



A

B

C

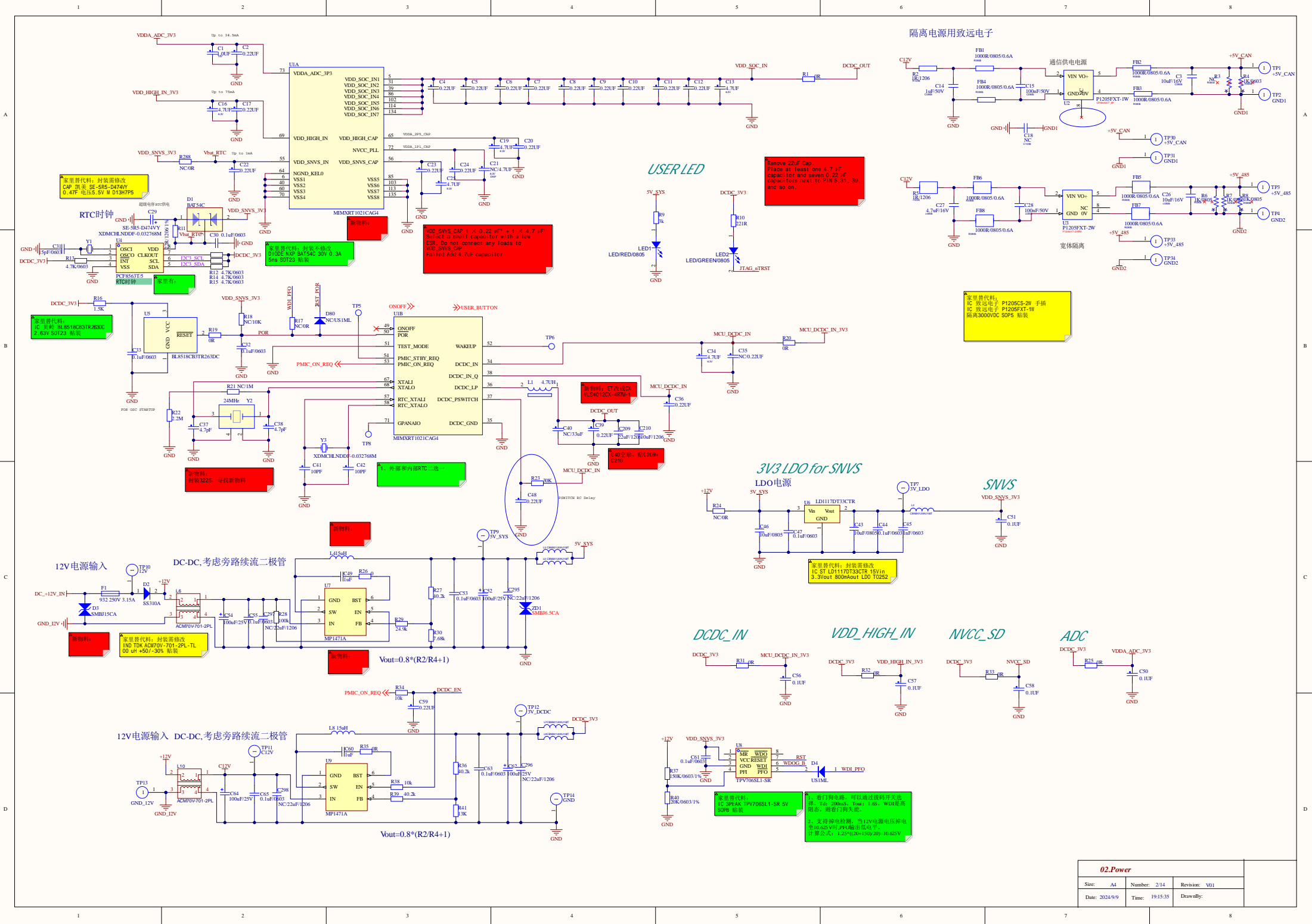
D

A

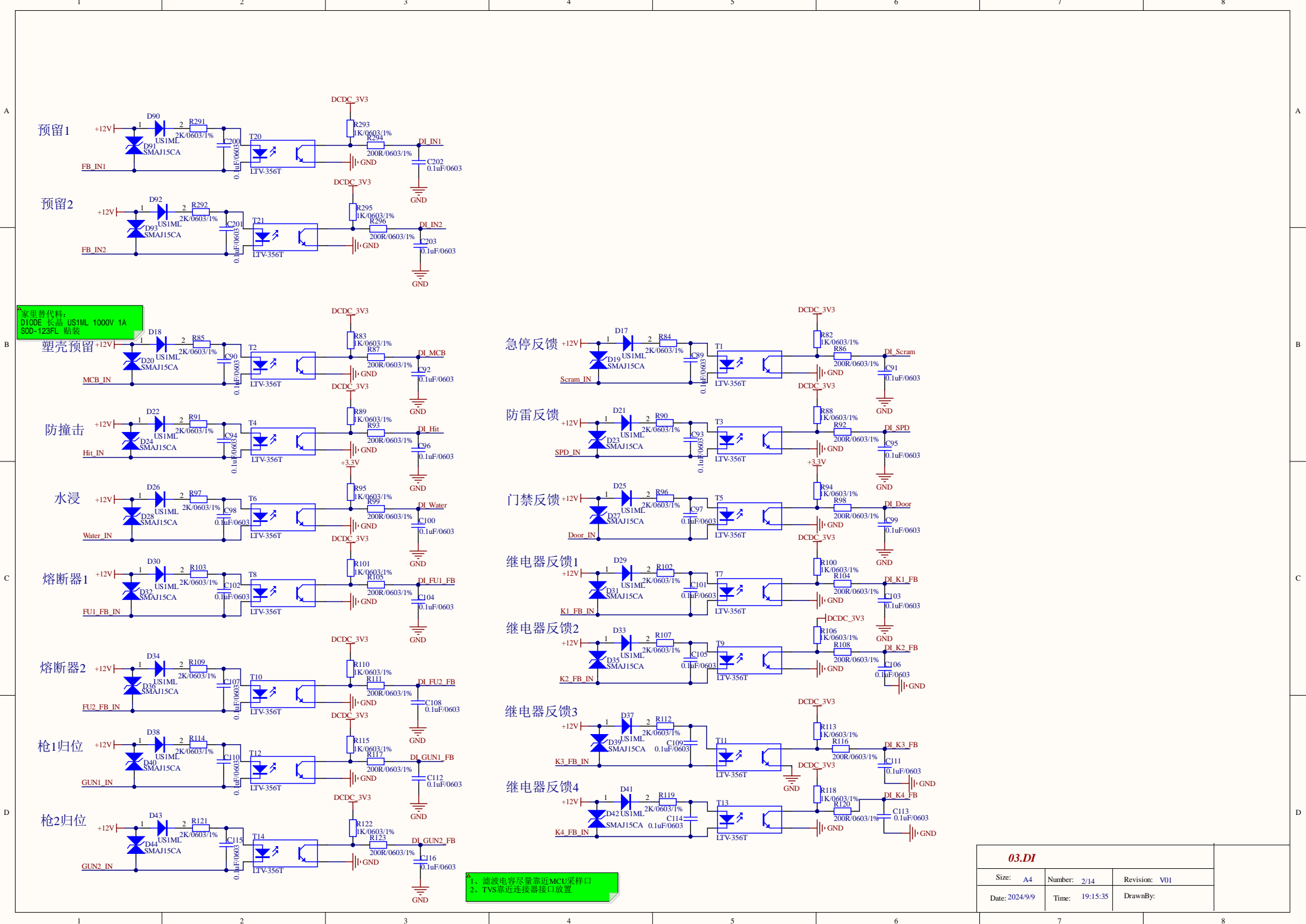
B

C

D







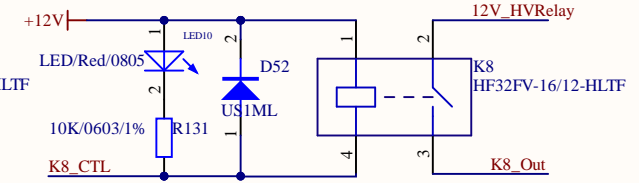
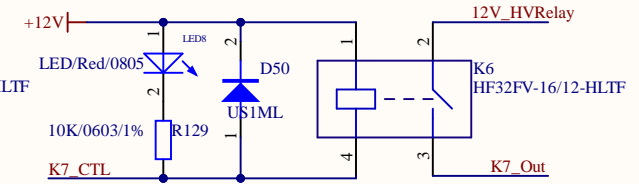
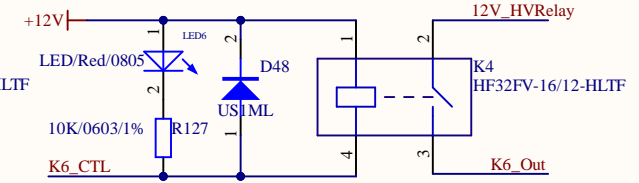
