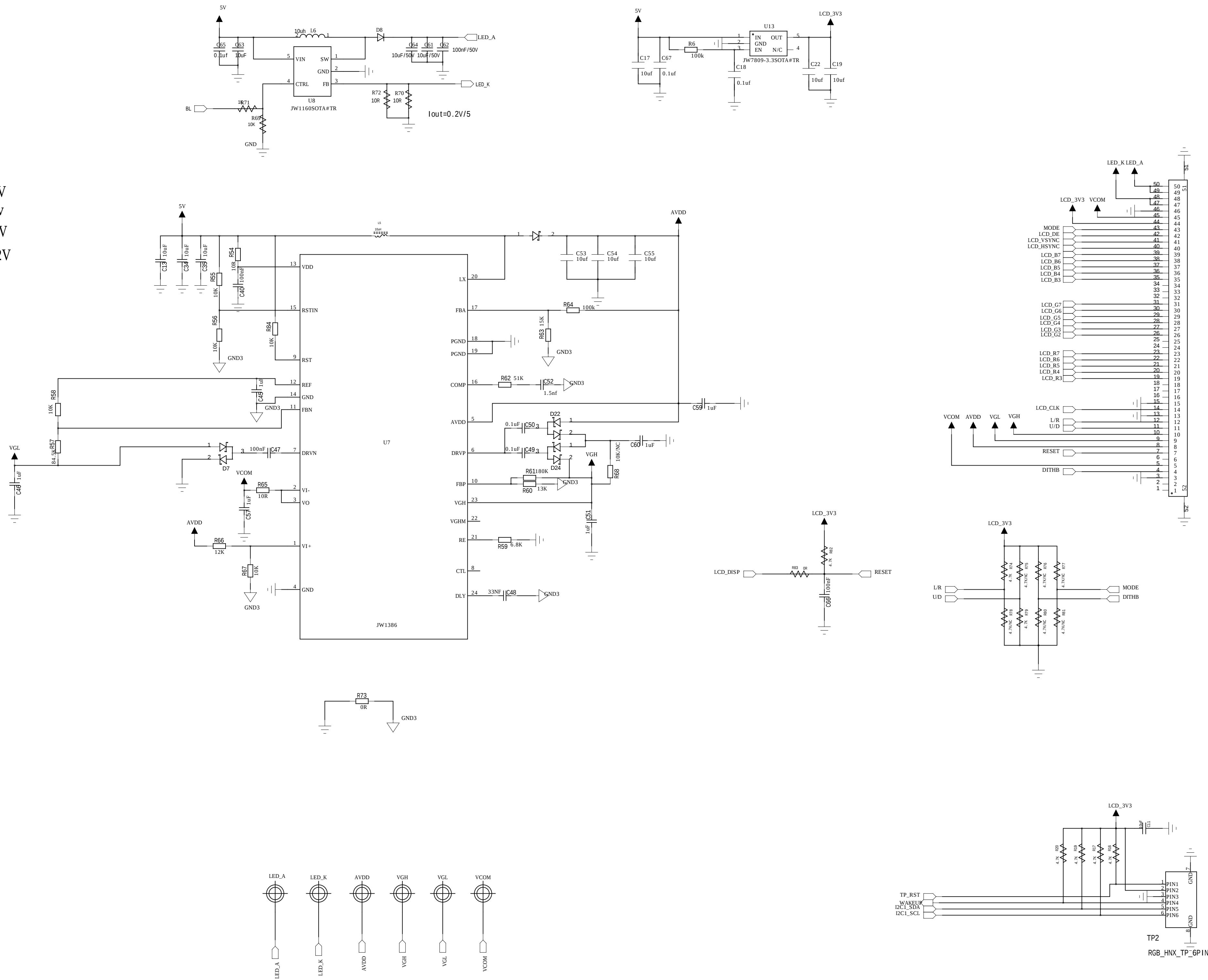
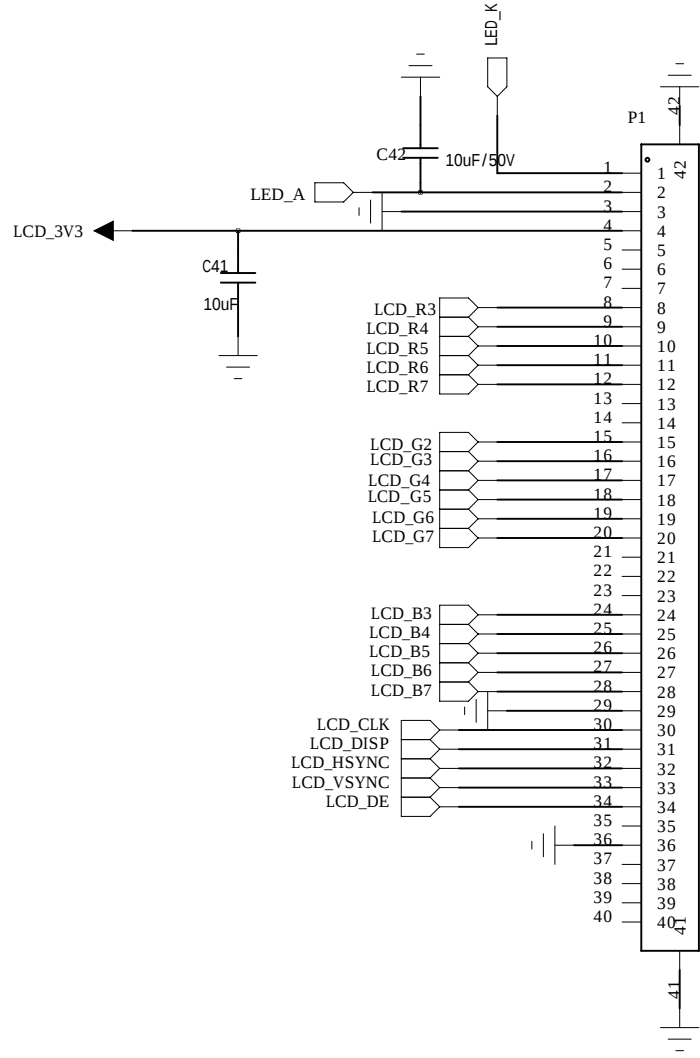


