# 3D Printing Summary

|  |  |
| --- | --- |
| **Metrics** | **Joystick** |
| Total Print Time (min) | 167 |
| Total Number of Components | 2 |
| Typical Total Mass (g) | 39 |
| Typical Number of Print Setups | 1 |

# 3D Printing Settings

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Print File Name** | **Qty** | **Total Print Time (hr:min)** | **Mass (g)** | **Infill (%)** | **Support (Y/N)** | **Layer Height/ Nozzle Diameter(mm)** | **Notes (orientation, special settings, etc)** |
| joystick\_top.stl | 1 | 1:05 | 16 | 20 | N | 0.2/0.4 | Print in orientation given in STL |
| joystick\_base.stl | 1 | 1:42 | 23 | 20 | N | 0.2/0.4 | Print in orientation given in STL |
| U-shaped\_ Joystick\_Topper.stl  (If requested) | 1 | 4:22 | 45 | 20 | Y | 0.2/0.4 | Support plate on build plate only |

# Post-Processing

The 3D printed joystick top and base print without supports. If the requestor wants the U-shaped Joystick Topper, it prints with supports that will have to be removed.

# Customization Options

The used can request the U-shaped joystick topper. They can also request that the device be printed in multiple colours.

# Examples of Quality Prints:

|  |  |  |
| --- | --- | --- |
| A picture containing blue, indoor, electronics, loudspeaker  Description automatically generated  **Top** | A picture containing indoor, blue  Description automatically generated  **Bottom** | A black hat on a white surface  Description automatically generated with medium confidence  **U-shaped Joystick Topper** |