Samsung Galaxy Watch Motherboard Replacement
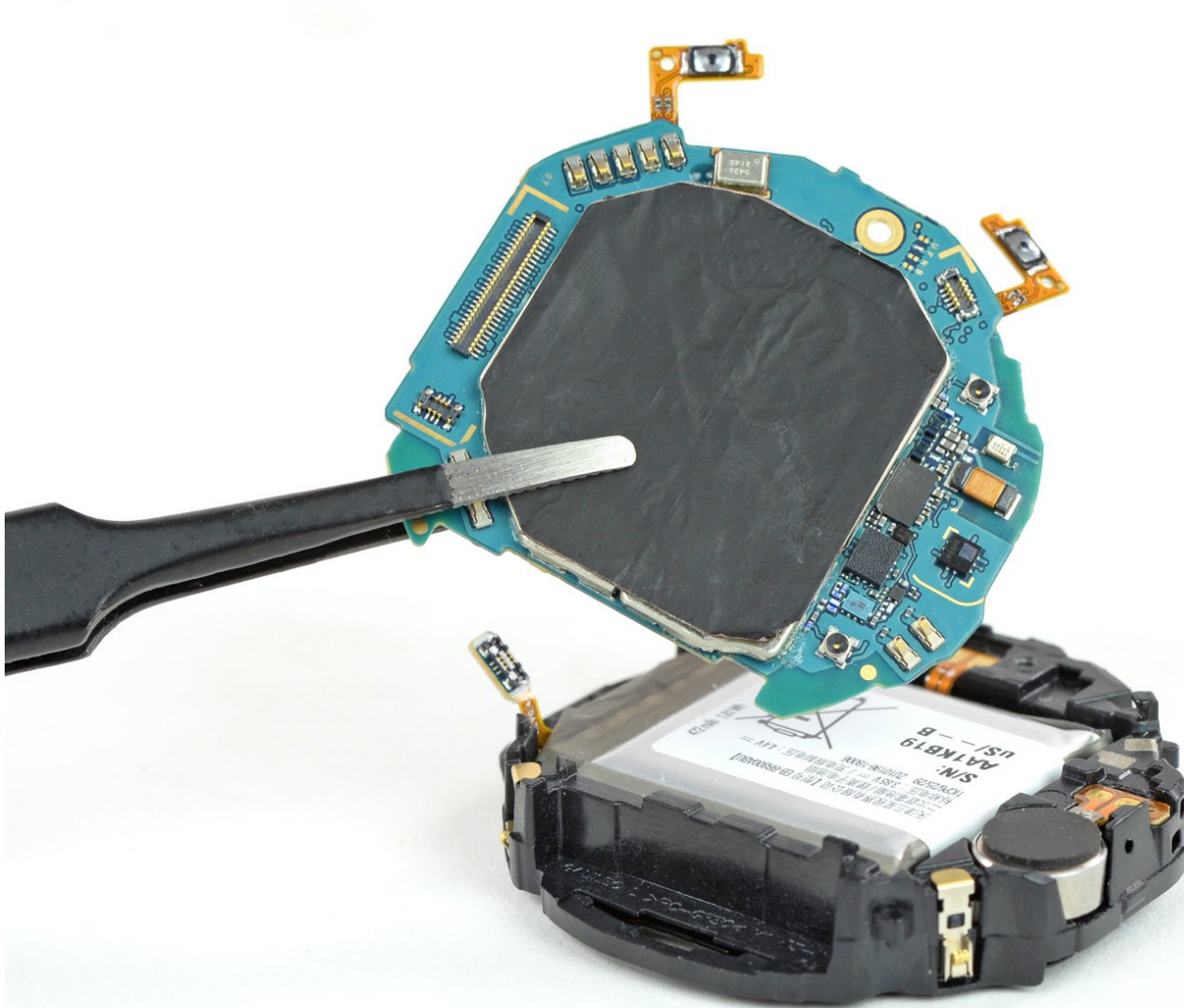
This guide shows how to replace the motherboard in a Samsung Galaxy Watch.

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INTRODUCTION

Use this guide to replace the motherboard in a Samsung Galaxy Watch.

TOOLS:

- Tri-point Y00 Screwdriver Bit (1)
- iFixit Opening Tools (1)
- Spudger (1)
- Phillips #00 Screwdriver (1)
- ESD Safe Tweezers Blunt Nose (1)

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Step 1 — Opening Procedure

- Remove the four Tri-point #00 screws (4.2 mm length) on the backside of the watch.

Step 2

- Use an opening tool to get between the back cover and the metal housing of the watch.

