# Required Components

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| *A picture containing wall, yellow, indoor  Description automatically generated* | **BILL OF MATERIALS**  3D printed switch top  3D printed switch bottom  3.5 mm mono cable  12mm tactile switch  **1**  **4**  **3**  **2** |

# Required Tools

* Soldering Iron and Solder
* Wire Strippers / Wire Cutters
* Hot Glue Gun and Glue

# Required Personal Protective Equipment (PPE)

* Safety Glasses

# Assembly Instructions

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| **01.**  Cut off the two leads on one side flush. | Bend the two remaining leads to make a 90° angle with the switch.  **02.** |
| Cut off the two plastic mounting lugs completely flush.  **03.** | **04.**  Cut the mono jack cable to the desired length. |
| Pull mono cable through the hole in the base of the switch.  **05.** | Use the wire strippers to strip 2cm.  **06.** |
| **07.**  Use wire strippers to strip 1.5cm off the individual wires. | Hold the wire behind the switch and wrap wires around the switch leads.  **08.** |
| Hold the switch in place and bend the wire in between the two switch leads.  **09.** | **IMPORTANT:** After soldering the two leads indicated in the white rectangle, test the switch by plugging it into a switch tester or assistive device.  **10.** |
| A picture containing yellow  Description automatically generated  Move the 3D printed base close to the switch and fit the cable in the 3d printed groove.  **11.** | **A picture containing yellow  Description automatically generated**  Add a small drop of hot glue. Do not add too much. Press down on the switch ensuring that it is sitting level.  **12.** |
| **A picture containing yellow  Description automatically generated**  **13.**  Bury the soldered joint and cable in hot glue. | A yellow pencil on a white surface  Description automatically generated with low confidence  Place the 3D printed top over the 3D printed base. Align the slot in the top with the joint on the bottom.  **14.** |
| **15.**  Apply pressure at one end of the top and snap the top onto the base. Then apply pressure to the other end. | **16.**  Move the top back and forth to insure it is fully snapped on and can rotate freely without friction. |