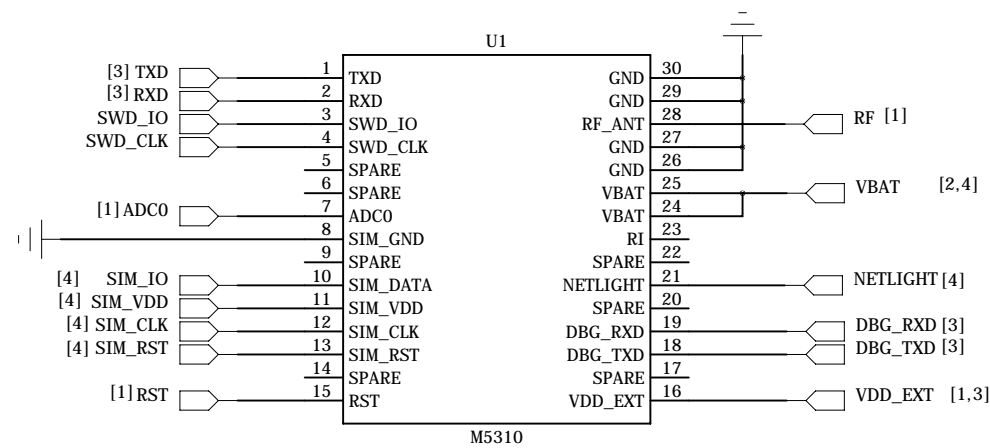
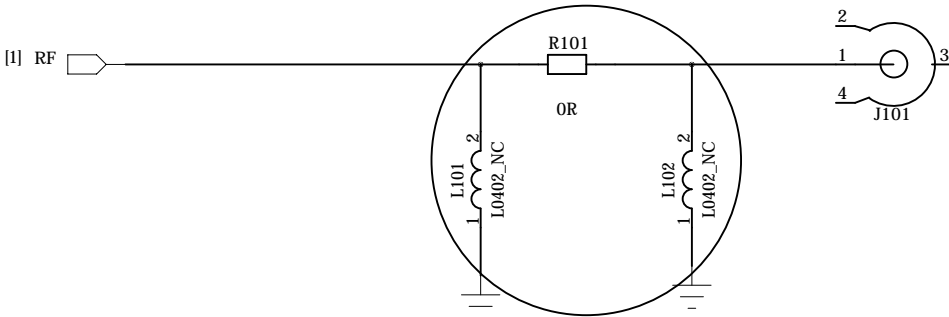


模组接口

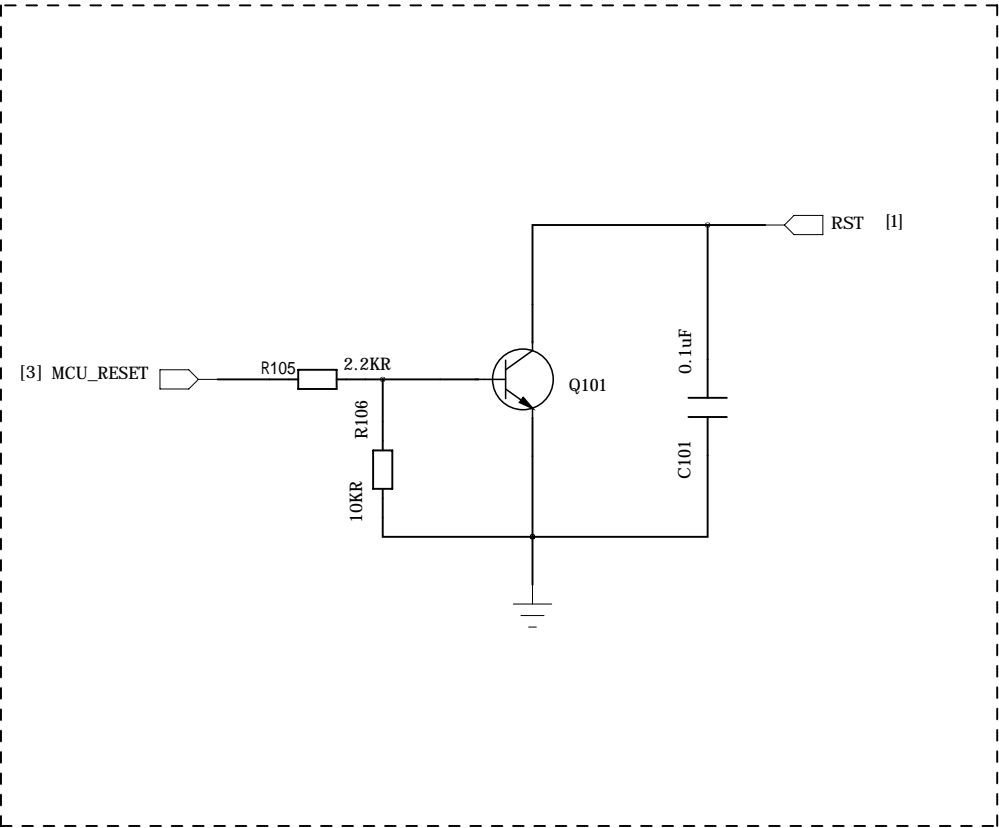


天线

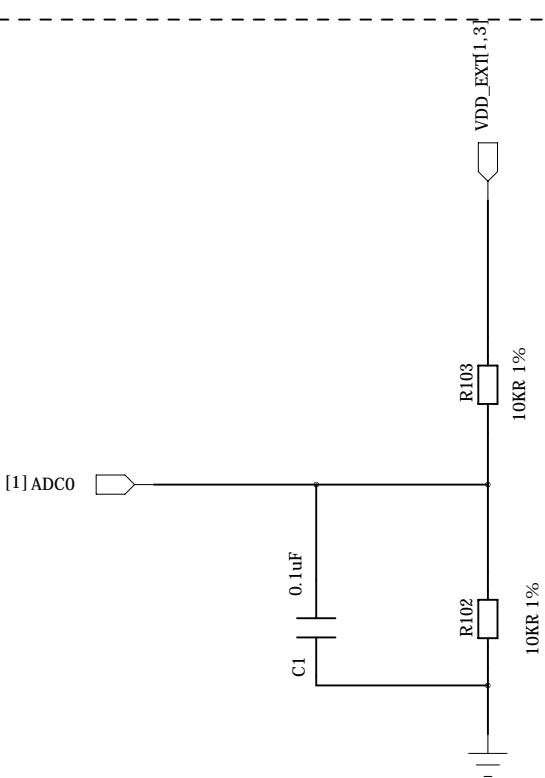
靠近天线座子端预留PI型匹配电路，天线控制50欧姆阻抗



RESET电路



ADC参考电路

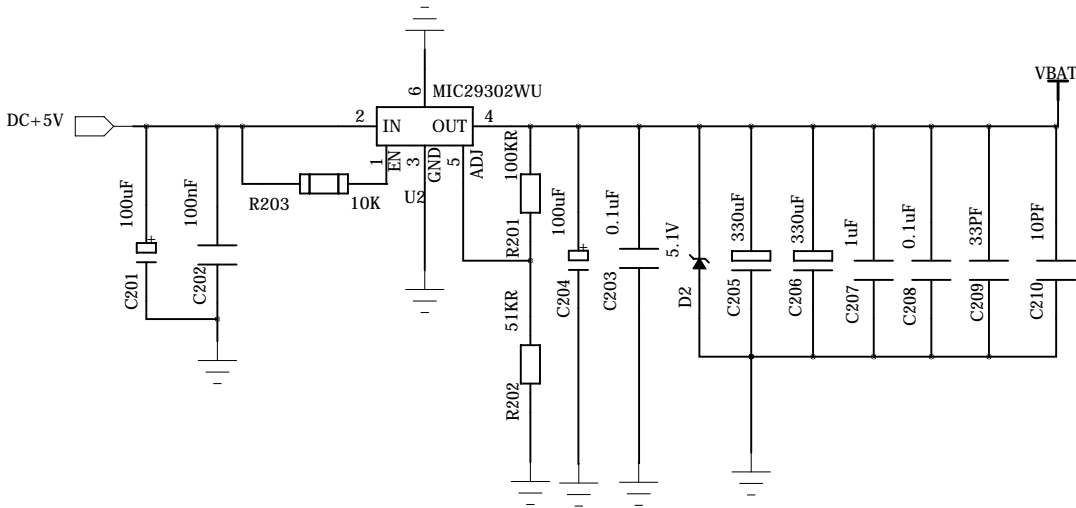


中移物联网					
DRAWN:	Cheng HC	DATED:	2018/05/08	TITLE:	MODULE
CHECKED:	<Checked By>	DATED:	<Checked Date>	SIZE:	A2
				REV:	V1.3
				SHEET:	1 of 4

