

## Manufacturing

### **Keyboard:**

#### *Parts to print:*

Keyboard stand 1-4 (2x 4 unique)

Keyboard frame 1-6 (6 unique)

Keyguard standoff normal and mirrored (2x 2 unique)

Keycaps (45x single) (6x double) (1x space)

#### *Parts to laser cut:*

Front plate 1/8" acrylic

Back plate 1/8" acrylic

Key guard 1/4" acrylic

Key Inserts 1/8" acrylic (51 total)

### **Mouse:**

#### *Parts to print:*

Mouse Frame Cap

Mouse Frame Base

Mouse Trackball support

Keycaps (5)

#### *Parts to laser cut:*

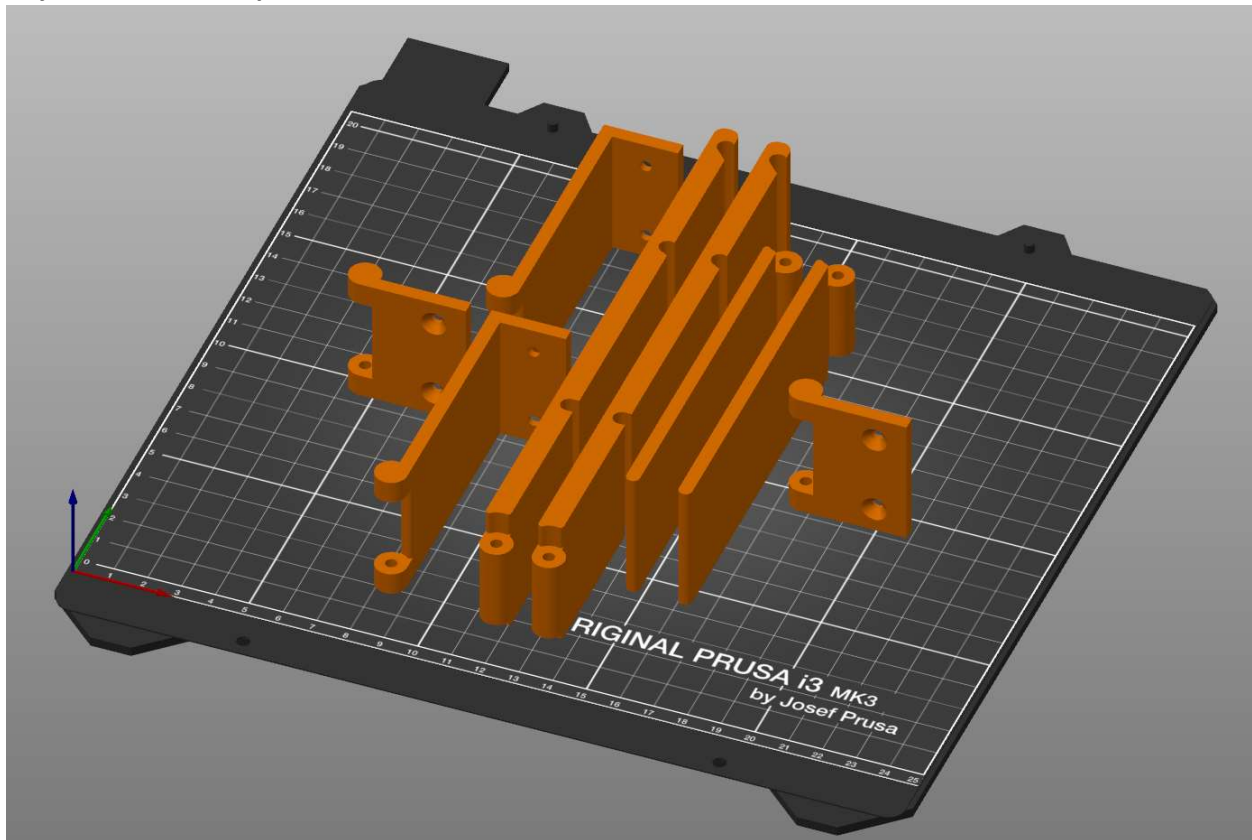
Key Inserts 1/8in acrylic (5 total)

The two devices are manufactured through a combination of laser cutting and engraving as well as 3d printing. The devices are assembled via bolts screwed into heat set inserts. These inserts are shown in the cad model and are installed by pushing them into their corresponding holes with a soldering iron. The parts can then be fitted together with screws. The printed keycaps are attached to the supplied mechanical key caps with epoxy or another suitable adhesive and the laser cut key cap inserts are slotted into the printed keycaps and attached with the same method. This stack of three (or four in the case of the space bar) components are bonded and become a single keycap unit.