REVISION RECORD			
DATE	REV	DESCRIPTION	BY

VGH:18.5V
VGL:-8.2v
AVDD:9.6V
VCOM:4.2V

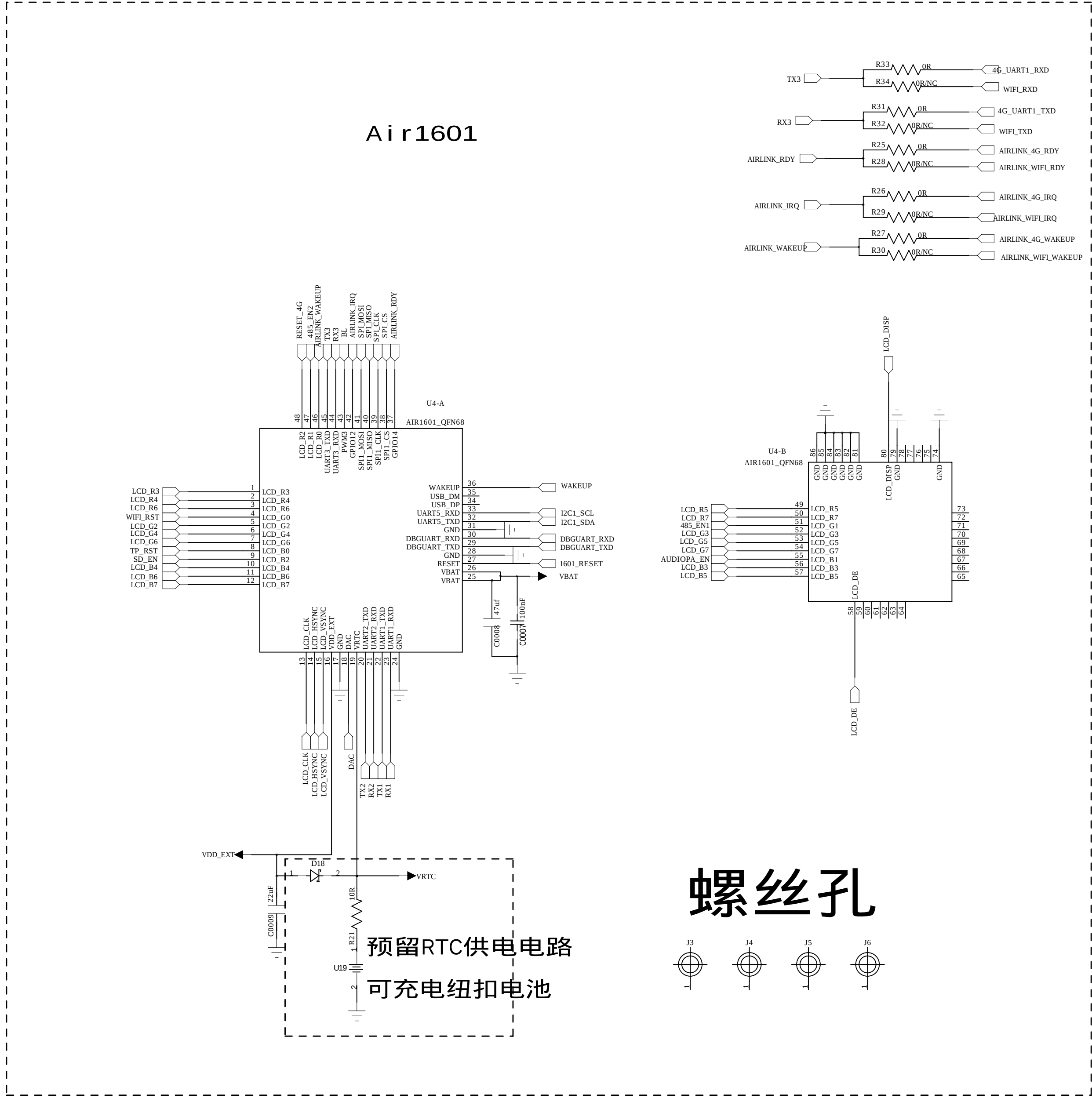


50P 50P



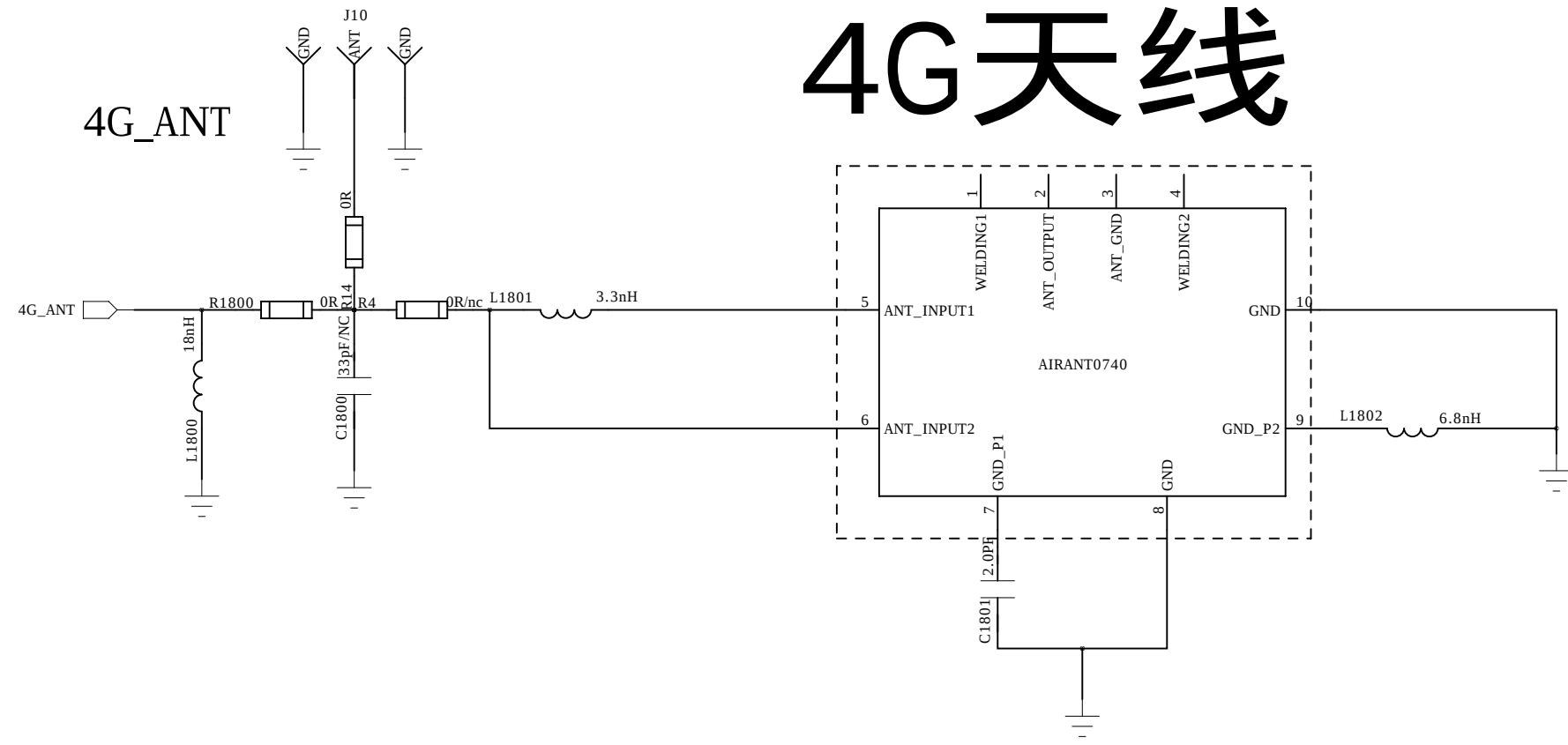
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CHECKED:	DATED:	CODE:	SIZE:
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REVISION RECORD			
LT#	ECO NO.	APPROVED	DATE



