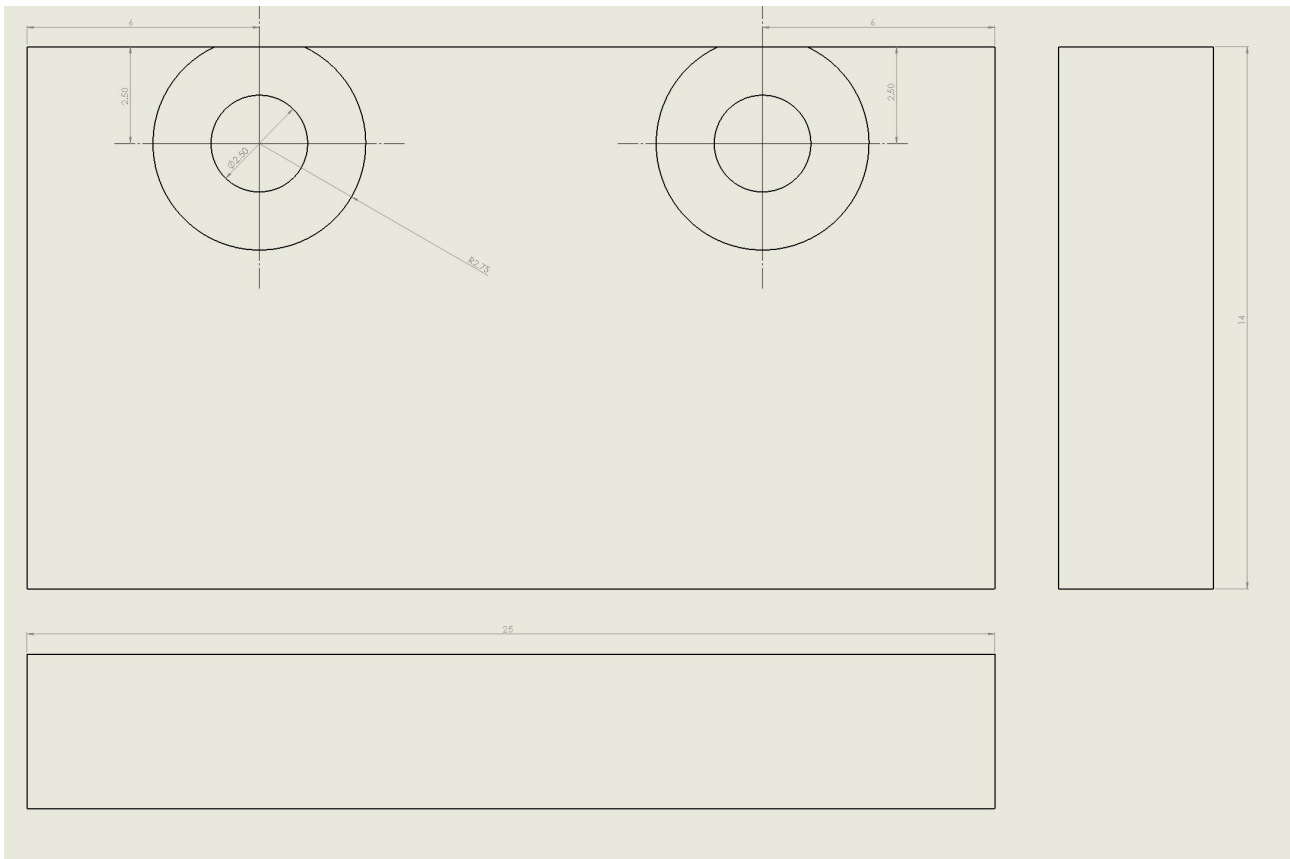
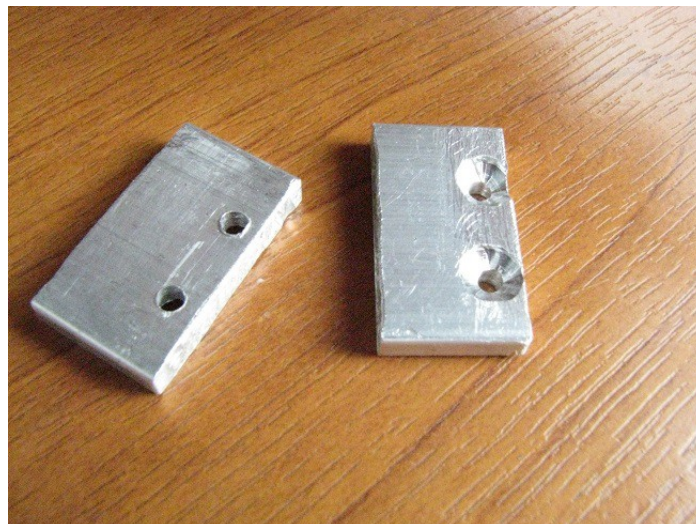