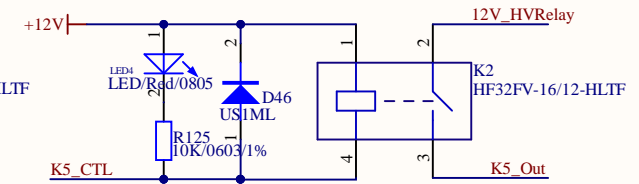
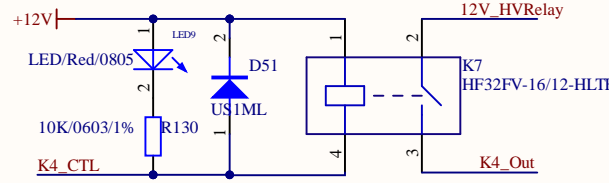
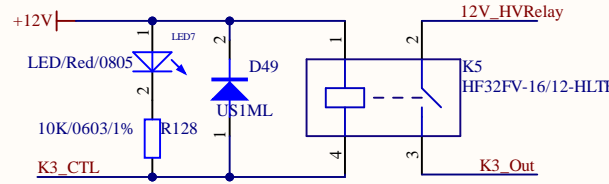
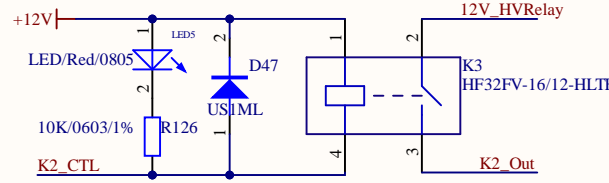
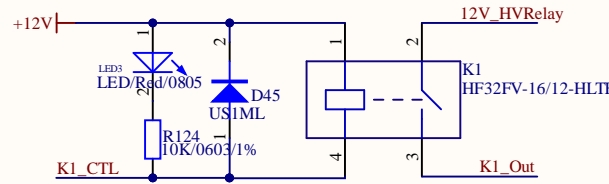
