

# Low Profile Switch ASSEMBLY GUIDE

## Required Components



## BILL OF MATERIALS

- |          |                             |
|----------|-----------------------------|
| <b>1</b> | 1x 3D printed switch top    |
| <b>2</b> | 1x 3D printed switch bottom |
| <b>3</b> | 1x 3.5 mm mono cable        |
| <b>4</b> | 1x 12mm tactile switch      |

## Required Tools

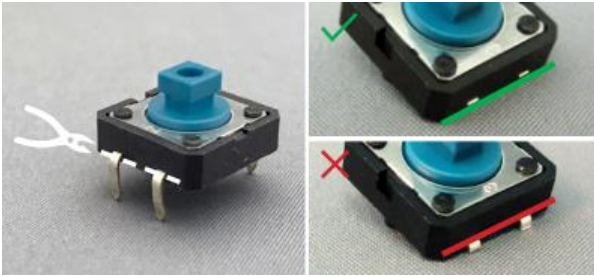
- Soldering Iron and Solder
- Wire Strippers / Wire Cutters
- Hot Glue Gun and Glue

## Required Personal Protective Equipment (PPE)

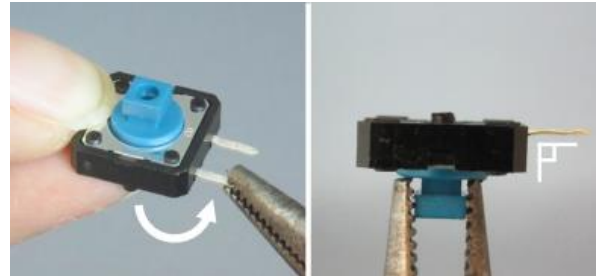
- Safety Glasses

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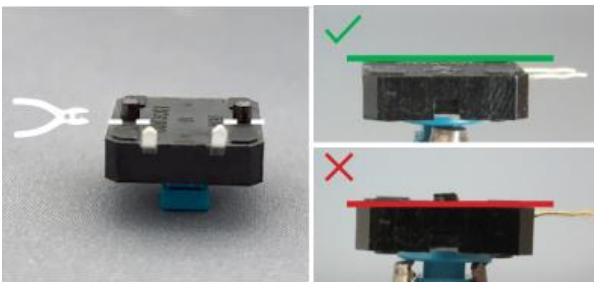
## Assembly Instructions



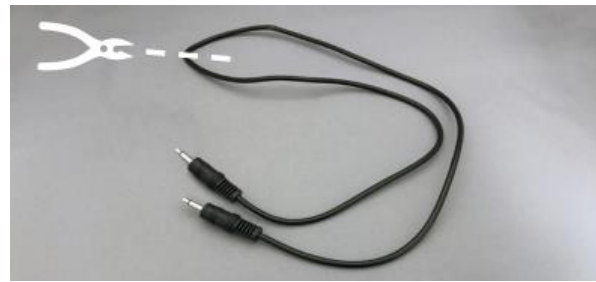
**01.** Cut off the two leads on one side flush.



**02.** Bend the two remaining leads to make a 90° angle with the switch.



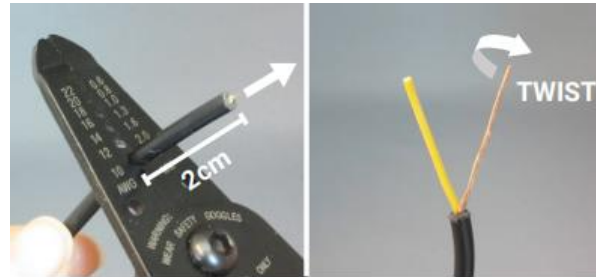
**03.** Cut off the two plastic mounting lugs completely flush.



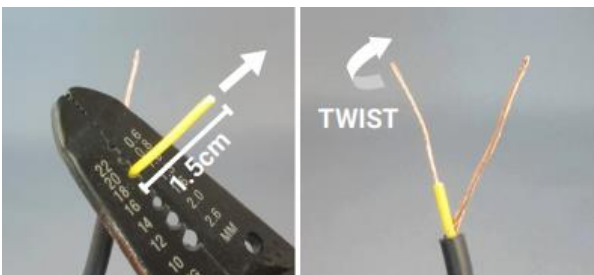
**04.** Cut the mono jack cable to the desired length.



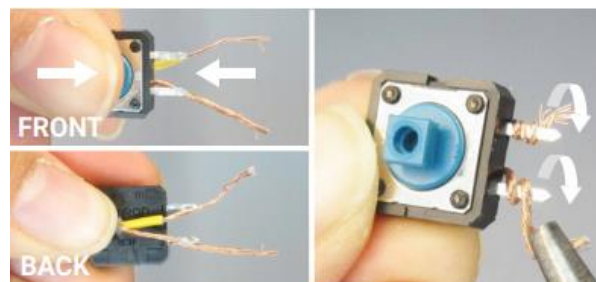
**05.** Pull mono cable through the hole in the base of the switch.



**06.** Use the wire strippers to strip 2cm.

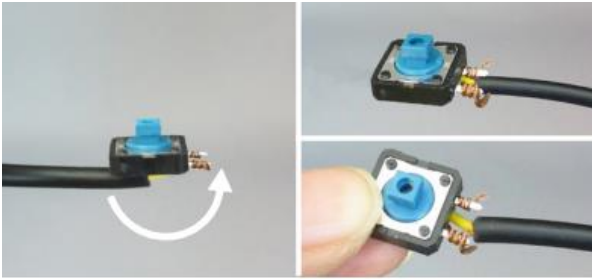


**07.** Use wire strippers to strip 1.5cm off the individual wires.

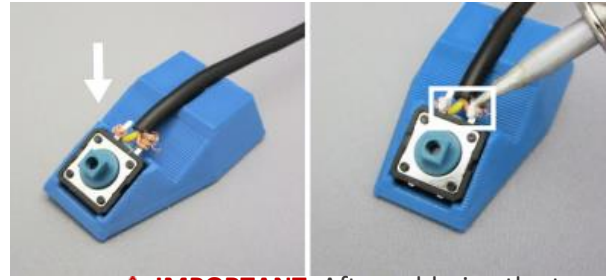


**08.** Hold the wire behind the switch and wrap wires around the switch leads.

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**09.** Hold the switch in place and bend the wire in between the two switch leads.



**10.** **⚠ IMPORTANT:** After soldering the two leads indicated in the white rectangle, test the switch by plugging it into a switch tester or assistive device.



**11.** Move the 3D printed base close to the switch and fit the cable in the 3d printed groove.



**12.** Add a small drop of hot glue. Do not add too much. Press down on the switch ensuring that it is sitting level.



**13.** Bury the soldered joint and cable in hot glue.



**14.** Place the 3D printed top over the 3D printed base. Align the slot in the top with the joint on the bottom.



**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.