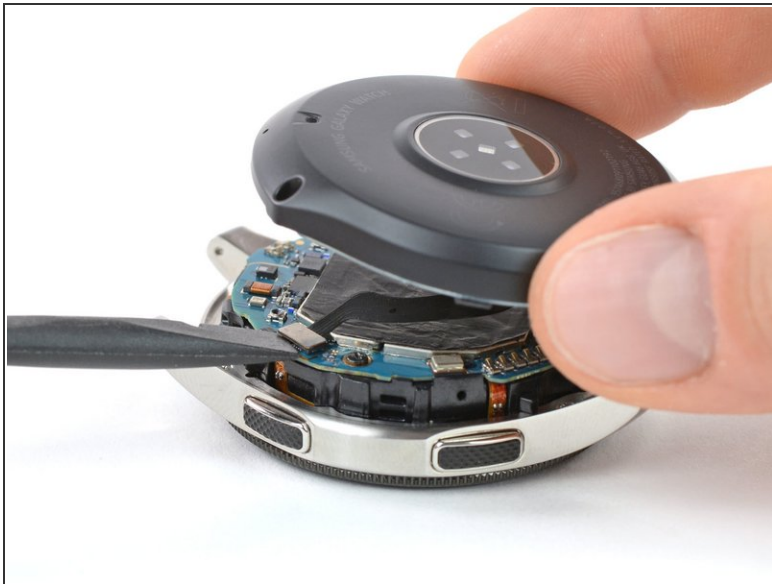- Carefully pry the plastic back cover open.

⚠️ Don't remove the back cover yet. There is a flex cable running to the core assembly inside.

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Step 3

- Lay down the watch and lift the back cover to access the sensor connector on the motherboard.

Step 4

- Use a spudger to disconnect the sensor flex cable from the motherboard.

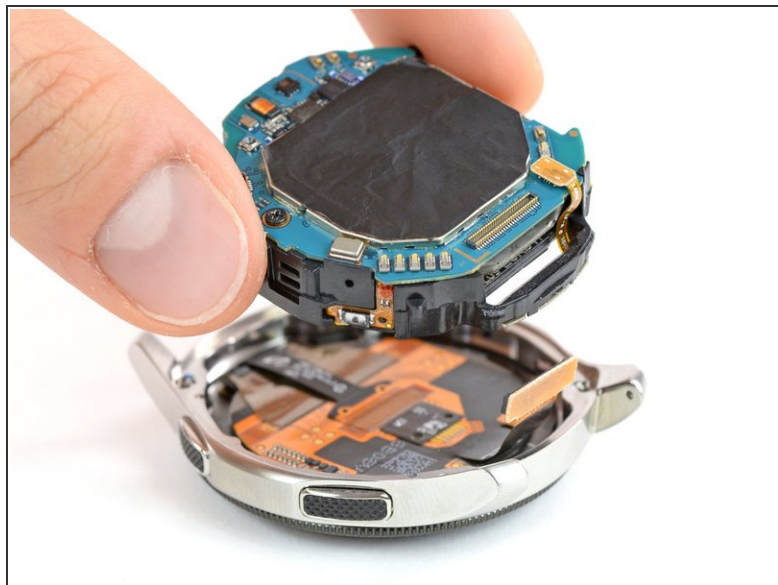

Step 5

- Remove the back cover.

- ⭐ When closing the watch make sure the rubber gasket is undamaged or replace it with a new one.

