The first thing I had to do was make the image to scale by editing the DPI

A blueprint of a machine

Description automatically generated

Here is the original image, but the DPI was wrong,

So using pixel math I calculated that the entire image should be 6.366 by 3.771 inches.

It can now be seen that the measurements are acturate

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

I also dropped the opacity to 50% to make the image easier to use in KiCad

A computer screen shot of a blueprint

Description automatically generated

Measurements in KiCad Can now be seen to be to scale

A drawing of a machine

Description automatically generated

Start with the holes

A computer screen shot of a computer screen

Description automatically generated

Progress

A screenshot of a computer

Description automatically generated

Ok the Port is done, I can start on the 3D model.