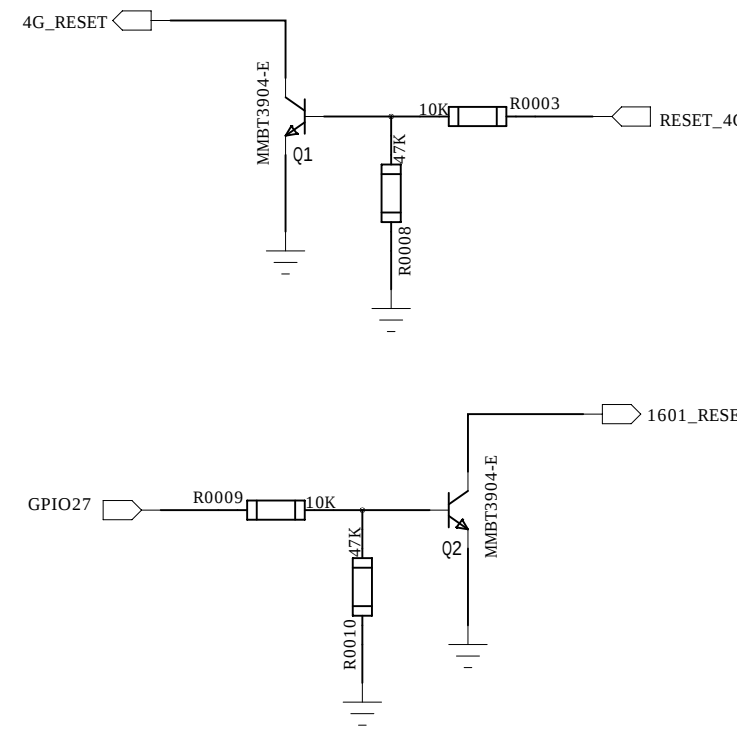
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RELEASED: <Released By>	DATE: <Release Date>	Revision: <Revision>	
Scale: <Scale>		SHEET: 3 OF 8	

REVISION RECORD			
LT#	ECO NO.	APPROVED	DATE

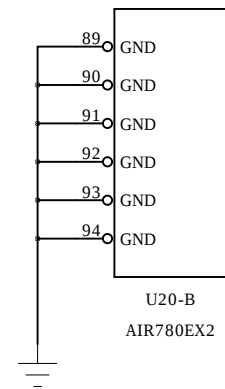
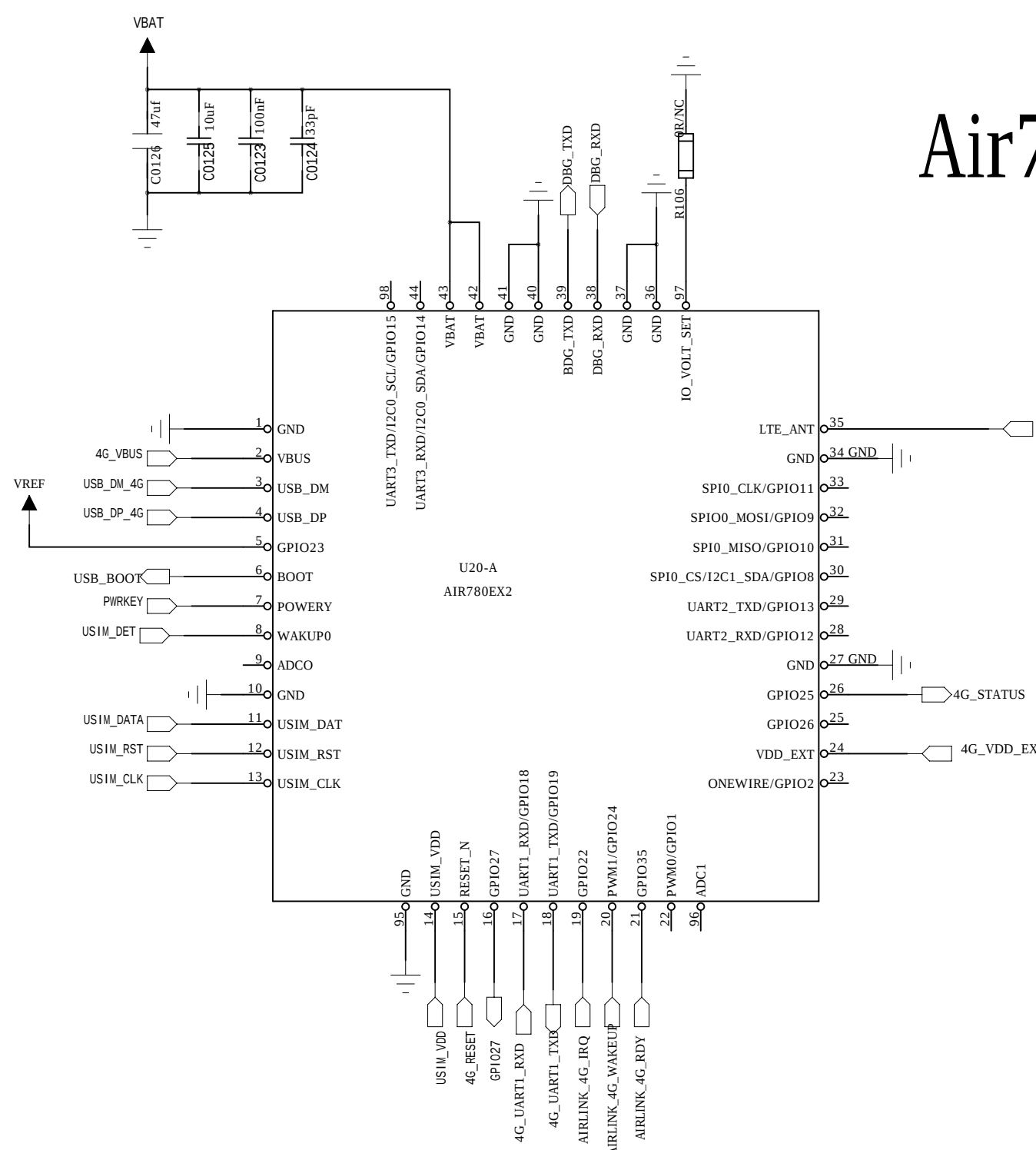


