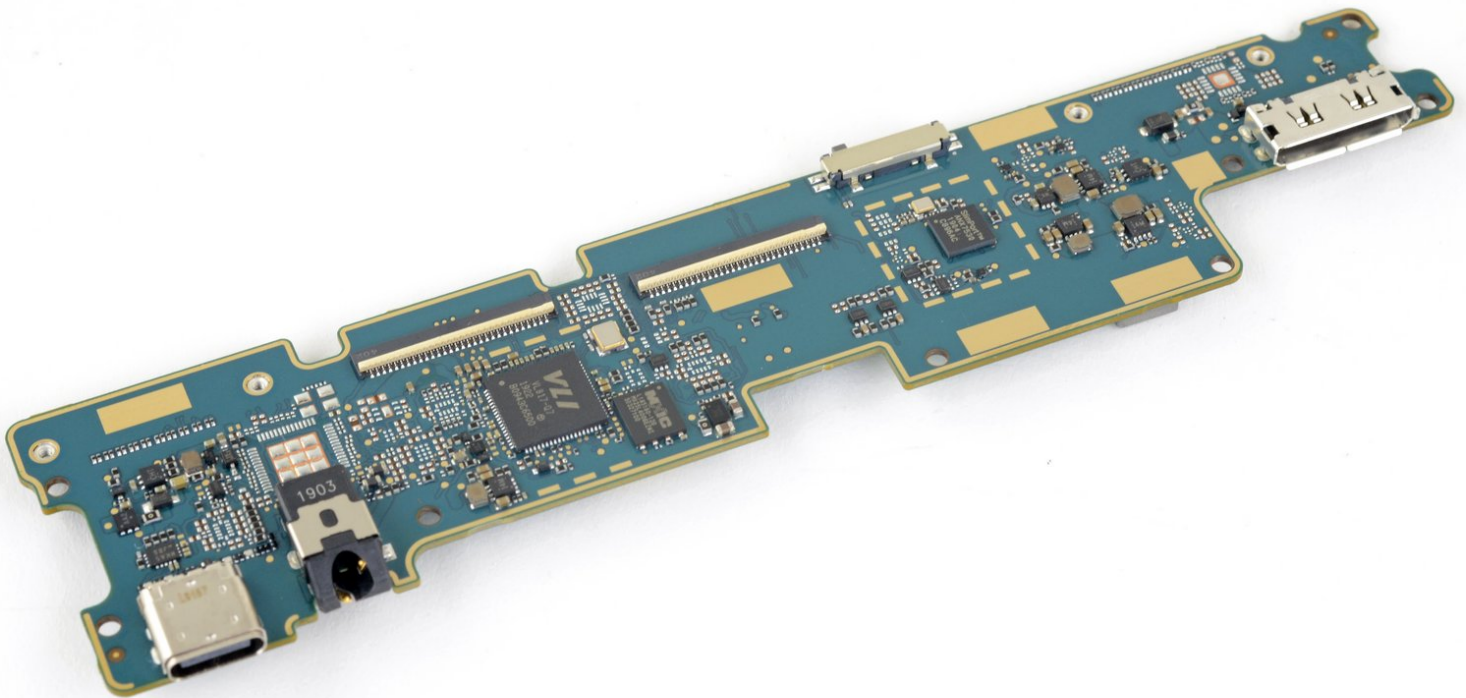




HTC Vive Cosmos Daughterboard Replacement

Remove and replace the daughterboard in an HTC Vive Cosmos.

Written By: Adam O'Camb



INTRODUCTION

Use this guide to replace the daughterboard in an HTC Vive Cosmos.

Make sure that the Vive Cosmos is powered off and disconnected from power before beginning disassembly.



TOOLS:

- [T5 Torx Screwdriver](#) (1)
- [Tweezers](#) (1)
- [Spudger](#) (1)
- [iFixit Opening Picks \(Set of 6\)](#) (1)



PARTS:

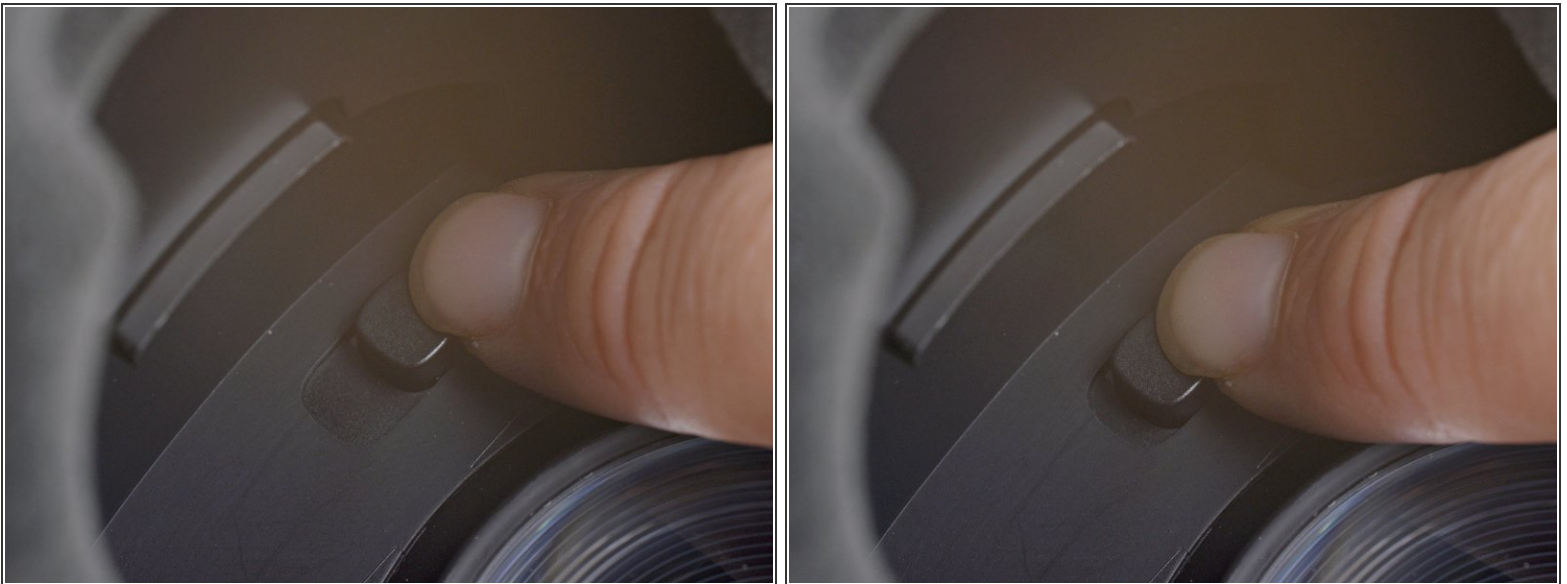
- [HTC Vive Cosmos Headset Daughterboard](#) (1)

