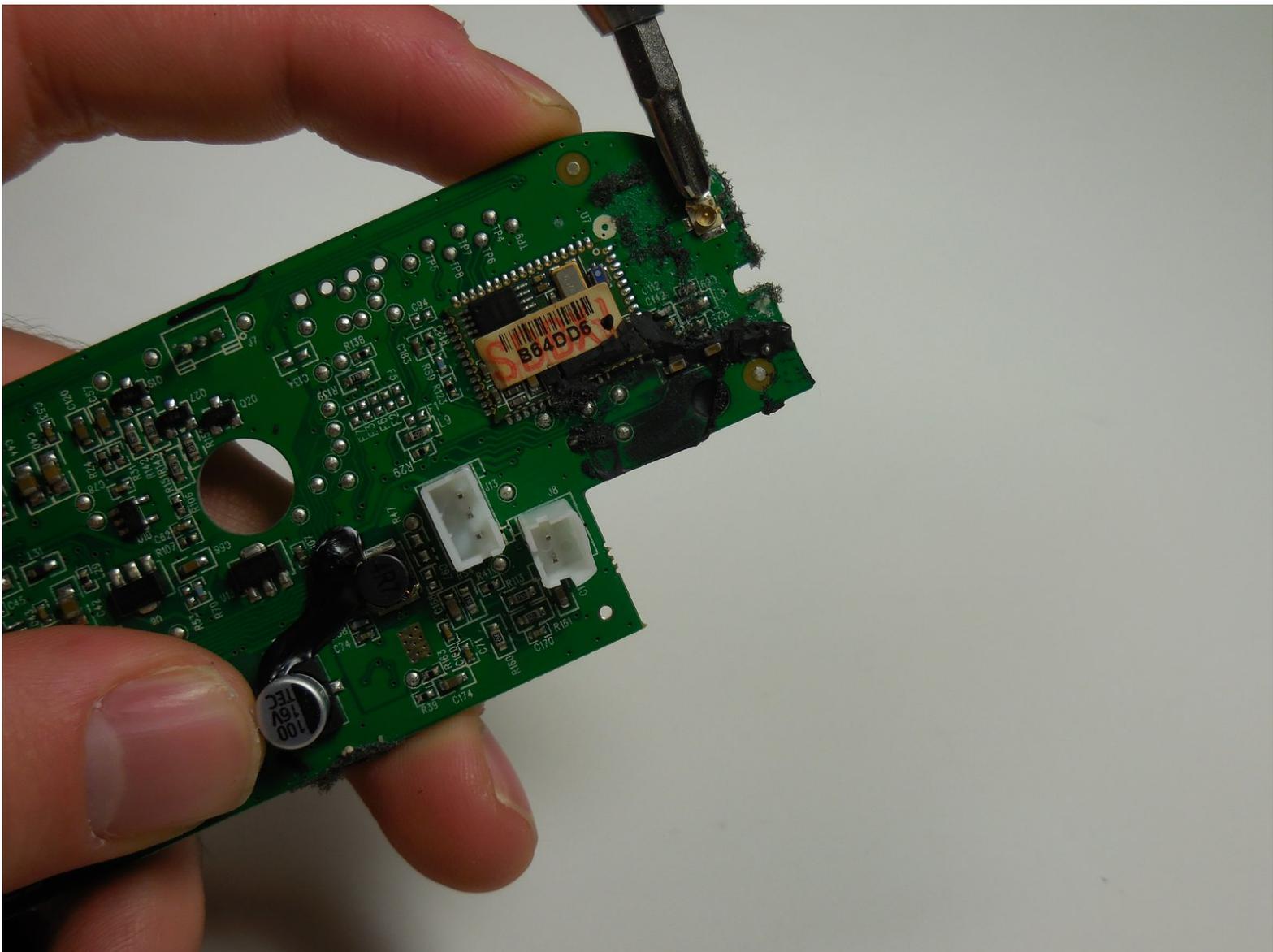




JBL Flip Bluetooth U.FL Antenna Connector Replacement

This guide will be showing you how to fix the Bluetooth U.FL antenna connector if it gets damaged during the assembly/disassembly process.

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INTRODUCTION

Within this guide users will be learning how to replace the Bluetooth U.FL antenna connector that the JBL Flip uses.

