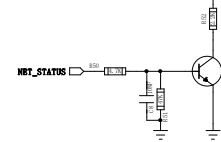


REV ELSION RECORD			
LSN	REV NO	APPROVED	DATE

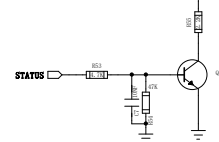
## 网络指示灯

短亮(0.2秒)长灭(1.8秒), 拨网注册中;  
长亮(1.8秒)短灭(0.2秒), 联网待机中;  
快亮(0.1秒)快灭(0.1秒), 数据传输中;



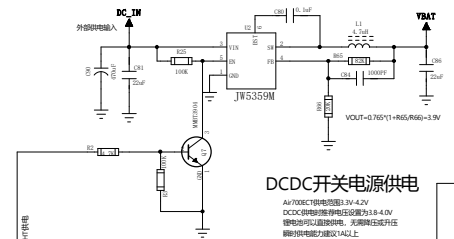
## 运行状态指示灯

开机400ms后输出高电平



## DCDC开关电源供电

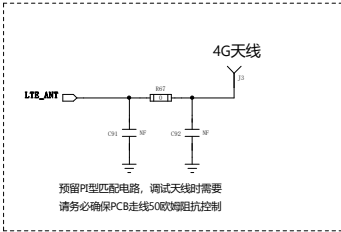
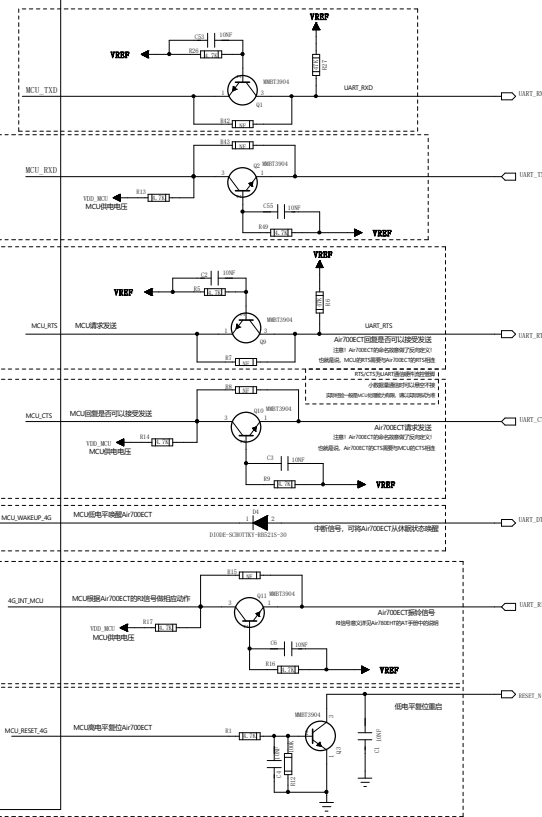
Air700ECT供电3.3V-4.2V  
DCDC的输入电压设置为3.3-4.0V  
输出为3.3V, 100mA, 无负载时输出电压  
瞬态响应能力1A/2.5s



## 主控MCU

当MCU的IO电压为1.8V时,  
Air700ECT的IO电平设置为1.8V( PIN27IO\_Volt\_Set 悬空), 串口或其它IO可以直连;  
当MCU的IO电压为2.8V/3.3V时,  
Air700ECT的IO电平设置为3.3V( PIN27IO\_Volt\_Set接地), 串口或其它IO可以直连;  
当MCU的IO电压为5V或其它电平时,  
串口或其它IO就要像本参考设计一样做电平转换, 不可以直连;

MCU通过Air700ECT开关机

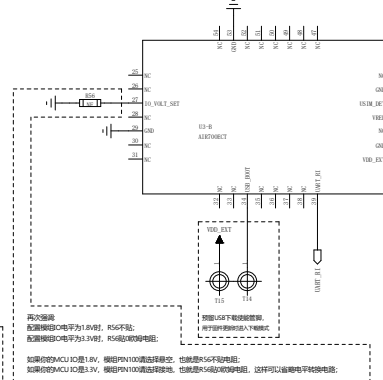


预留PI型匹配电路, 调试天线时需要  
请务必确保PCB走线50欧姆阻抗控制

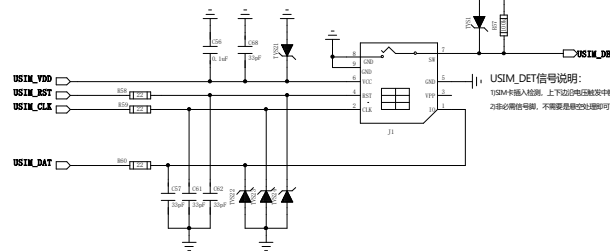
## Air700ECT参考设计

www.air700ect.cn

docs.openLuat.com



## SIM卡参考设计



USIM\_DET信号说明:  
1:SIM卡插入检测, 上下拉电阻在检测中, 常态高电平;  
2:非必需信号, 不需要接任何处理即可;

COMPANY: 上海合宙			
TITLE: Air700ECT参考设计			
DESIGN: laolu	DATE: 2025-06-30	CORE:	SIZE:
DESIGN: laolu	DATE: 2025-06-30	DESIGNING NO:	REV:
QUALITY CONTROL: laolu	DATE: 2025-06-30	20250827	2
RELEASED: laolu	DATE: 2025-06-30	SCALE: G2	SHEET: 1 of 1