

Thanks for buying this enclosure.

First a few thing about acrylic in this case Perspex.

It is strong but very brittle much more so than you would expect from its plastic like appearance. This means it is easy to crack and split whilst drilling (if you want additional holes) unless you take some precautions.

The brittleness also means it is likely to shatter if you drop the enclosure on anything other than a mattress etc.

Once you know these things it helps a lot and acrylic is a long lived plastic that will serve its purpose for many years.

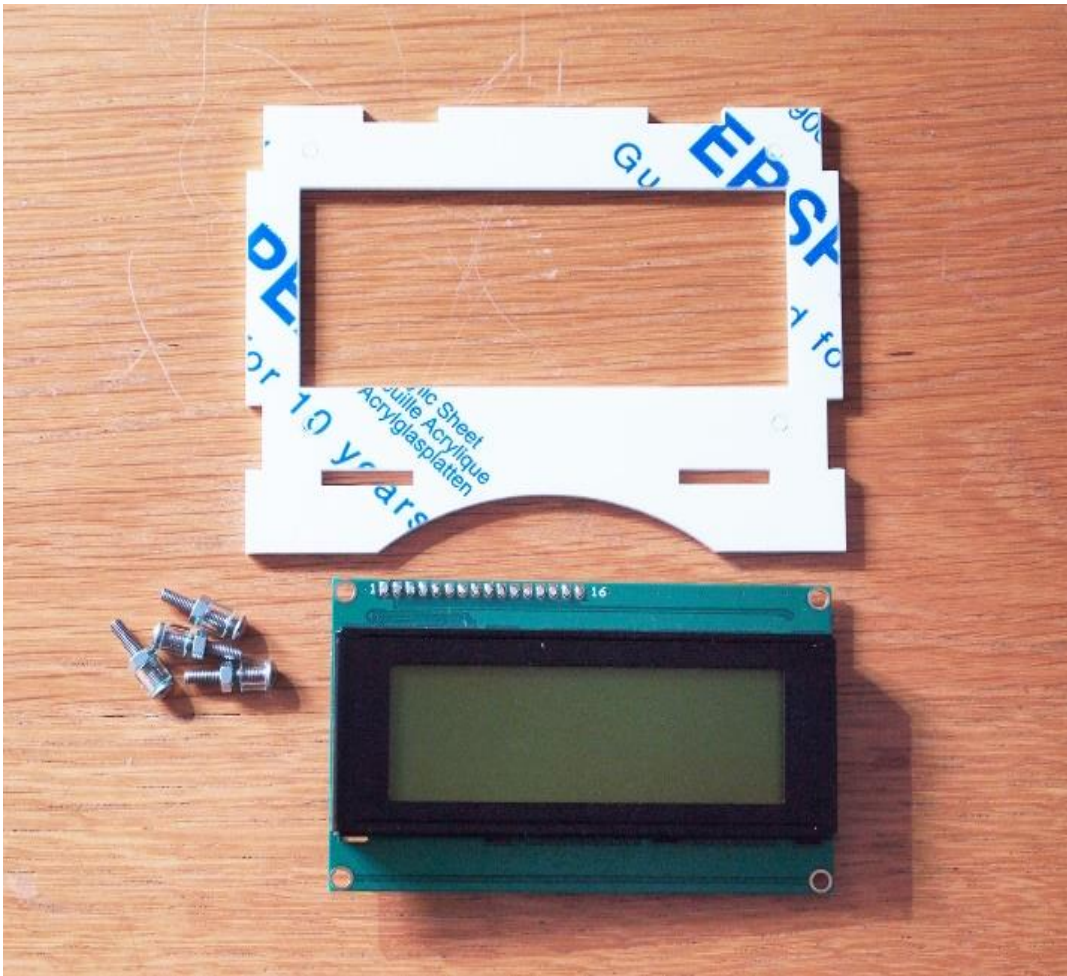
The enclosure pieces are quite sharp so take care when pushing together not to slip and maybe graze yourself with a sharp edge. You may wish to smooth these edges once the case is assembled but most find it is not necessary.

Remove all the pieces from the packaging.

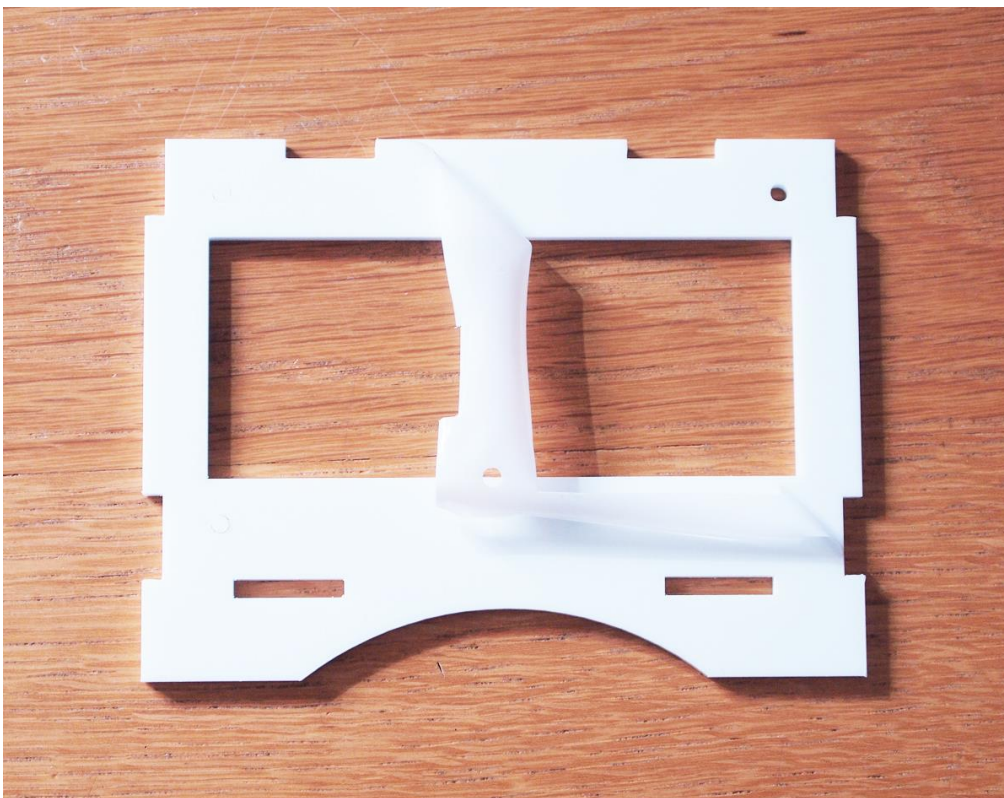
This is what you should have.



