

信号输入

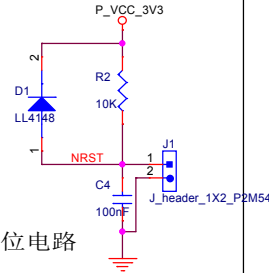
UART2_RX>>UART2_RX
UART3_RX>>UART3_RX

LINE_FB1_IN1>>LINE_FB1_IN1
LINE_FB1_IN2>>LINE_FB1_IN2
LINE_FB1_IN3>>LINE_FB1_IN3
LINE_FB1_IN4>>LINE_FB1_IN4
LINE_FB1_IN5>>LINE_FB1_IN5
LINE_FB1_IN6>>LINE_FB1_IN6
LINE_FB1_IN7>>LINE_FB1_IN7
LINE_FB1_IN8>>LINE_FB1_IN8
LINE_FB1_IN9>>LINE_FB1_IN9
LINE_FB1_IN10>>LINE_FB1_IN10

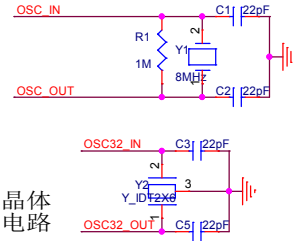
1R MOTOR_1R>>1R MOTOR_1R

CPU_BakeUp1>>CPU_BakeUp1
CPU_BakeUp2>>CPU_BakeUp2
CPU_PUT_Thing>>CPU_PUT_Thing
CPU_KEY1>>CPU_KEY1
CPU_KEY2>>CPU_KEY2
CPU_KEY3>>CPU_KEY3
CPU_KEY4>>CPU_KEY4
CPU_HALL_SENSE>>CPU_HALL_SENSE

复位电路



晶体电路



信号输出

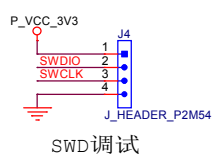
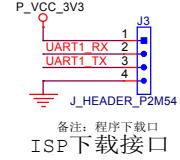
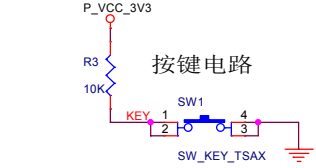
UART2_TX>>UART2_TX
UART3_TX>>UART3_TX

CPU_CTRL_ROW1>>CPU_CTRL_ROW1
CPU_CTRL_ROW2>>CPU_CTRL_ROW2
CPU_CTRL_ROW3>>CPU_CTRL_ROW3
CPU_CTRL_ROW4>>CPU_CTRL_ROW4
CPU_CTRL_ROW5>>CPU_CTRL_ROW5
CPU_CTRL_ROW6>>CPU_CTRL_ROW6
CPU_CTRL_ROW7>>CPU_CTRL_ROW7
CPU_CTRL_ROW8>>CPU_CTRL_ROW8
CPU_CTRL_ROW9>>CPU_CTRL_ROW9
CPU_CTRL_ROW10>>CPU_CTRL_ROW10

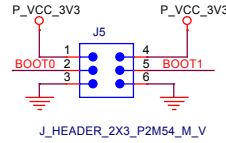
CPU_CTRL_MOTOR1>>CPU_CTRL_MOTOR1
CPU_CTRL_MOTOR2>>CPU_CTRL_MOTOR2
CPU_CTRL_MOTOR3>>CPU_CTRL_MOTOR3
CPU_CTRL_MOTOR4>>CPU_CTRL_MOTOR4
CPU_CTRL_MOTOR5>>CPU_CTRL_MOTOR5
CTRL_MOTOR1_PWM>>CTRL_MOTOR1_PWM