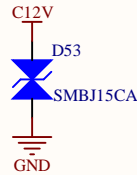
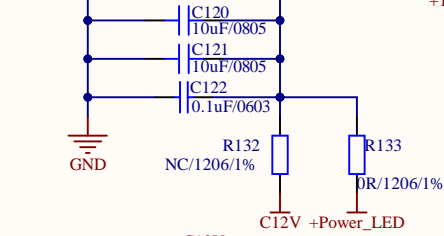
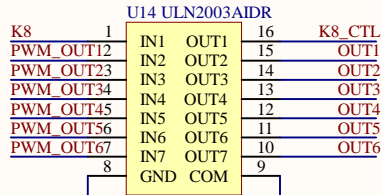
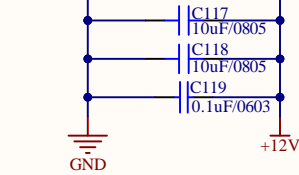
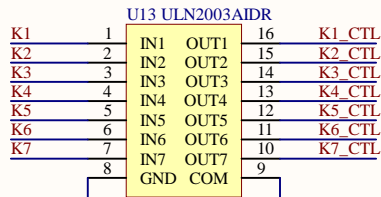
1、滤波电容尽量靠近MCU采样口  
2、TVS靠近连接器接口放置

