



Microsoft Band Motherboard Replacement

Replace a worn out or dysfunctional motherboard on the Microsoft Band.

Written By: Takuma Yonebayashi



INTRODUCTION

You will need to take apart the Screen Frame, the LCD screen, and the sensor ribbon as a prerequisite to get to the motherboard. You might want to use a [magnetic mat](#) to make sure you don't lose the small screws.

Warning: The following guide is likely to ruin the water resistance of the device.

TOOLS:

- [iOpener](#) (1)
- [Spudger](#) (1)
- [T3 Torx Screwdriver](#) (1)
- [Tweezers](#) (1)
- [iFixit Opening Tools](#) (1)
- [Magnetic Project Mat](#) (1)

Step 1 — Screen Frame



⚠ To avoid burning your hands, make sure to hold only the thin edges of the iOpener.

- Heat the iOpener. Instructions on how to do this can be found here: [iOpener Instructions](#)
- Firmly press the frame of the band against the iOpener, and hold it in place for about 90 seconds.
- **i** When using the iOpener, make sure to wrap it partially around the sides.

Step 2



- Using a spudger, lightly press upwards against one corner of the frame, then the other along the corner of the short edge.
- Alternating between the same two corners, continue pressing until there's about a 1-2 mm gap between that end of the frame and the body.

Step 3



⚠ Do not pull the frame away too quickly. The screen may be stuck to the frame, and pulling on it could cause damage. If the screen is still attached, lightly push on the screen with a finger and it should pop out.

- Insert the spudger into the gap under the frame, and lightly slide it about 3/4 of the way down one of the long edges, then repeat with the other.
- If the frame doesn't simply pop off, try sliding the spudger the rest of the way down the long edges, and lightly lift the frame with your fingers.

★ When re-assembling, make sure the frame's microphone hole is on the same side as the sensor board underneath.

Step 4 — LCD Screen



! Do not rip the yellow ribbon cable from the motherboard.

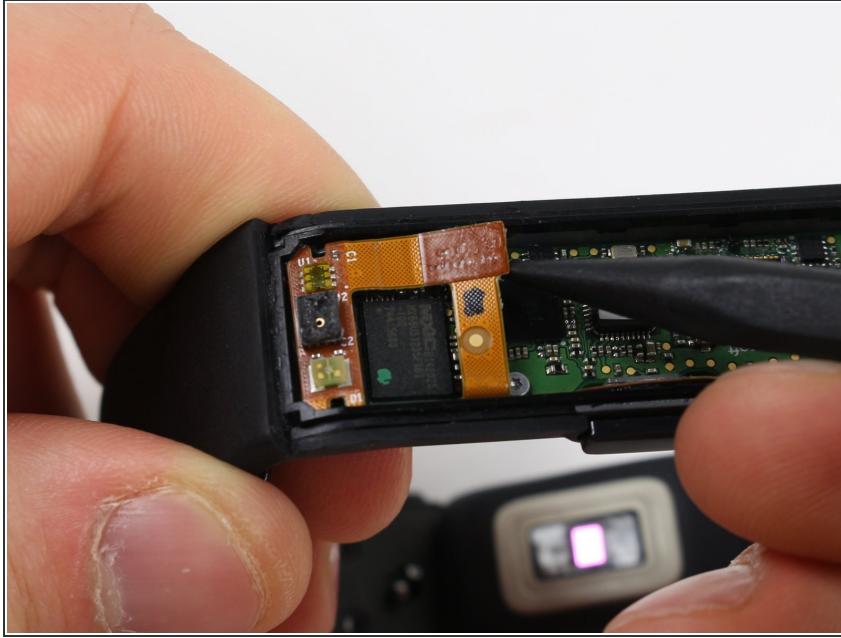
- Gently lift the LCD screen from the components using your fingertips.

Step 5



- Lightly pry up the black connector from the motherboard using a spudger.
- Pull the entire LCD screen gently upward to detach the yellow ribbon cable.

Step 6 — Motherboard



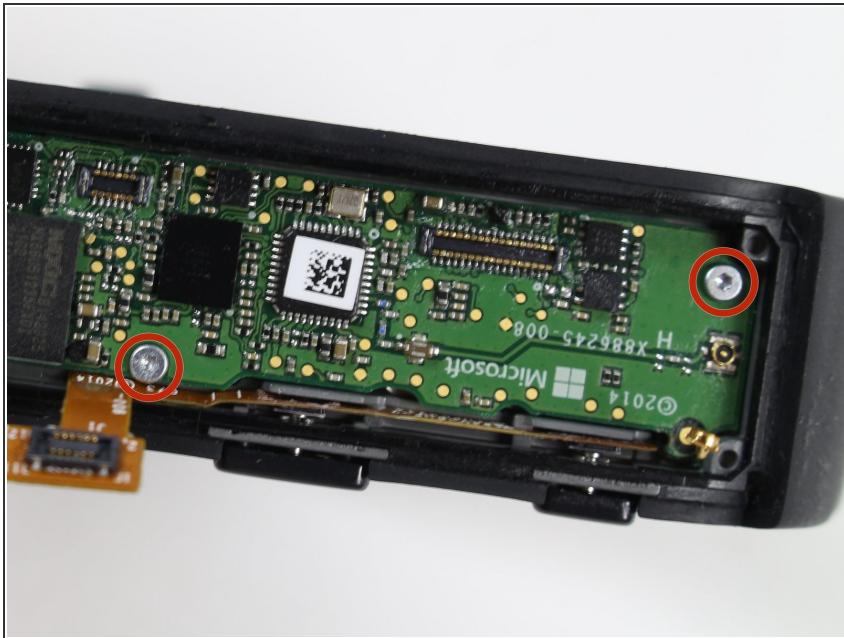
- Using the spudger or the plastic opening tool, gently lift the sensor ribbon.

Step 7



- Using the spudger or the tweezers, gently detach the golden connector from the motherboard.

Step 8



- Using the T3 Torx screwdriver, remove the two 2 mm T3 screws.
- ⚠ When you are reassembling, lift the sensor ribbon so that it's not in the way.

Step 9



⚠ Be gentle. Make sure not to rip apart the cord underneath that connects the heart-rate monitor to the motherboard.

- Using the spudger and your fingers, gently lift the motherboard from the band socket.
- You should feel a "pop."

Step 10



- Gently flip the motherboard so that you are viewing the motherboard from underneath.
- Using the tweezers, gently detach the golden connector from the back of the motherboard.

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