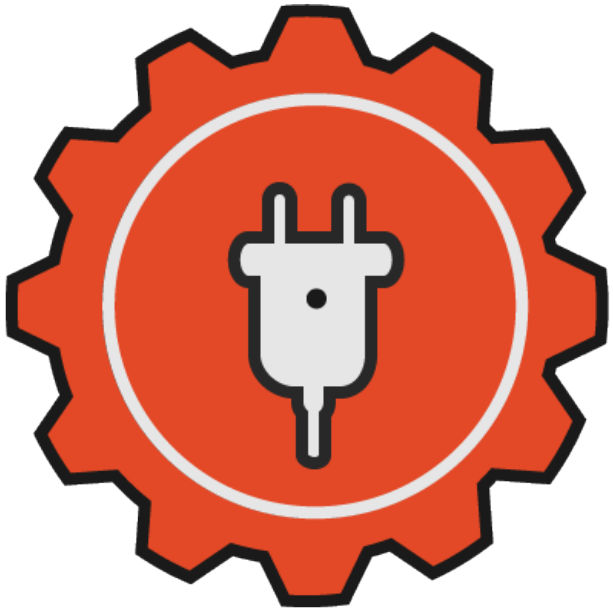
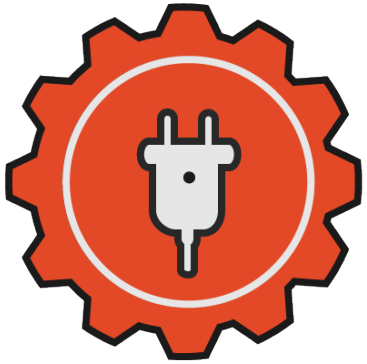
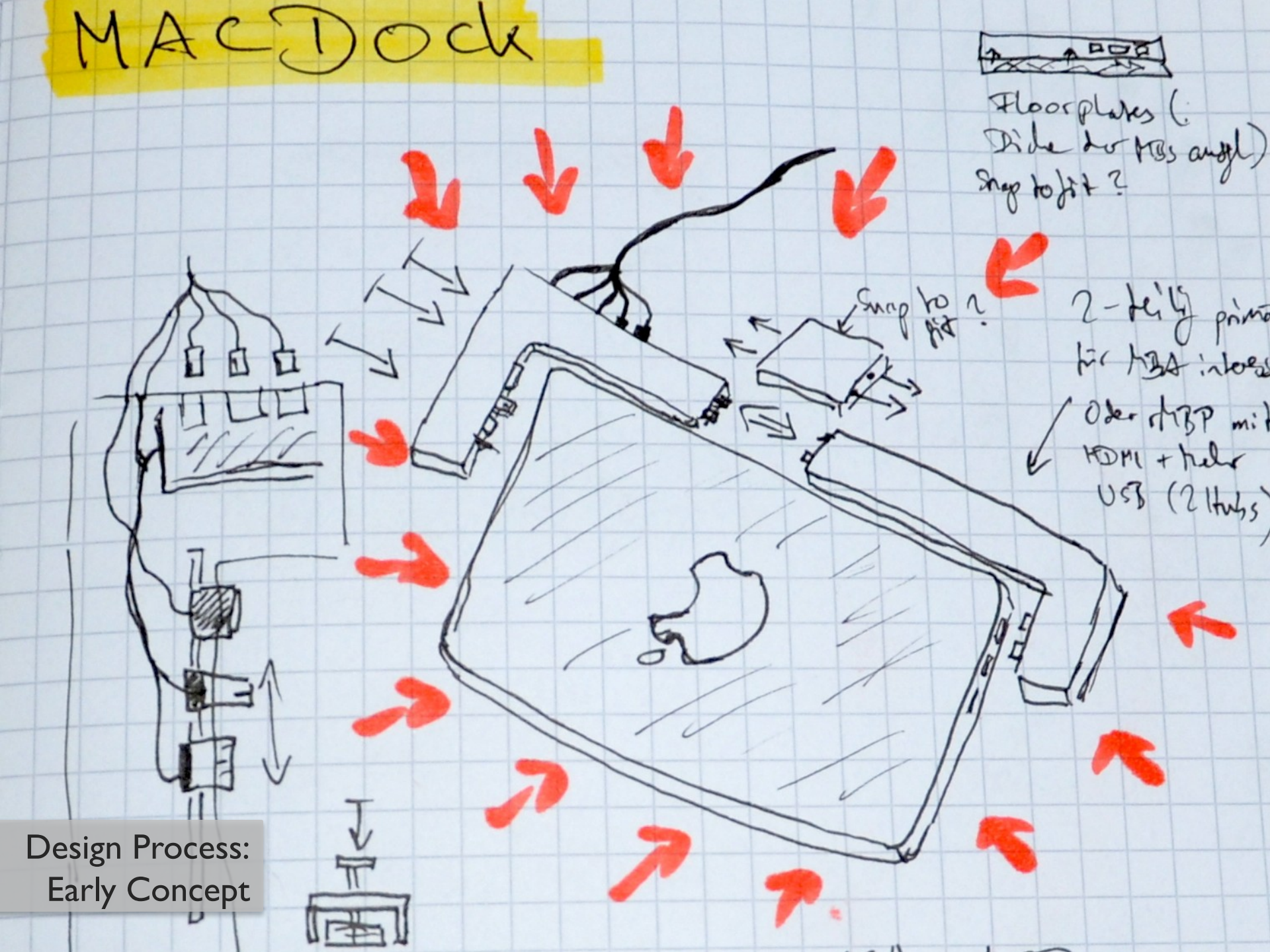