03.DI		
Size: A4	Number: 2/14	Revision: V01
Date: 2024/9/9	Time: 19:15:35	DrawnBy:

主回路继电器\*4、预充控制\*2

新物料:

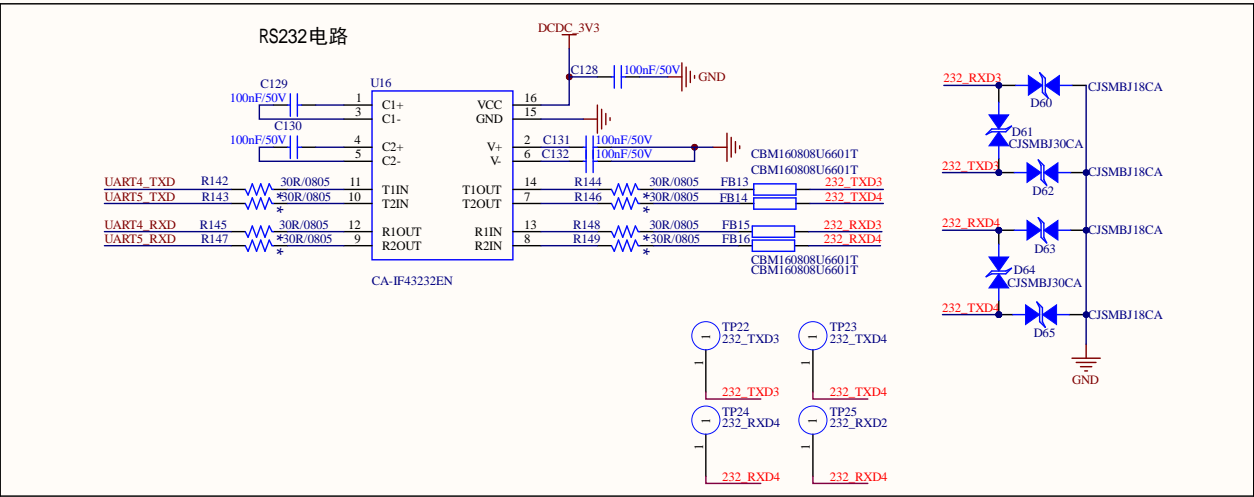
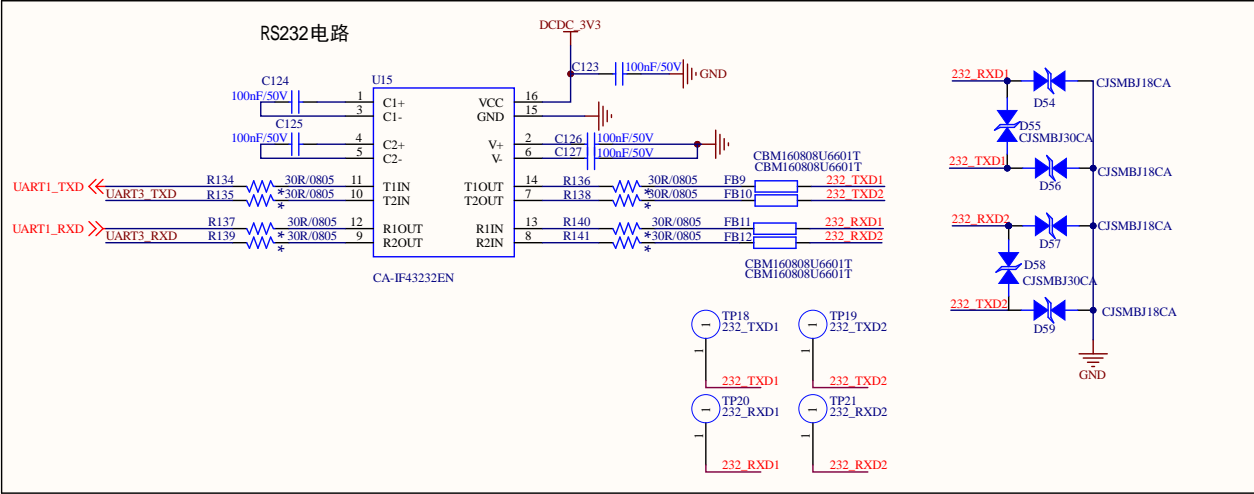
指示灯\*6



