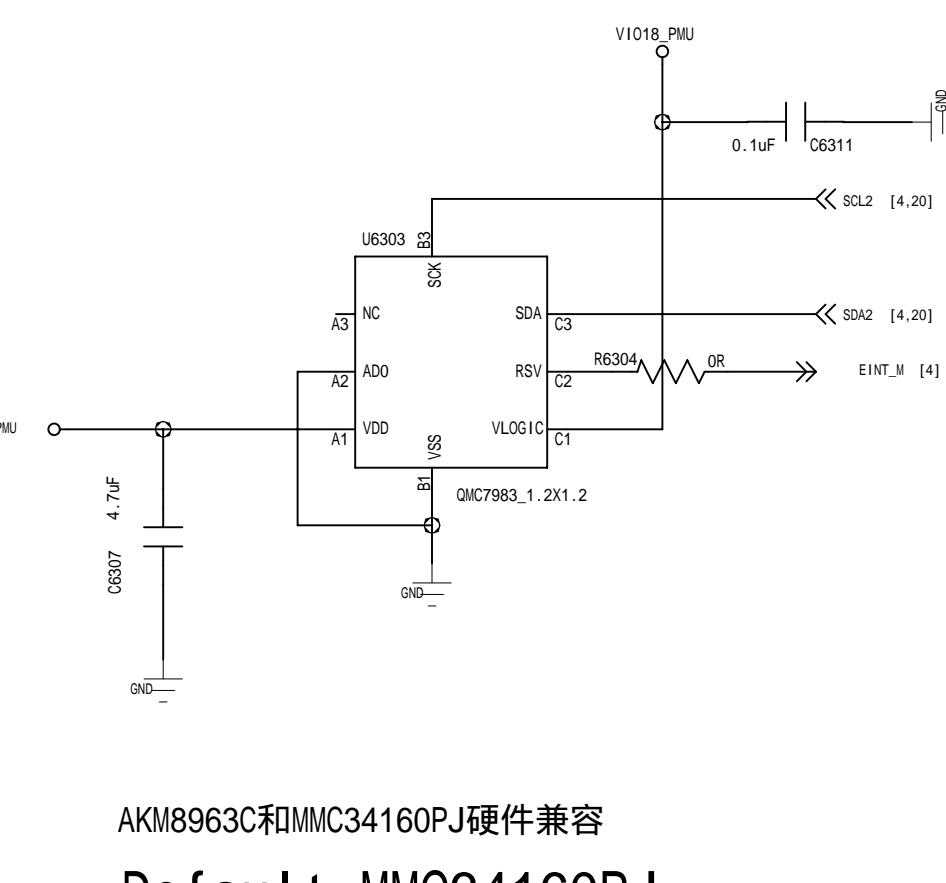
4

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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