Please, check available distributors of this parts here:

<https://octopart.com/u.fl-r-smt%2810%29-...>

And more information about the U.FL connector here:

https://en.wikipedia.org/wiki/Hirose_U.F...

If you do not know how to safely solder/unsolder, please visit the following link [How To Solder and Desolder Connections](#).

TOOLS:

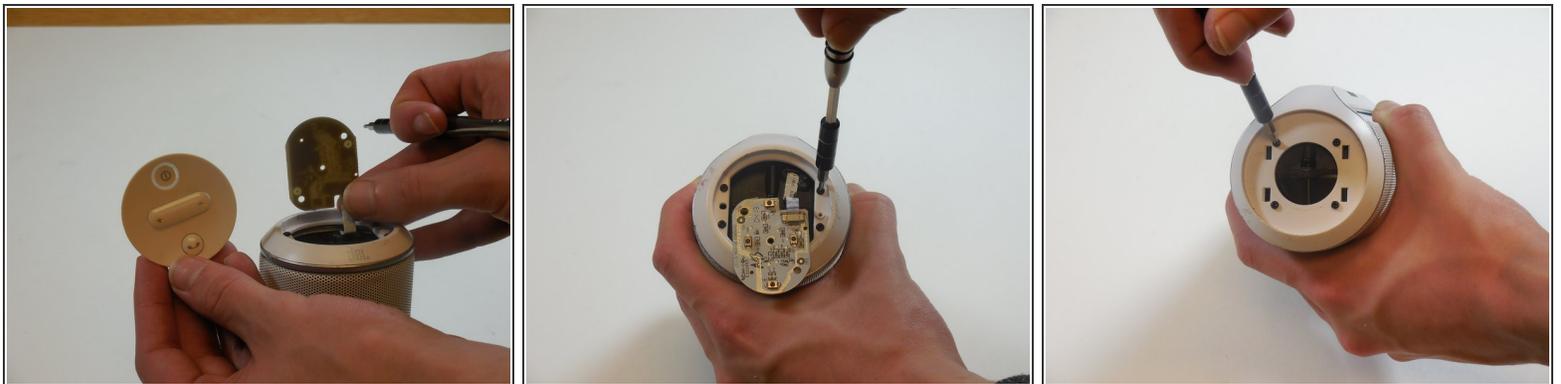
- [Portable Soldering Iron](#) (1)
- [Soldering Wire](#) (1)
- [Phillips #1 Screwdriver](#) (1)
- [Phillips #2 Screwdriver](#) (1)

Step 1 — JBL Flip disassembly



- On the end with the buttons, remove the end cap using the flat head screwdriver to get between the rubber lining and the plastic.
- After the cap is removed, unscrew the two 3.3mm screws using a size 1 ph screw driver.

Step 2



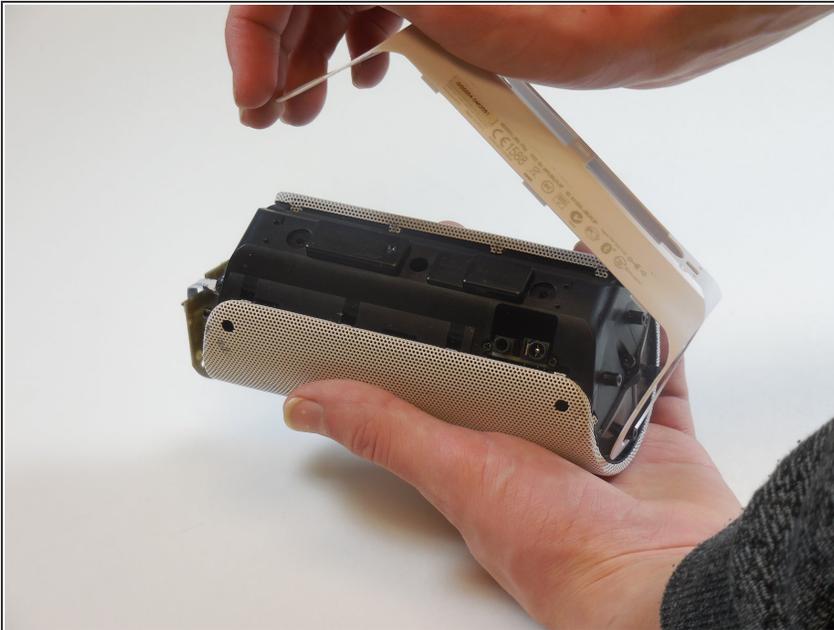
- Unscrew four 3.3mm screws on each end of the JBL using a size 1 ph screw driver (8 screws total).