CPU_CTRL_LINE1>>CPU_CTRL_LINE1
CPU_CTRL_LINE2>>CPU_CTRL_LINE2
CPU_CTRL_LINE3>>CPU_CTRL_LINE3
CPU_CTRL_LINE4>>CPU_CTRL_LINE4
CPU_CTRL_LINE5>>CPU_CTRL_LINE5
CPU_CTRL_LINE6>>CPU_CTRL_LINE6
CPU_CTRL_LINE7>>CPU_CTRL_LINE7
CPU_CTRL_LINE8>>CPU_CTRL_LINE8
CPU_CTRL_LINE9>>CPU_CTRL_LINE9
CPU_CTRL_LINE10>>CPU_CTRL_LINE10

按键电路



启动配置电路

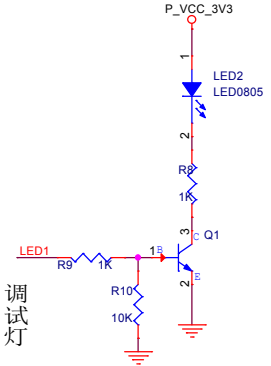


启动方式解释：
Flash：按下复位键程序从头跑
ISP：用于串口下载
SRAM：用于调试

启动配置说明

启动方式	B0	B1
Flash	0	X
ISP	1	0
SRAM	1	1

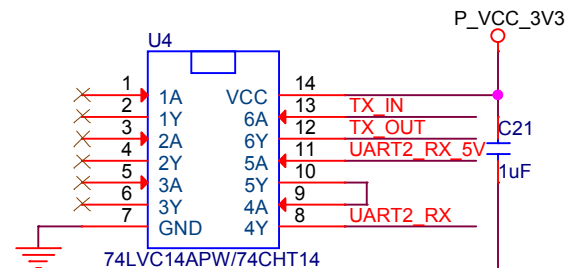
调试灯



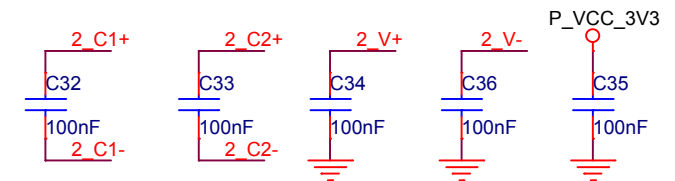
ON 为导通
1：板卡工作模式（OFF高电平为电机驱动；ON低电平为电磁锁驱动板）
2：备用
34：用于地址设置

整件设计文件	产品型号	VMC_Motor_Driver
原理图	硬件版本	0.71
文件编号	<OrgName>	
版次	<OrgAddr1>	页次 1 / 5 日期 20170620
核准	<OrgAddr2>	审核 <OrgAddr3>
ALE	/	编写 叶海鹏

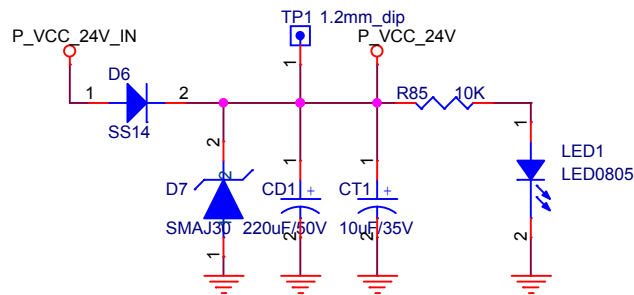
UART3_TX >> UART3_TX



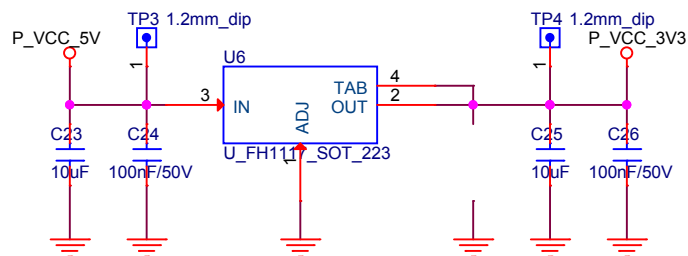
UART3_RX >> UART3_RX



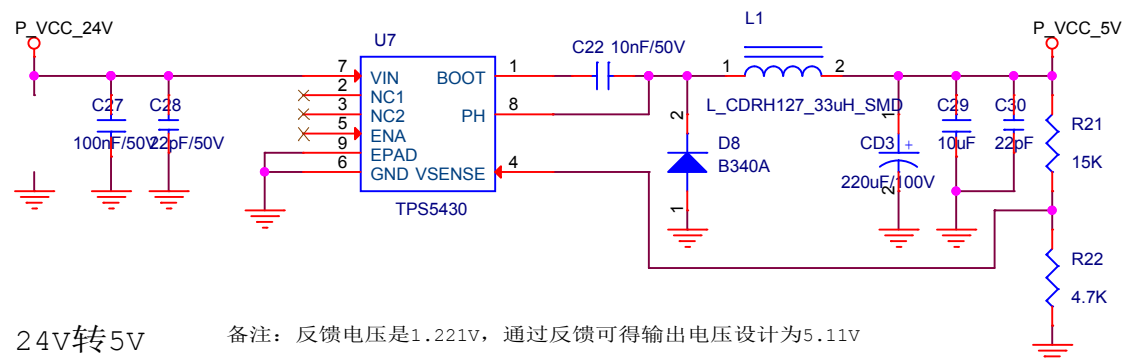
整件设计文件	产品型号	VMC_Motor_Driver			
原理图	硬件版本	0.71			
文件编号	<OrgName>				
版次	<OrgAddr1>	页次	2 / 5	日期	20170620
核准	<OrgAddr2>		审核	<OrgAddr3>	
ALE	/		编写	叶海鹏	



24v输入(防反接，防过压)

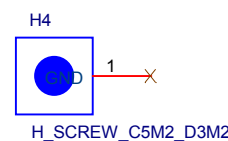
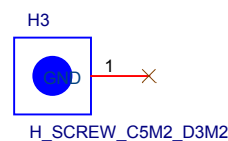
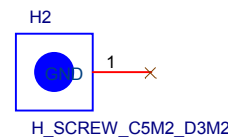
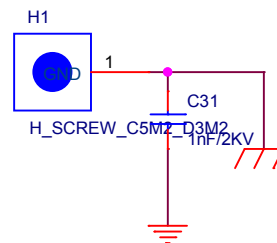
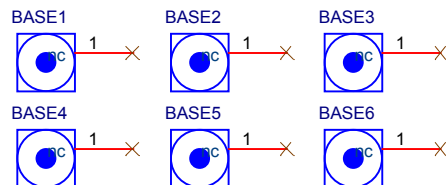
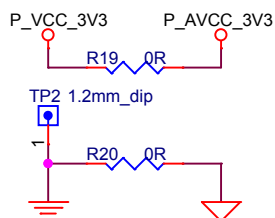