# MAG Sensor

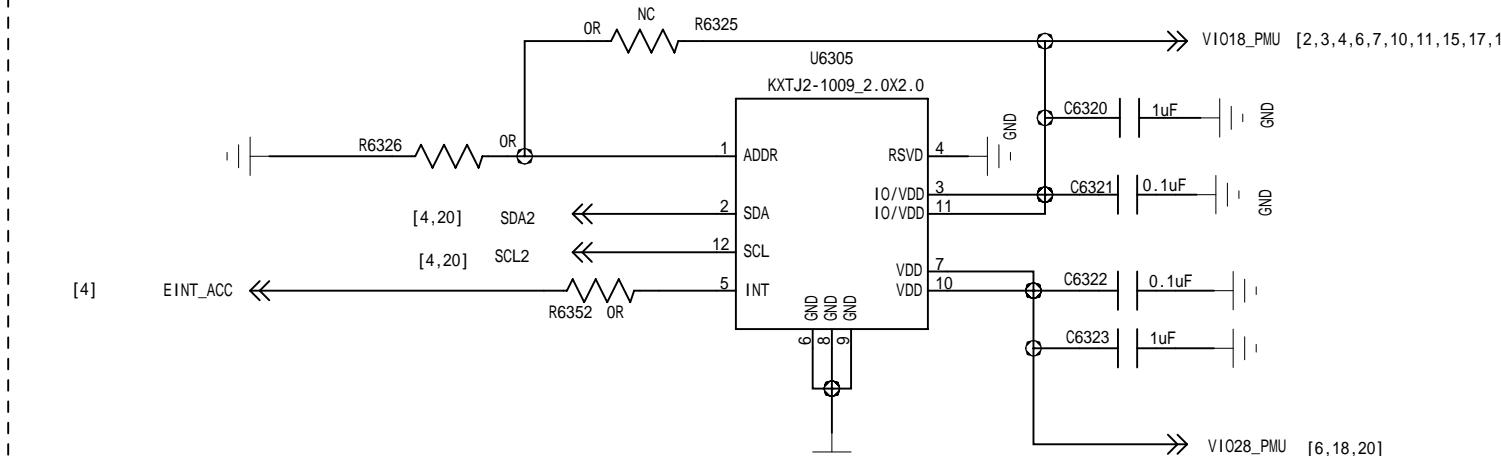


AKM8963C和MMC34160PJ硬件兼容

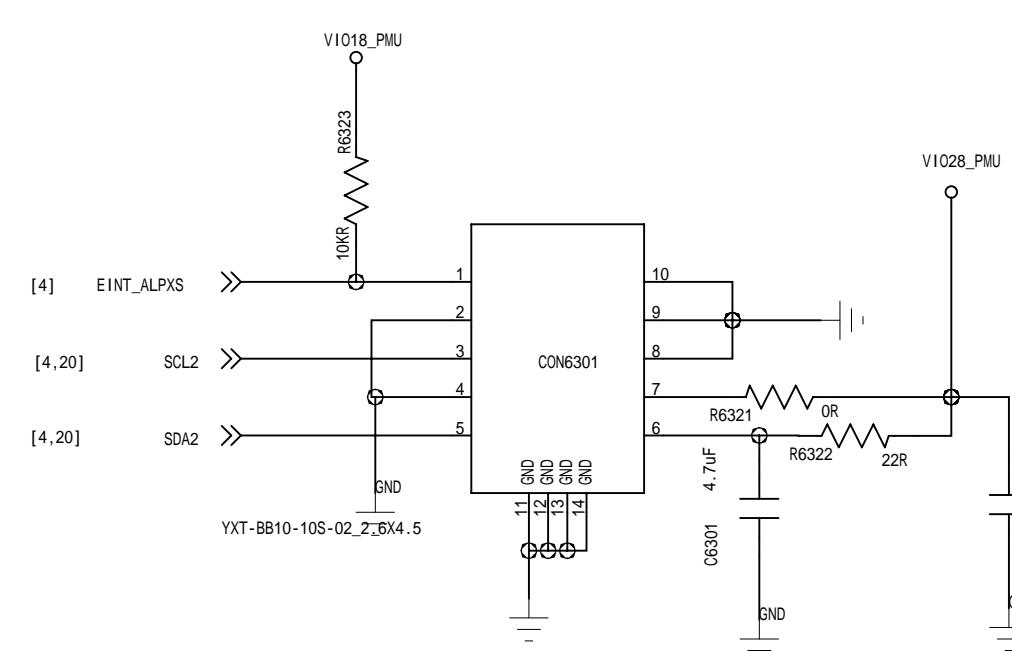
Default MMC34160PJ

# G Sensor - 3X

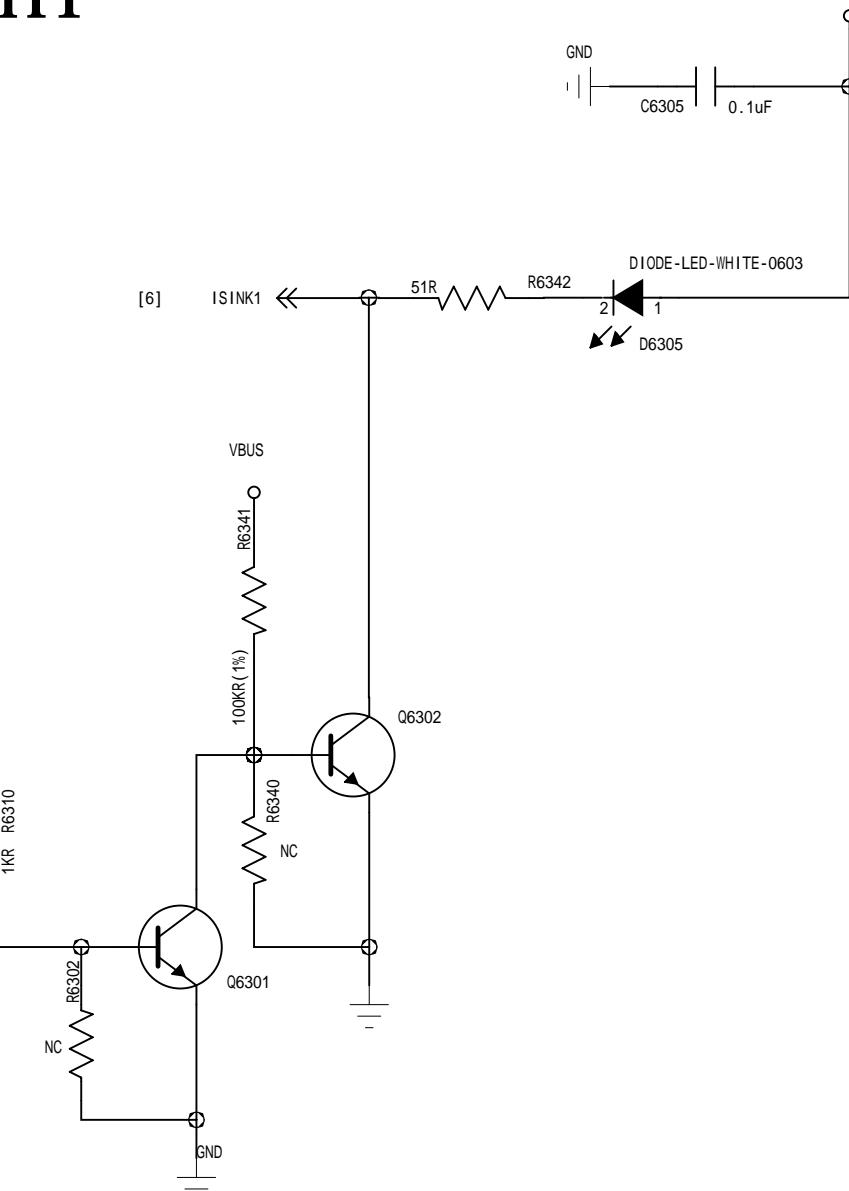
## 2\*2



# Ambient Light Sensor with Proximity Sensor ØEPL2590



## INDICATOR LIGHT



Thermistor / To sense board level temperatur

NTC6301 close to BB ,and located in the same lay  
(can refer to thermal design notice)

		COMPANY: <b>WIND</b>			
		TITLE: <b>A183</b>			
DRAWN: <b>XISHUANGSHUANG</b>	DATED: <b>2016.04.20</b>	CODE: <b>&lt;Code&gt;</b>	SIZE: <b>D</b>	DRAWING NO: <b>&lt;Drawing Number&gt;</b>	REV: <b>&lt;Revision&gt;</b>
CHECKED: <b>SUNHAO</b>	DATED: <b>&lt;Checked Date&gt;</b>				
QUALITY CONTROL: <b>&lt;QC By&gt;</b>	DATED: <b>&lt;QC Date&gt;</b>				
RELEASED: <b>&lt;Released By&gt;</b>	DATED: <b>&lt;Release Date&gt;</b>				
SCALE: <b>&lt;Scale&gt;</b>		SHEET: <b>20F 22</b>			