mcHF Aluminium Stud

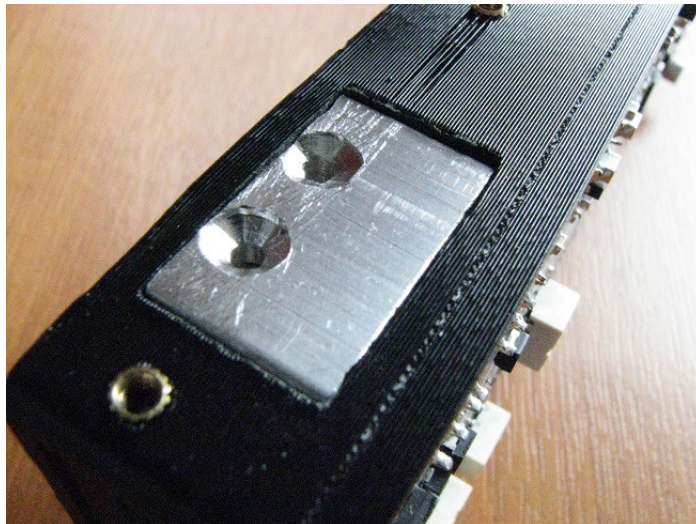
There are two aluminium stud pieces that fit into the holes of the back support shell. Those are used to transfer heat from the transistors/regulator into the outside heatsink.



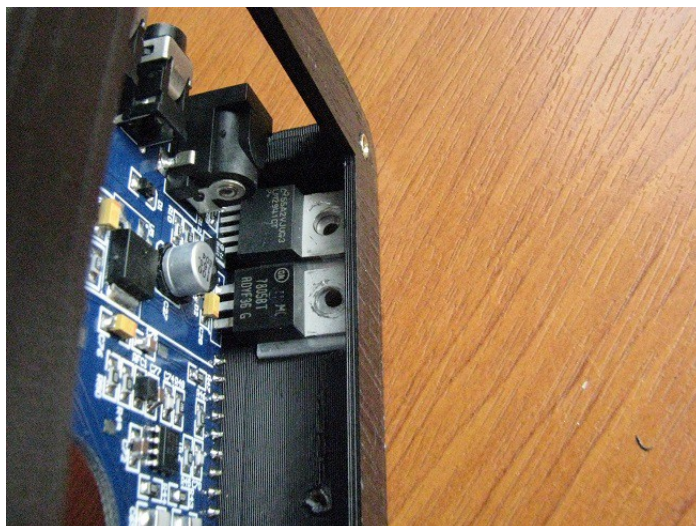
Those could not be 3D printed. It has to be machined/hand crafted from 25mm aluminium strip or larger bar.



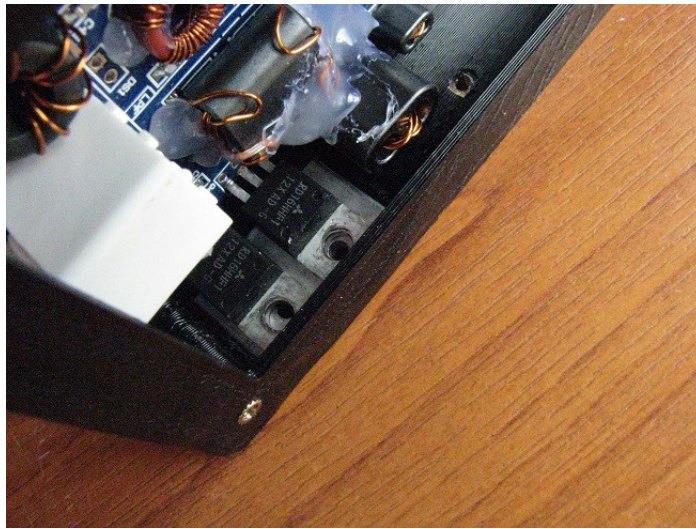
The holes for the mounting bolts displayed on the diagram are for guidance only, you can move them to suit better the current mount position of the regulators/transistors on the RF board.



For drilling is a good idea to start with a 1mm pilot hole, then expand to 2.5mm one. The large fillet on the outside could be machined with 6mm drill bit.



Some filling on the edges is also a good idea to provide for good thermal contact with the regulators/transistors.



M2.5 nuts are used at the back to tighten the bolts.



Finally it is a good idea to check if the bolts are flushed against the stud surface and not sticking out, thus preventing good thermal contact between the stud and the heatsink.



73, Chris
M0NKA