Step 3



- Remove outermost white casing by gently lifting up on one side.
- Remove two 5mm screws holding the silver back plate in place with a size 2 ph screw driver.
- Gently lift up and remove the silver casing.

Step 4



- Remove last white back plate to expose the back of the speaker cover.

Step 5



- Pry the four tabs on each side of the speaker cover (8 tabs total).
- Pry the two tabs on each end to remove the cover (4 tabs total).
- Slide speaker out of metal speaker cover.

Step 6



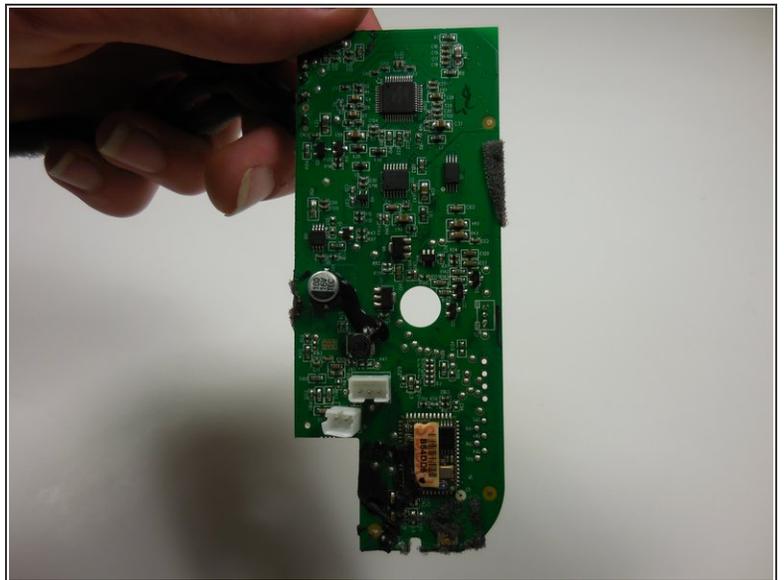
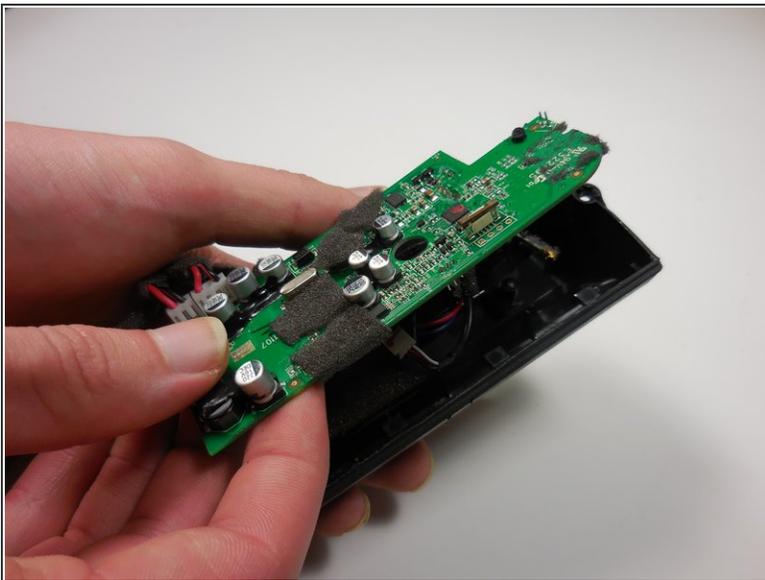
- Remove 5mm screw in the middle of the back of the device with a size 2 ph screw driver.
- Unscrew the two 5mm screws on each side using a size 2 ph screwdriver.
- Open the speaker.

Step 7 — Bluetooth Antenna U.FL Connector



- Use the prerequisite guide for removing the speaker housing.