4G天线

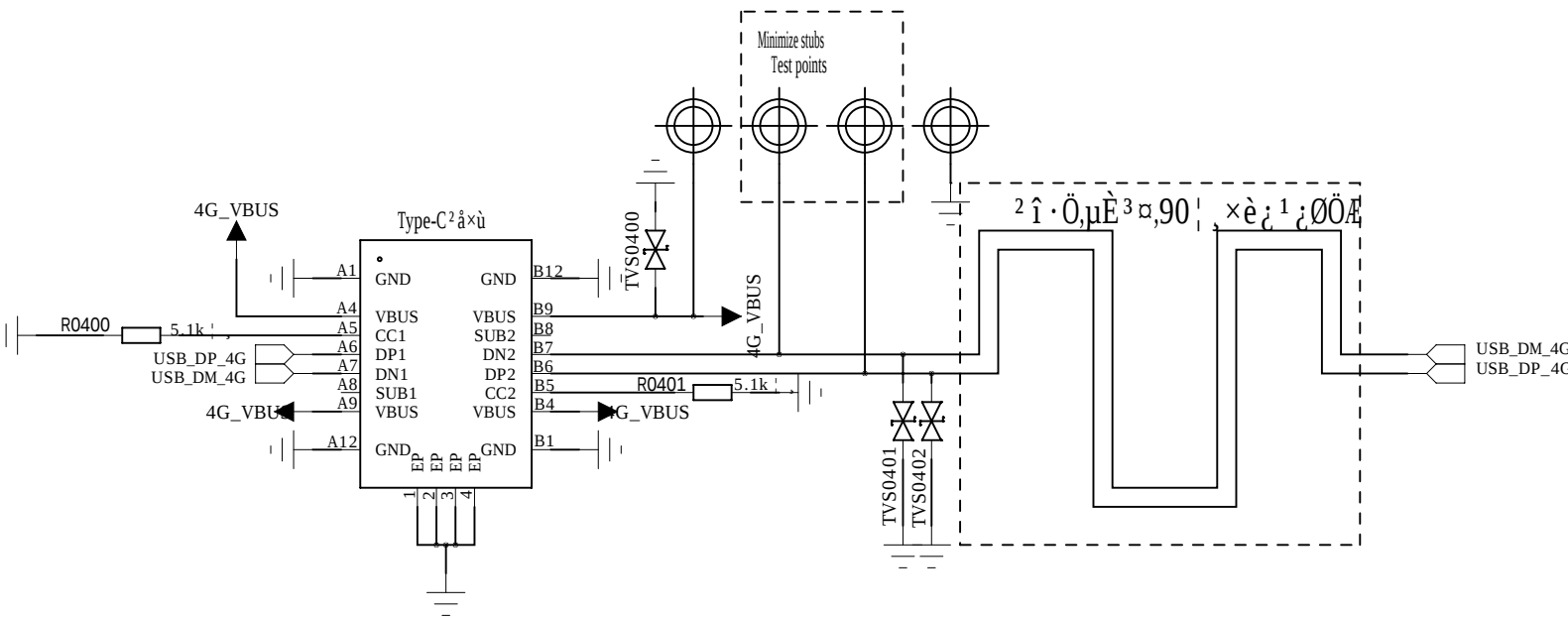
互为看门狗



Air780ER2



USB

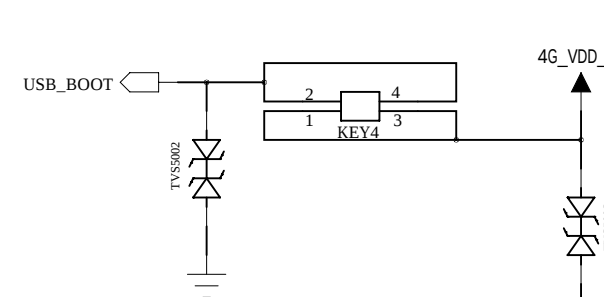
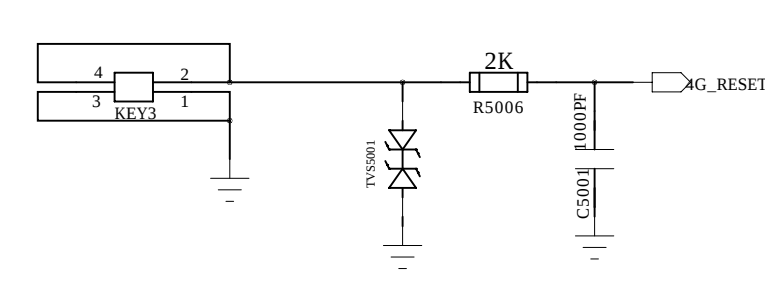
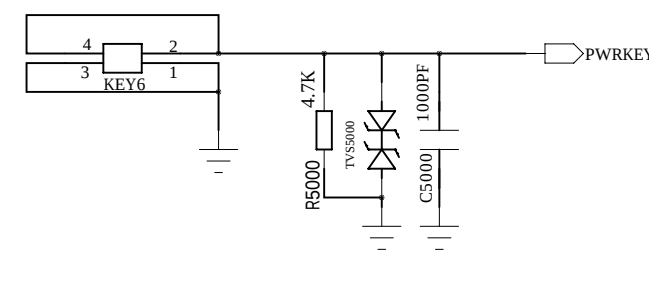


1. USB走线需要严格按照差分线控制，做到平行和等长；
2. USB走线的阻抗需要控制到差分90欧姆；
3. 需要尽可能的减少USB走线的stubs，减少信号反射；USB信号的测试点最好直接放在走线上以减少stub