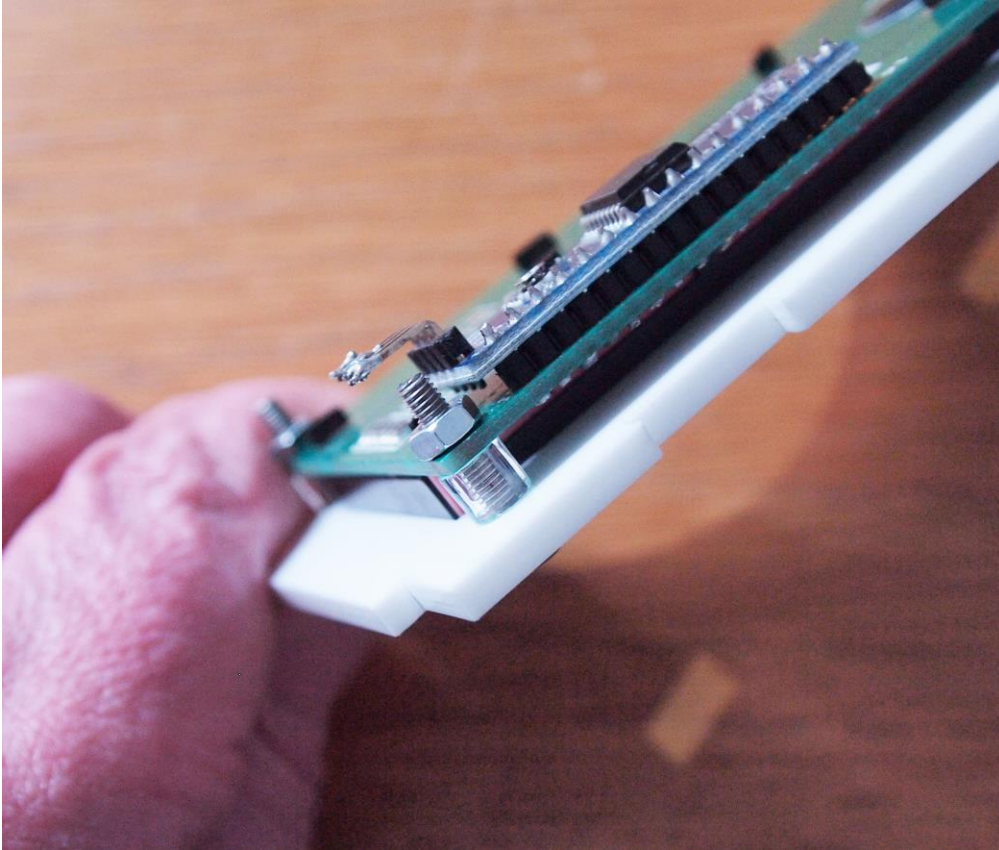
Remove the front panel from the sprue and find your 20x4 LCD display also remove the four 16mm hex bolts nuts and spacers from the packet. (note they may be loose in the plastic bag)



Turn it over and remove the protective film from the BACK of the front panel as follows.



Loosely assemble the LCD to the back of the panel using the four bolts, nuts and spacers.



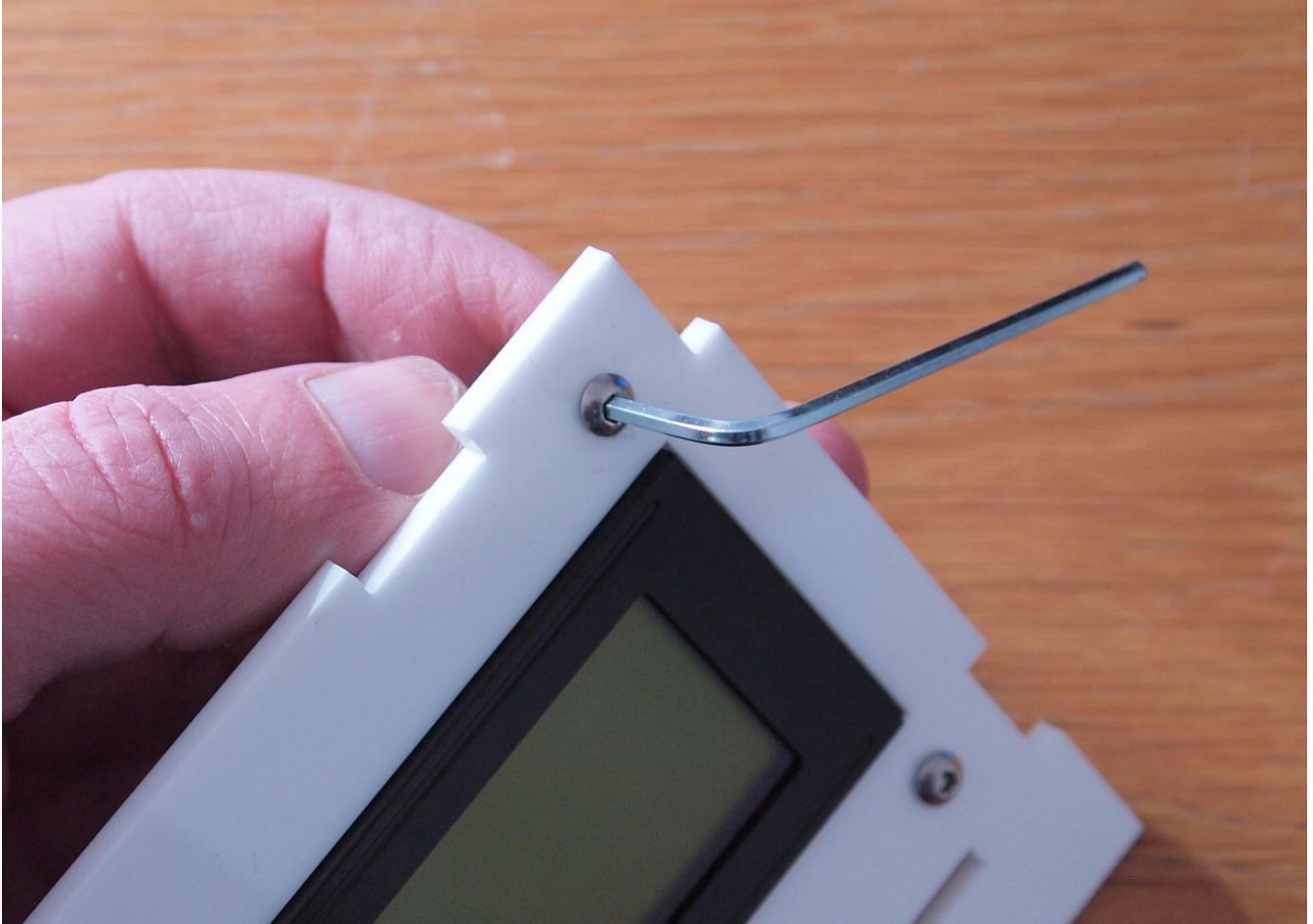
It should look like this.

Remove the film from the front



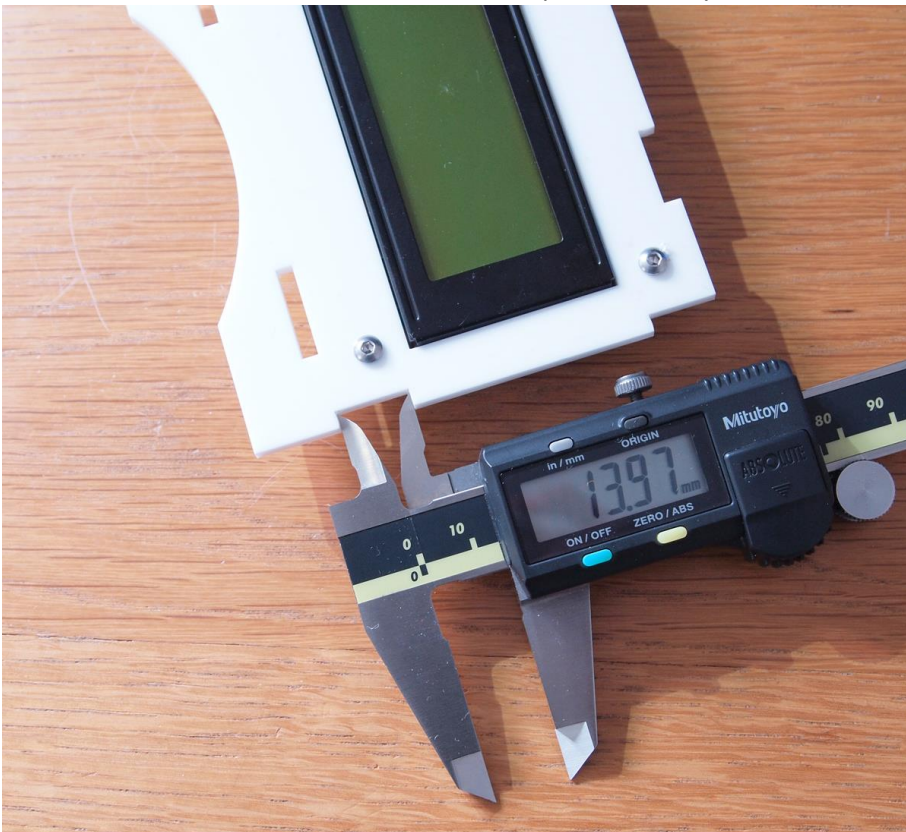
Note now may be a good time to solder any wires (if needed) to the lcd panel as it is quite a bit harder when the case is finished.

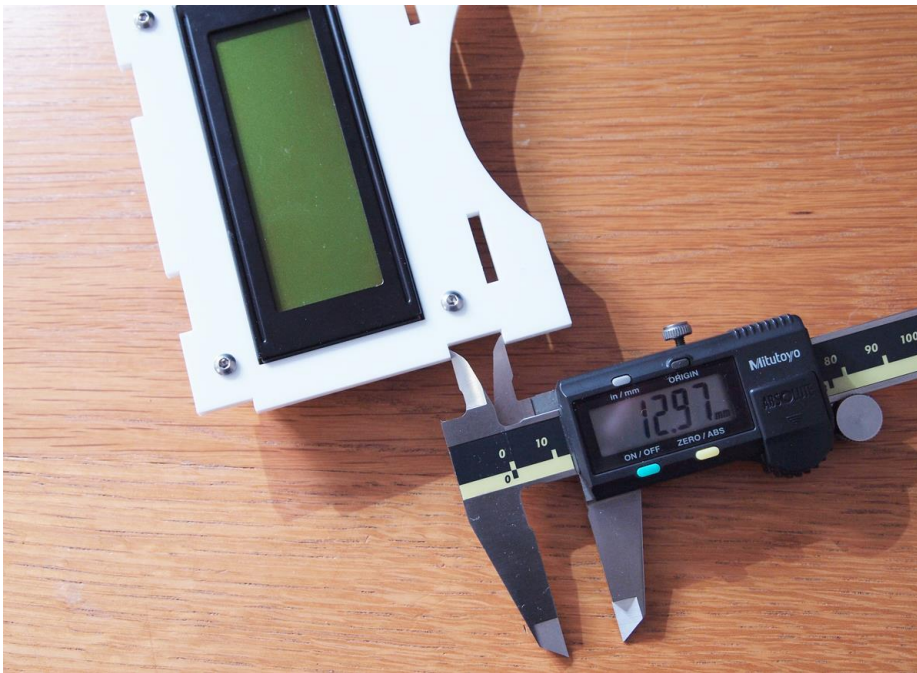
And tighten up the bolts.



Note it is important to realise that the LCD gives the front panel a lot of strength, if you assemble the case without it in place you are much more likely to break the front panel.

You can check that it is mounted to the front plate correctly as follows.





You can see that the slot on the left is 1mm shorter than the slot on the right. It is essential that you have done this step correctly as the rest of the case will not fit together.

Now locate the enclosure base and remove the film from the back. You can see it is the back because the position of the slot has moved in the photos below.



Removing the film from the back.



Peel the outside covering off the front edge and insert the tabs into the front plate. Note If you have removed the film from both sides no worries just note the position of the slot and make sure yours is the same.



To fully engage the base you may need to use the edge of a hard surface as shown below. At this point you may as well remove the rest of the film from the base.



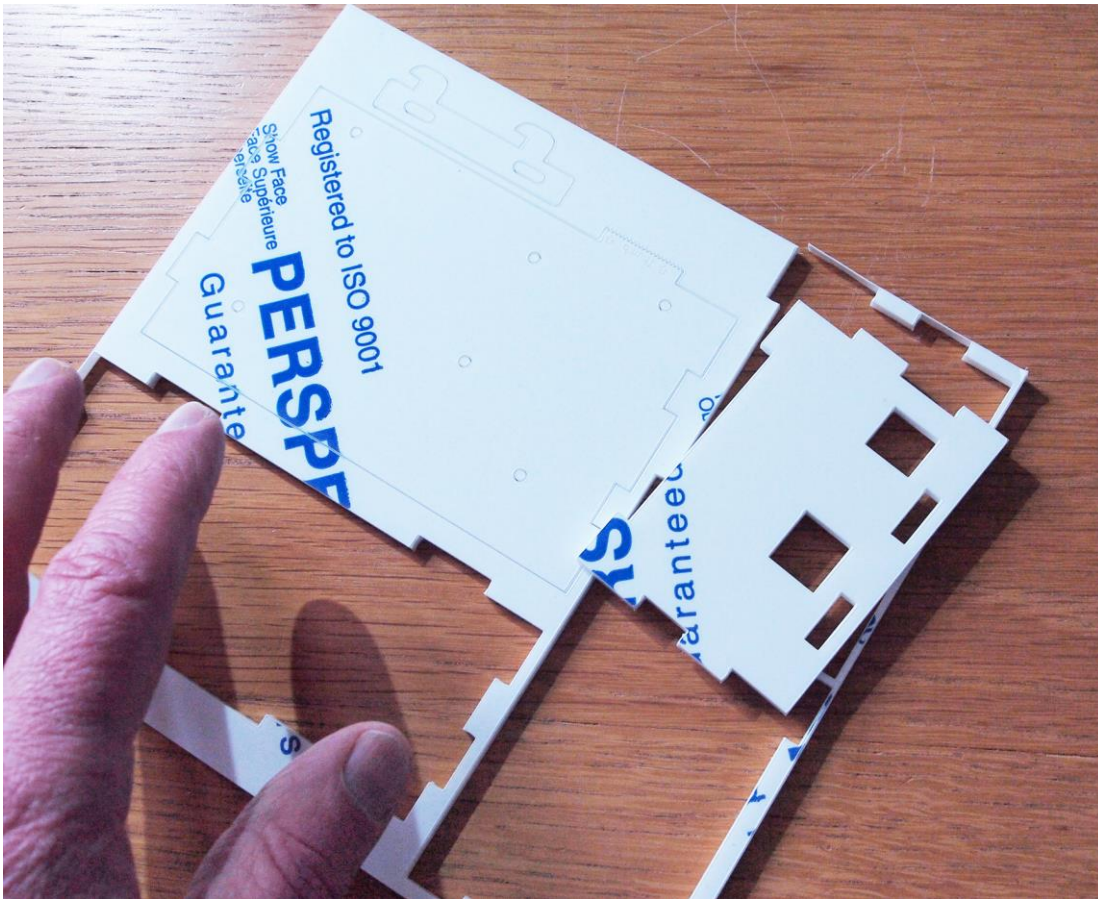
Now locate the right hand side panel as viewed from the front (this is the one with the two holes in it) and remove it from the sprue, and remove the film from the back.



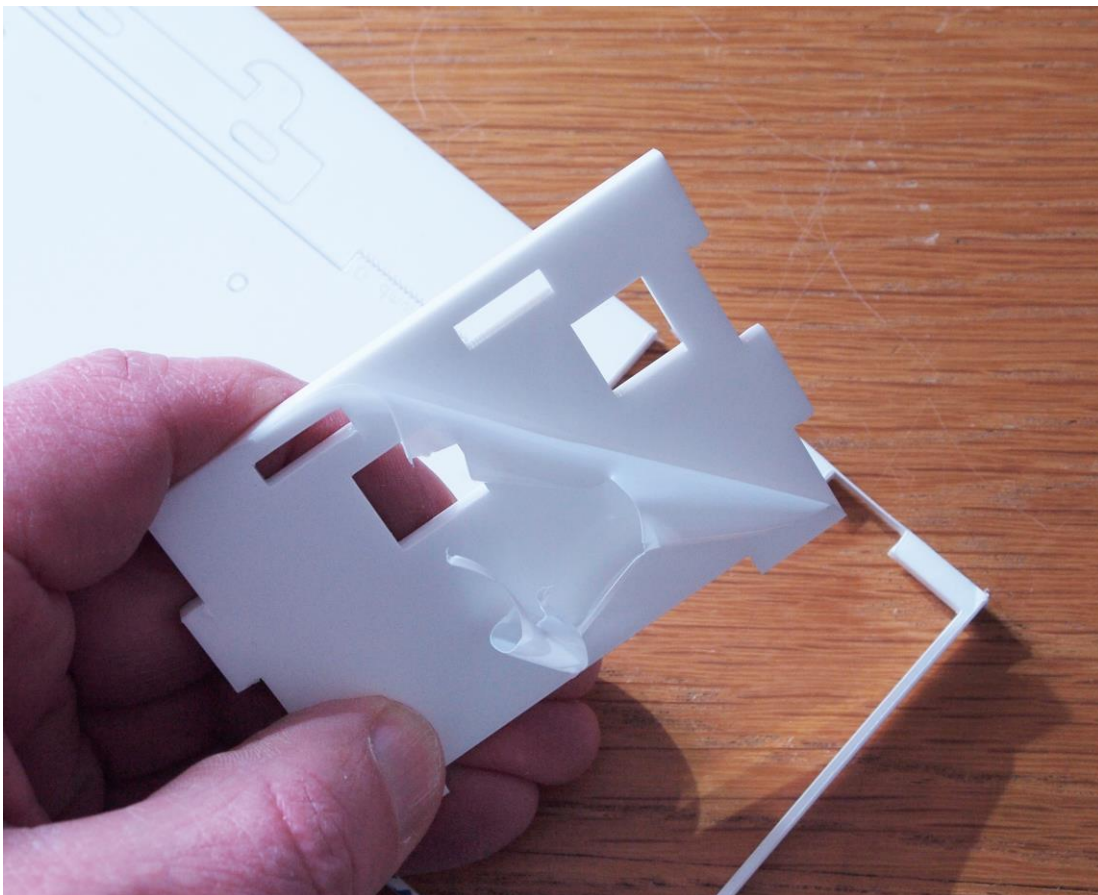
Fit the side panel to the rest of the case there is an interference friction fit between the joints and you will have to press the pieces together, again once you have engaged the edges using a hard surface to push against means you are exerting the closing force evenly on the panel preventing bending etc. If you use your thumbs just do it evenly again to avoid distorting the panel. Note if the panel does not fit check you have put the LCD on the correct side of the front plate.

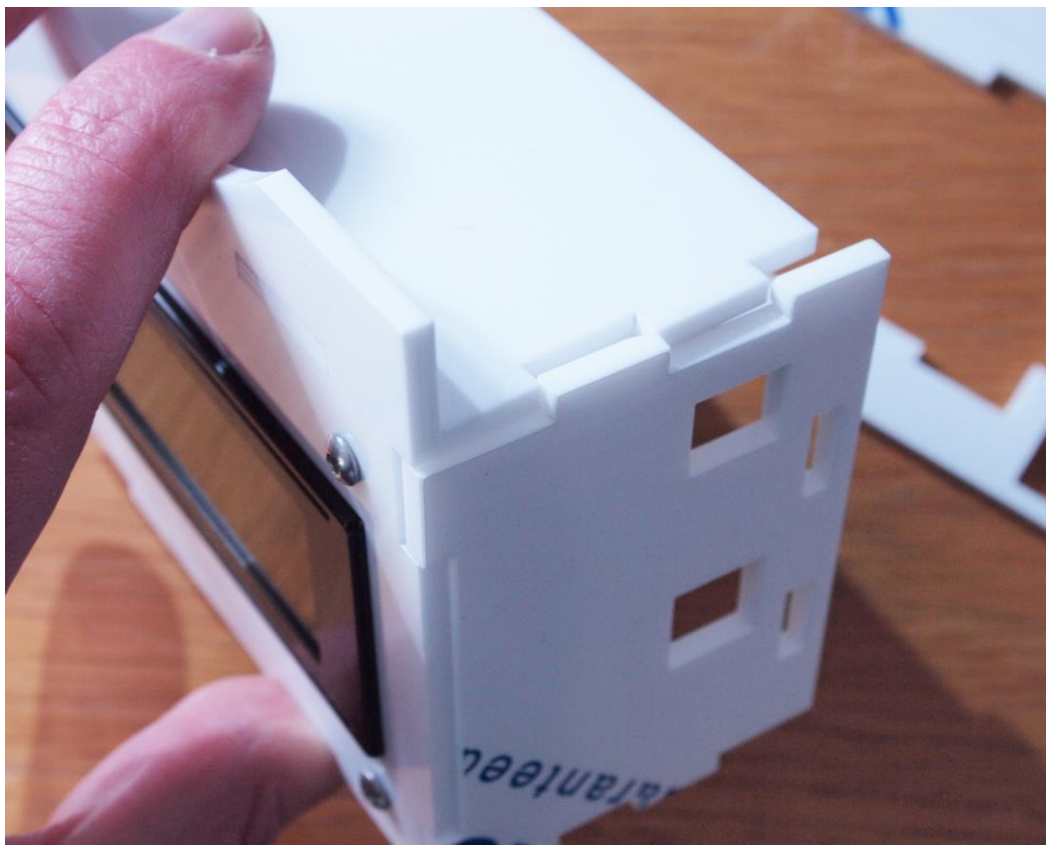


Repeat this procedure with the left hand side (the one with the cutouts).



Remove the film from the back

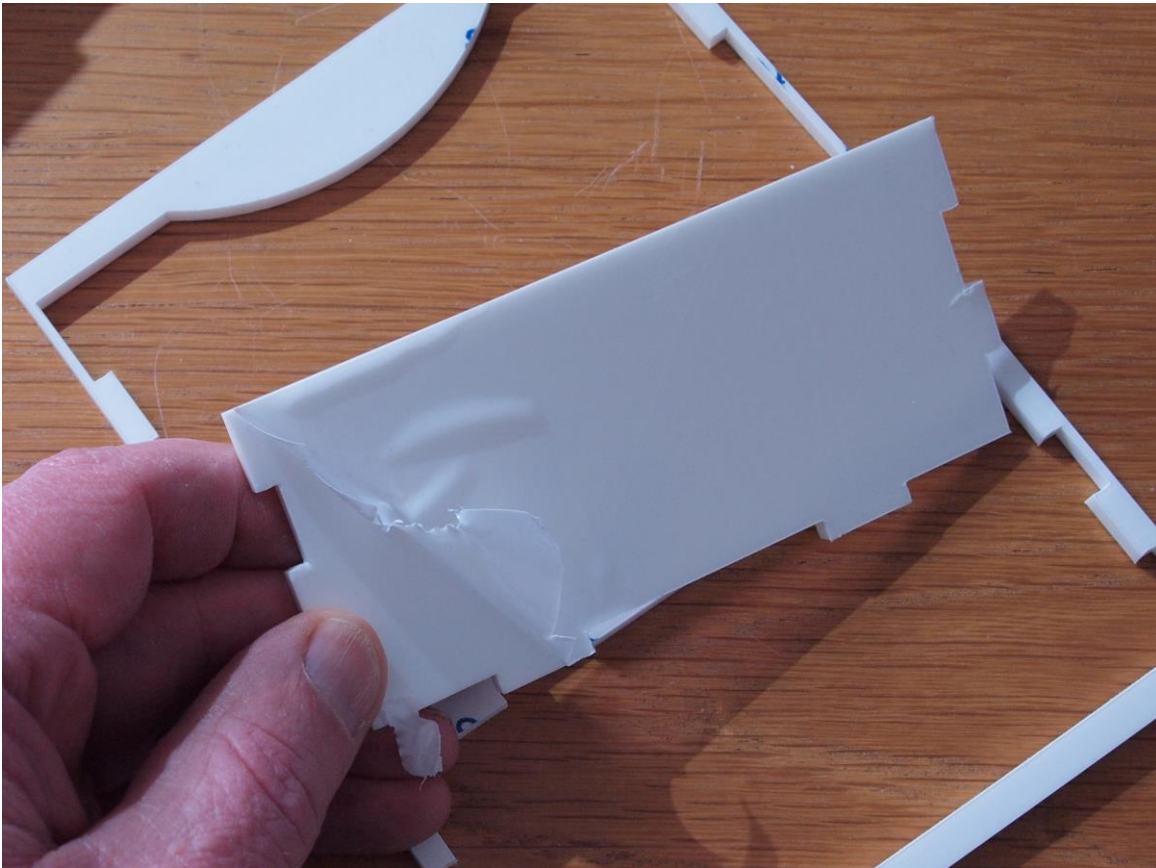
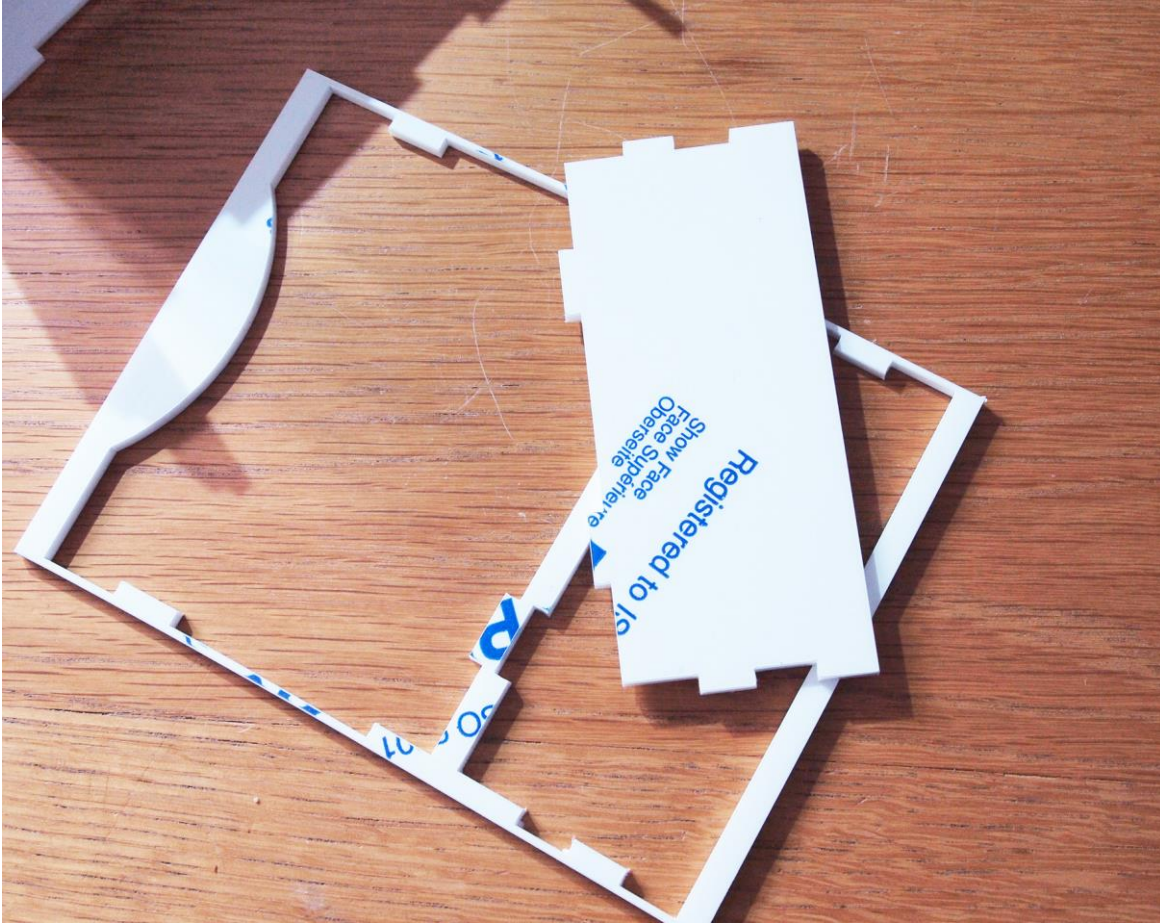




Push home and remove the outer film



Locate the top panel and again remove the film off the back.



Fit the top and again push home into place.



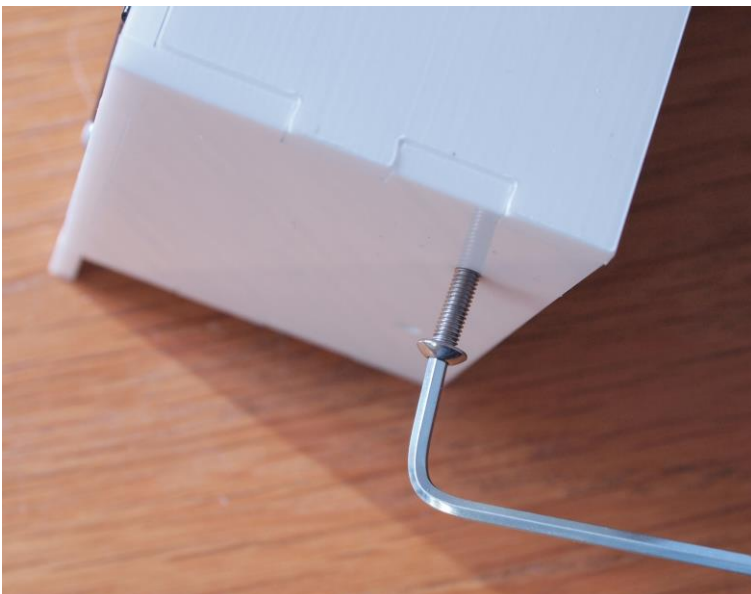
The picture shows using the edge of a desk to help with this task.



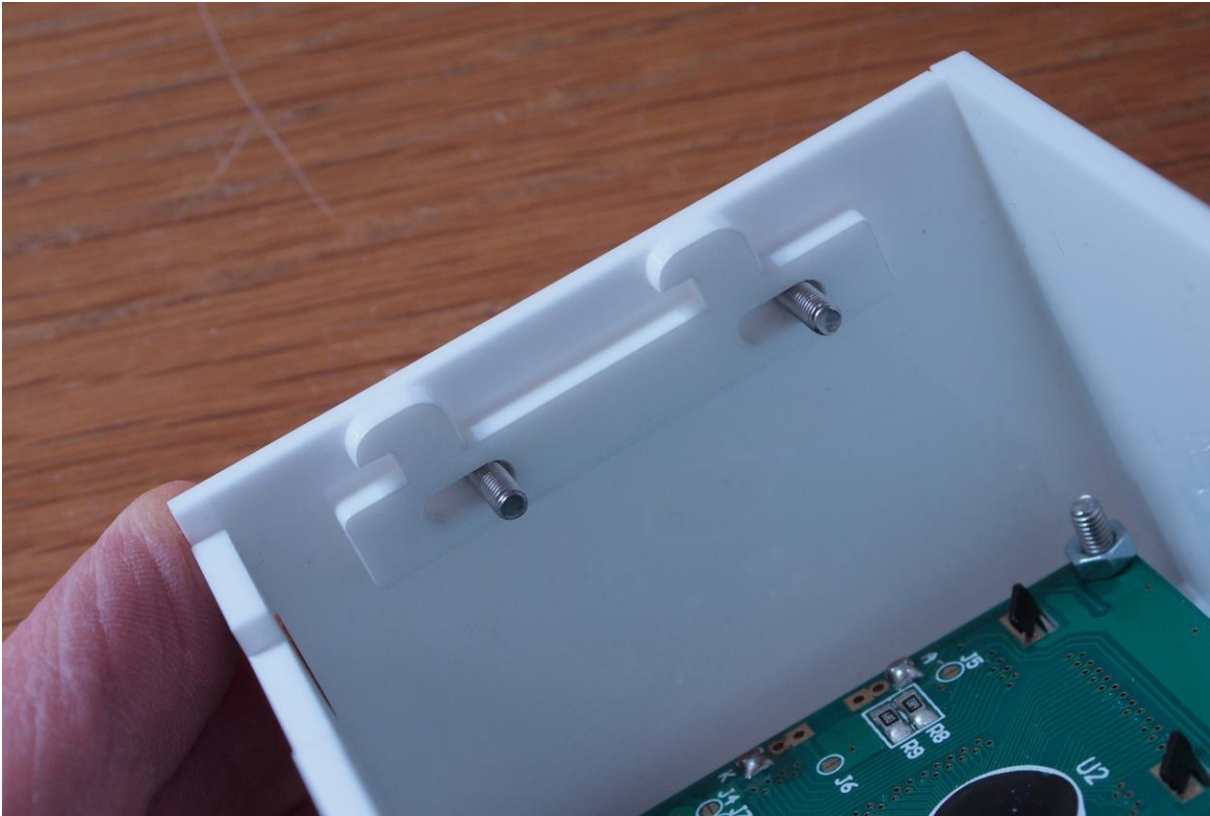
Now remove the side catch from the sprue and remove the film from both sides.



Find the side catch M3 bolts unscrew the nut and washer and insert the bolts into the side of the case, The holes in the right hand panel are deliberately tight so as to keep the bolts from slopping about which might cause the catch to jam



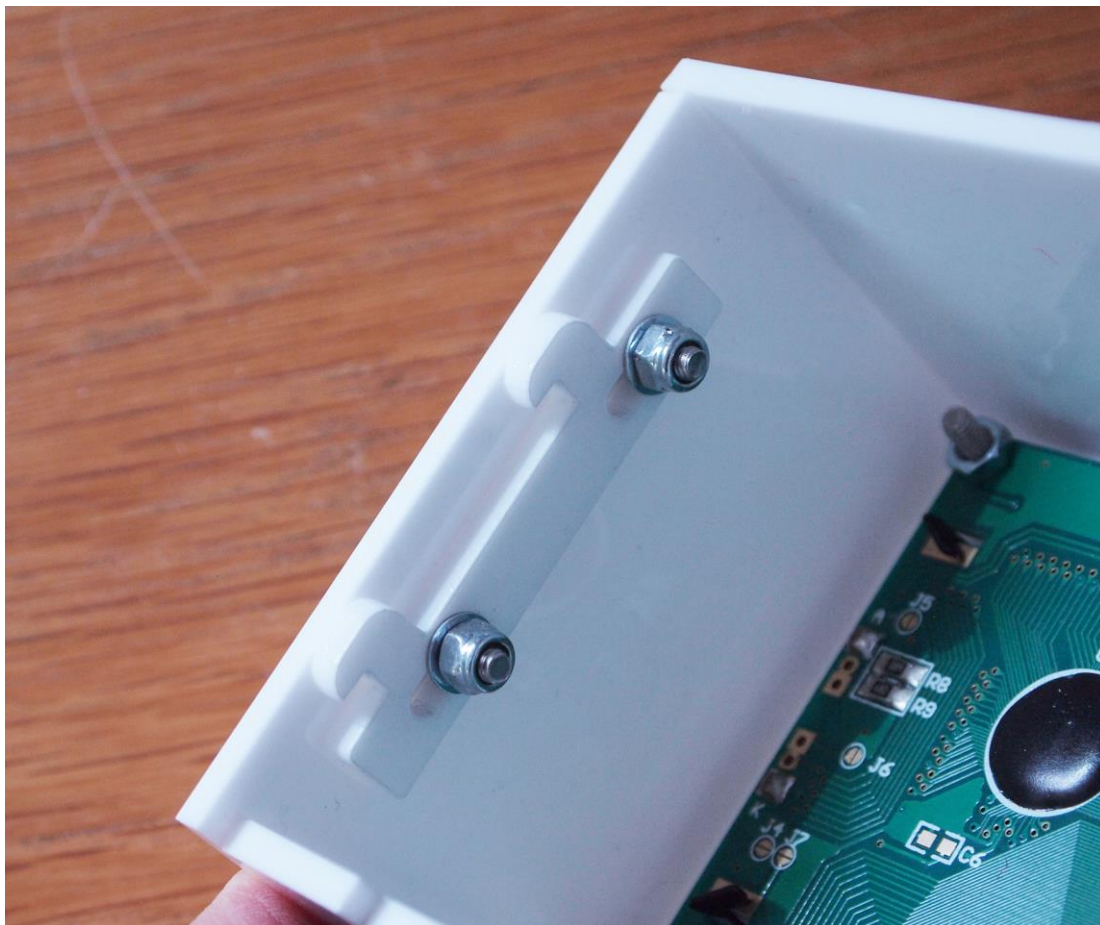
Fit the side catch NOTE THE HOOKS FACE DOWN



Put the nuts and nylock nuts on and tighten so that the catch still moves easily.



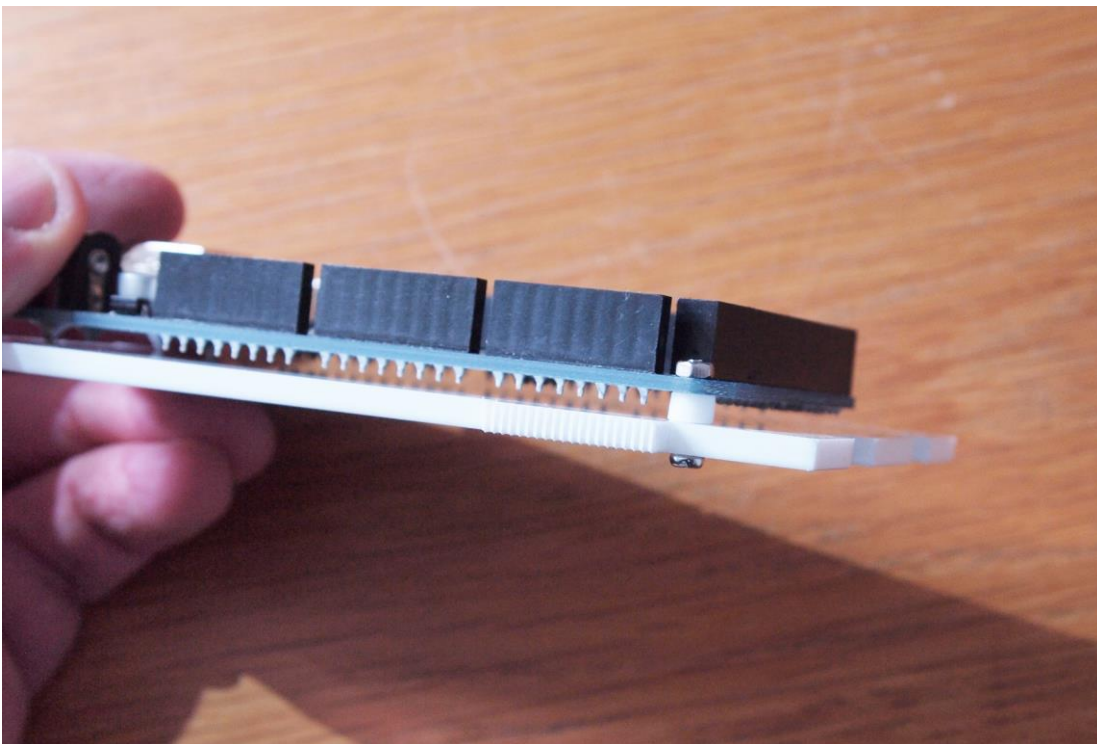
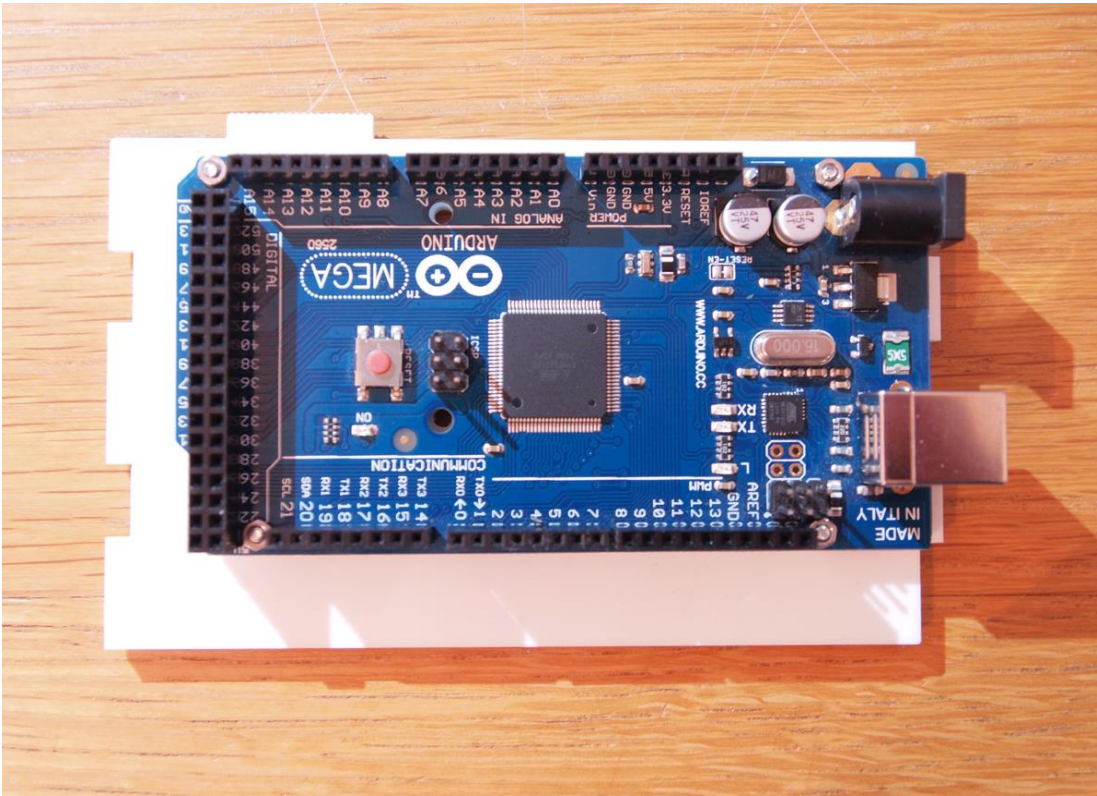
It should look like this when you are done note the hooks face the slot in the base panel.



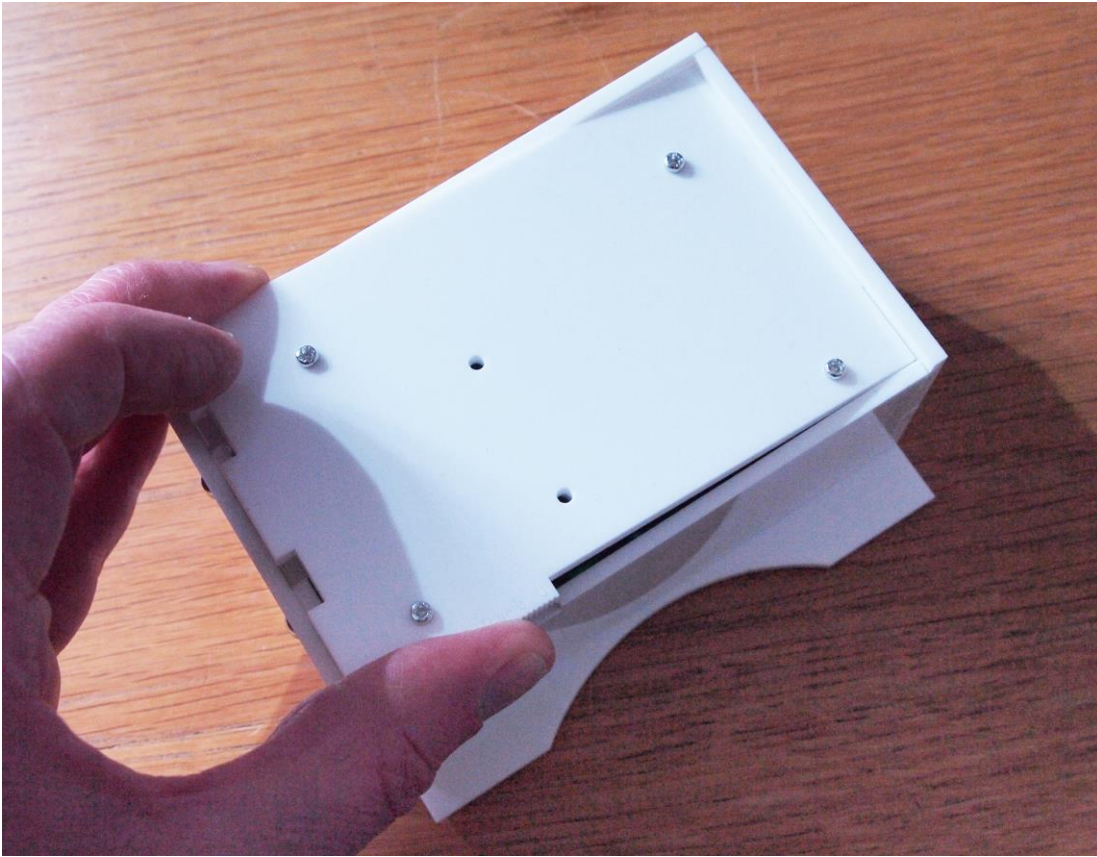
Now locate the back panel and again remove the film from the inside surface.



Take your UO or Mega board and loosely assemble it with the 2mm bolts and spacers to the back panel, you can see below that the back of the board is at the end with the serrated tab.

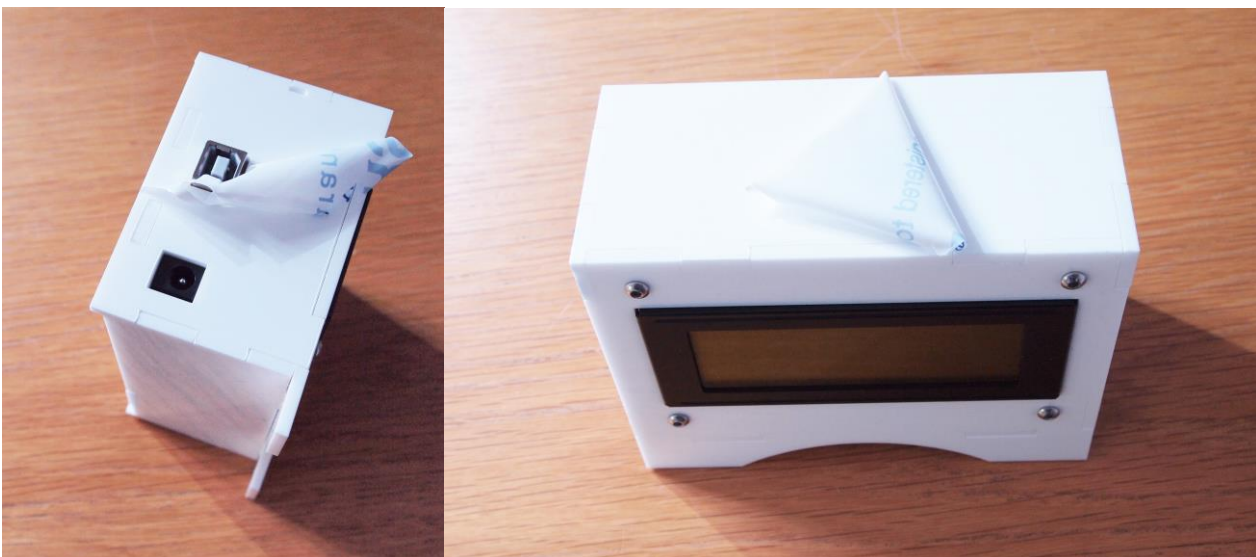


Remove the film and fit the back panel complete with your board into the case. This may take a bit of jiggling if the board cannot move because the bolts are too tight slacken them off a bit and try again.



Once in place tighten the bolts a bit more note this may only work where the nuts are prevented from turning by the connectors on the board, however even if only one of them tightens this will be sufficient to secure the boards location. If necessary remove the back and board and finish tightening.

Now you can remove the rest of the protective film.



That's it you have finished.



If you feel that a stronger than friction joint is required running super glue carefully into the joints works very well. Note some CA (superglue) dries white so will show up on darker colours if you get it on the outside.

If you do though don't panic wipe it off so that it is very thin let it dry then remove with acetone based nail varnish remover on a pad or cloth.

We don't really think super glue is a good idea on the translucent acrylic because drying white will spoil the appearance somewhat with translucent acrylic if you feel the need to glue you will have to use specialist acrylic glue.

Any questions please e-mail pan.calculus@gmail.com

Thanks again for your purchase from us here at just remember not to drop it on a hard surface.