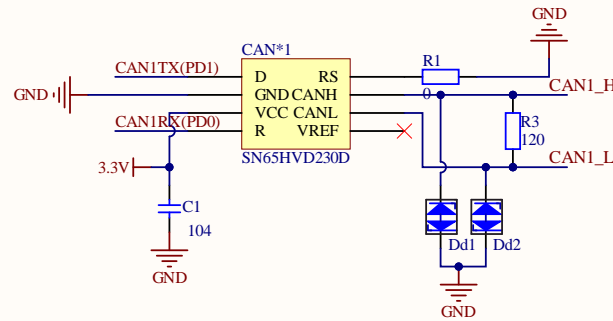
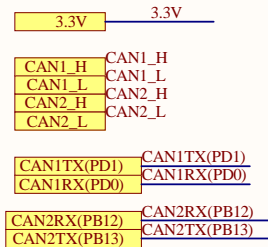
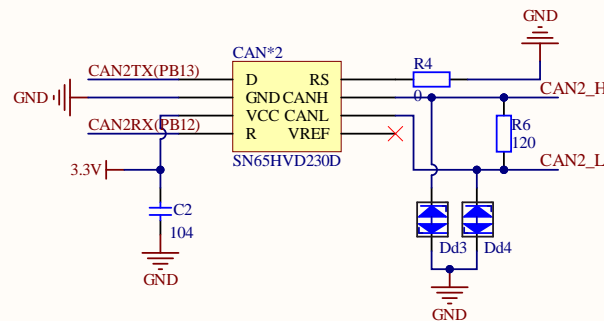
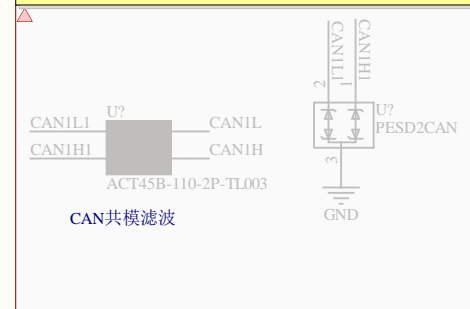



# CAN\*2



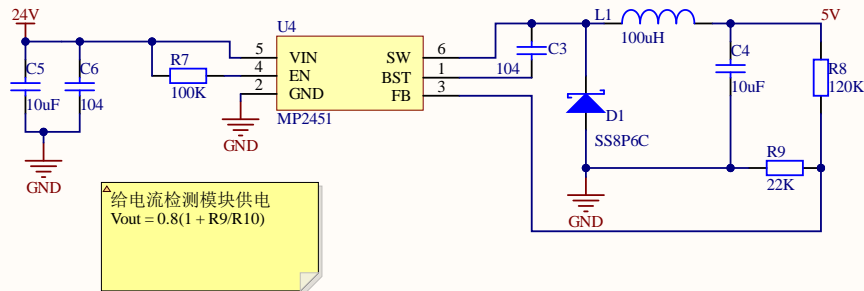
虽然实际上CAN通信，两条信号线之间不仅存在差模干扰，还会存在共模干扰。  
虽然差分干扰可以通过差分走线尽量避免  
但是共模干扰只能通过共模电感去滤波  
结果实验感觉不加也没事，而且官方也没加。待定



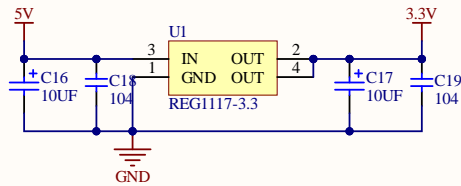
Title			Altium Limited L3, 12a Rodborough Rd Frenchs Forest NSW Australia 2086		
Size: A4	Number:.	Revision:			
Date: 6/23/2022	Time: 16:23:31	Sheet of 6			
File: M:\500_Project\502_RoboMaster\002_ProjectPCB_底盘板优化_202205\CAN3.SchDoc					