4. 在靠近USB连接器或者测试点的地方添加TVS保护管，由于USB的速率较高，需保证选用的TVS保护管的寄生电容小于1pF
5. VBUS作为USB插入检测，必须连接USB电源或者外接电源，否则USB无法被检测到，VBUS的检测电压要大于3V

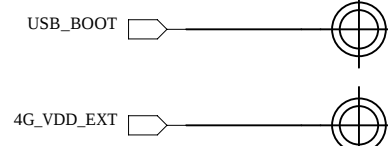
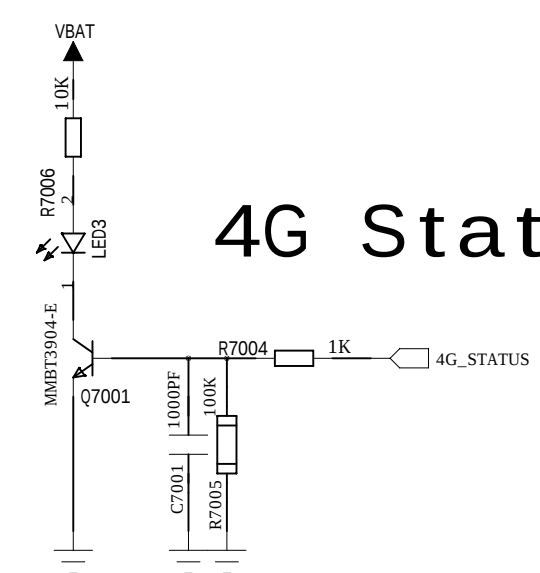
按键开机

RESET_N 复位

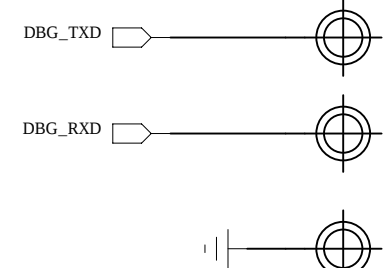
USB下载使能



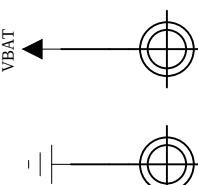
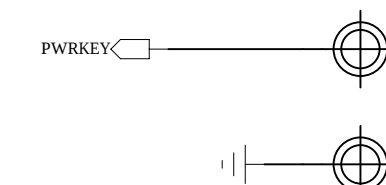
4G Status