Step 1 — Remove the facerest



- Pull the bottom of the facerest straight away from the Vive Cosmos to unclip it from the Vive.
- With the bottom unclipped, pull the top of the facerest away from the Vive to remove it.

Step 2 — Release the faceplate switch



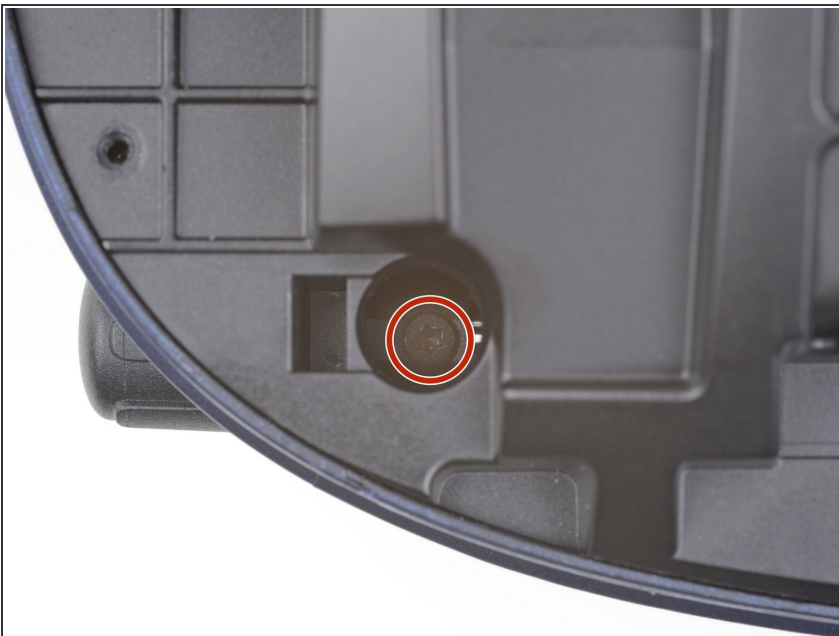
- Use your finger to push the sliding faceplate release switch, sitting to the left of the lenses, toward the bottom of the Vive.

Step 3 — Remove the faceplate



- While holding the switch in the bottom position, pull the faceplate straight up and away from the front of the Vive.
- Remove the faceplate.

Step 4 — Unscrew the focus knob



- Use a T5 Torx driver to remove the 4.1 mm long screw securing the focus knob.

Step 5 — Remove the focus knob



- Slide the focus knob out of the plastic housing, off of the focus rod, and remove it.

Step 6 — Unplug the audio connector



- Twist the 3.5 mm audio connector counter-clockwise slightly and slide its cable out from under the plastic retaining clip.
- Lift the audio connector straight up to unplug it.

Step 7 — Unscrew the LCD and motherboard assembly



- Use a T5 Torx driver to remove the three 4.1 mm long screws securing the LCD and motherboard assembly.

Step 8



- Gently peel up the stickers on either side of the front of the Vive. If possible, keep the stickers intact and reuse them.

Step 9



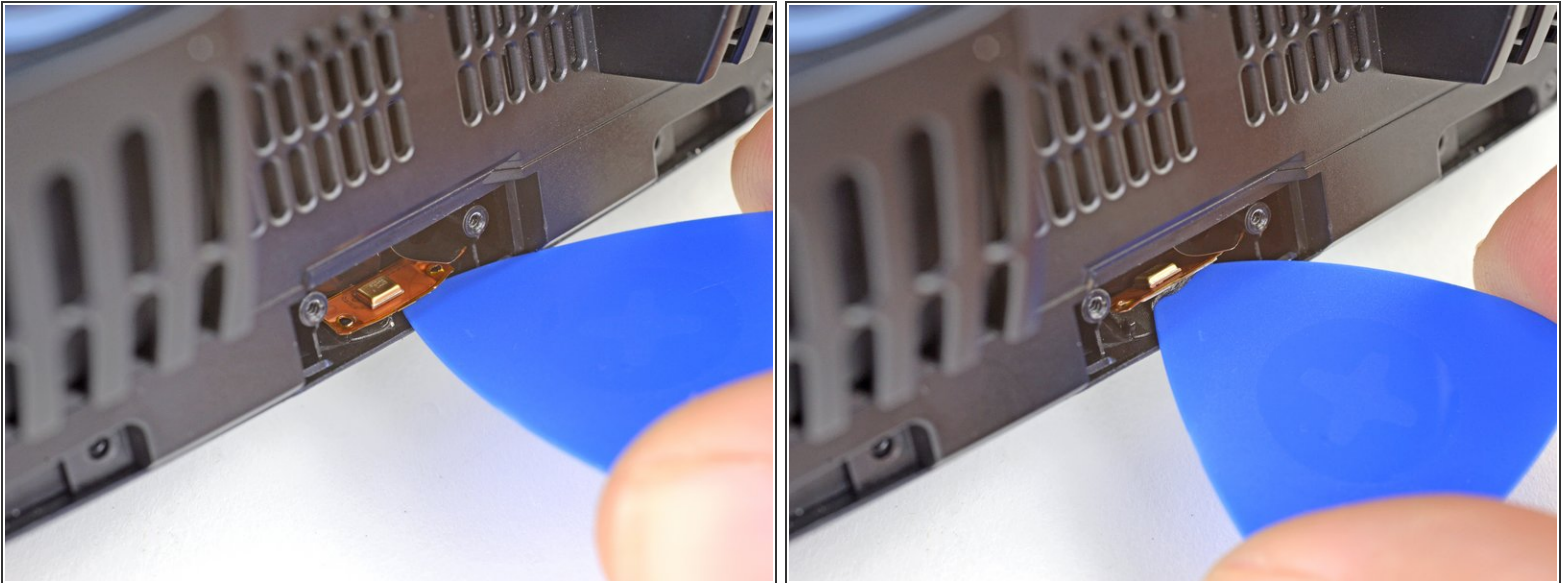
- Use a T5 Torx driver to unscrew the screws securing the upper component cover and the LCD and motherboard assembly:
 - Sixteen 4.1 mm long screws
 - One captive screw
 - ⓘ This screw is covered by a sticker. Poke your driver through the sticker to access the screw.
 - Two 4.1 mm long screws
 - ⓘ These screws are covered by stickers. Poke your driver through the stickers to access the screws.