5v转3V3

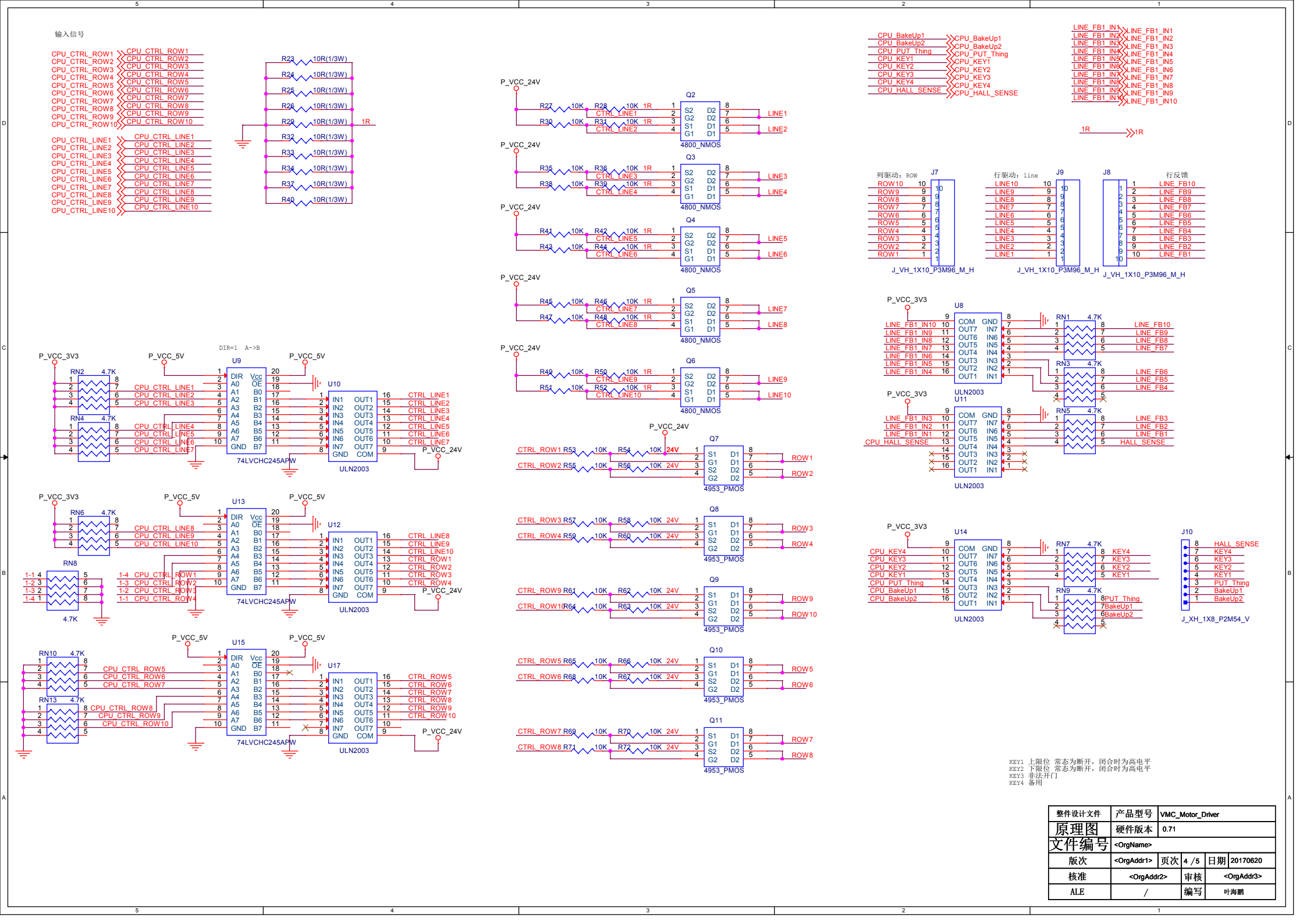


24v转5v

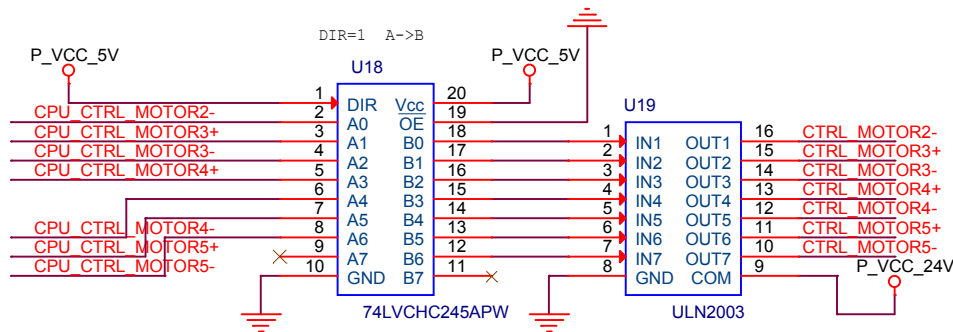
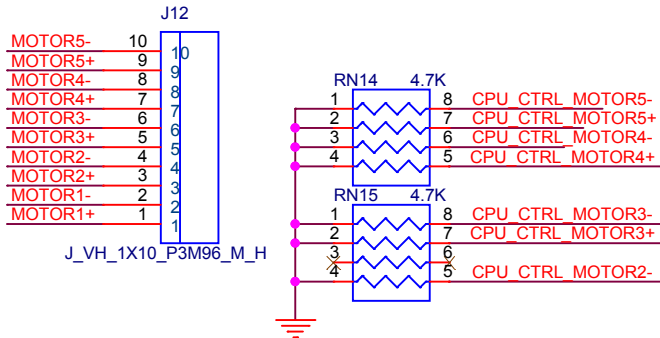
备注：反馈电压是1.221v，通过反馈可得输出电压设计为5.11v