建议预留测试点



DMC_UART, 也常备称为UART0, 用作底层日志的抓取
波特率921600bps, 不可更改
不可作为通用UART使用



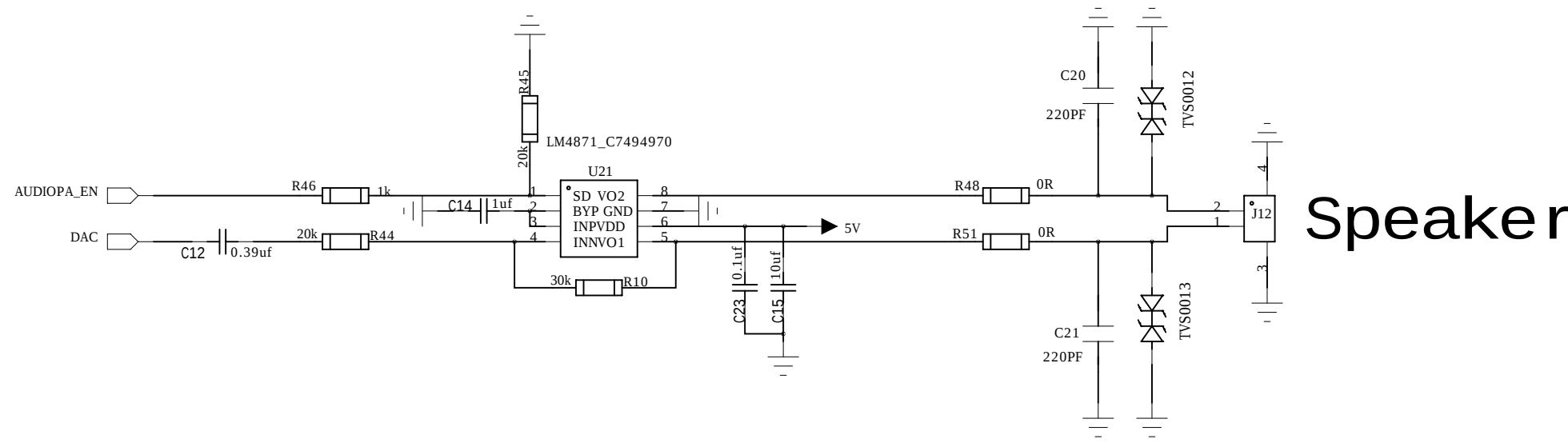
开机键测试点，设计批量升级夹具时会用到 VBAT供电测试点，设计批量升级夹具时会用到

COMPANY			
<Company Name>			
TITLE			
<Title>			
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CHECKED: <Checked By>	DATE: <Checked Date>	CODE	SIZE
QUALITY CONTROL: <QC By>	DATE: <QC Date>	CODE	SIZE
RELEASED: <Released By>	DATE: <Release Date>	CODE	SIZE