Step 10 — Remove the microphone



- Remove the microphone cover from the bottom edge of the headset.

Step 11 — Separate the microphone adhesive



- Slide an opening pick under the microphone to separate the adhesive securing it to the Vive.
- ❗ If this is difficult, use a [heated iOpener](#), hair dryer, or heat gun to apply heat to adhesive.

Step 12 — Remove the upper component cover



- Angle the bottom end of the upper component cover away from the front of the Vive.
- Pull the upper component cover away from the front of the Vive and remove it.

Step 13 — Remove the camera connector covers



- Slide the camera connector covers on either side of the LCD and motherboard assembly away from the center off of the assembly and remove them.

Step 14 — Disconnect the cameras



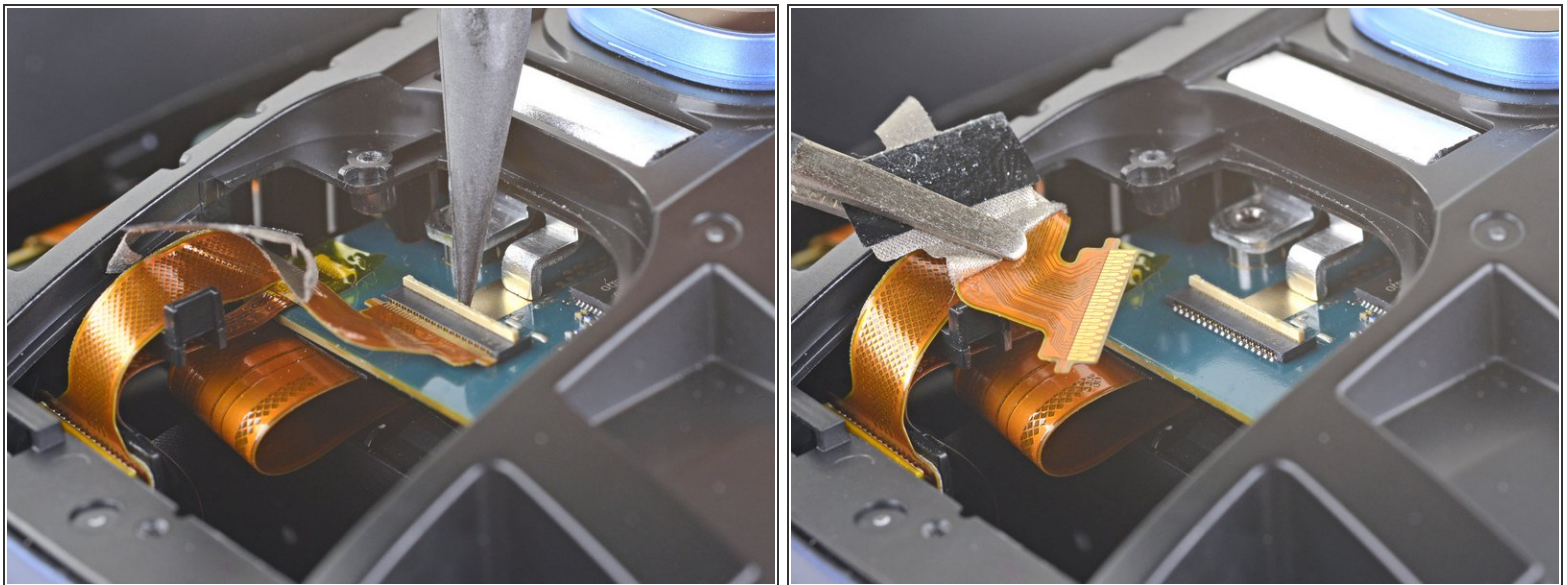
- Peel the tape over the right camera connector back enough to access the camera's ZIF connector underneath.
- Repeat the same process to peel back the tape over the left camera ZIF connector.

Step 15



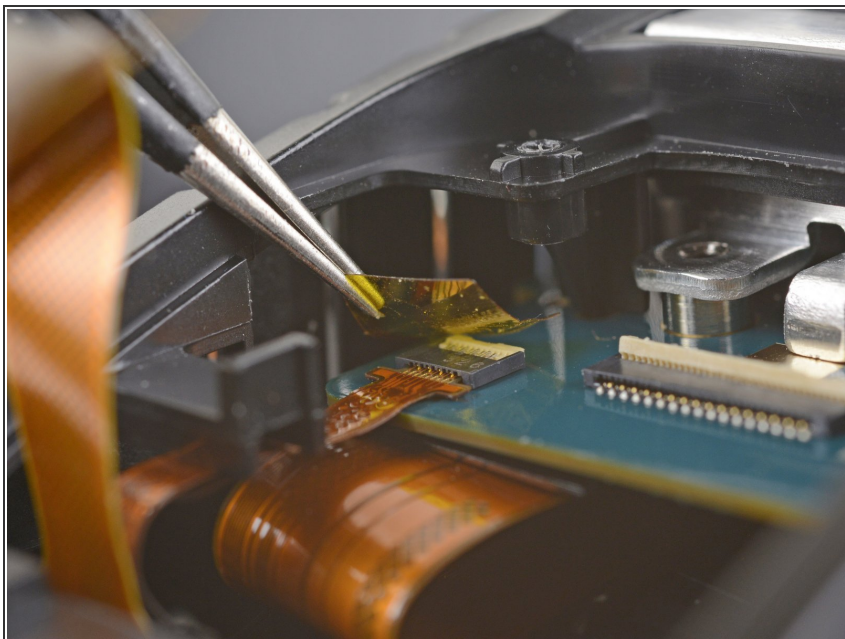
- Use the point of a spudger to flip up the small locking flap securing the right camera cable ZIF connector.
- Carefully slide the camera connector cable straight out of its socket on the motherboard.