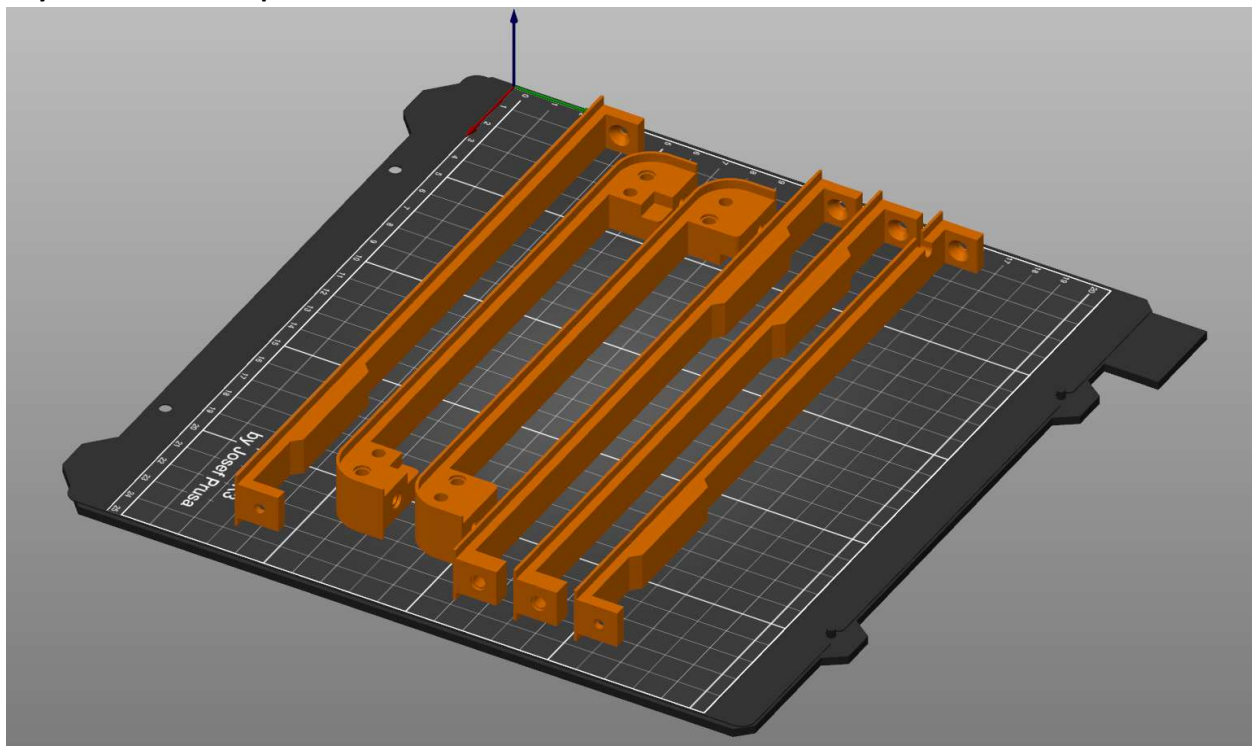
*If there are any questions with regards to assembly or manufacturing, please feel free to email me at [benwboston@gmail.com](mailto:benwboston@gmail.com)*