DRAWING NO.			
A0<Drawing Number>			
SHEET: 5 of 8			

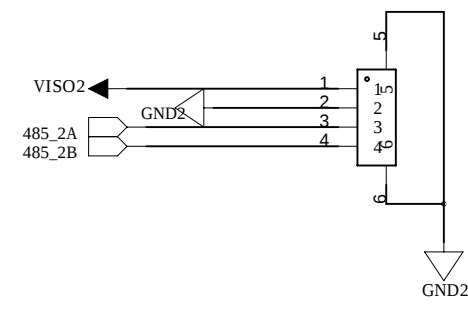
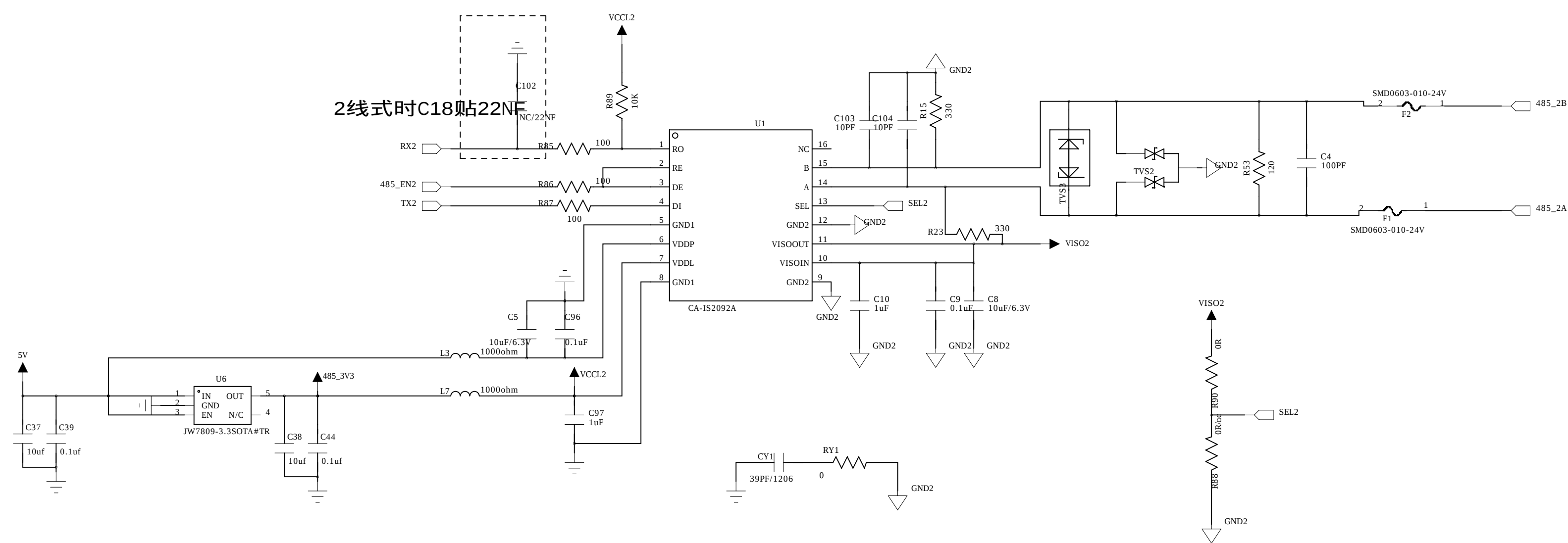
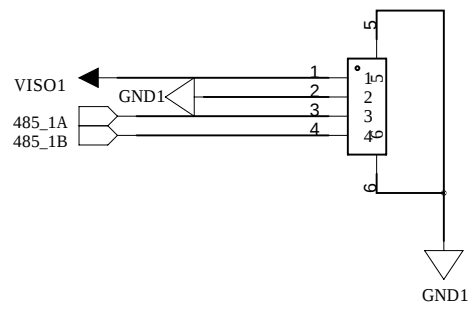
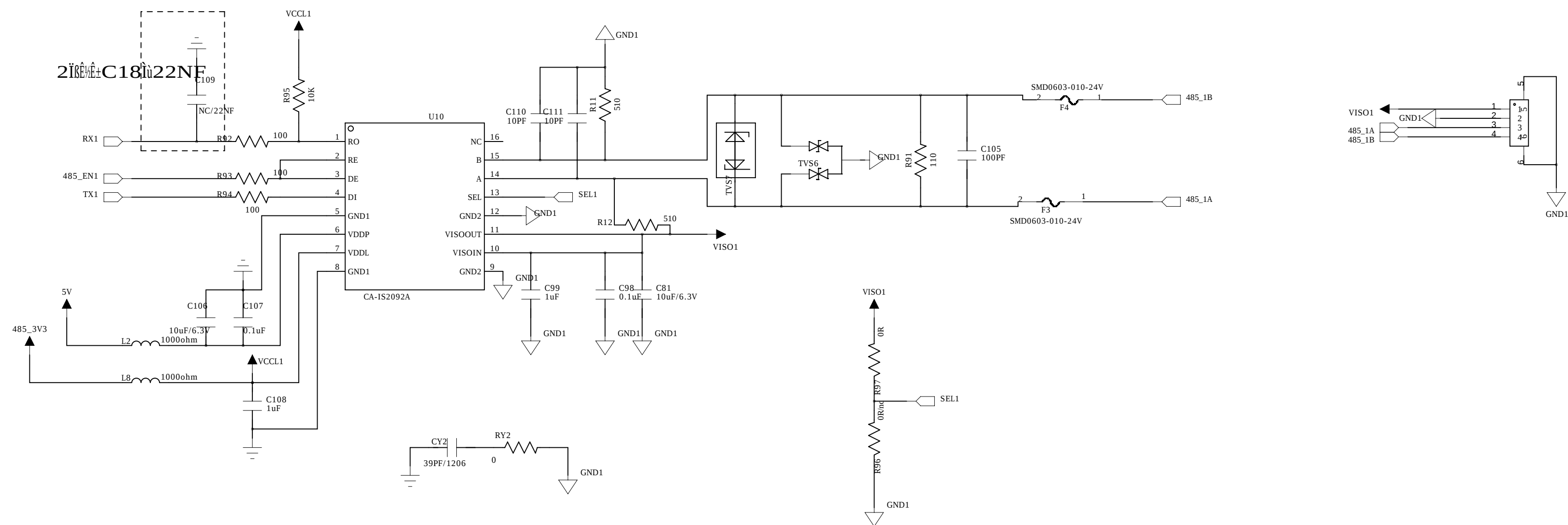
REVISION RECORD			
LT#	ECO NO.	APPROVED	DATE

音频输出(喇叭)参考电路



COMPANY: <Company Name>			
TITLE: <Title>			
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REVISION RECORD			
LT#	ECO NO.	APPROVED	DATE



COMPANY: <Company Name>			
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QUALITY CONTROL: <QC By>	DATED: <QC Date>	CODE: <Code>	SIZE: <Size>
RELEASED: <Released By>	DATED: <Release Date>	CODE: <Code>	SIZE: <Size>

DRAWING NO. <Drawing Number>			
REVISION: <Revision>			