Step 16



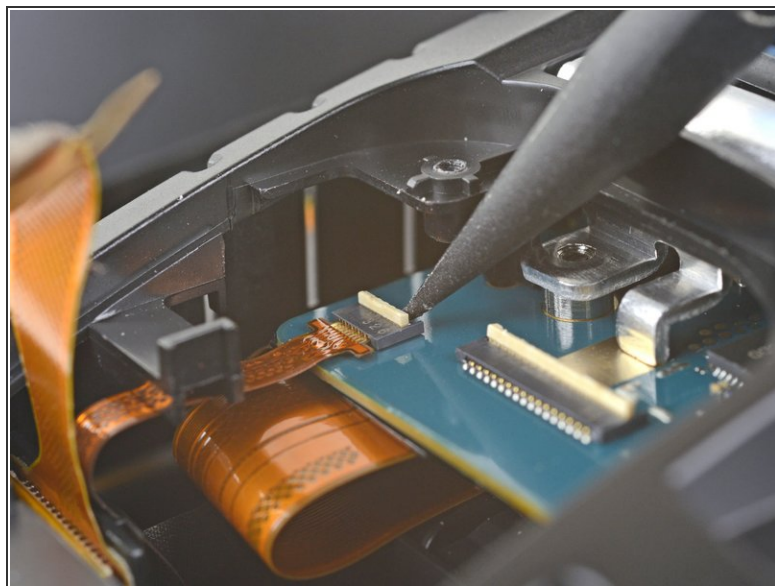
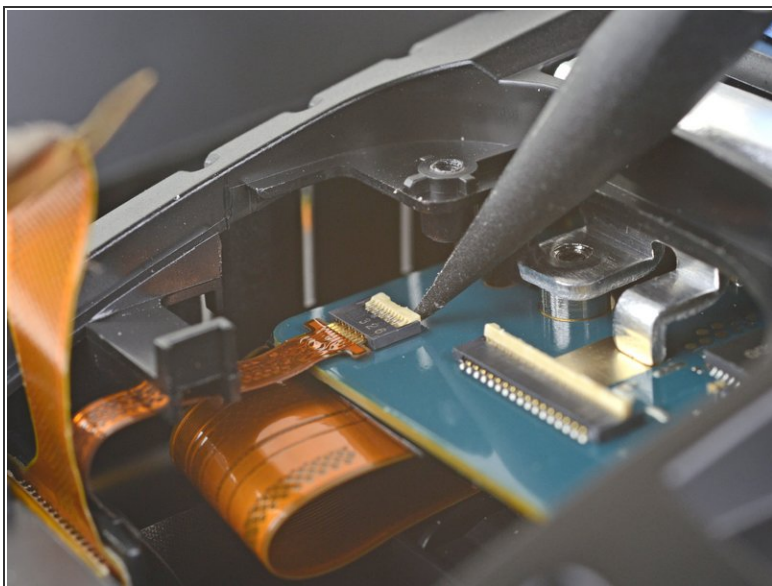
- Use the point of a spudger to flip up the small locking flap securing the left camera cable ZIF connector.
- Carefully slide the camera connector cable straight out of its socket on the motherboard.

Step 17 — Disconnect the microphone



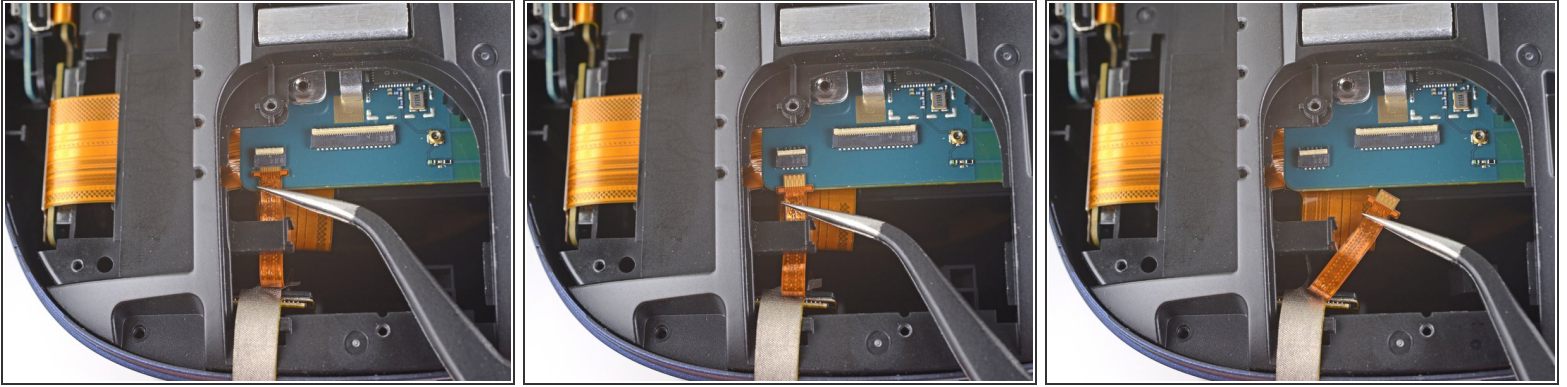
- Peel the yellow tape off of the microphone connector.

