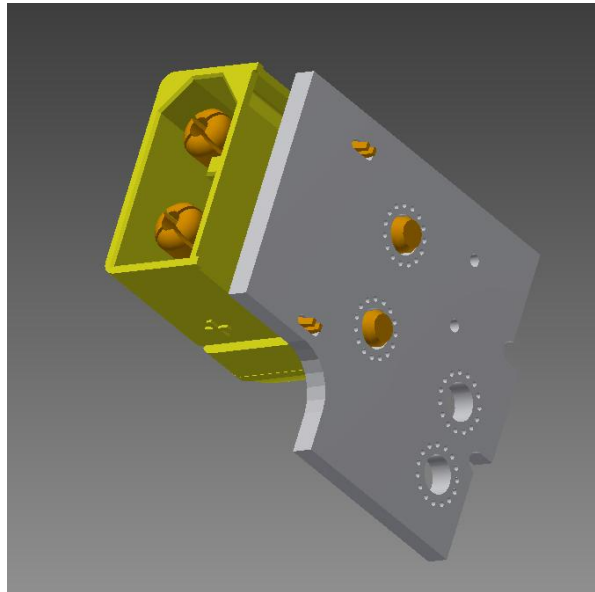


1. Solder XT60PW to Rear PDB

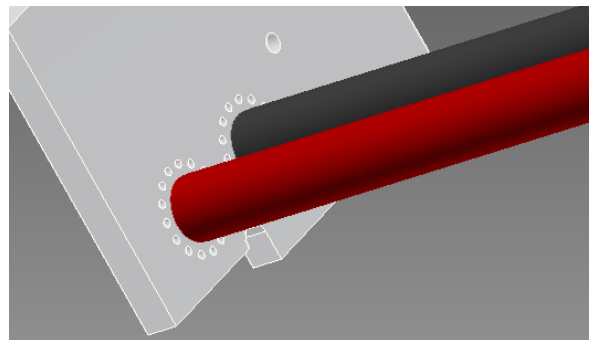
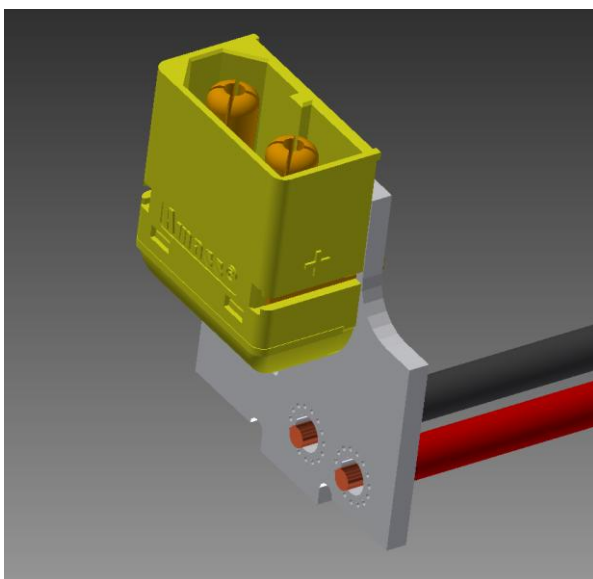
Solder the XT60-PW to the rear PDB. You will need a hot iron to get heat to maintain solder melt. You can join the XT60 with a female connector whilst soldering to help avoid the XT60PW from potential heat damage.

We suggest soldering the two side pins first to firmly secure the XT60 in position. The side pins are floating, neither GND nor positive. The pins can slide in and out, when fully extended they should appear as per the image below.