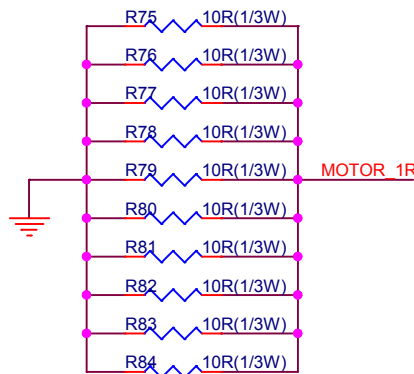
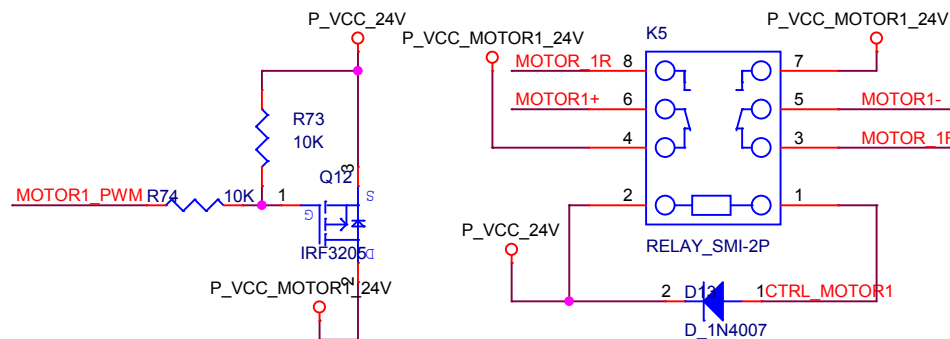
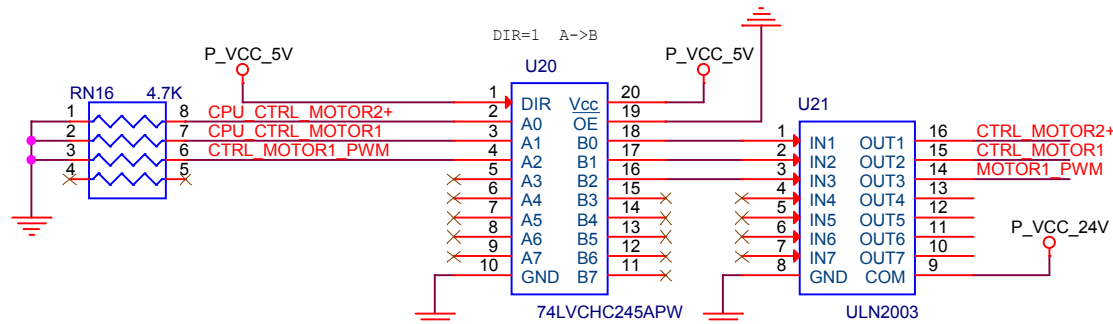
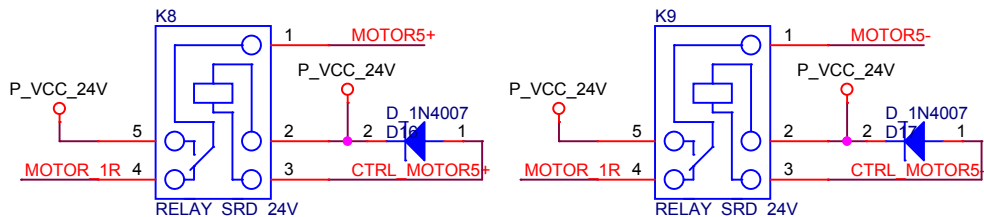
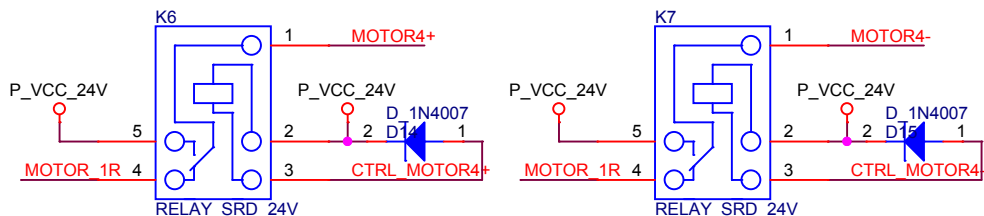
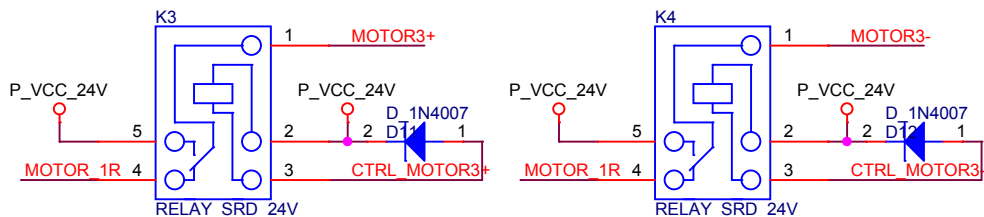
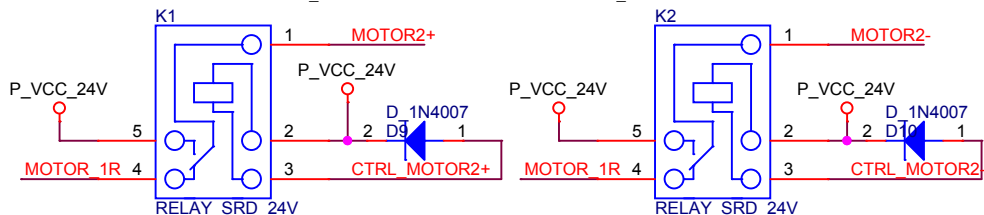
整件设计文件	产品型号	VMC_Motor_Driver			
原理图	硬件版本	0.71			
文件编号	<OrgName>				
版次	<OrgAddr1>	页次	3 / 5	日期	20170620
核准	<OrgAddr2>		审核	<OrgAddr3>	
ALE	/		编写	叶海鹏	