Step 18



- Use the point of a spudger to flip up the small locking flap securing the microphone cable ZIF connector.

Step 19



- Carefully slide the microphone connector cable straight out of its socket on the motherboard.
- With the cable out of its socket, slide the cable toward the bottom of the Vive and out of its clip on the LCD and motherboard assembly.

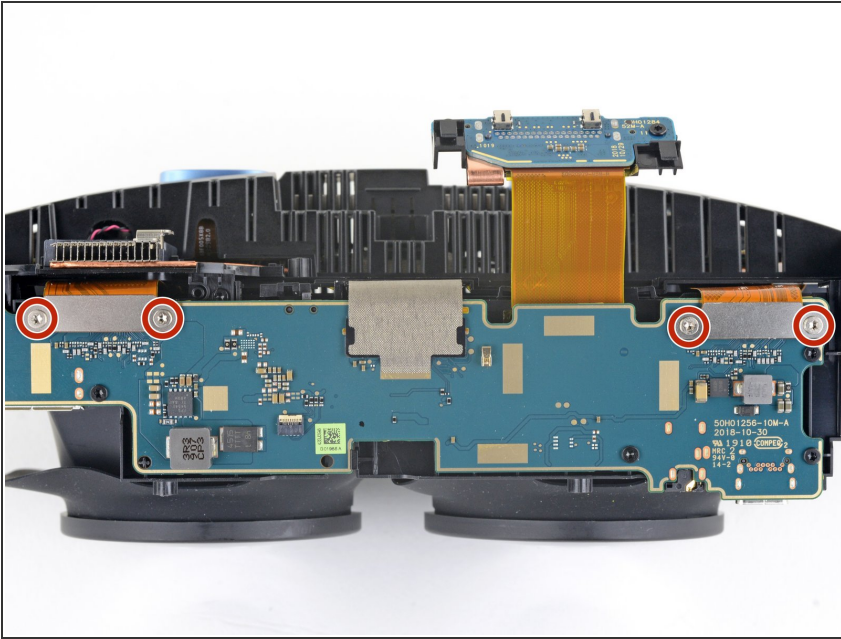
⚠ Take care not to crease or tear the cable while you're moving it.

Step 20 — Remove the LCD and motherboard assembly



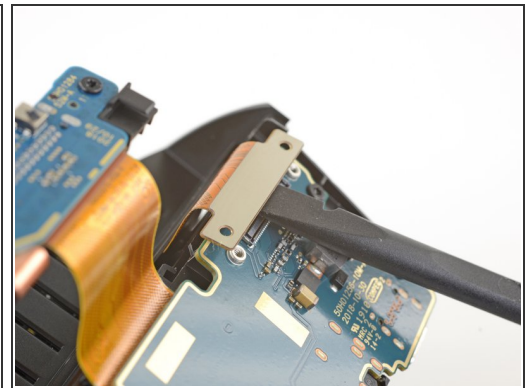
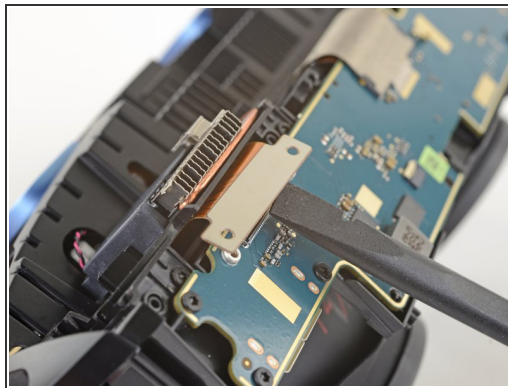
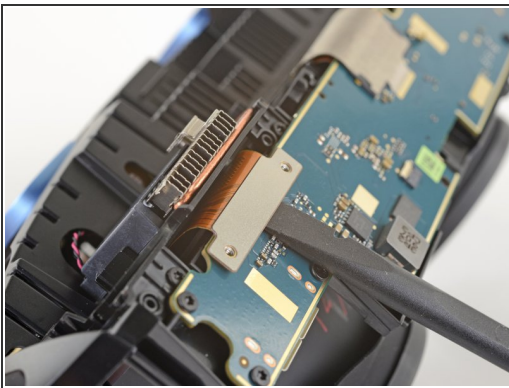
- Lift the LCD and motherboard assembly out of the headset.
- ⓘ The assembly is secured by clips around the edges. It may help to release the clips using a thin plastic tool, like an opening tool or a spudger.

Step 21 — Disconnect the LCD panels



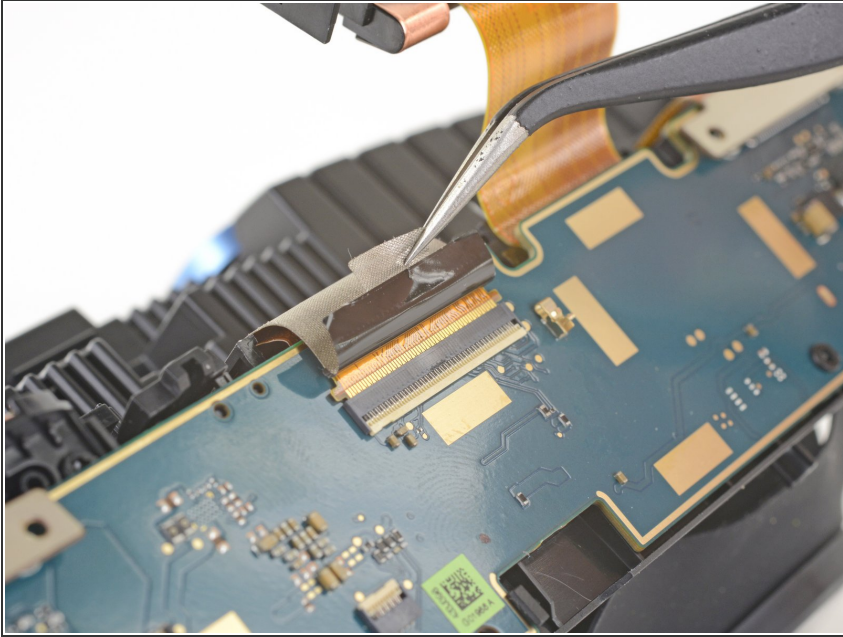
- Use a T5 Torx driver to remove the four 2.9 mm long screws securing the LCD connectors.