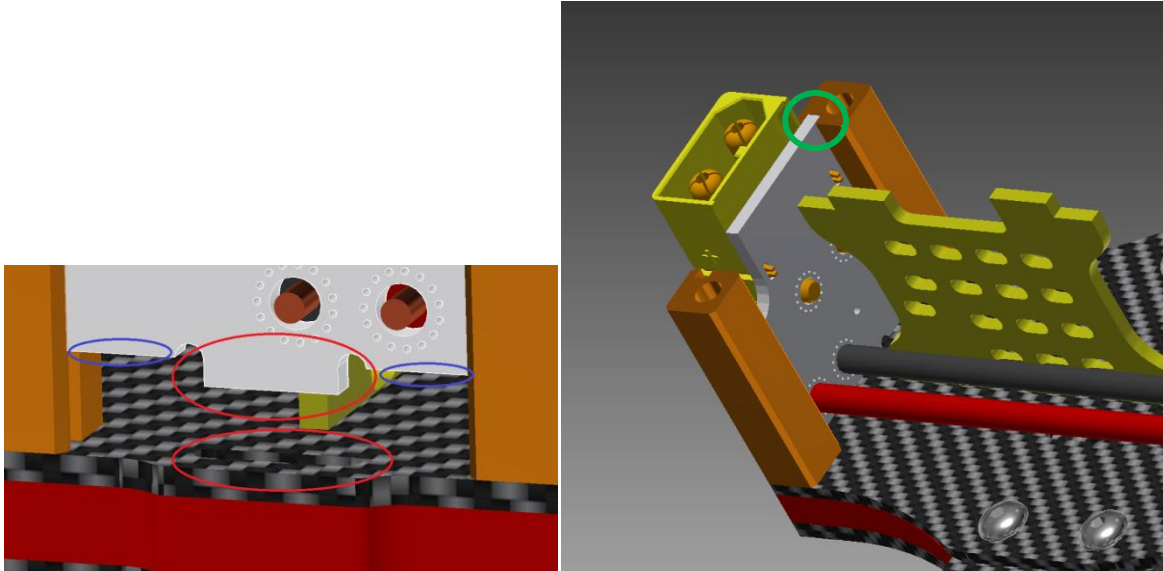
2. PDB Joiner Wire

Cut two lengths of wire at around 100mm lengths. Solder to the rear PDB on the same side as the XT60. The inner side with the wire sheath should be a nice flush fit with no solder.



3. Install PDB

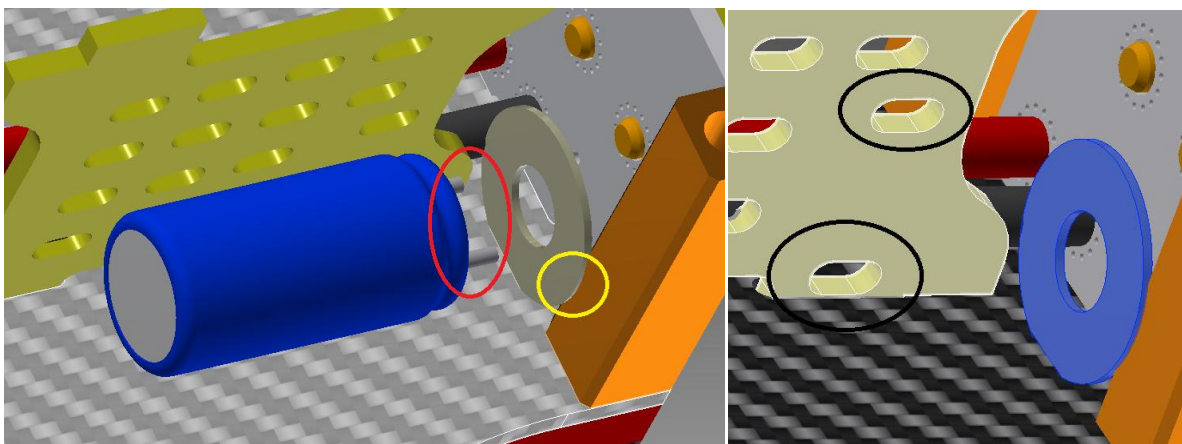
Slide the PDB into position on the frame. The bottom of the rear PDB has a notch that fits into the upper bottom plate (red rings). When properly installed the pdb will sit flush with the upper bottom plate (blue ring) and the top of the pdb will be flush with the top of the rear standoffs on one side (Green Circle).

