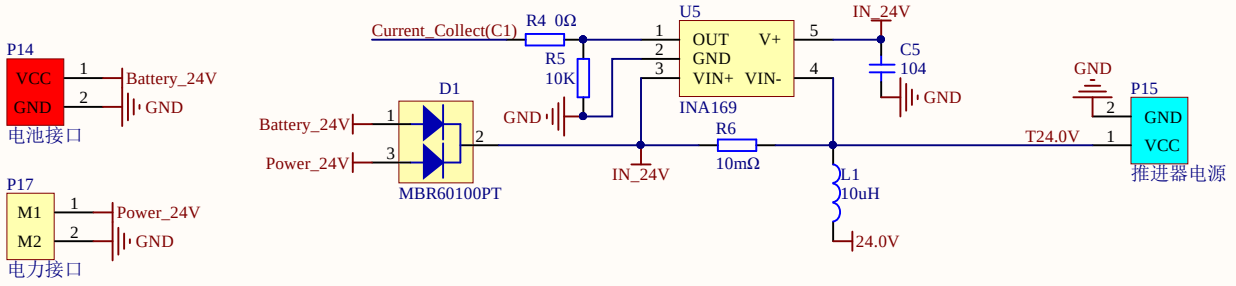
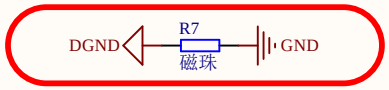
电流采集及电源接口



当用电池供电时，**ROV**可以连接电力信号端子进行信号控制传输，电池用来供电

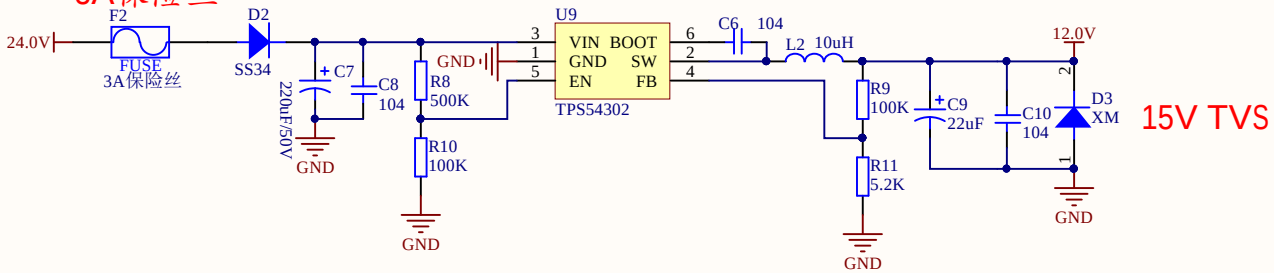


数字地、功率地隔离

二极管用来防止电机反转的电流倒灌
IN_24V 为电源的总输入
24.0V 为经过电流采集后的电源

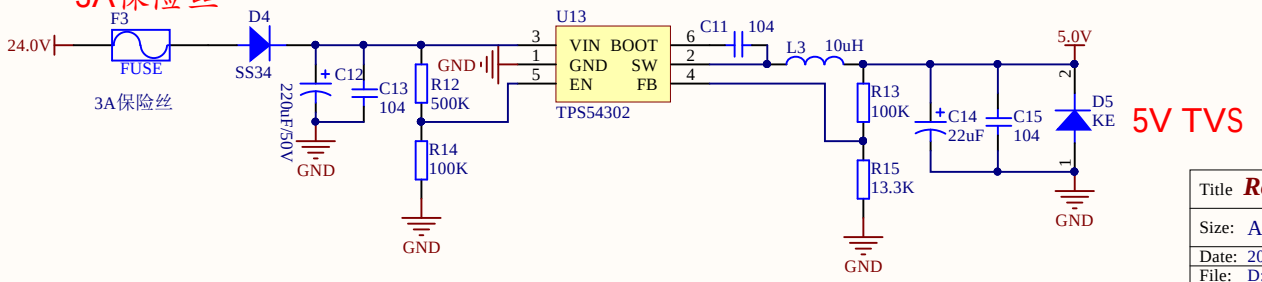
12V稳压

3A保险丝



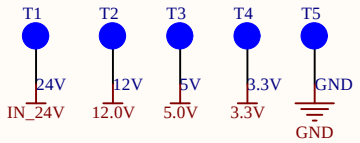
5V稳压

3A保险丝



· **4.5-V to 28-V Wide Input Voltage Range**
· **Integrated 85-mΩ and 40-mΩ MOSFETs for 3-A,Continuous Output Current**
· **Fixed Frequency Operation : 400kHz**