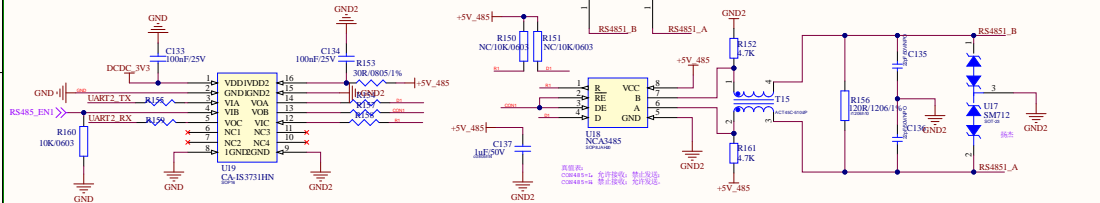
家里替代料: 封装需修改  
RY 宏发 HF32FV-16/12-HLTF  
12V DC 4000V 16A 机插

04.D0

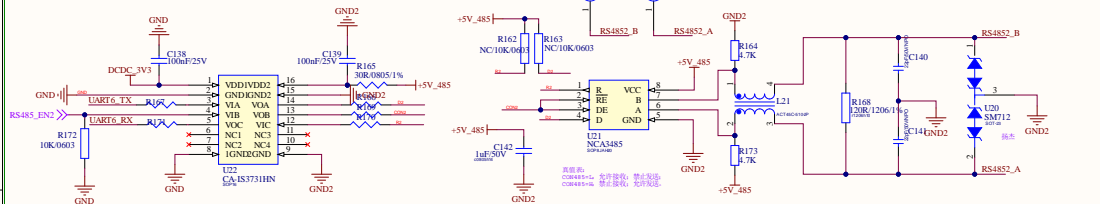
Size: A4	Number: 4/14	Revision: V01
Date: 2024/9/9	Time: 19:15:36	DrawnBy:



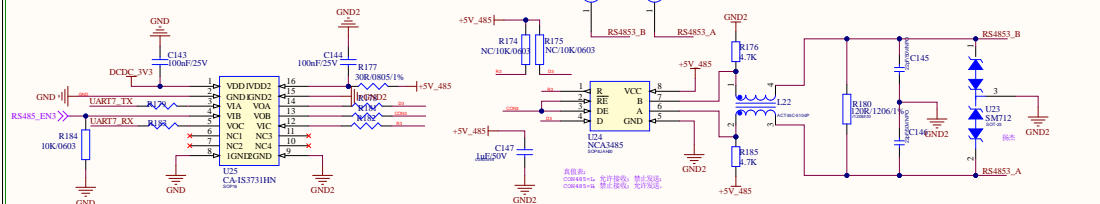
## 485接口-调试



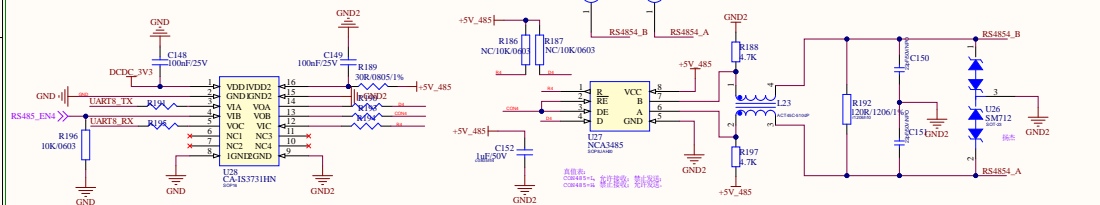
## 485接口-串口屏



## 485接口-绝缘监测



## 485接口-电表

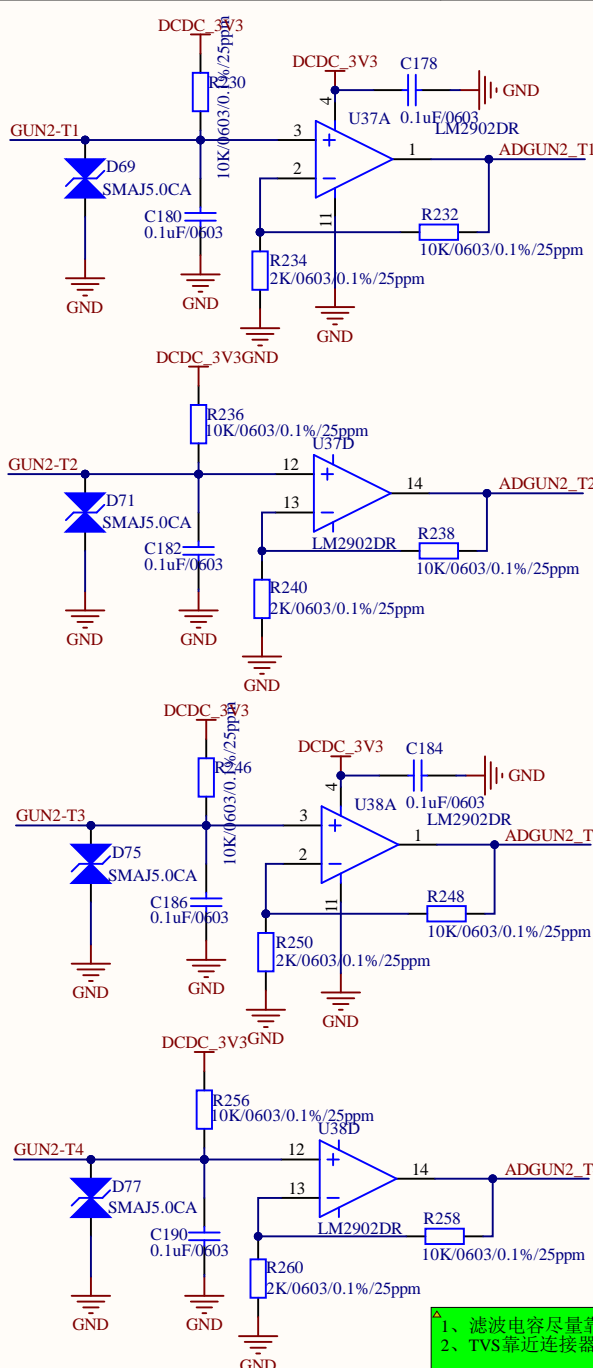
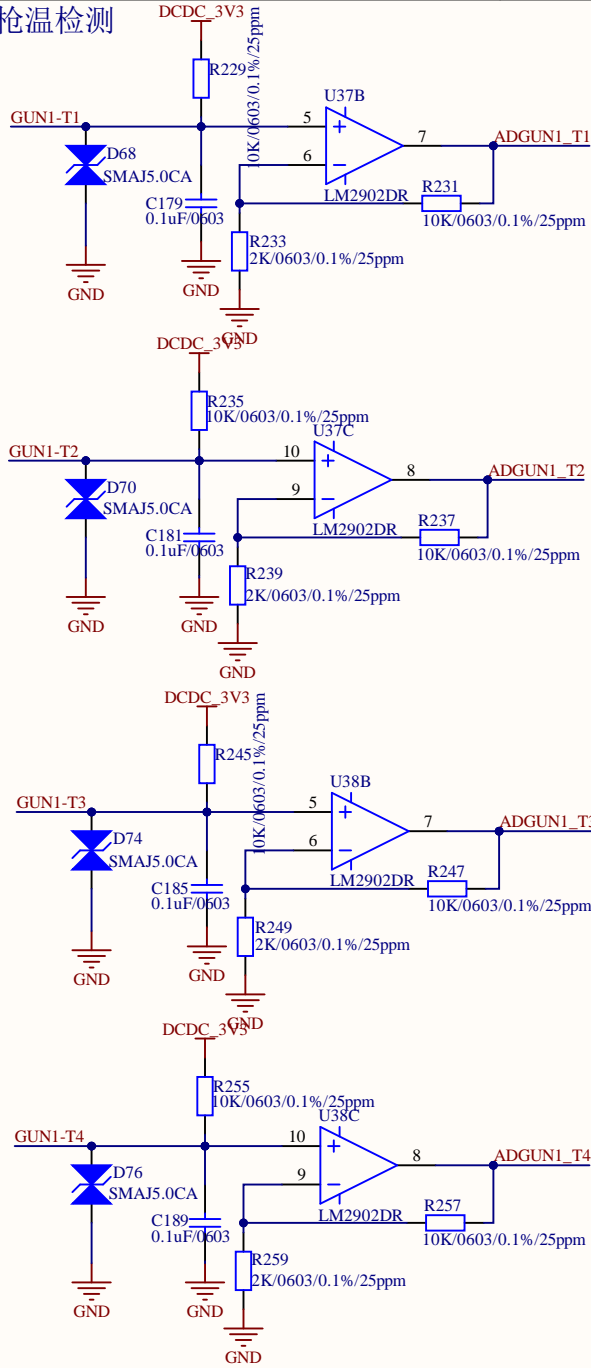