HackDock

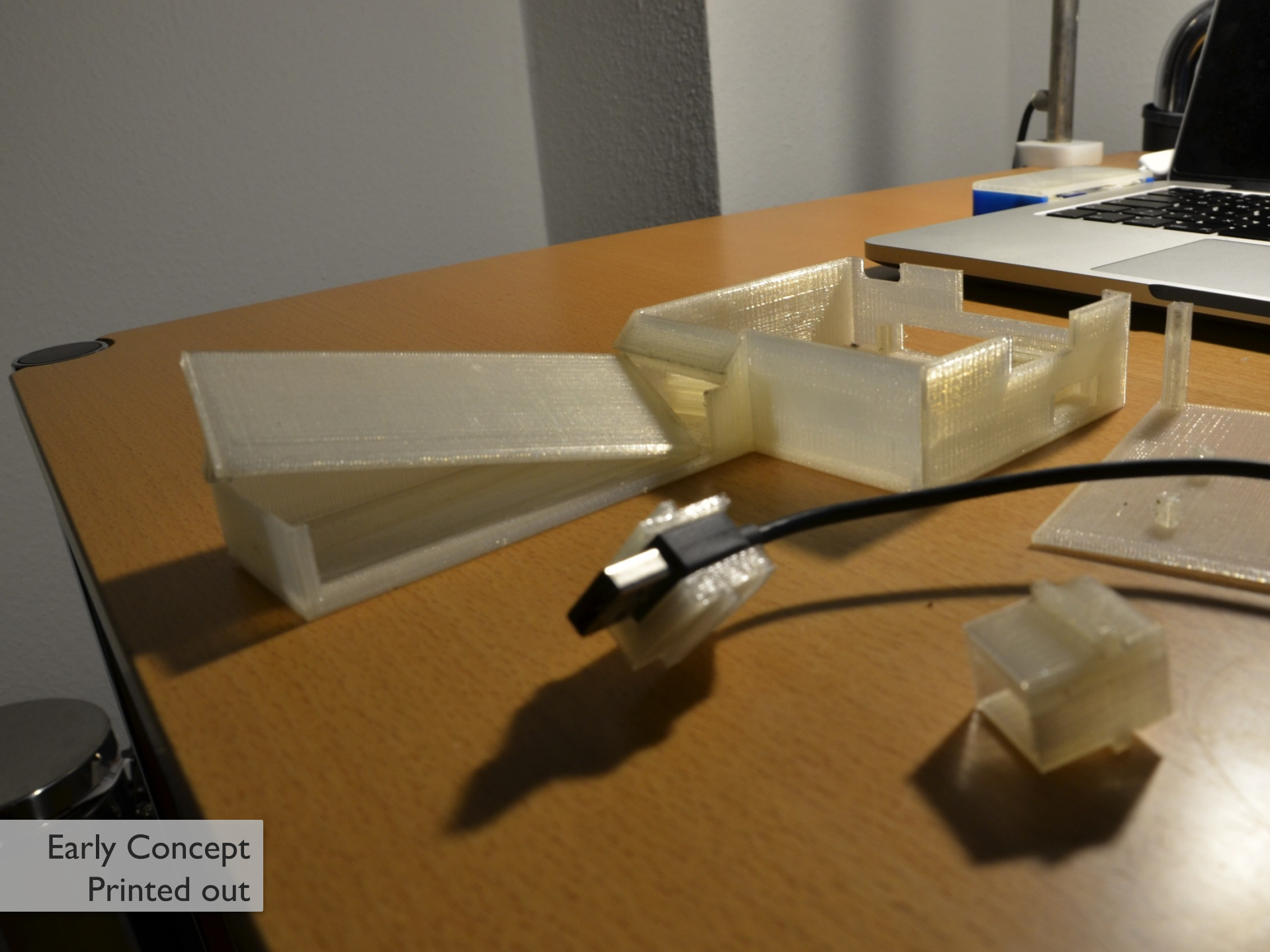
Cable clutter,
Multiple plugs

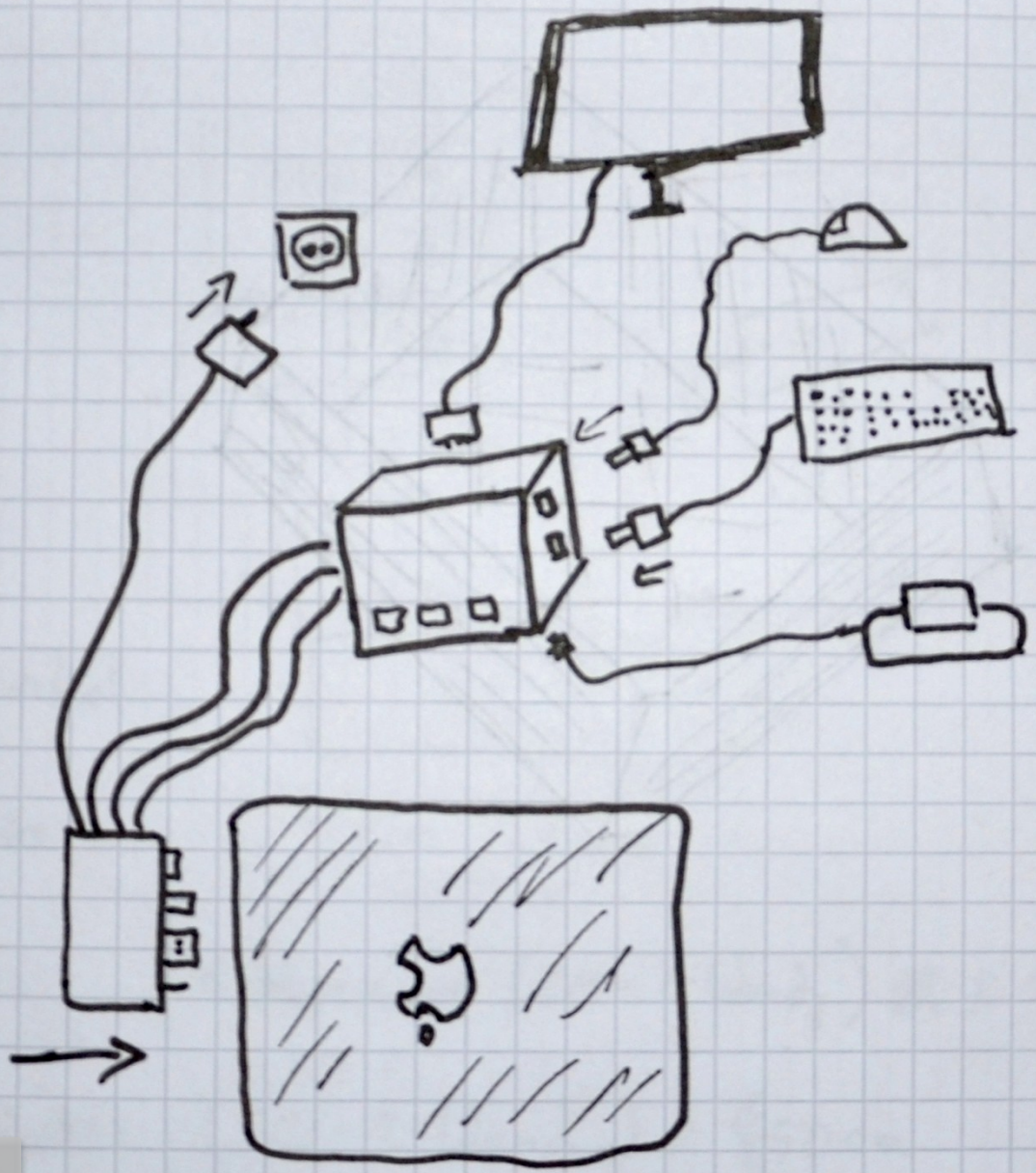


1. Simplicity
2. Hack-ishness
3. Flexibility
4. Low Price



Design Process:
Early Concept

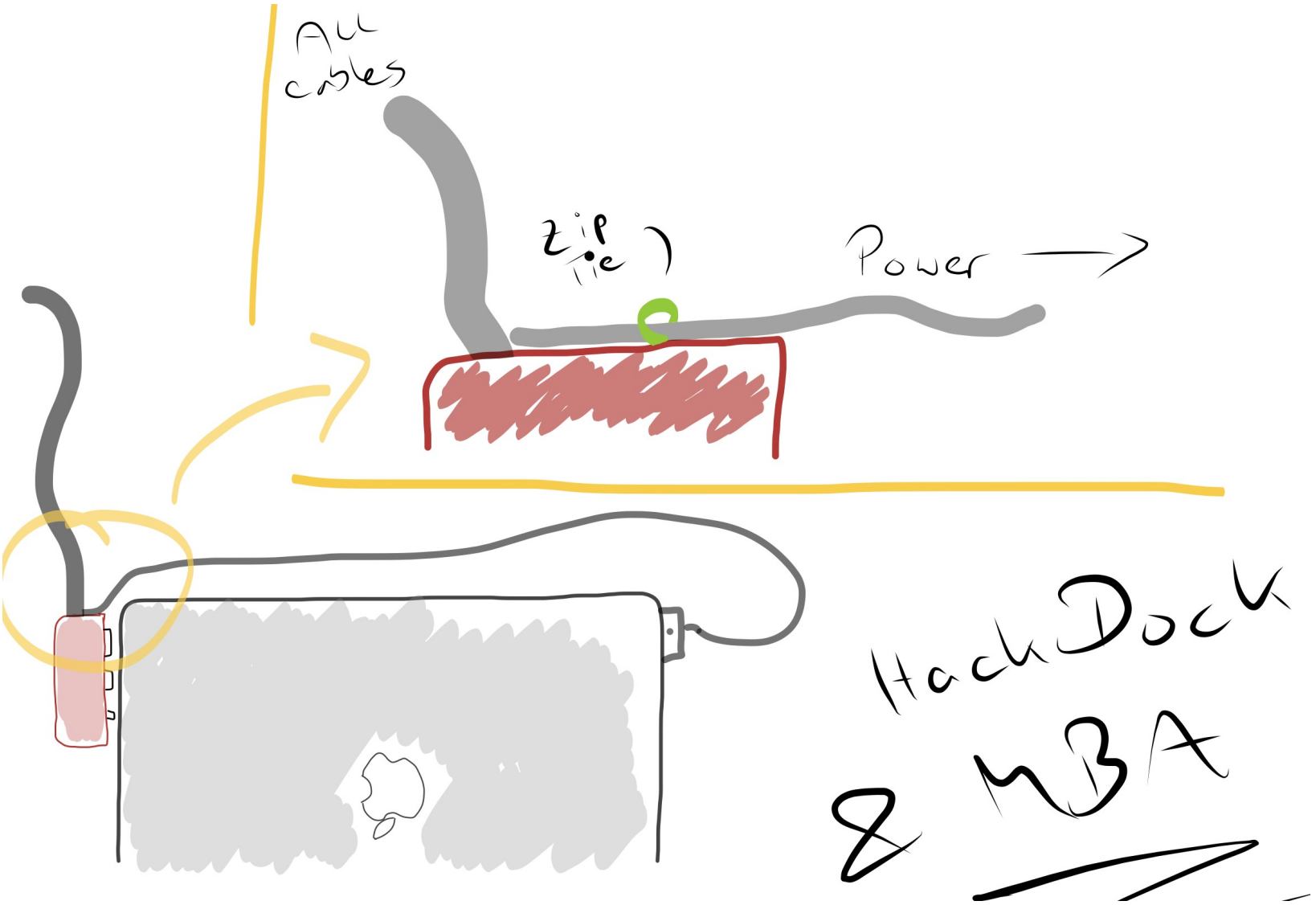

Early Concept
Printed out



Back to the drawing board


Hardware Sketching /
Prototyping

Hardware Sketching / Prototyping



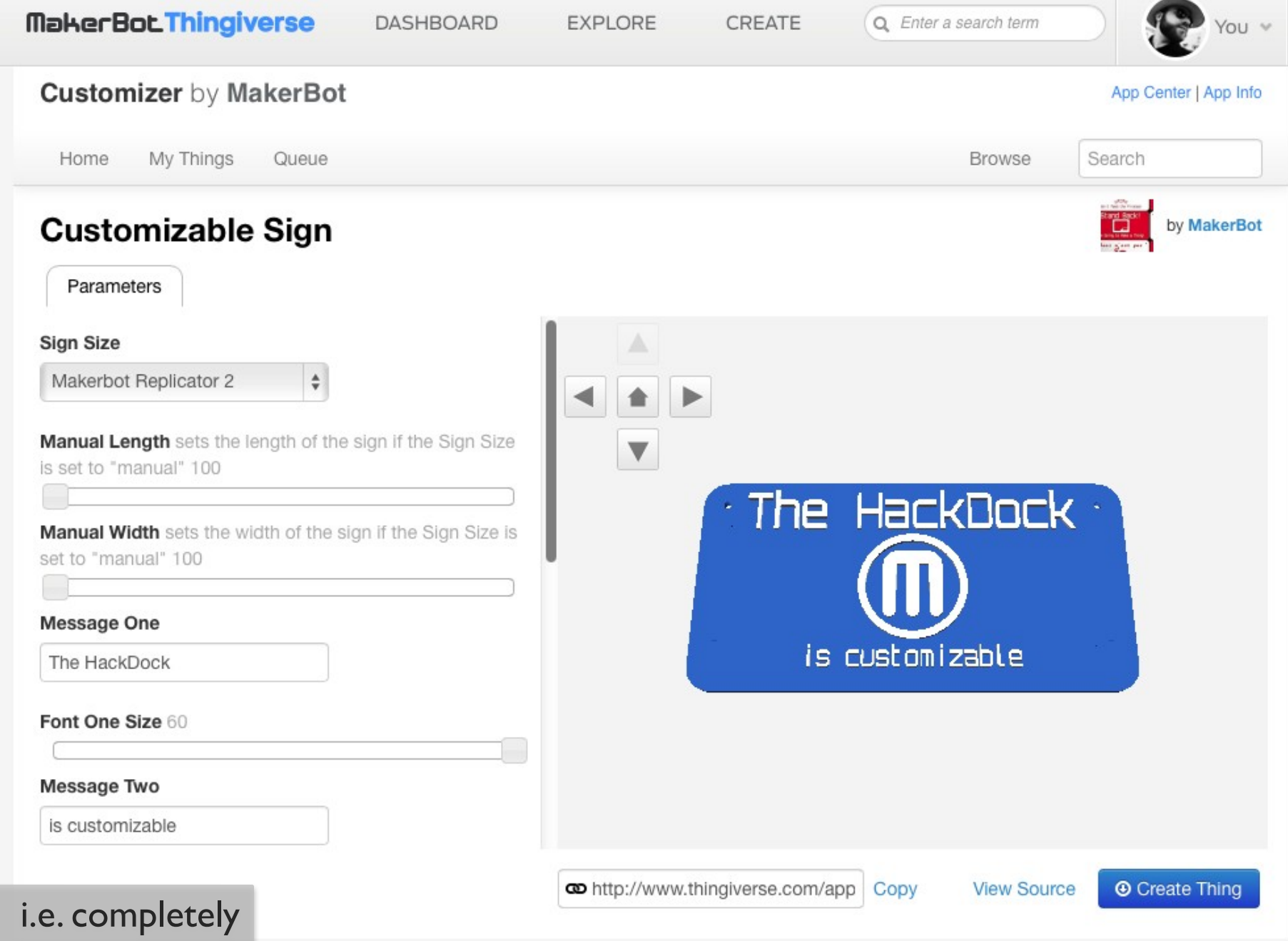
Works with
different Notebooks

The HackDock:
Base Unit

The HackDock:
Base Unit

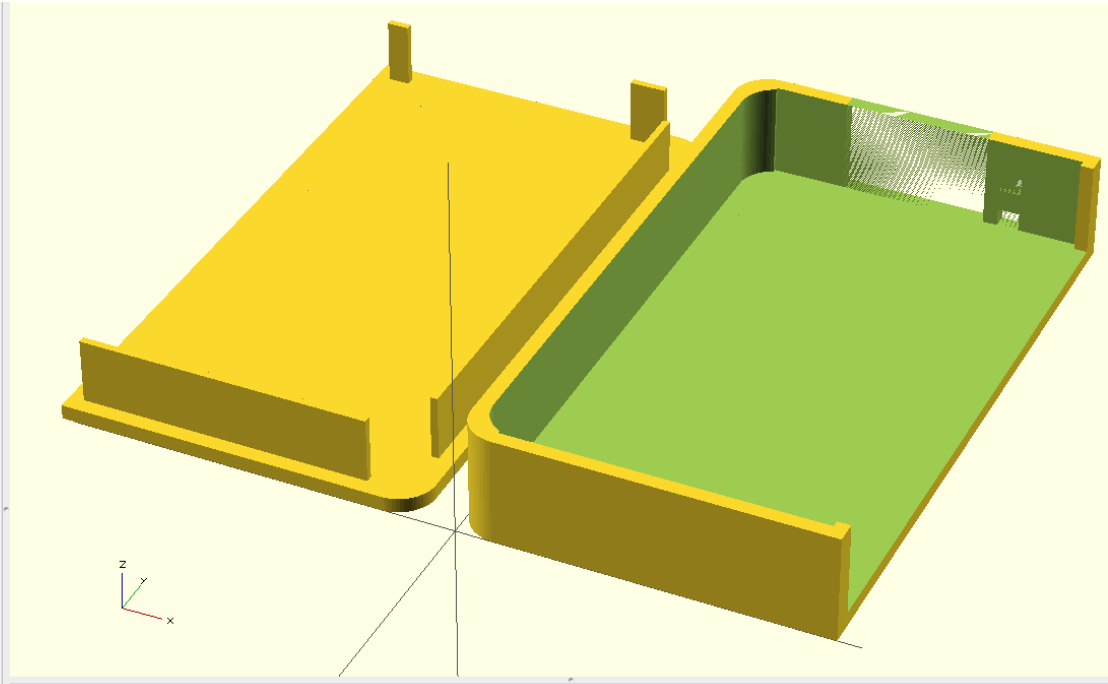