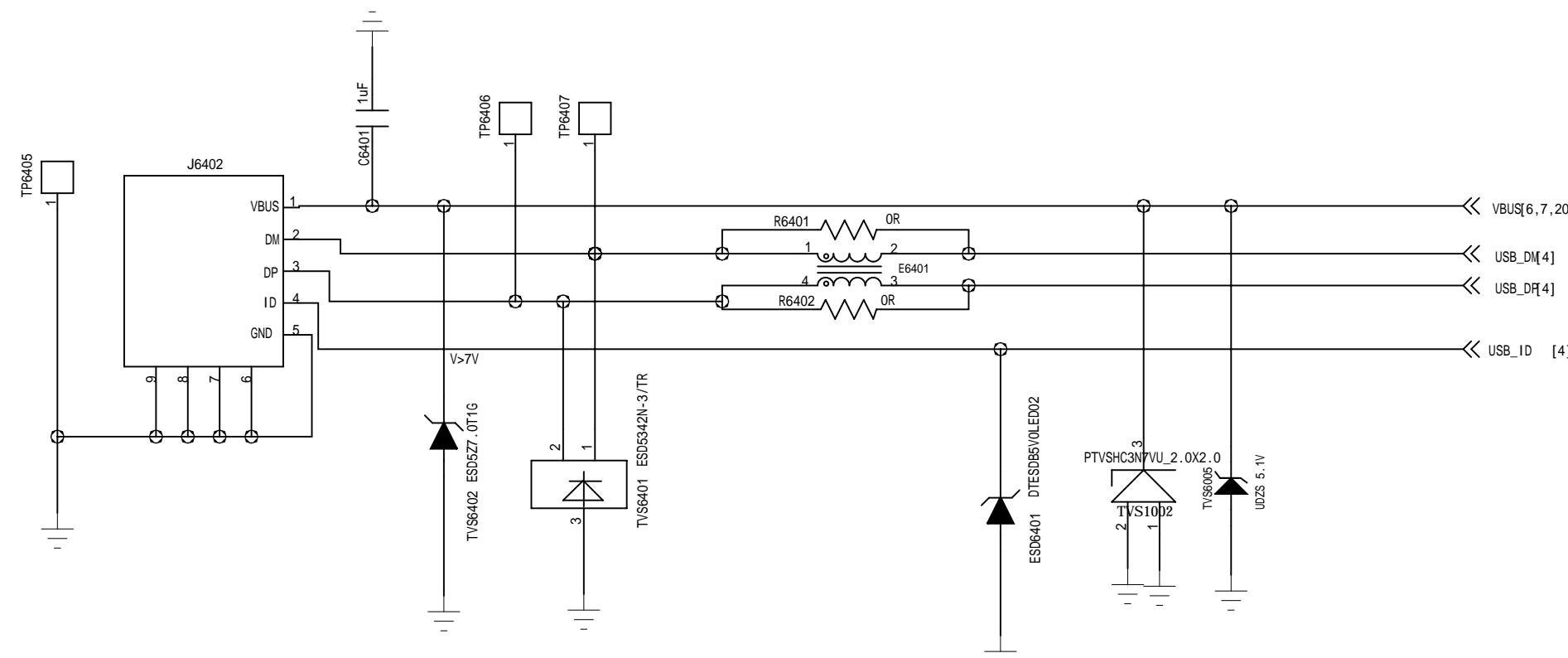
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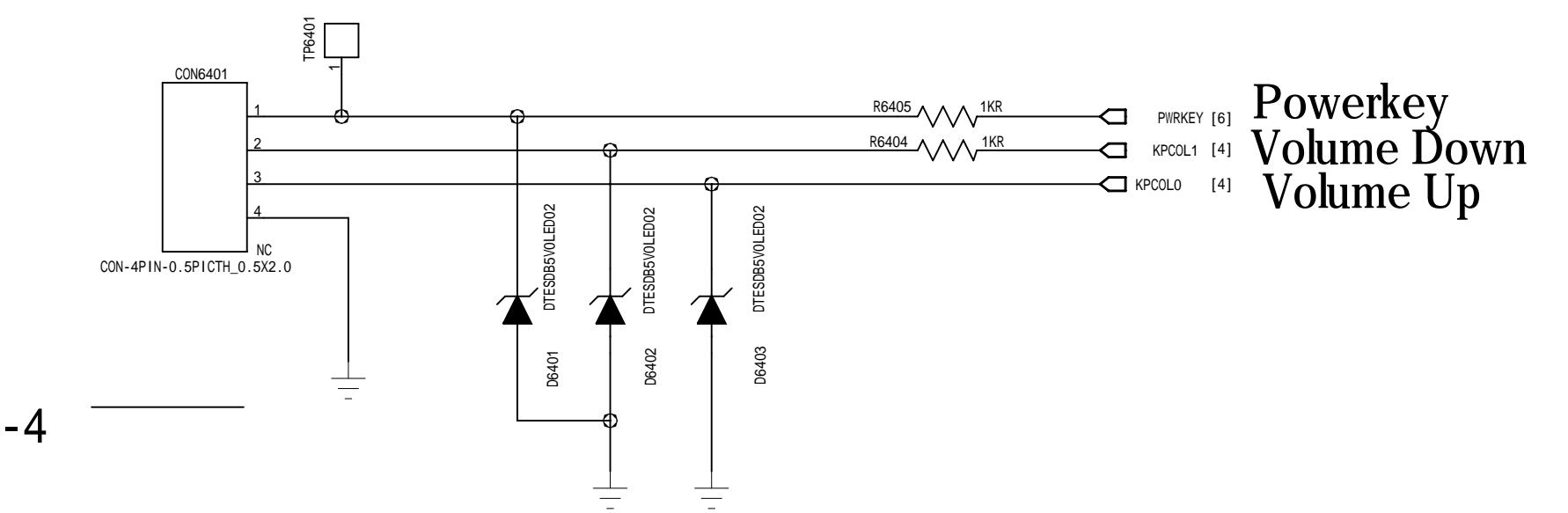
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