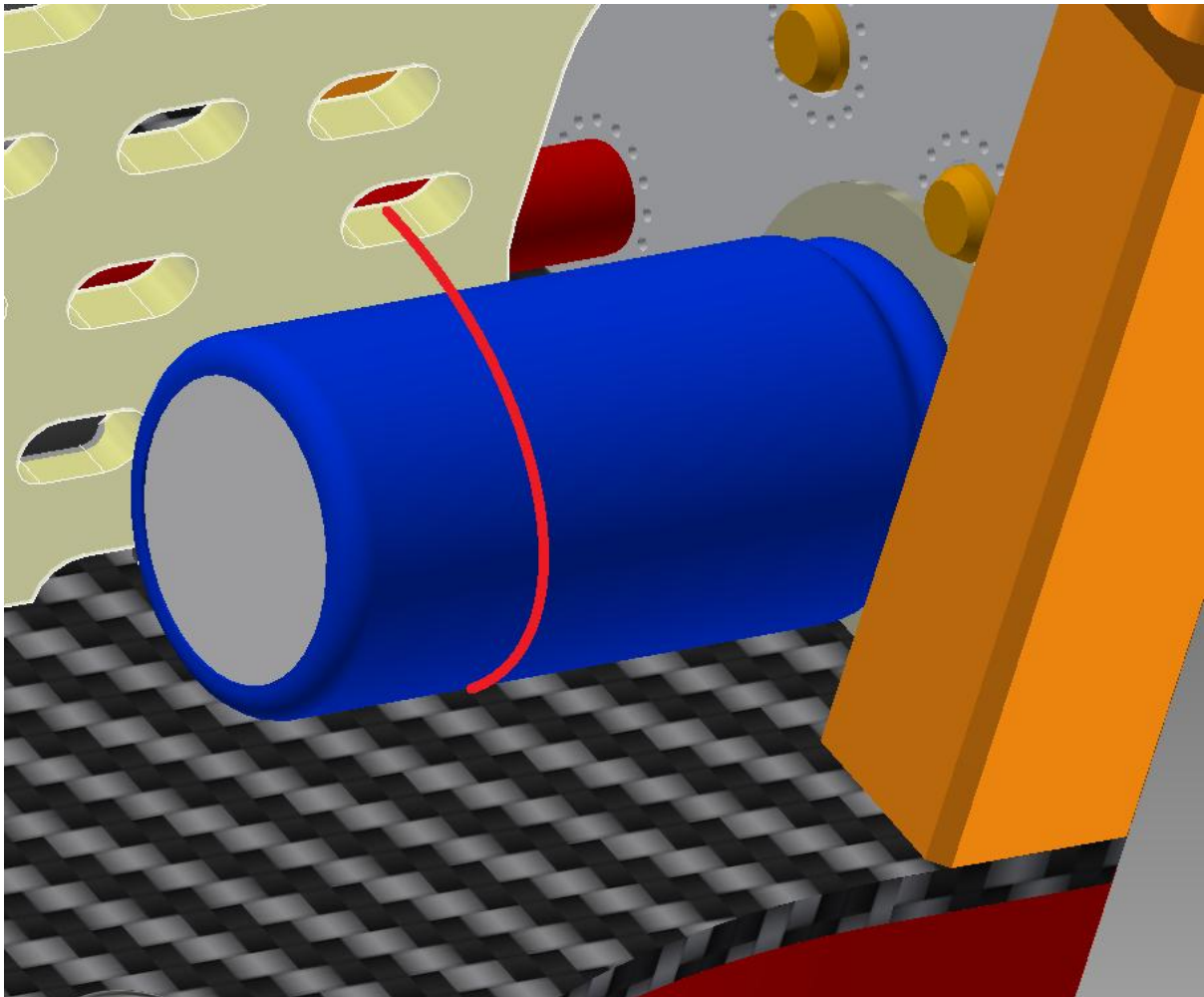


4. Install Capacitor

Slide the Capacitor into position on the left rear of the frame. Do not trim the cap leads until fully soldered. Install a white washer spacer between capacitor and the rear pdb to minimize the risk of a short. The longer lead is the positive. The leads fit neatly through the centre of the washer (red circle) although you may need to trim one edge of the washer as it may bump into the rear left standoff (yellow circle).