The HackDock:
Connector

The HackDock:
Connector



i.e. completely Customizable!

```
nd add 1-2mm to leave space for the Sugru.
height = 15;



/* [Hidden] */

//Wall thickness
wall = 2;

// This is the measurement for sliding elements
slide = wall+0.15;



// Basic shape of the connector, up until now solid
module basicshape() {

    translate ( [width/2,length/2,height/2] )
roundedBox([width, length, height], 5, true);

    translate ( [5,0,0] )
cube ( [width-5, length, height] );
}



//Smaller (by the Wall thickness) but otherwise same shape: The inner cavity of the connector
module innercavity() {

    translate ( [ (width/2)+wall, (length/2), (height/2)+wall] )
roundedBox([width, length-2*wall, height], 5, true);

    translate ( [5,wall,wall] )
cube ([width, length-2*wall, height]);
}


//Opening for cables
module cableopening() {

    translate ( [ (width-20)/2, length-wall, wall] )
cube ( [20, wall+1, height-wall] );
}

//Openings for ziptie

module ziptieopenings() {

    translate ( [ width/2+12, length-wall, wall] )
cube ( [3, 4, 2.5] );

    translate ( [ width/2+12, length-wall, wall+5.5] )
cube ( [3, 4, 2.5] );
```




```
Module cache size: 0 modules
Compiling design (CSG Tree generation)...
Compiling design (CSG Products generation)...
PolySets in cache: 18
PolySet cache size in bytes: 42256
CGAL Polyhedrons in cache: 0
CGAL cache size in bytes: 0
Compiling design (CSG Products normalization)...
Normalized CSG tree has 63 elements
CSG generation finished.
Total rendering time: 0 hours, 0 minutes, 0 seconds
```

Completely parametrized

Oliver Stickel

About The HackDock Archive

The HackDock

HackDock

If you are like me and use your notebook as your main computer[1], you may be as annoyed as I was with having cables lying all over your desk as well as with having to plug in or unplug all those cables every time you want to take your notebook with you. I know I was, which is why I decided to build the HackDock. It is is an cheap, flexible, simple, yet still a bit hacky, 3d-printable docking solution for modern notebooks with a focus on MacBooks and Ultrabooks[2].

Accompanying Blog


Mission
accomplished