**USB**



15-

# side key



**Powerkey  
Volume Down  
Volume Up**

COMPANY:		WIND		A
TITLE:		A183		
CODE:  <Code>	SIZE:  D	DRAWING NO:  <Drawing Number>	REV:  <Revision>	
SCALE: <Scale>		SHEET: 21F	22	

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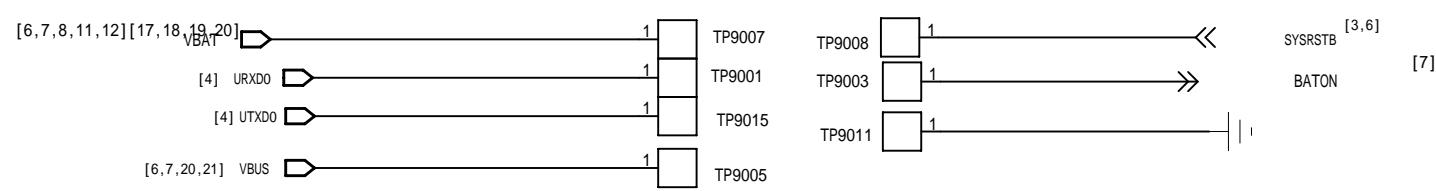
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REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

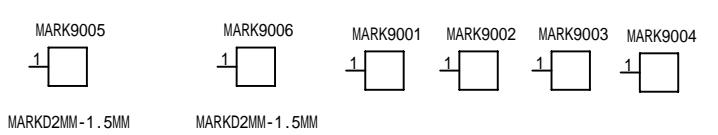
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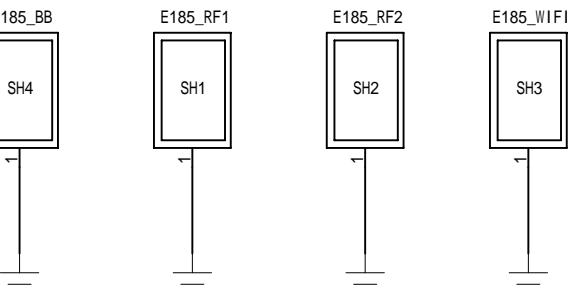
## TEST POINTS



## MARK



TMC 方形光学点      TMC圆形光学点



C

C

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B

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A

have checked

COMPANY: WIND	
TITLE: A183	
DRAIN: XISHUANGSHUANG	DATED: 2016.04.20
CHECKED: SUNHAO	DATED: <Checked Date>
QUALITY CONTROL: <QC By>	DATED: <QC Date>
RELEASED: <Released By>	DATED: <Release Date>
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SCALE: <Scale>    SHEET: 22f 22	