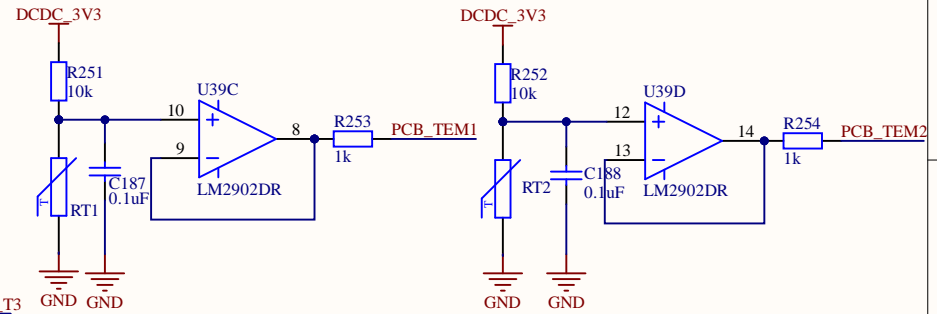




# 枪温检测



# 主板温度检测

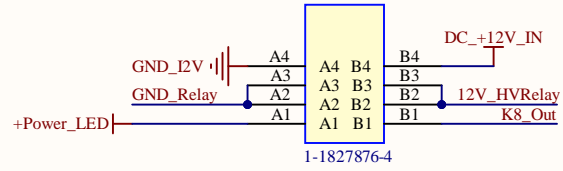


## 10. ADC

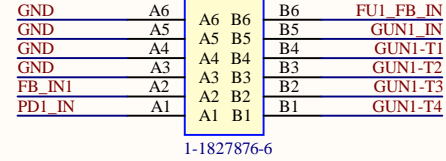
Size: A4	Number: 14/14	Revision: V01
Date: 2024/9/9	Time: 19:15:36	DrawnBy:

- 1、滤波电容尽量靠近MCU采样口
- 2、TVS靠近连接器接口放置

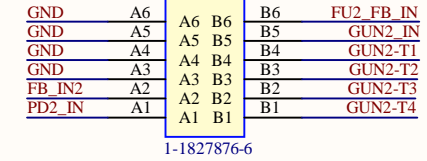
12V电源输入



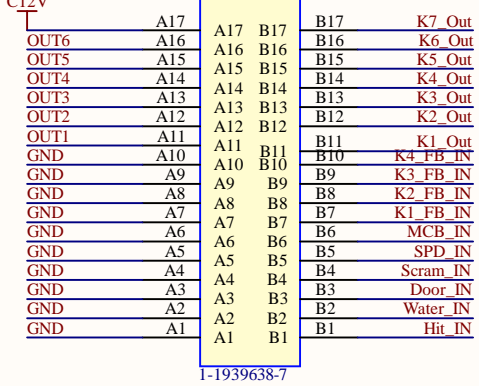
A枪相关



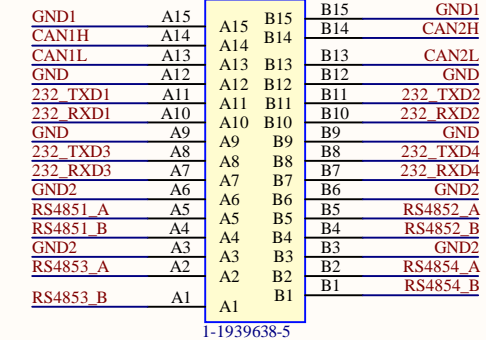
B枪相关



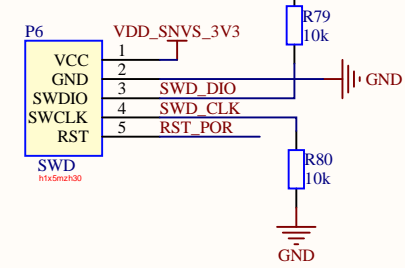
DO&DI



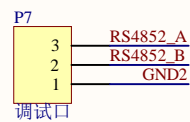
232&485&CAN



下载程序口

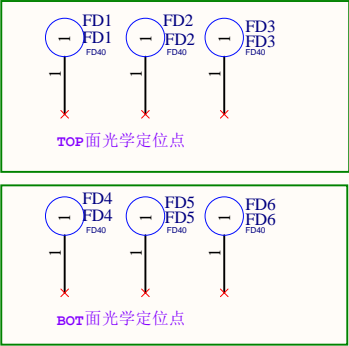
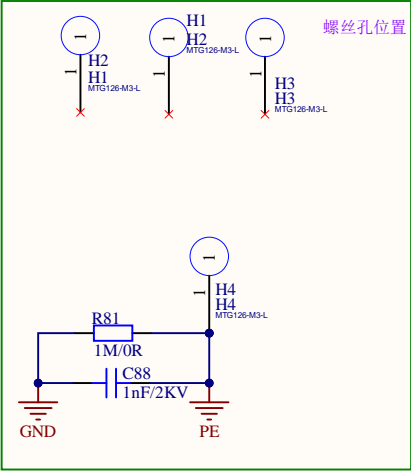
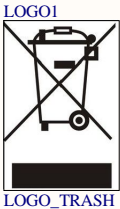


调试口



11 Connect

Size: A4	Number: 4/14	Revision: V01
Date: 2024/9/9	Time: 19:15:37	DrawnBy:



12 Logo		
Size: A4	Number: 4/14	Revision: V01
Date: 2024/9/9	Time: 19:15:37	DrawnBy: