

# Solderless Unibody Switch

## SUMMARY

### Title

Solderless Unibody Switch

### Subtitle

Low-Force Assistive Switch

### Overview

The Solderless Unibody Switch is a simple switch that enables the user to easily activate a button. This device is suitable for users with limited dexterity and finger movement. The unique design of the single-piece print and few electronic components enables the maker to build the device without the use of a soldering iron, allowing the device to be more accessible and buildable for makers.

### Usage

The Solderless Unibody Switch is a simple device that is meant to be made accessible to makers that don't have access to a soldering iron.

### Cost

~\$6 CA

### Build Instructions

#### SKILLS REQUIRED

Fine motor skills – Applying a small amount of super glue

Pulling – Tightening zip tie

Gripping – Using tools and using a lighter

#### TIME REQUIRED

Print – 25 min

Device assembly – 20 min

#### TOOLS

Super glue

Flush cutters

Wire strippers

Heat Gun / Lighter

Needle nose pliers (optional)

# Solderless Unibody Switch

## SUMMARY

### COMPONENTS

2x – 24-26ga. wire crimp connectors

1x – 3.5 mm mono cable

1x – 12 mm Tactile Switch

1x – 18 inch zip tie

### 3D PRINTING

1x – Solderless\_Unibody\_Switch.stl

## Attribution

Makers Making Change