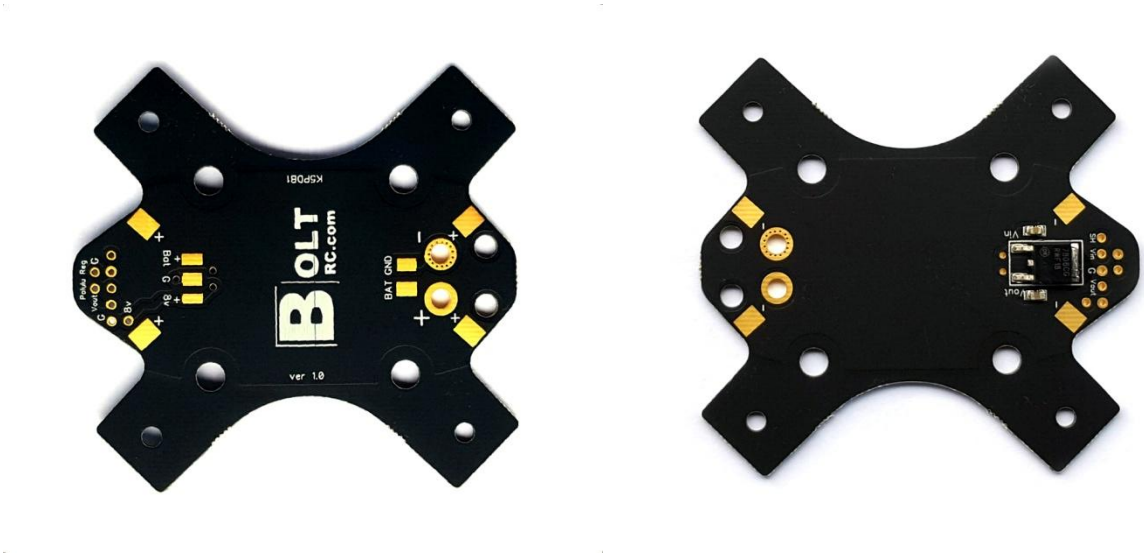
Kraken PDB 1.0



The Kraken PDB 1.0 is made finished with high quality matt black and gold pads. They PCB material is ROHS compliant.

It is made from 2oz copper with the negative layer on the top and positive on the bottom. This separation and wide footprint provides extremely efficient low resistance conductivity.

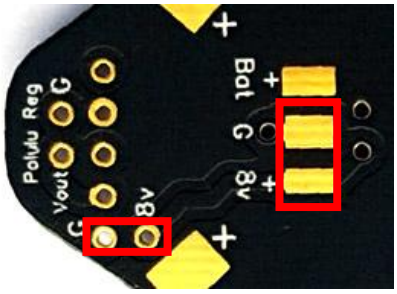
Caution:

Please do install upside down as the solder mask will wear and potentially cause a short. After some period, the solder mask will wear on the bottom and ground your frame. This quite common for all mini quads.

Built In Regulator

The Kraken pdb includes a simple 8V LDO regular. Whilst the chip is rated to 1amp, it will overheat and brown out if you draw more than 300mw. This is enough to provide super clean power to your FPV camera and VTX (200mw). We chose 8V as most VTXs require a min of 6.5v and RX have a max of 10v.

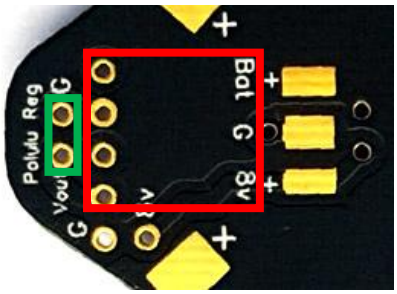
There are two outputs for this regulator. The front can take a 2 pin header allowing you to plug your pod electronics into 8V supply and quickly change your pods in the field.



Polulu Regulator

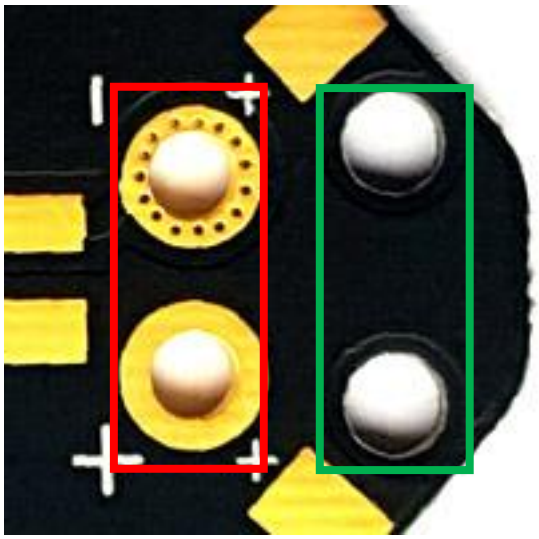
The Kraken pdb includes a daughter board mount for a polulu regulator (reg not supplied). We recommend the 500mw 5v regulator for this application. This is enough to provide power for all of your electronics. This is also the preferred method for the TBS Unify Pro (Non-HV version)

There is one output for this regular, see green square. The output can take a 2 pin header allowing you to unplug your pod electronics from the reg supply and quickly change pods in the field.



Kraken Pigtail

The Kraken is designed to take a very short pigtail, around 10-20mm. The centre of the XT60 should line up roughly with the pod edge. Use a ziptie for strain relief (green).



ESC Wiring

All of the positive power connections are soldered to the top whereas all of the negative connections are soldered to the bottom.

Battery Power

You can tap into battery power on the two pads marked BAT, this is the positive connector.

Inset Nuts

The inset nuts are designed to be super tough to remove. Use a steel hex cap screw from the hardware kit to install the nuts. The screw goes from the bottom and the nut goes on the top. Use a washer or the CF armon the screw to protect the PDB from being gouged/damaged by the screw head.

The nuts are inserted on the top side.