# 电源转换模块


24V-5V

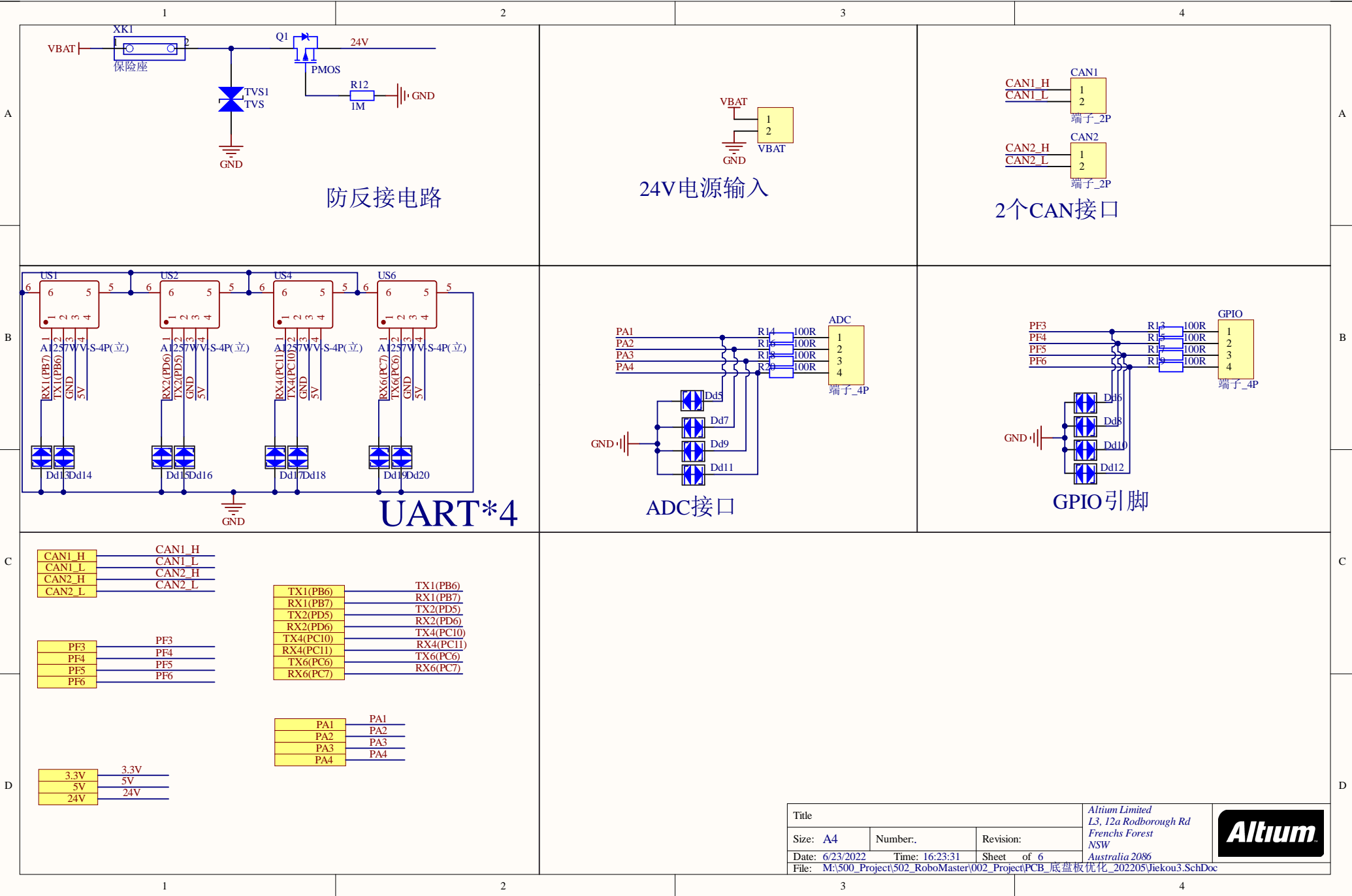


5V-3.3V

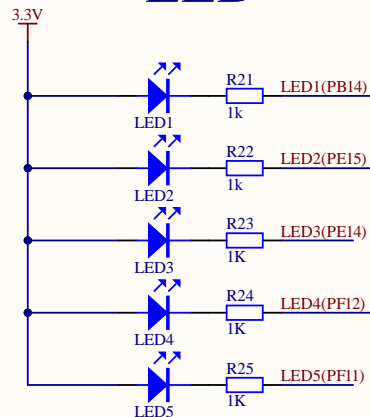


24V	24V
5V	5V
3.3V	3.3V

Title			Altium Limited L3, 12a Rodborough Rd Frenchs Forest NSW Australia 2086	
Size: A4	Number:.	Revision:		
Date: 6/23/2022	Time: 16:23:31	Sheet of 6		
File: M:\500_Project\502_RoboMaster\002_ProjectPCB_底盘板优化_202205\change volat3.SchDoc				



# LED



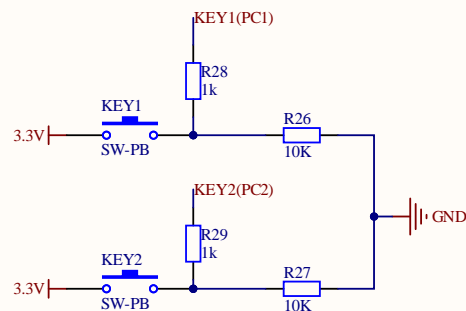
建议LED1和LED5焊一个和其他颜色不同的LED，便于观察

3.3V 3.3V

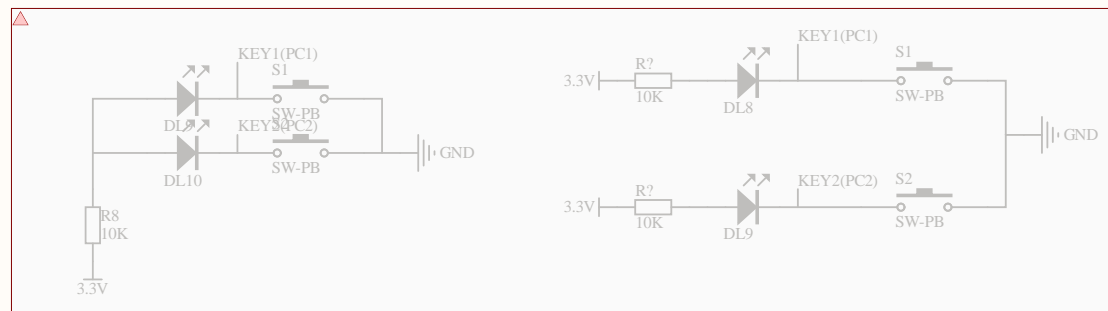
LED1(PB14)  
LED2(PE15)  
LED3(PE14)  
LED4(PF12)  
LED5(PF11)

KEY1(PC1)  
KEY2(PC2)

# 按键



按键按下，检测到高电平



Title			Altium Limited
Size: A4			L3, 12a Rodborough Rd
Number.			Frenchs Forest
Revision:			NSW
Date: 6/23/2022	Time: 16:23:32	Sheet of 6	Australia 2086
File: M:\500_Project\502_RoboMaster\002_ProjectPCB_底盘板优化_202205\LED3.SchDoc			



1

2

3

4

U\_JIEKOU  
Jiekou3.SchDoc

MCU  
MCU3.SchDoc

CAN1\_H  
CAN1\_L  
CAN2\_H  
CAN2\_L

PA1  
PA2  
PA3  
PA4

24V  
5V  
3.3V

TX1(PB6)  
RX1(PB7)  
TX2(PD5)  
RX2(PD6)  
TX4(PC10)  
RX4(PC11)  
TX6(PC6)  
RX6(PC7)

PF3  
PF4  
PF5  
PF6

U\_change volat  
change volat3.SchDoc

24V  
5V  
3.3V

KEY1(PC1)  
KEY2(PC2)  
LED1(PB14)  
LED2(PE15)  
LED3(PE14)  
LED4(PF12)  
LED5(PF11)

U\_LED  
LED3.SchDoc


3.3V  
3.3V

CAN1TX(PD1)  
CAN1RX(PD0)  
CAN2RX(PB12)  
CAN2TX(PB13)

U\_CAN  
CAN3.SchDoc

3.3V  
3.3V

CAN1\_H  
CAN1\_L  
CAN2\_H  
CAN2\_L

Title			Altium Limited L3, 12a Rodborough Rd Frenchs Forest NSW Australia 2086		
Size: A4	Number.:	Revision:			
Date: 6/23/2022	Time: 16:23:32	Sheet of 6			
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1

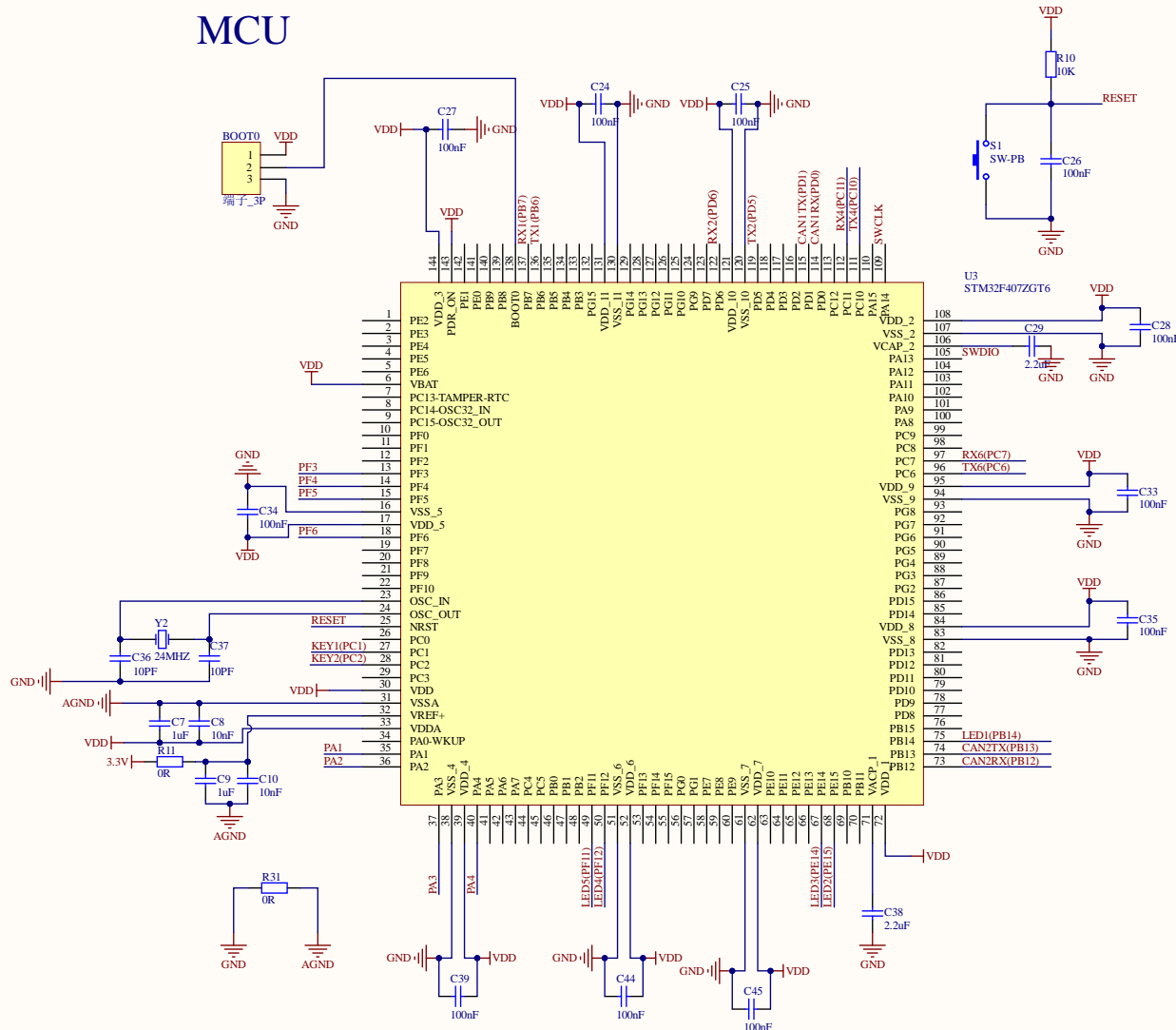
2

3

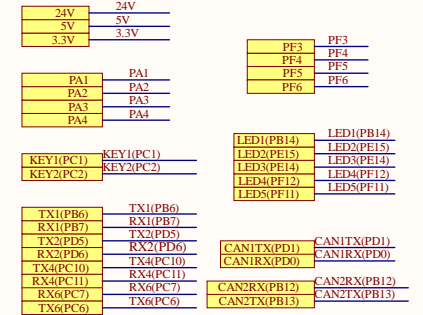
4

## 复位按钮

MCU




The diagram shows a horizontal line representing a circuit trace. On the left, it is labeled '3.3V' in red. On the right, it is labeled 'VDD' in red. A component labeled 'F1' is connected between two points on this line, labeled '1' and '2'. The component is represented by a blue line that dips down in the middle, indicating a fuse. Below the component, the text '自恢复保险丝' (Self-recovery fuse) is written in blue.



SWD 下载口



Title			Altium Limited L3, 12a Rodborough Rd Frenchs Forest NSW Australia 2086			
Size: A4	Number: .	Revision:				
Date: 6/23/2022	Time: 16:23:32	Sheet of 6				
File: M:\500 Project\502_RoboMaster\002_ProjectPCB_底盘板优化_202205\MCU3_SchDoc						

