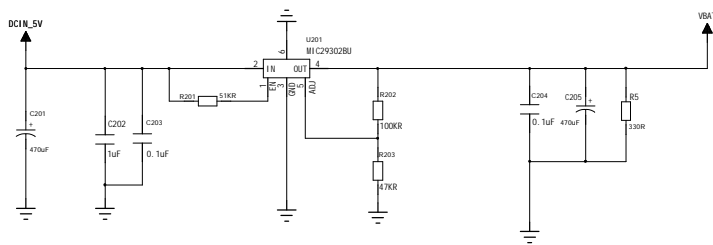
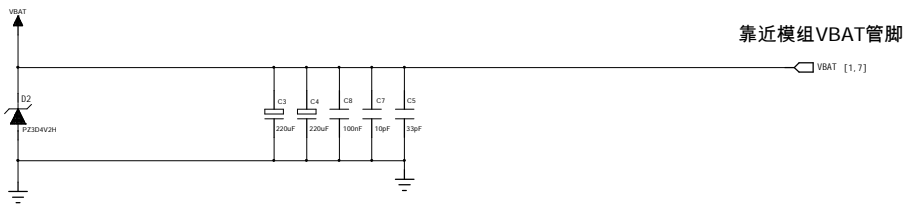


POWER



备注：

- 1.5V输入,通过LDO生成3.8V给模块供电
- 2.推荐负载电流不小于10mA



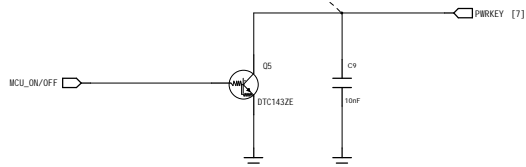
备注：

- 1.VBAT供电电流需满足2A的额定输出能力.
- 2.VBAT工作电压范围3.3V~4.3V

中移物联网				
DRAWN: Fu Qiang	DATED: 2019.10.25	TITLE: 1. POWER	PROJECT: ML302参考设计	
CHECKED:	DATED:	SIZE: A2	REV: V1.0.0	SHEET: 1 OF 8