Step 22



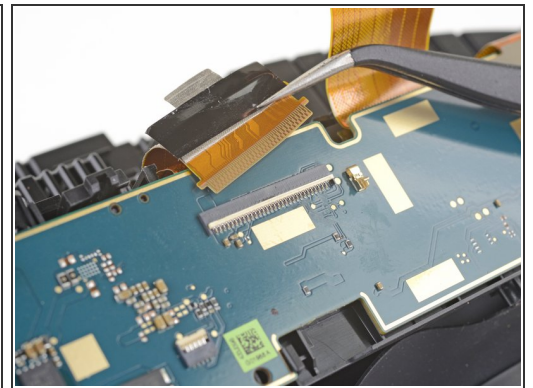
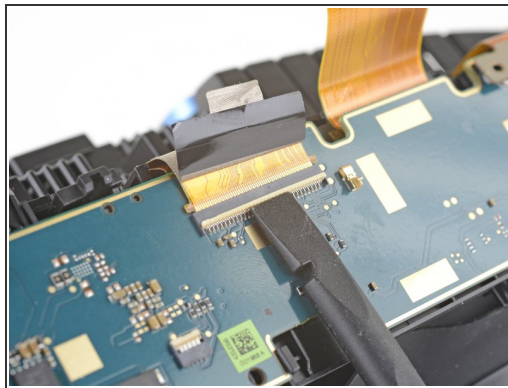
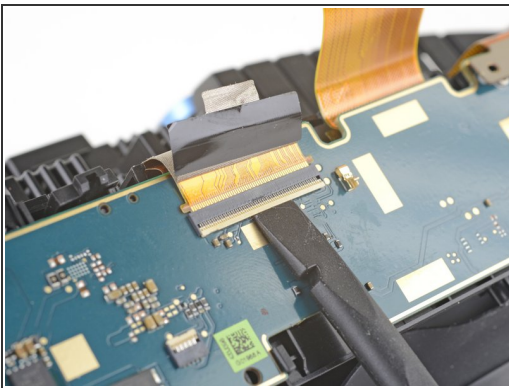
- Use the flat end of a spudger to pry the LCD connectors straight up and out of their sockets on the daughterboard.

Step 23 — Disconnect the interconnect cable



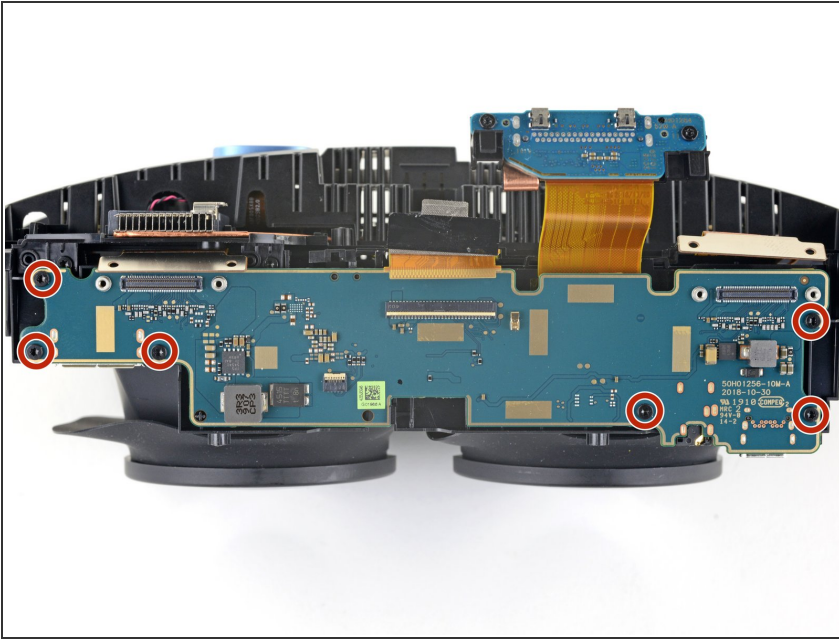
- Peel the tape over the motherboard interconnect cable back far enough to access the cable connector.

Step 24



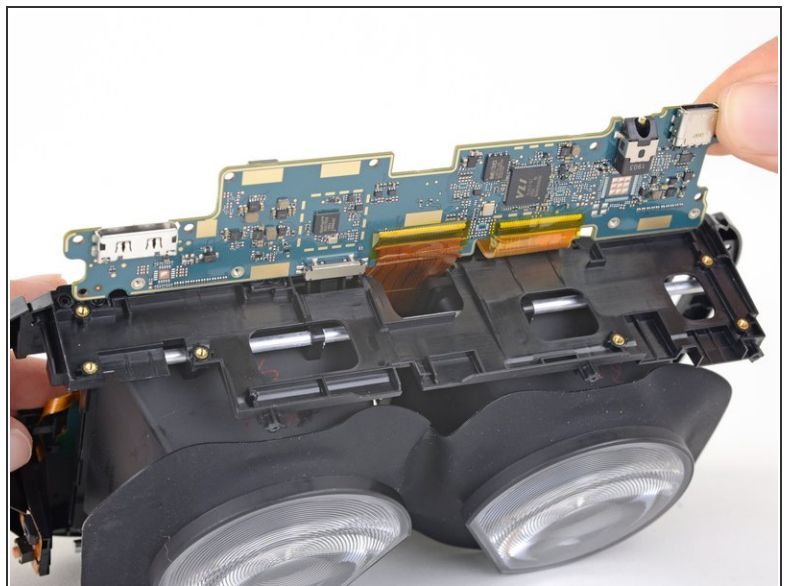
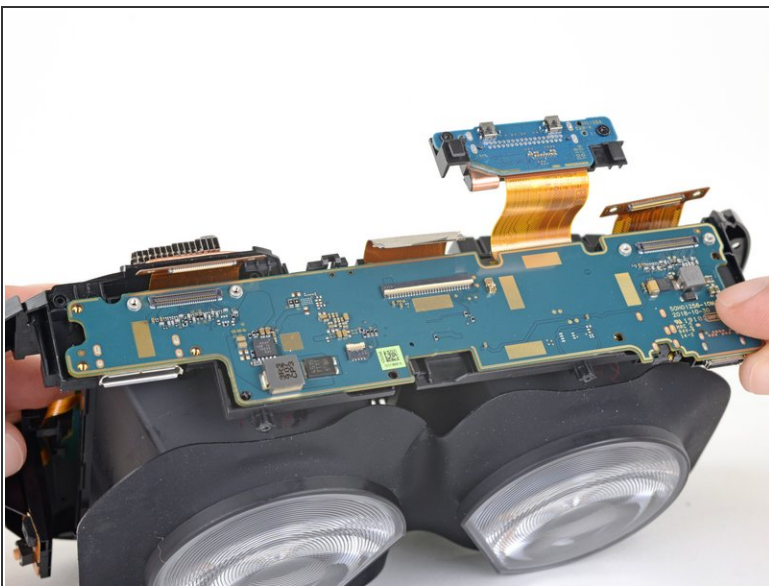
- Use the flat end of a spudger to flip up the locking flap securing the interconnect cable ZIF connector.
- Carefully slide the interconnect cable straight out of its socket.

