

# PART 0B

## COMPONENT CHECKLIST



1

(1) Omron B3F-5050  
Tactile Switch  
[Digikey.ca](http://Digikey.ca)  
[Digikey.com](http://Digikey.com)

\*Or 2 quantities if building  
the double button



5

(1) Button bottom  
[Thingiverse - Single](#)  
[Thingiverse - Double](#)

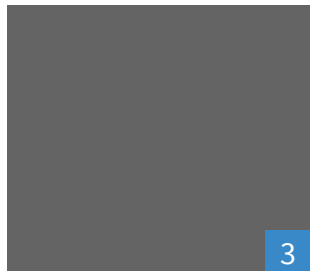
\*3D print files and print  
settings can be found in the  
link



2

(1) 3.5mm audio jack  
cable 3ft, mono or stereo  
[Primecables.ca](http://Primecables.ca)  
[Amazon.ca](http://Amazon.ca)  
[Amazon.com](http://Amazon.com)  
[All Electronics](#)

\*buy the one ended cable for  
the single button or double  
ended for the double switch



3

(1) 3mm OD pin x 18mm  
length  
Empty pen ink chamber  
[3mm metal pin](#)  
M3 bolt  
Split pin



4

(1) Button top  
[Thingiverse](#)

\*Or 2 quantities if building  
the double button

\*3D print files and print  
settings can be found in the  
link

# PART 0C

## EQUIPMENT CHECKLIST

- Small spool of lead-free solder wire
- Temperature adjustable soldering iron (350°C)
- Safety glasses
- Wire strippers
- Side cutters
- Glue gun
- Glue gun sticks
- Small fan (if possible, fume extractor)
- Pliers
- Xacto knife or hobby knife



= Solder the part outlined in the white outline

21

= Component number



### CAUTION

- Safety glasses should be worn at all times during the assembly.
- Be aware of electrostatic discharge when soldering
- Be aware that too much heat can damage component