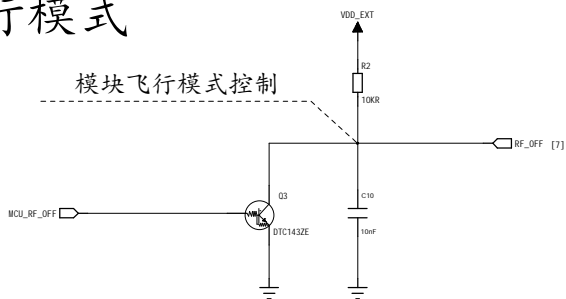
开关机

模块开机控制



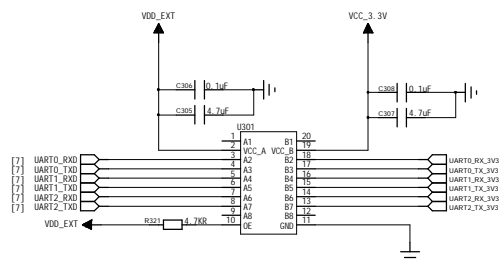
飞行模式

模块飞行模式控制



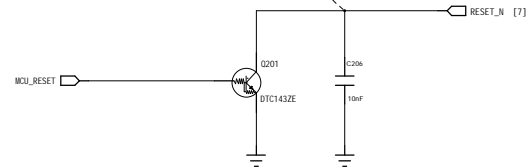
串口

1.8V转3.3V



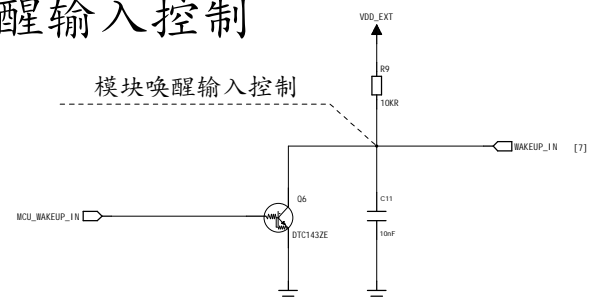
复位

模块复位控制



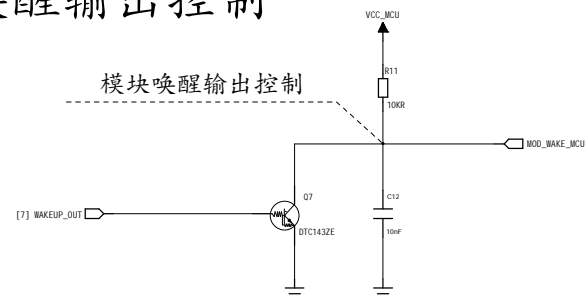
唤醒输入控制

模块唤醒输入控制



唤醒输出控制

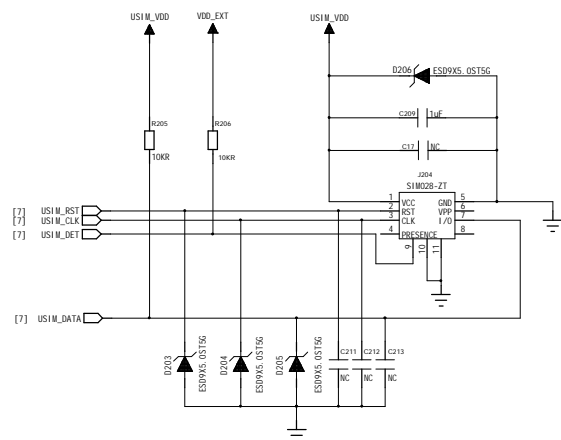
模块唤醒输出控制



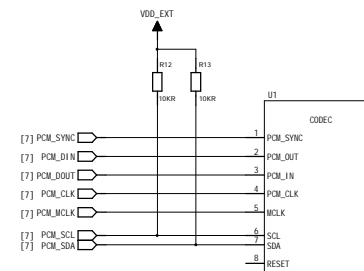
中移物联网

DRAWN: Fu Qiang	DATED: 2019.10.25	TITLE: 2. INTERFACE1	PROJECT: M302参考设计
CHECKED:	DATED:	SIZE: A2	REV: V1.0.0
			SHEET: 2 OF 8

SIM

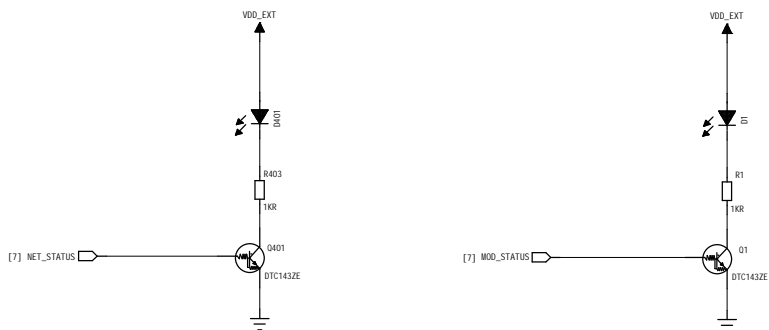


PCM

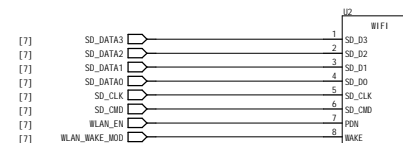


LED

NET_STATUS/MOD_STATUS需增加三极管驱动LED

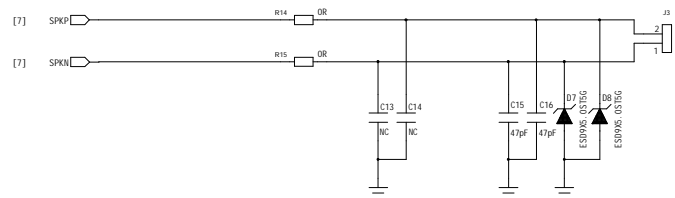


WIFI

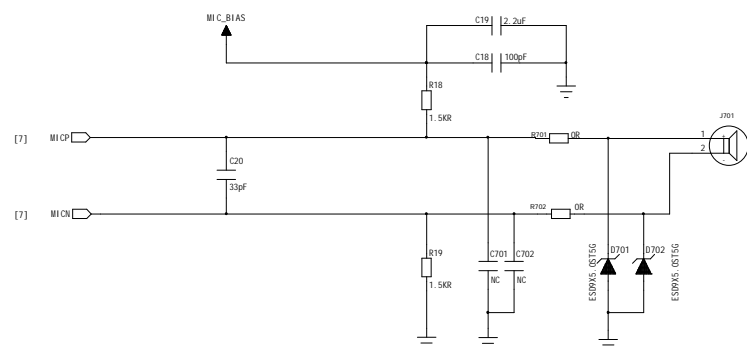


中移物联网							
DRAWN:	Fu Qiang		DATE:	2019.10.25		TITLE:	3. INTERFACE2
CHECKED:			DATE:			REV:	V1.0.0
		SIZE:	A2		SHEET: 3 of 8		PROJECT: ML302参考设计

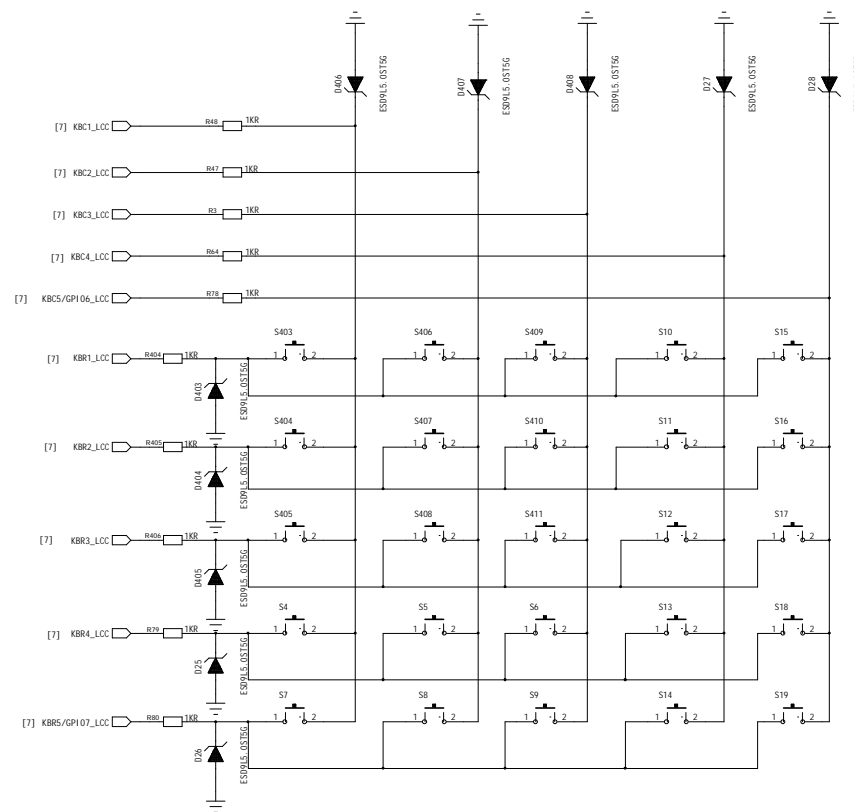
SPEAKER



MIC

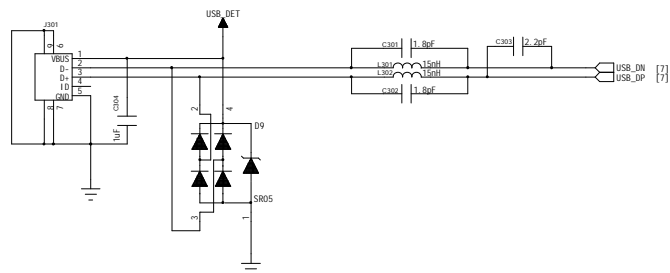


按键矩阵5*5



中移物联网				
DRAWN: Fu Qiang	DATED: 2019.10.25	TITLE: 4. INTERFACES	PROJECT: ML302参考设计	
CHECKED:	DATED:	SIZE: A2	REV: V1.0.0	SHEET: 4 OF 8

