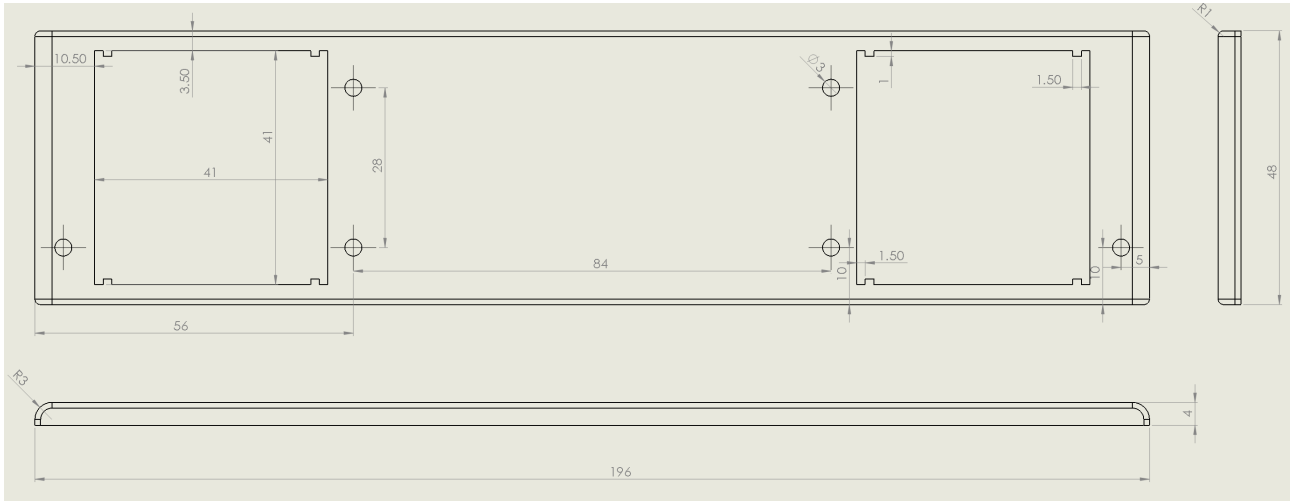


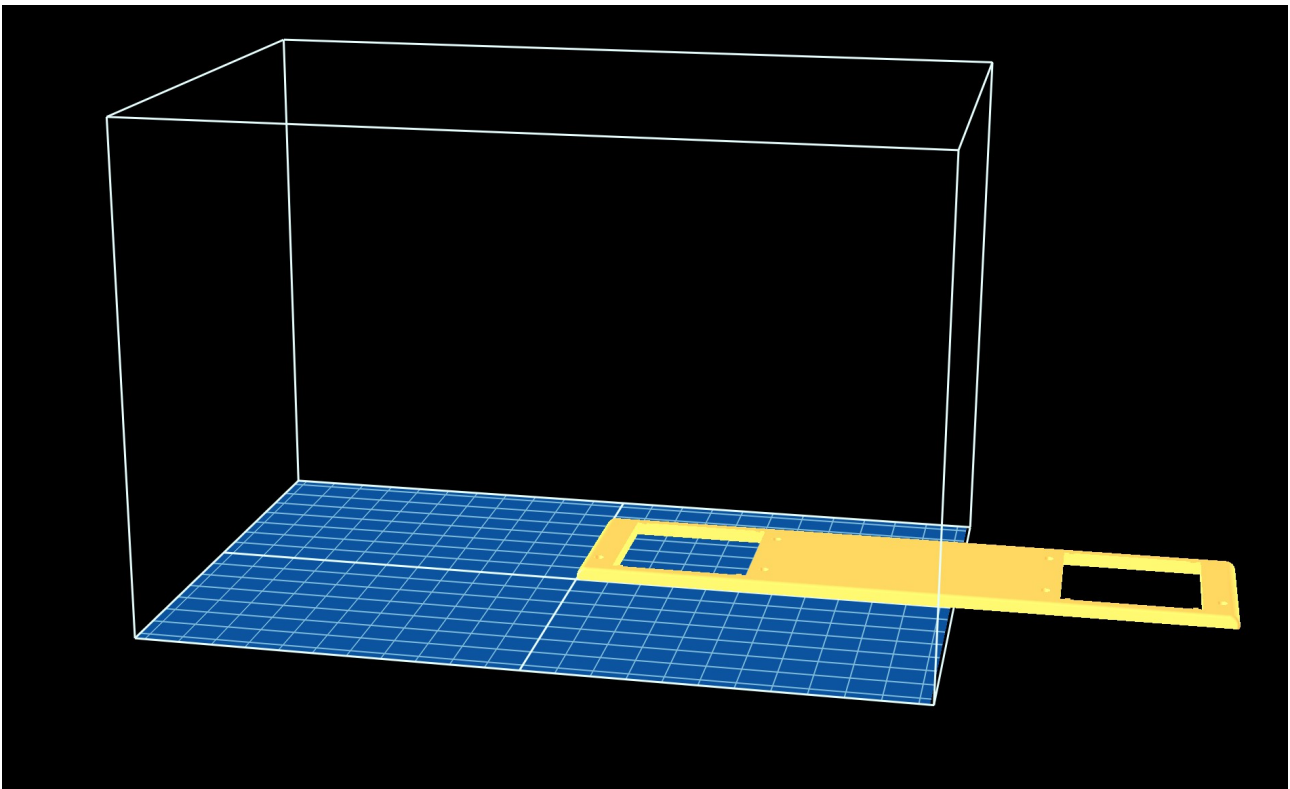
mcHF top holder

The purpose of this part is to hold both heatinks in place. It attaches to the support shell assembly via four M2.5x8mm screws. There are two extra ones on both sides of the