CPU_CTRL_MOTOR1>> CPU_CTRL_MOTOR1
CPU_CTRL_MOTOR2+>> CPU_CTRL_MOTOR2+
CPU_CTRL_MOTOR2->> CPU_CTRL_MOTOR2-
CPU_CTRL_MOTOR3+>> CPU_CTRL_MOTOR3+
CPU_CTRL_MOTOR3->> CPU_CTRL_MOTOR3-
CPU_CTRL_MOTOR4+>> CPU_CTRL_MOTOR4+
CPU_CTRL_MOTOR4->> CPU_CTRL_MOTOR4-
CPU_CTRL_MOTOR5+>> CPU_CTRL_MOTOR5+
CPU_CTRL_MOTOR5->> CPU_CTRL_MOTOR5-
CTRL_MOTOR1_PWM>> CTRL_MOTOR1_PWM



备注:
当CTRL_MOTOR2+给低电平时电机正转, CTRL_MOTOR2-默认为高电平
当CTRL_MOTOR2-给低电平时电机反转, CTRL_MOTOR2+默认为高电平



MOTOR1R>>MOTOR1R

整件设计文件	产品型号	VMC_Motor_Driver			
原理图	硬件版本	0.71			
文件编号	<OrgName>				
版次	<OrgAddr1>	页次	5 / 5	日期	20170620
核准	<OrgAddr2>		审核	<OrgAddr3>	
ALE	/		编写	叶海鹏	