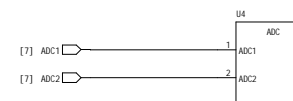
USB



备注：

- 1.USB枚举端口必须接USB_DET
- 2.USB_DET电压为5V

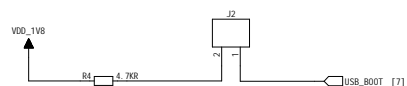
ADC



备注：

- 1.ADC有效范围0~1.8V

USB强制下载

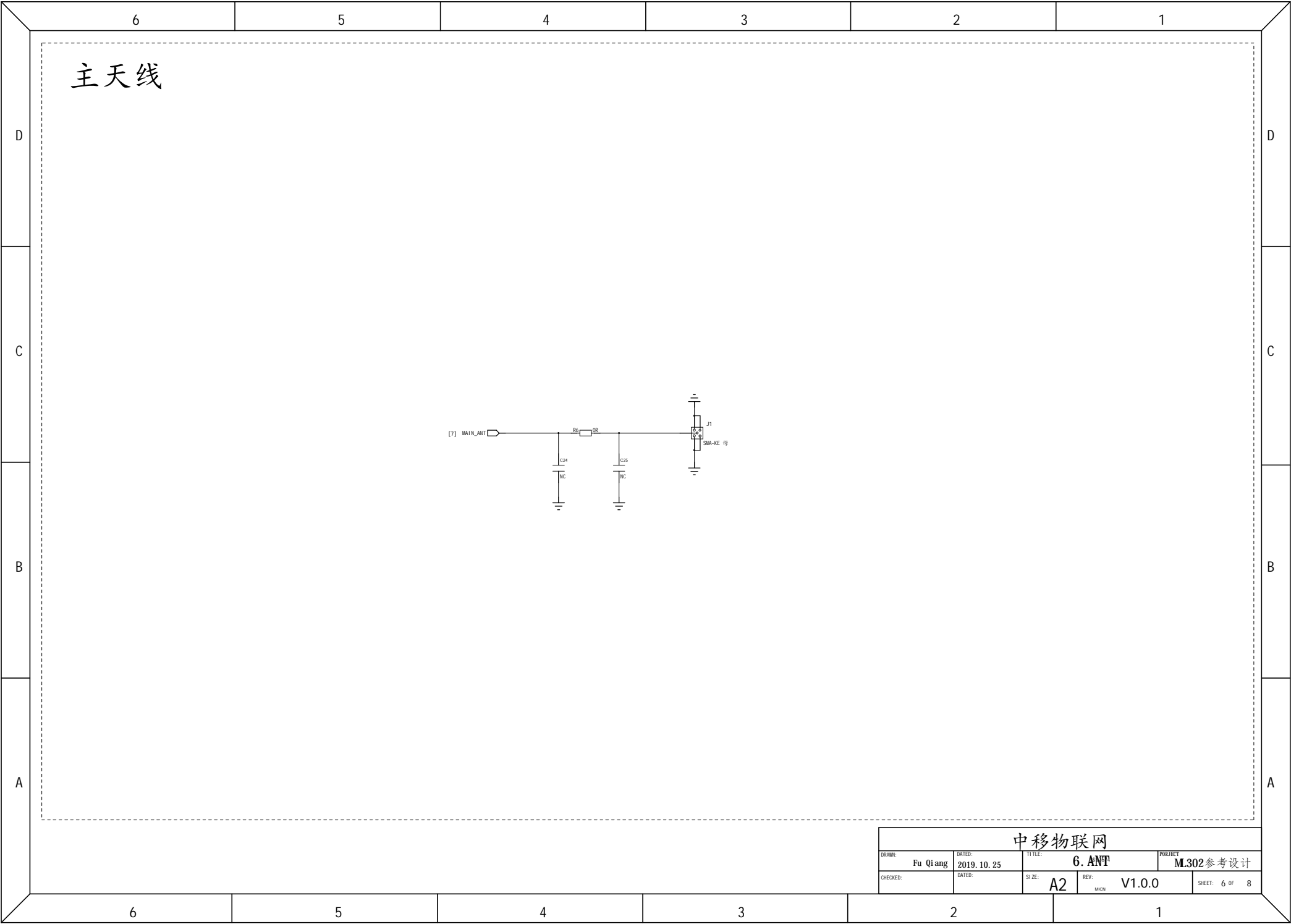


备注：

- 1.强烈建议客户预留USB_BOOT设计。
- 2.USB_BOOT默认悬空，当位于高电平时，强制模块进入下载模式。

TBD

中移物联网				
DRAWN: Fu Qiang	DATED: 2019. 10. 25	TITLE: 5. INTERFACE4		PROJECT: M302参考设计
CHECKED:	DATED:	SIZE: A2	REV: V1.0.0	SHEET: 5 of 8



中移物联网					
DRAWN: Fu Qiang	DATED: 2019.10.25	TITLE: 6. ANT		PROJECT: ML302参考设计	
CHECKED:	DATED:	SIZE: A2	REV: MICN V1.0.0	SHEET: 6 OF 8	

A



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A

版本	修订记录	作者	时间
V001	新建	杨恒	2019.12.13

6

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中移物联网

DRAWN: Fu Qiang

DATED: 2019.10.25

CHECKED:

TITLE: 8. CHANGENOTE

SIZE: A2

PROJECT: M302参考设计

REV: V1.0.0

SHEET: 8 of 8