heatsinks to make sure better thermal contact with the aluminium stud pieces.



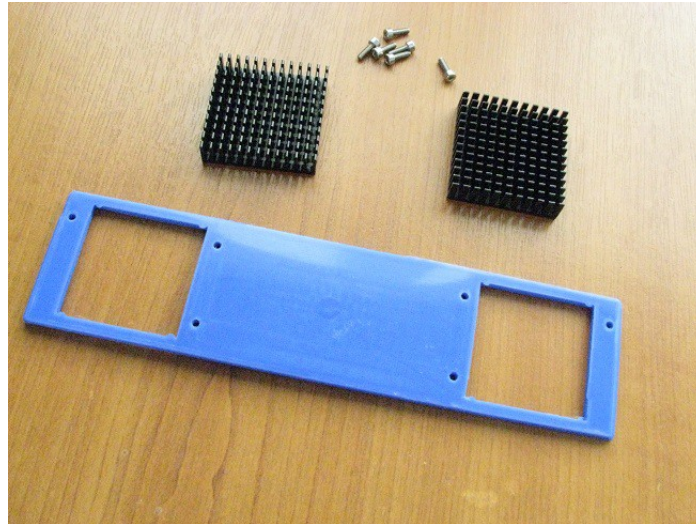
Printing

It is a good idea to rotate via Y axis before printing, so the smooth surface would be the one that shall be visible when all is assembled.