## Manufacturing

### Keyboard stand components

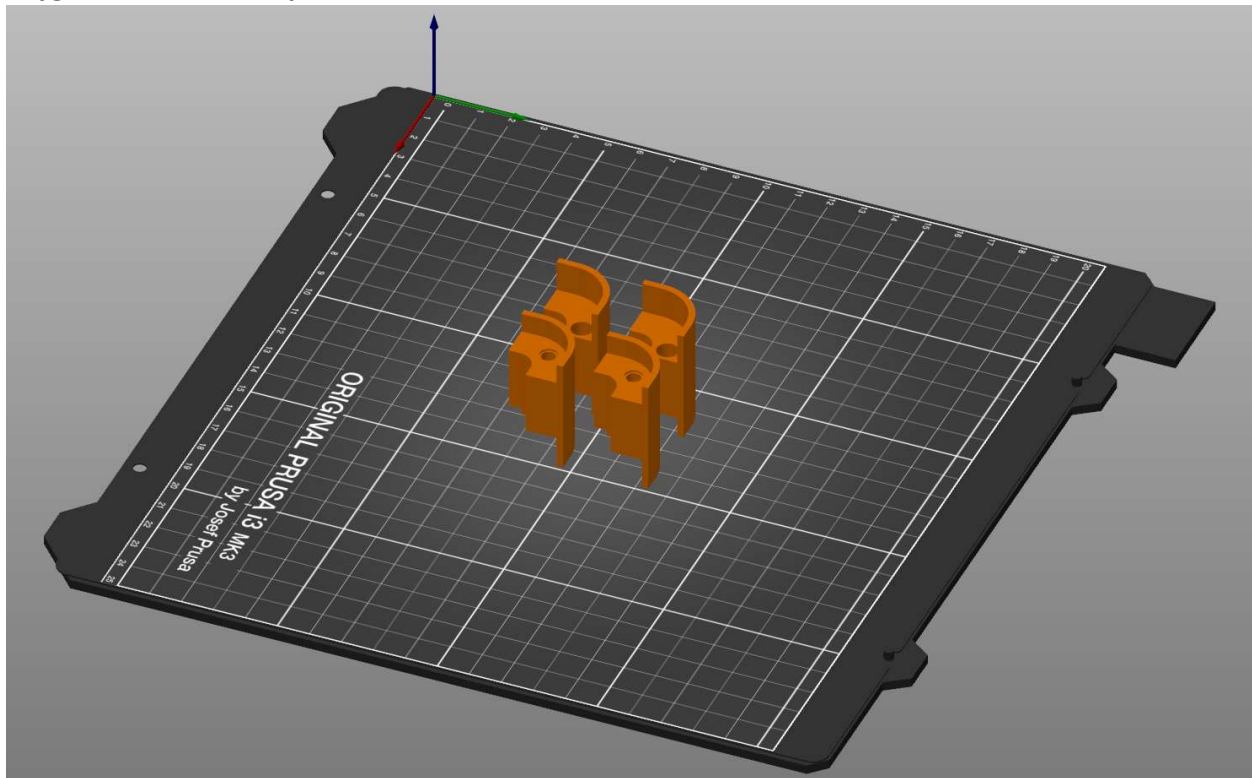


### Keyboard frame components

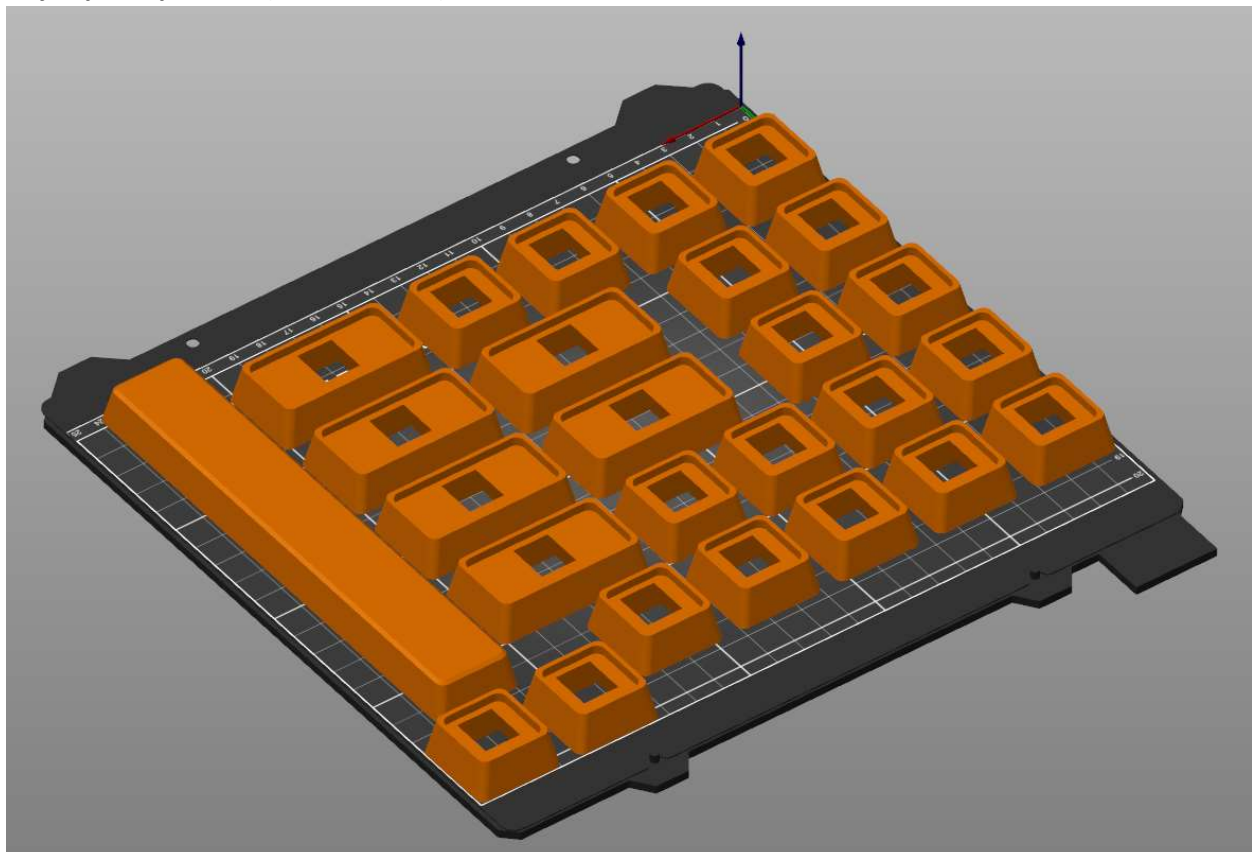


## Manufacturing

Keyguard standoff components



Key cap components (not all shown)



## Manufacturing

### Mouse components

