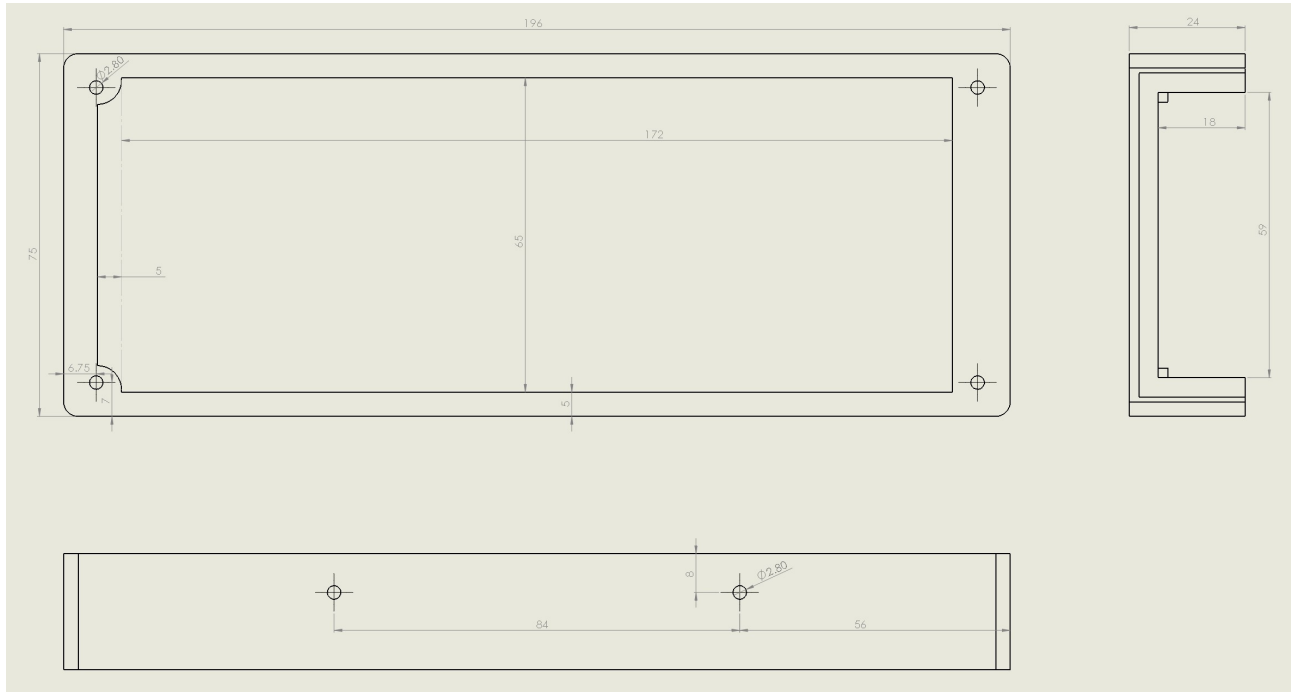
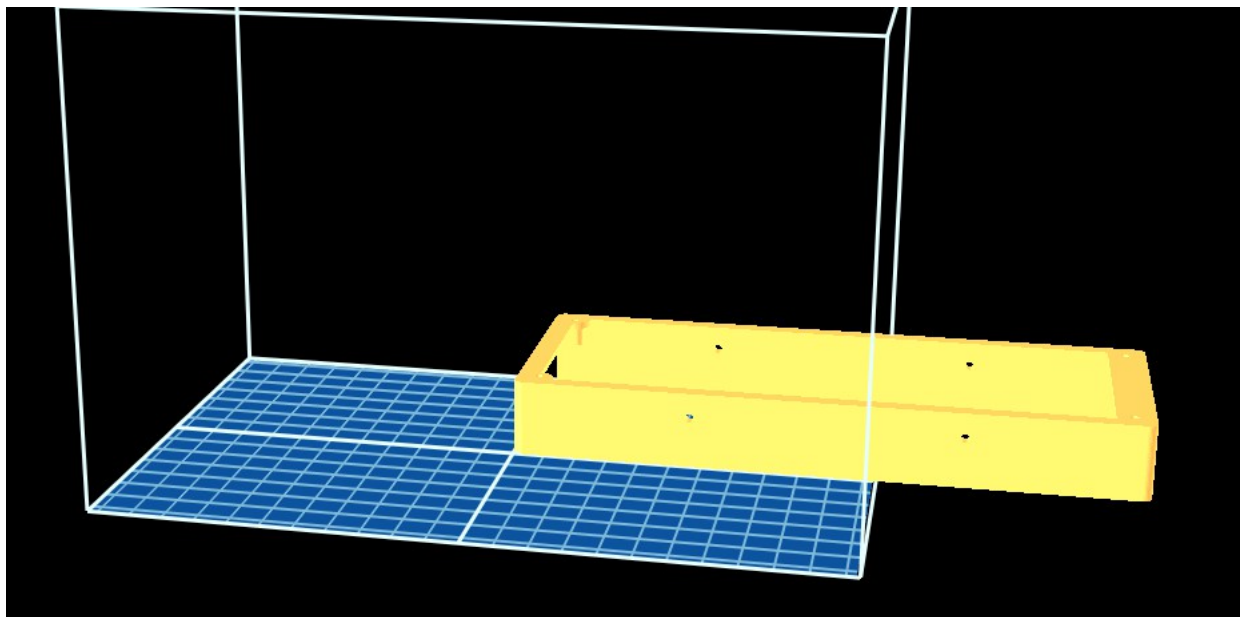


mcHF front support shell

This part of the mcHF assembly, together with the back support shell provides the means for mounting both boards. The reason it is split in two parts is simple – easier CNC machining, although there is no problem to 3D print complex shapes, machining requires access from only one of the axes (X, Y or Z) so the milling tool can produce it from block of Perspex or Aluminium.



This parts is quite complex and is not easy to describe by simple hand drawn diagram, so it is best to open the STL file in a graphics program and check specific dimensions and shape. Also it is worth nothing that it has to be rotated 180 deg via the Y axis before 3D printing, as the way is drawn is not suitable for print. Here example of the STL file opened in ReplicatorG.



Post printing processing

If you print it, there are small number of operations that needs to be performed before it is ready for assembly. Apart from removing excess plastic, there are eight knurled plastic inserts, M2.5x3mm to be inserted in the holes



This could be easily done with the hot tip of the soldering iron, but please be very slow and do not use excessive force



The result should look like this. If there is plastic leak into the thread canal you might have to drill carefully into the hole with 2mm drill bit.



After that the part is ready for assembly



73, Chris
M0NKA