测试点



P16
7/8位一体接线端子排
7位一体接线端子排

P18
7/8位一体接线端子排
7位一体接线端子排

U6 电调 电调外框
U7 电调 电调外框
U8 电调 电调外框
U10 电调 电调外框
U11 电调 电调外框
U12 电调 电调外框

COMMENTS:
绿色字体为技术参数
红色字体为功能说明
蓝色字体为模块名称

Title	***Robot-Power***		* *ROV/AUV V2.0* 淹死的鱼 *
Size: A4	Number:P1	Revision:*	
Date: 2019/7/4	Time: 0:51:27	Sheet2 of *	
File: D:\My\Github\Underwater_Vehicle\hardware\Robot Main Board V3.0\Robot-Power V3.0.SchDoc			

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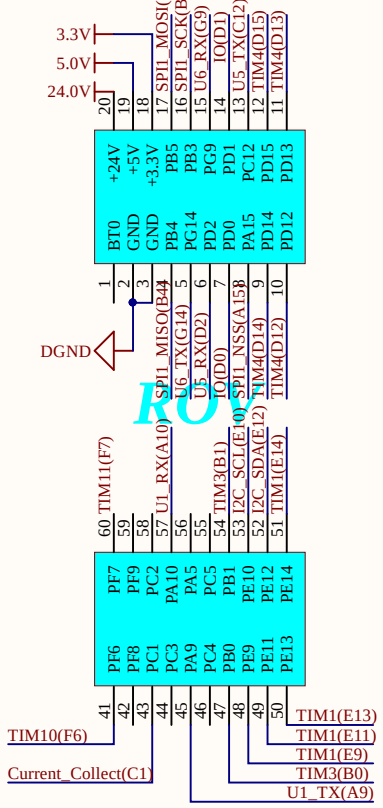
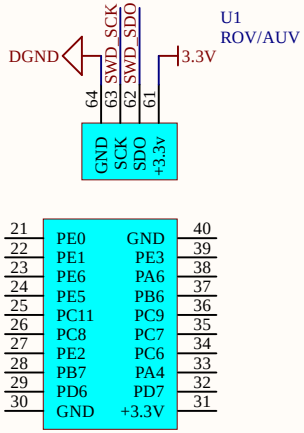
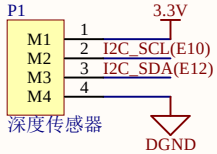
航控

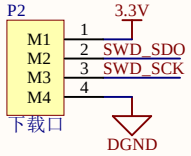




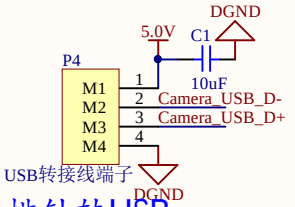
深度传感器

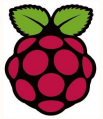


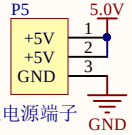
SWD下载接口



外置摄像头接口

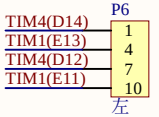


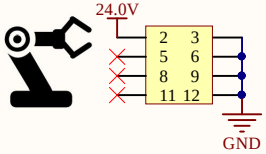




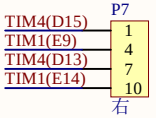
PWM类

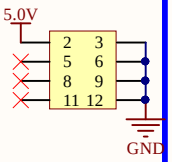
机械臂(D14)
左上(E13)
左中(D12)
左下(E11)



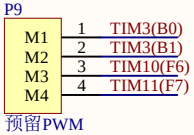


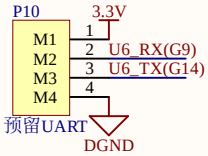
云台(D15)
右上(E9)
右中(D13)
右下(E14)