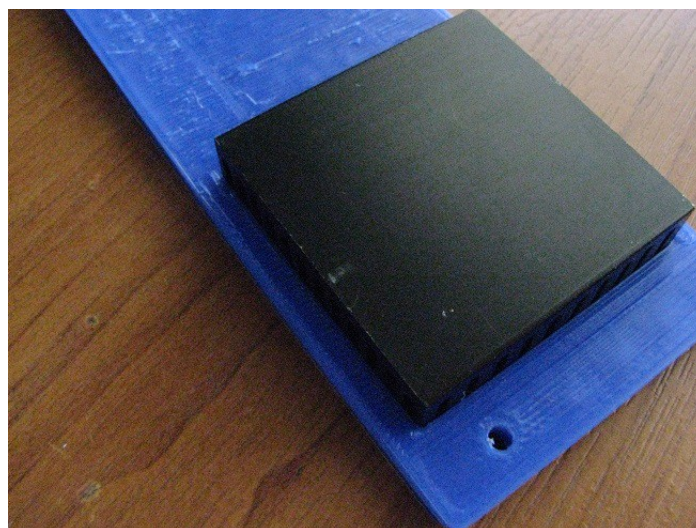


Preparation and Assembly

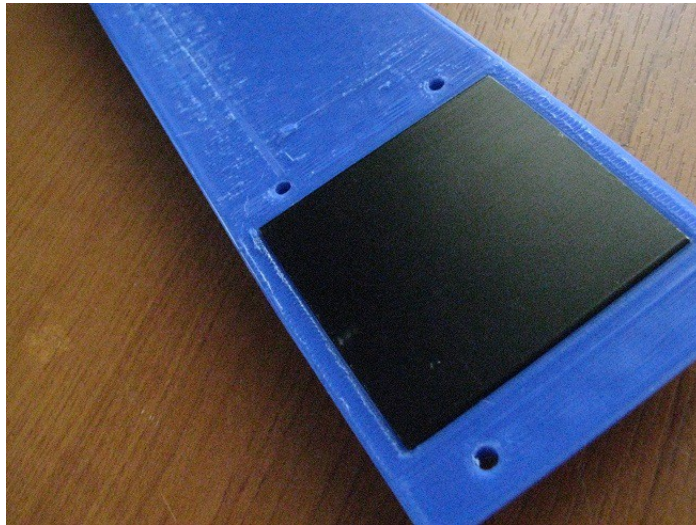
Not much preparation is needed, except drilling the holes with 2.5mm drill bit. Needed extra parts are the two heatsinks and six screws. This holder uses popular on Ebay 41x41mm heatsink, made out of anodised aluminium. As this one is used for LED cooling, I expect them to be available for some time, from different sellers. Even if this heatsink is difficult to obtain sometime in the future, it is easy to design different type of top holder part, to accept any type of heatsink. Or instead of using plastic top holder, whole piece of aluminium could be used instead. No need to redesign the rest of the casing.



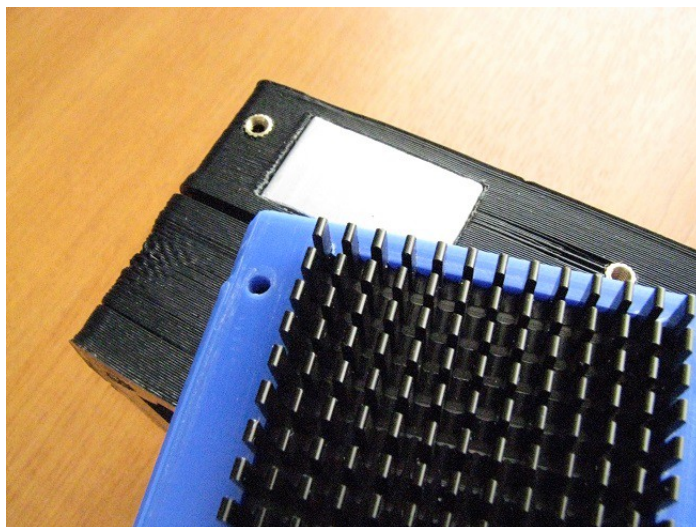
Step one in the assembly process is to insert the heatsink into the back side of the top holder. Make sure you insert both ends together, otherwise the top holder could be damaged.



It is a tight fit, but that is the aim here.



Do the same for the other heatsink. Looking from the back, the heatsink needs to be flushed with the plastic.



Then fitting the top holder onto the top of the assembly will make sure the heatsink makes thermal contact with the aluminium stud piece inside the back support shell.



The six screws will hold the top holder in place, and also make sure front and back shell fit together nicely.

73, Chris
M0NKA