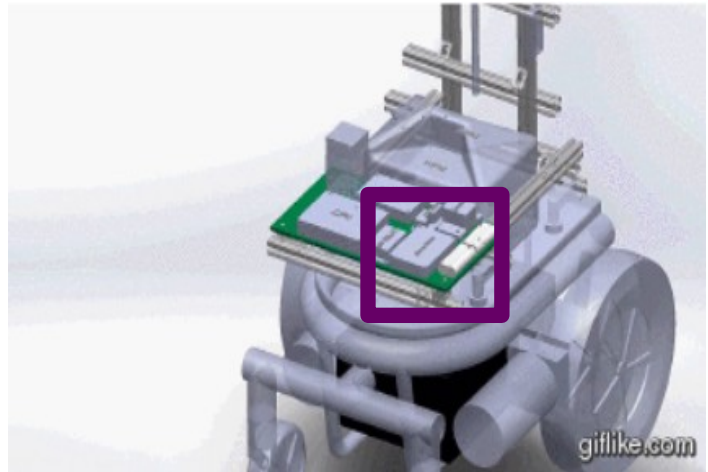
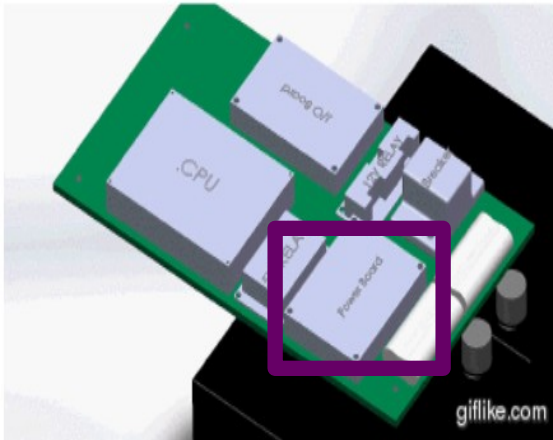


Team B FielDroid Power Distribution Board



Power distribution board position on the robot

All the parts are listed as per the requirement in the .txt file in the TeamB_PDLayout folder.

Power Distribution Board component Links

Molex-Connectors:

<http://www.newark.com/molex/22-05-3021/wire-board-connector-header-2pos/dp/55H9580?CMP=KNC-GPLA>

DC-DC converter

1. 14.8-5V
http://www.newark.com/tdk-lambda/pxd1024ws05/dc-dc-conv-iso-pol-1-o-p-10w-2a/dp/26M8306?CMP=KNC-GUSA-GEN-KWL-TDK_LAMBDA&gclid=CjwKEAjwoMKiBRDHwoaQ0dzn0UwSJAAUk5JiH5DvNLAaXb_JlOvYvMxJbuhhSIaFCwKCW8lFiqySsxoCfWHw_wcB

2. 14.8-12V
<http://us.tdk-lambda.com/lp/products/px-series.htm>

Battery:

<http://www.all-battery.com/li-ion1865074v6600mahrechargeablebatterymodulewithpcb.aspx>

Radio:

<https://store.3drobotics.com/products/3dr-radio>

Pump:

http://www.go2marine.com/item/84185/whale-gulper-220-general-purpose-waste-pump-3-7-gpm-bp1552.html?WT.srch=1&WT.mc_id=gb1&utm_source=googlebase&utm_medium=productfeed&utm_campaign=googleshopping

Relay:

5V relay

<http://www.robotshop.com/en/4-channel-5v-relay-module.html>

12V relay

<http://www.denkovi.com/relay-board-12v-2-channels-for-raspberry-pi-arduino-pic-avr>