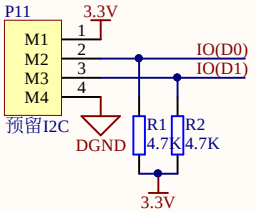


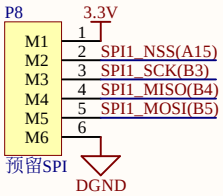


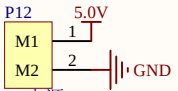
预留接口

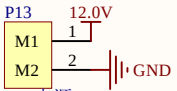




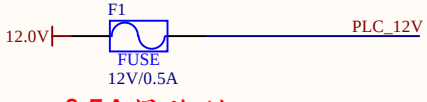








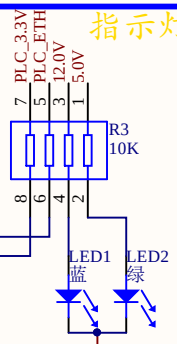
电力载波

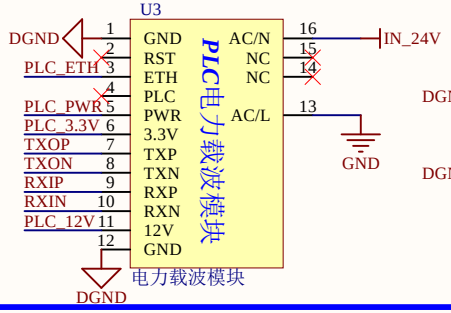


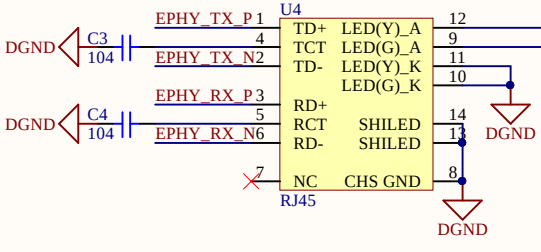
0.5A保险丝

差分布线

指示灯







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5
ROV/AUV
V1.0
淹死的鱼
12

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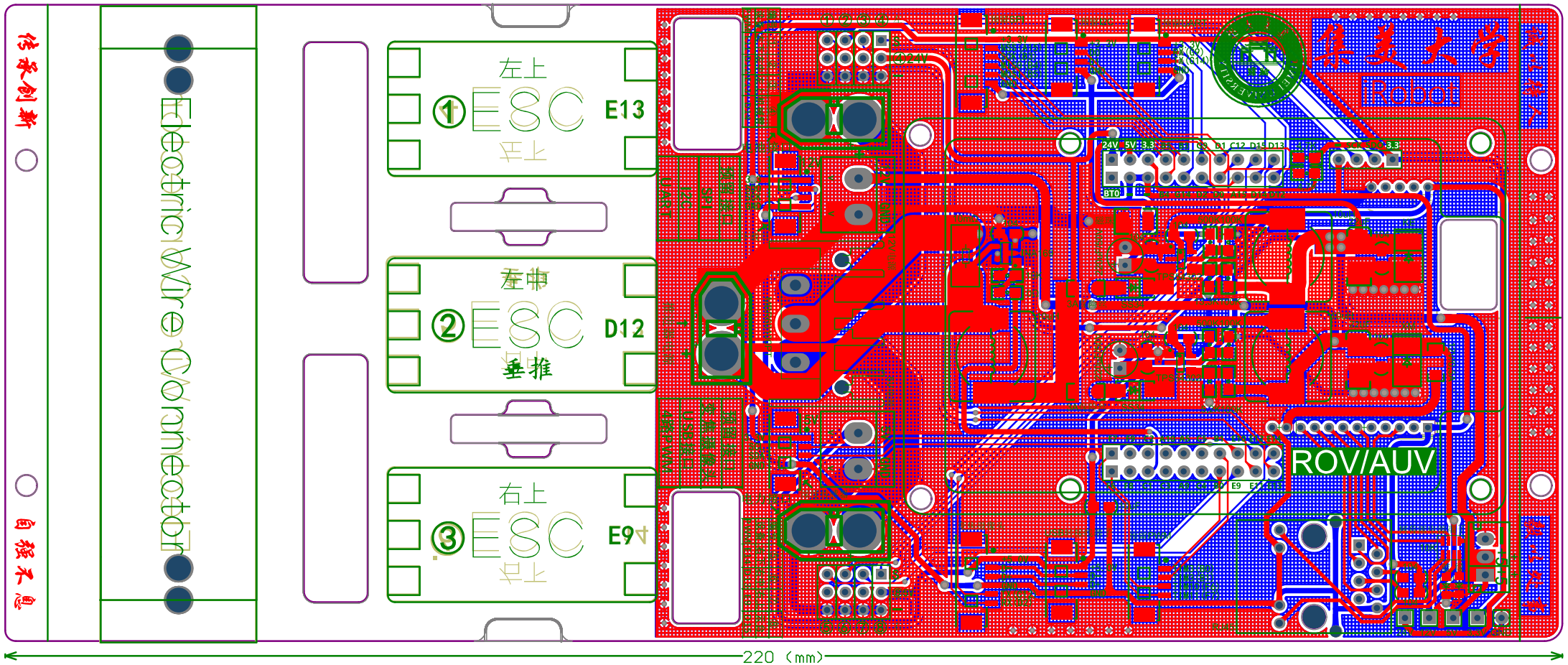
92（mm）
90（mm）
220（mm）
Electric Wire Connector
左上
①ESC
E13
左中
②ESC
D12
垂推
右上
③ESC
E9
ROV/AUV