电源供应

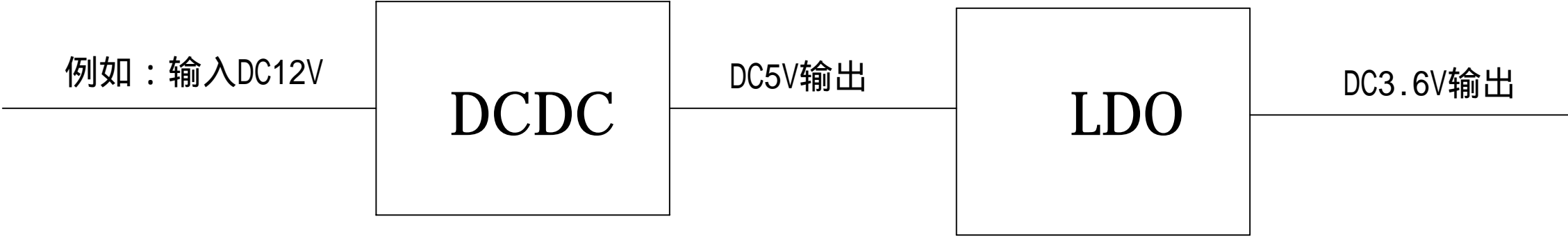
压差较小的话建议使用LDO

5V转3.6V



此处LDO仅仅示例，可以根据自己的需求进行调整

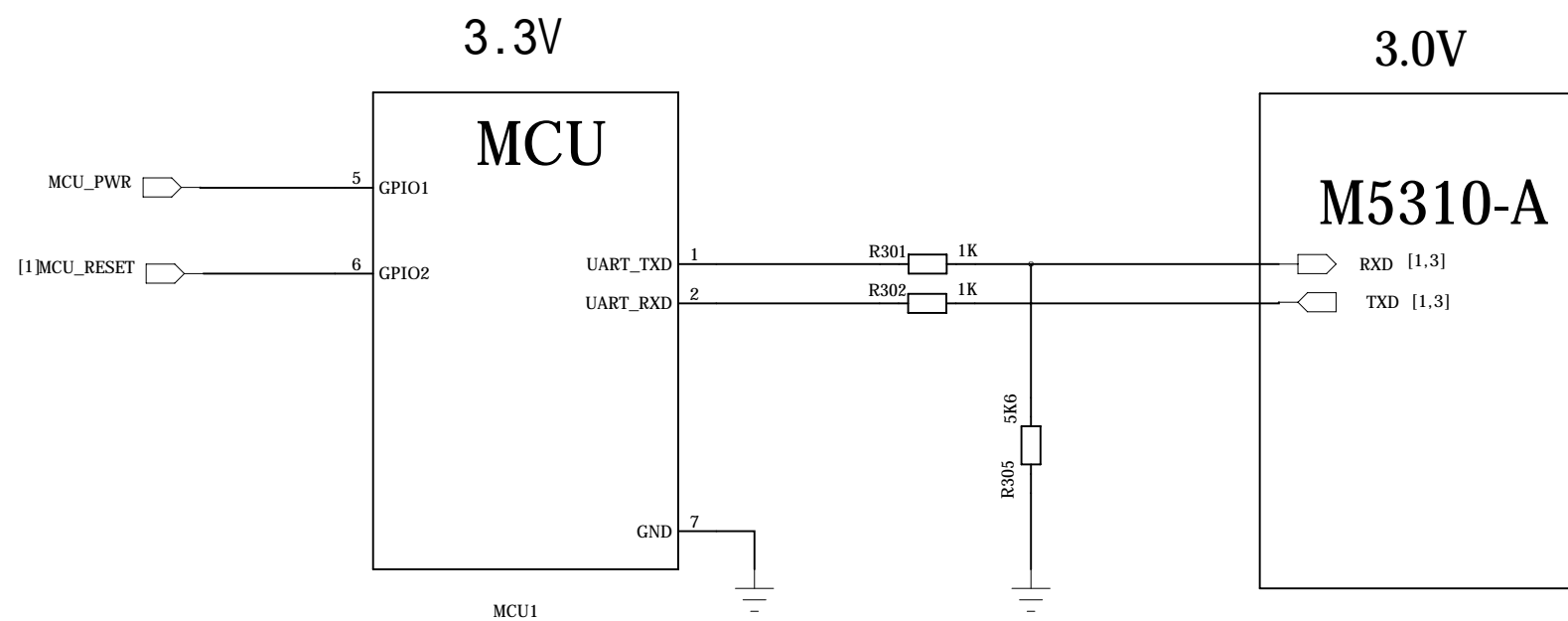
若输入输出压差较大，建议先使用DCDC降压到5V,再使用LDO



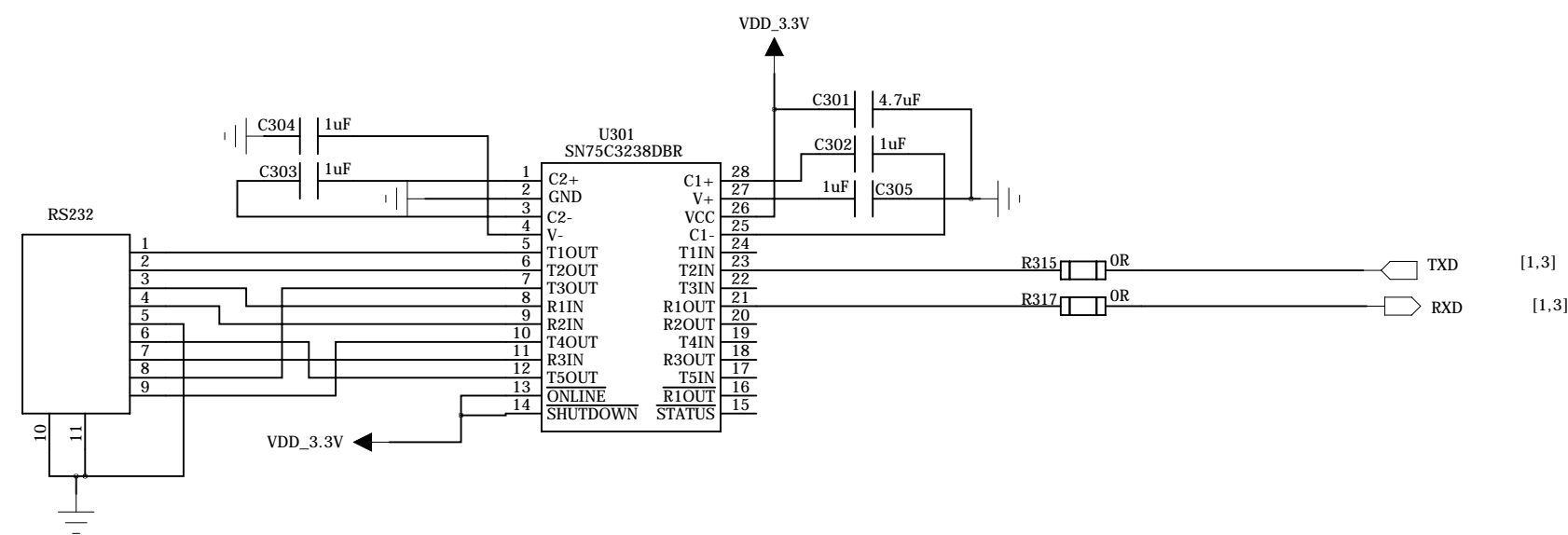
- 1、 模组供电范围3.1V-4.2V，典型值3.6V,电源尽量能够提供1A电流
- 2、 圆圈标记器件靠近模组VBAT脚放置
- 3、 建议增加5.1V/1W的稳压二极管，提高抗浪涌能力
- 4、 电源layout走线尽量短且粗

中移物联网				
DRAWN: Cheng HC	DATED: 2018/05/08	TITLE: POWER	PROJECT M5310-A参考设计	
CHECKED: <Checked By>	DATED: <Checked Date>	SIZE: A2	REV: V1.3	SHEET: 2 of 4