Step 25 — Unscrew the daughterboard



- Use a T5 Torx driver to remove the six 4.1 mm long screws securing the daughterboard.

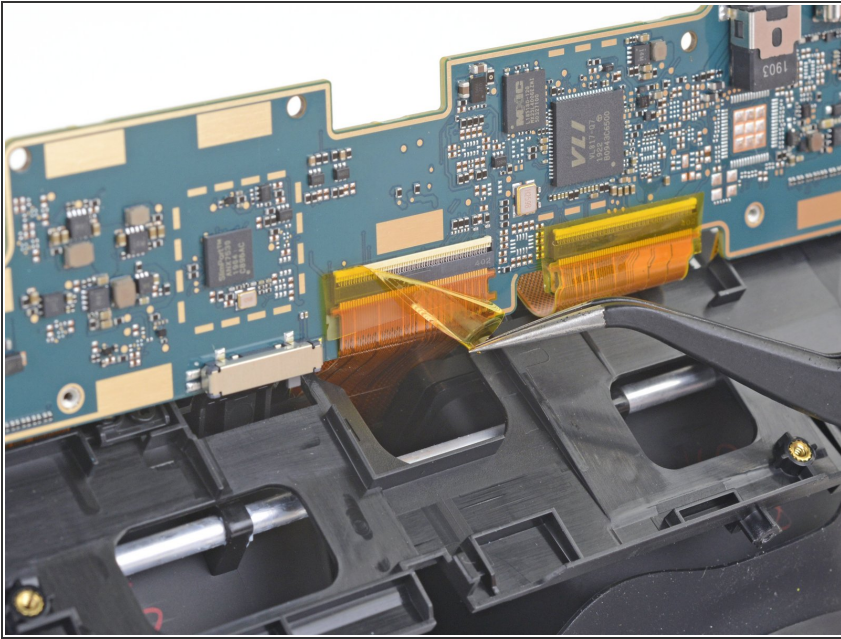
Step 26



⚠ Do not remove the daughterboard yet. It is still connected to the motherboard.

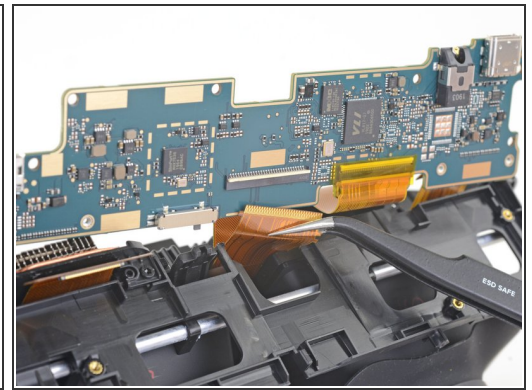
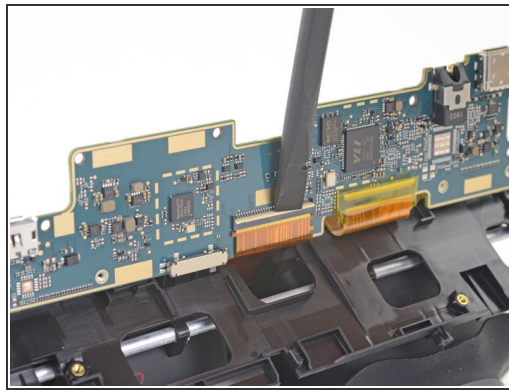
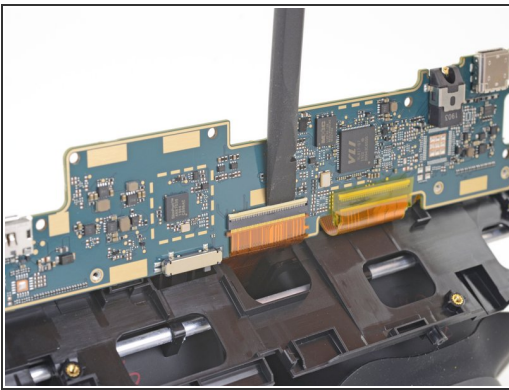
- Gently hinge the daughterboard up to access the underside.