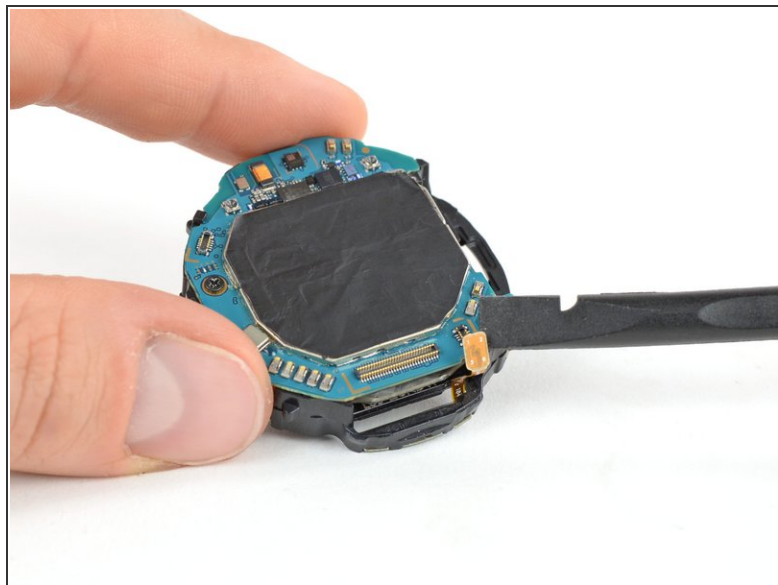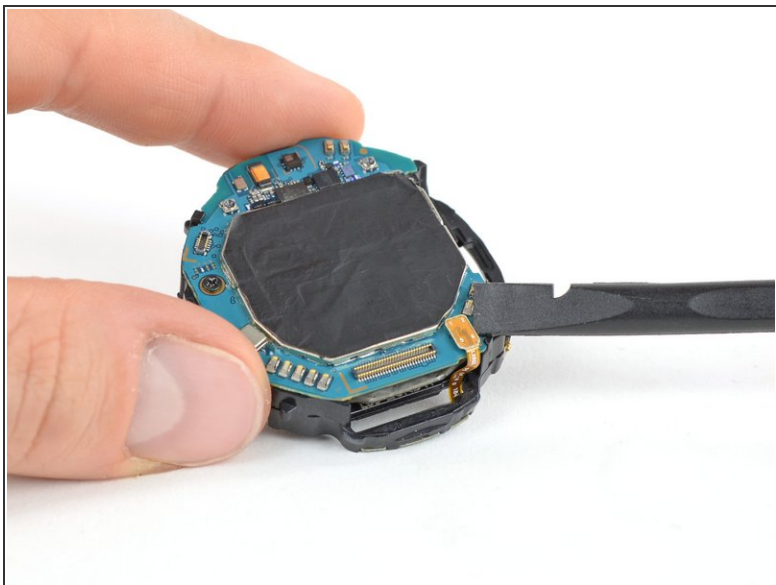## Step 6 — Core Assembly Removal

- Use a spudger to disconnect the display flex cable from the motherboard.

Step 7

- Lift the core unit out of the housing.

  (i) The core's plastic frame sits tight inside the housing.

⚠ Carefully thread the display flex cable through the gap of the core's plastic frame.

Step 8 — Motherboard

- Use a spudger to disconnect the hall sensor flex cable.

Step 9

- Use a pair of tweezers to gently peel both button cables from the plastic frame.
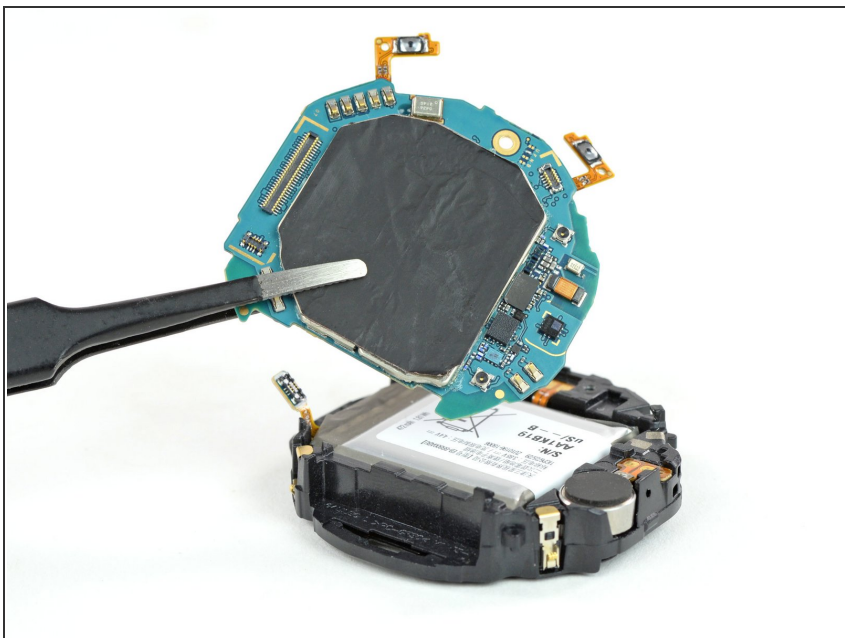
Step 10

- Remove the single Phillips #00 screw (3.4 mm length).

Step 11

- Insert a spudger into the small gap underneath the motherboard where the cutout in the plastic frame is.

- Lift the motherboard by twisting the spudger.

Step 12

- Remove the motherboard.

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Page 8 of 9

If possible, turn on your device and **test your repair** before resealing.

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

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Answers community](#) for help.

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

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