UART

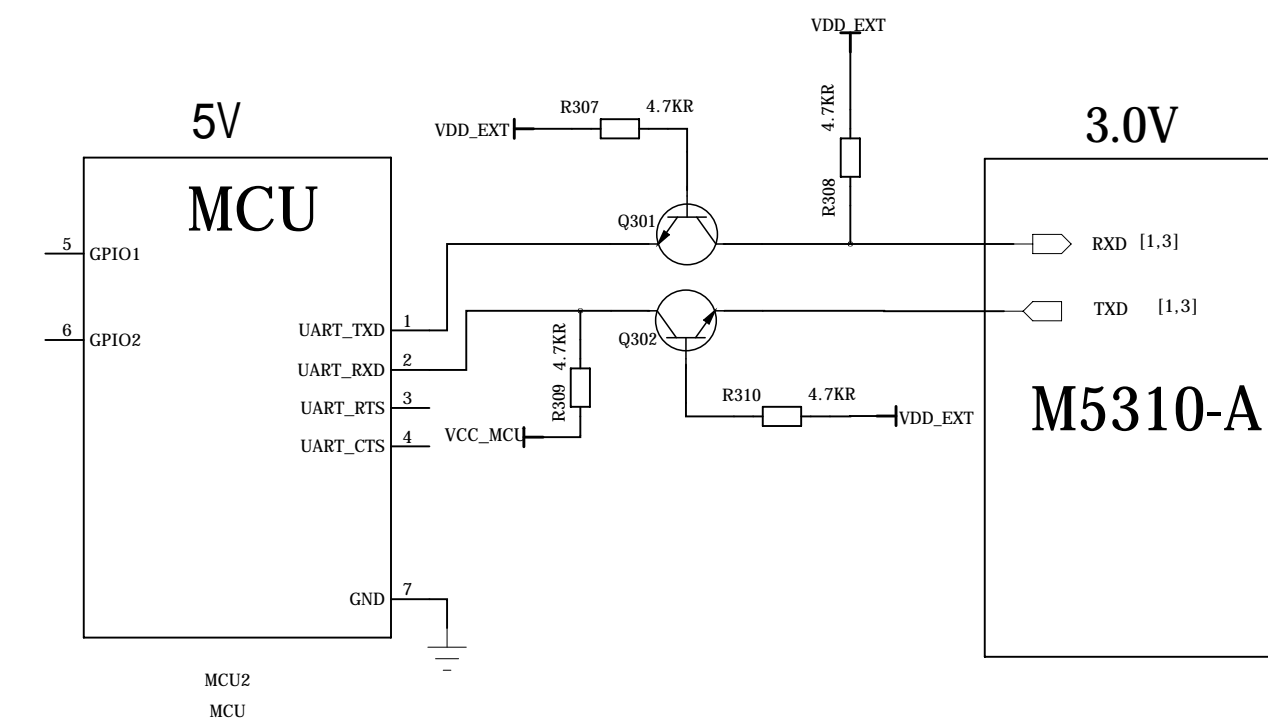


TTL转RS232电路

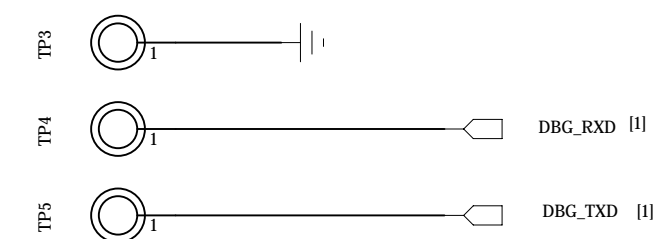


5V单片机

VCC_MCU是单片机的IO电压，VDD_EXT是模块输出的IO电压



- 1、模组串口为3.0V电平，注意电平匹配
3.3V采用电阻分压，5V采用三极管推动
- 2、DBG_UART留测试点，用于debug



中移物联网				
DRAWN: Cheng HC	DATED: 2018/05/08	TITLE: UART		PORJECT M5310-A参考设计
CHECKED: <Checked By>	DATED: <Checked Date>	SIZE: A2	REV: V1.3	SHEET: 3 of 4