Step 27 — Disconnect the second interconnect cable



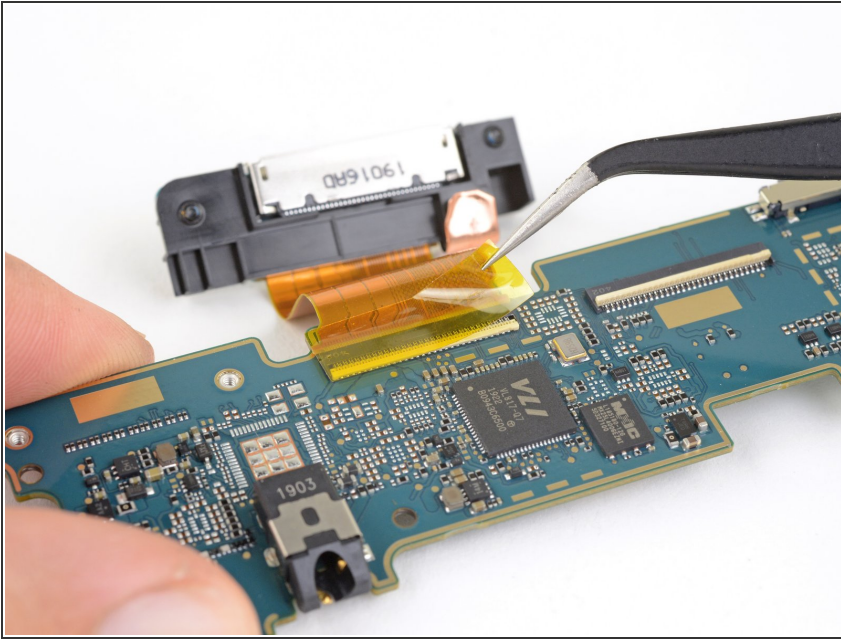
- Peel the tape over the second motherboard interconnect cable back far enough to access the cable connector.

Step 28



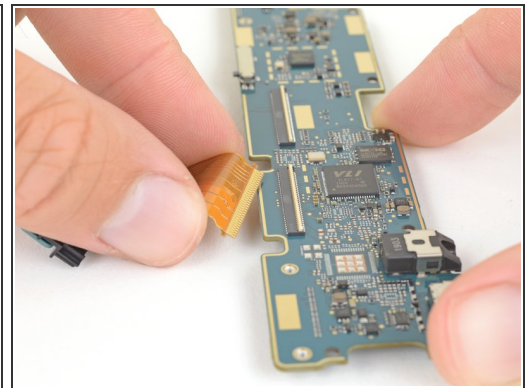
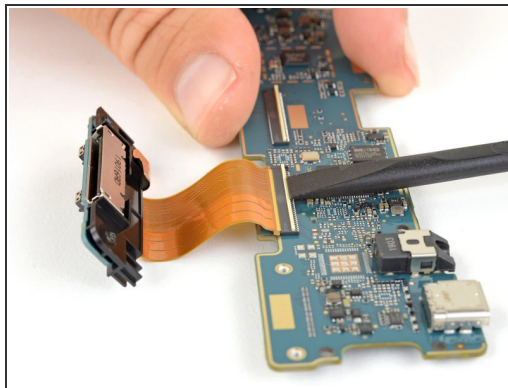
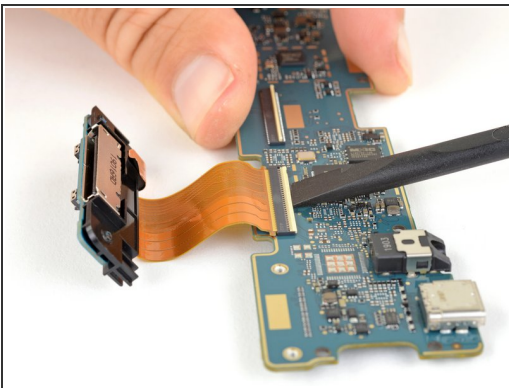
- Use the flat end of a spudger to flip up the locking flap securing the second interconnect cable ZIF connector.
- Carefully slide the second interconnect cable straight out of its socket.
- Remove the daughterboard from the LCD and motherboard assembly.

Step 29 — Remove the faceplate connector and cable



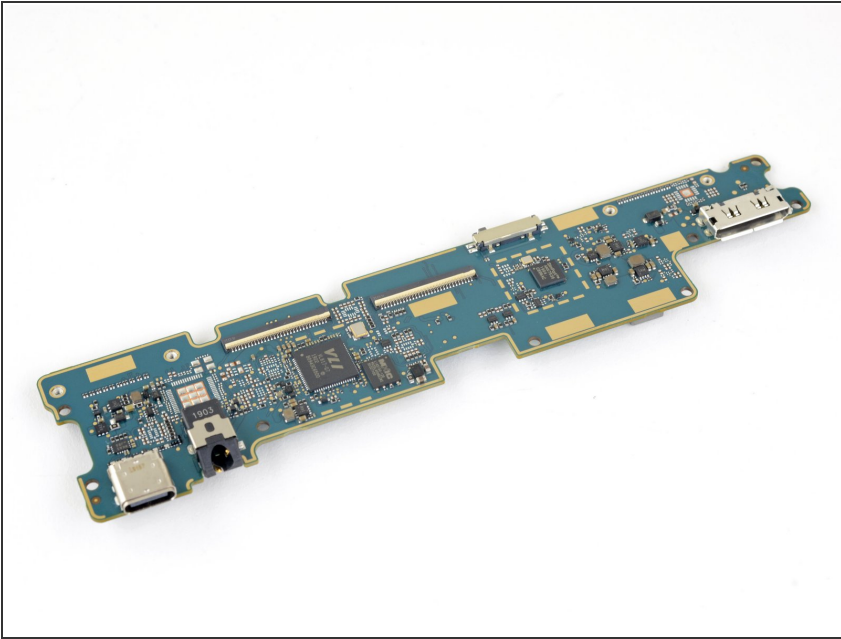
- Peel the tape over the faceplate connector cable back far enough to access the ZIF connector on the daughterboard.

Step 30



- Use the flat end of a spudger to flip up the small locking flap securing the faceplate cable ZIF connector.
- Carefully slide the faceplate connector cable straight out of its socket on the daughterboard.

Step 31 — Remove the daughterboard



- Only the daughterboard remains.

Compare your new replacement part to the original part—you may need to transfer remaining components or remove adhesive backings from the new part before installing.

To reassemble your device, follow the above steps in reverse order.

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Check out our [Answers community](#) for troubleshooting help.