After the cap is in position, zip tie firmly in place before soldering (Black circle). The zip tie goes around the cap and through the two holes on the rear vertical spine (green circles). Do not solder the cap as The bottom of the rear PDB has a notch that fits into the upper bottom plate (red rings). When properly installed the pdb will sit flush with the upper bottom.



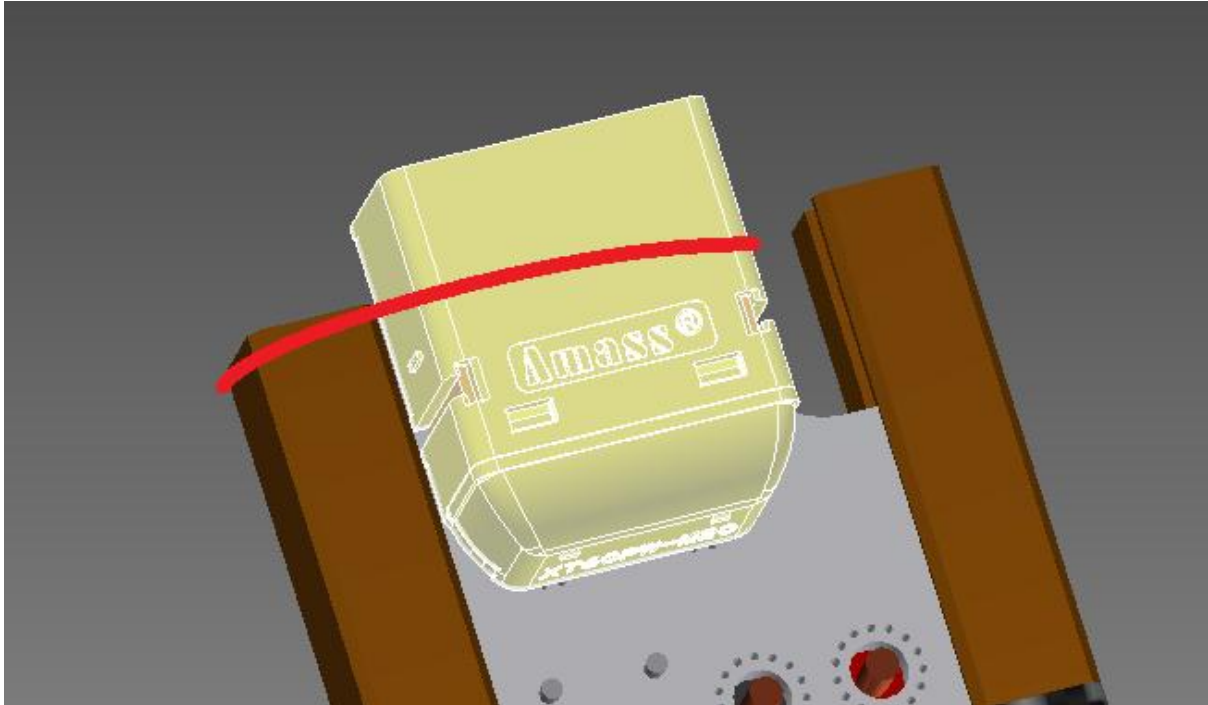


Solder the leads on the rear side (XT60 side) of the pcb firmly before trimming the leads. As the pads are small, we suggest a decent size 'lump' of solder.

Do not fiddle the cap once installed as it will desolder easily as the cap is large and the leads are small.

5. Install XT60 Zip Tie

Use a zip tie to add strain relief for the xt60. The zip tie circles the rear left standoff and feeds through the cut away section of the PDB.



6. Install Top Plate

Use a zip tie to add strain relief for the xt60. The zip tie circles the rear left standoff and feeds through the cut away section of the PDB.

Install the rear top bumper, note that the rear top tab of the spine is roughly flush with the top of the bumper.

Install the top plate and the rear PDB is operational and secure.