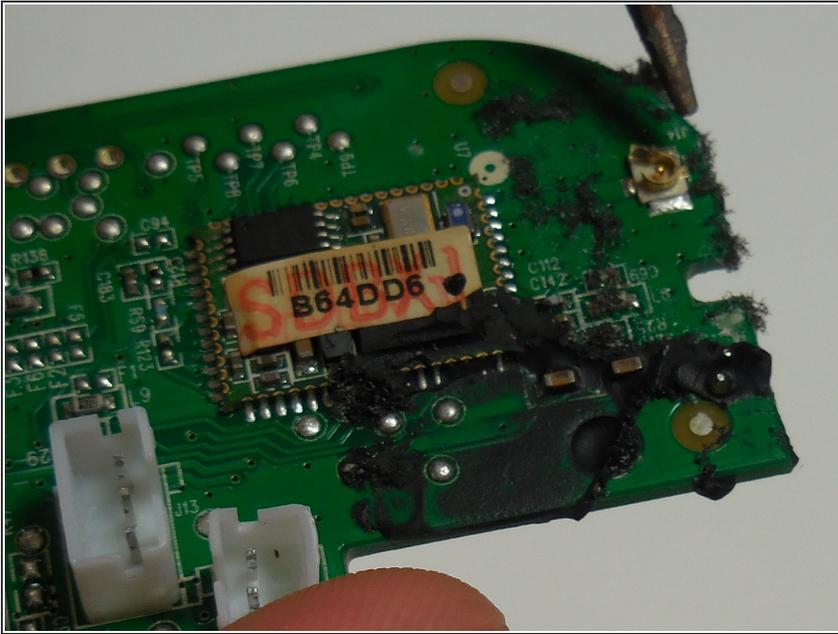
Step 8



- Disconnect all cables that are attached to the motherboard so that it resembles the step picture.

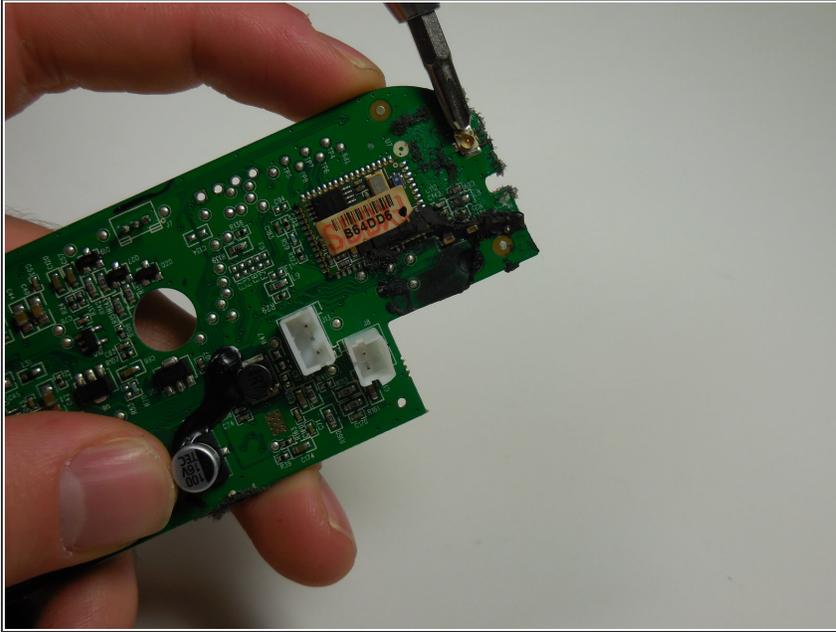
⚠ Make sure that the battery is turned off before removing cables.

Step 9



- Locate the underside of the motherboard, where the square U.FL antenna connector is.

Step 10



- Use the soldering iron to desolder the U.FL antenna connector. You might need to use a desoldering braid wire to remove the excess of solder.

⚠ Soldering iron will be very hot.

- Clean the PCB pads of any excess of solder with the soldering braid wire before continuing.
- Place the new U.FL connector on the pads where the desoldered connector was. Make sure the orientation of the connector is the same as before.
- Solder the new U.FL connector to the PCB. Avoid excessive heat and/or prolonged soldering time during this step.

To reassemble your device, follow these instructions in reverse order.

Be careful when connecting again the mini coaxial cable to the just replaced U.FL antenna connector, so it does not get damaged again.