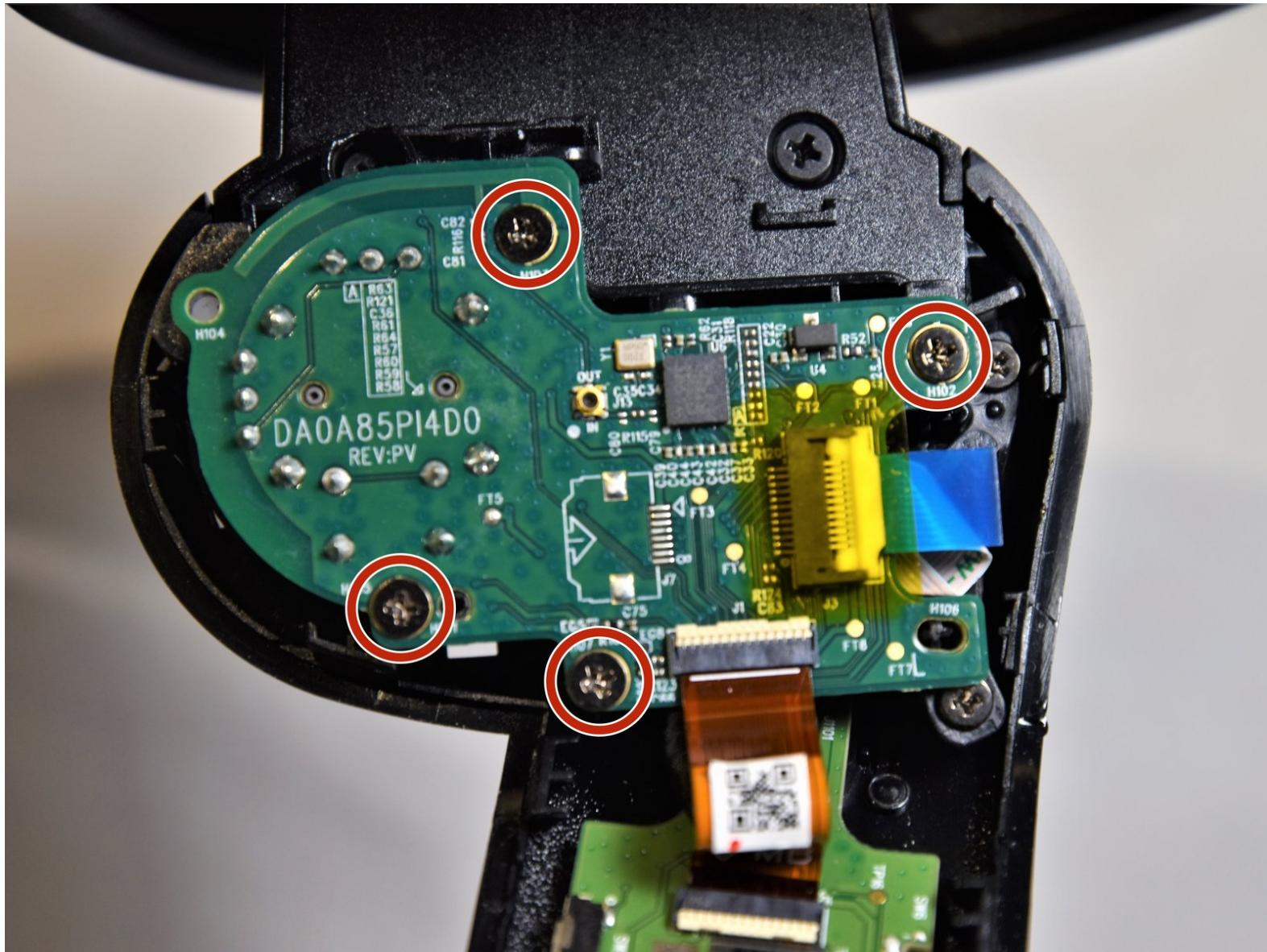




# HP Windows Mixed Reality Controllers TPC-Q044 Small Circuit Board Replacement

This guide will go over how to replace the small circuit board in the HP Windows Mixed Reality Controllers TPC-Q044.

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This document was generated on 2019-09-22 08:58:40 AM (MST).

## INTRODUCTION

This guide will go over how to replace the small circuit board in your device.

You will need to have a new circuit board to replace the old one with.

Be careful around the edges of the circuit board as they can be sharp and you could possibly cut yourself.

### TOOLS:

- [Spudger](#) (1)
- [Phillips #00 Screwdriver](#) (1)

## Step 1 — Batteries



- Slide the rear compartment cover in the direction of the arrow.
- ☒ If replacing batteries, ensure the (+) and (-) on the battery match the (+) and (-) labeled in the battery compartment.

## Step 2 — Shell



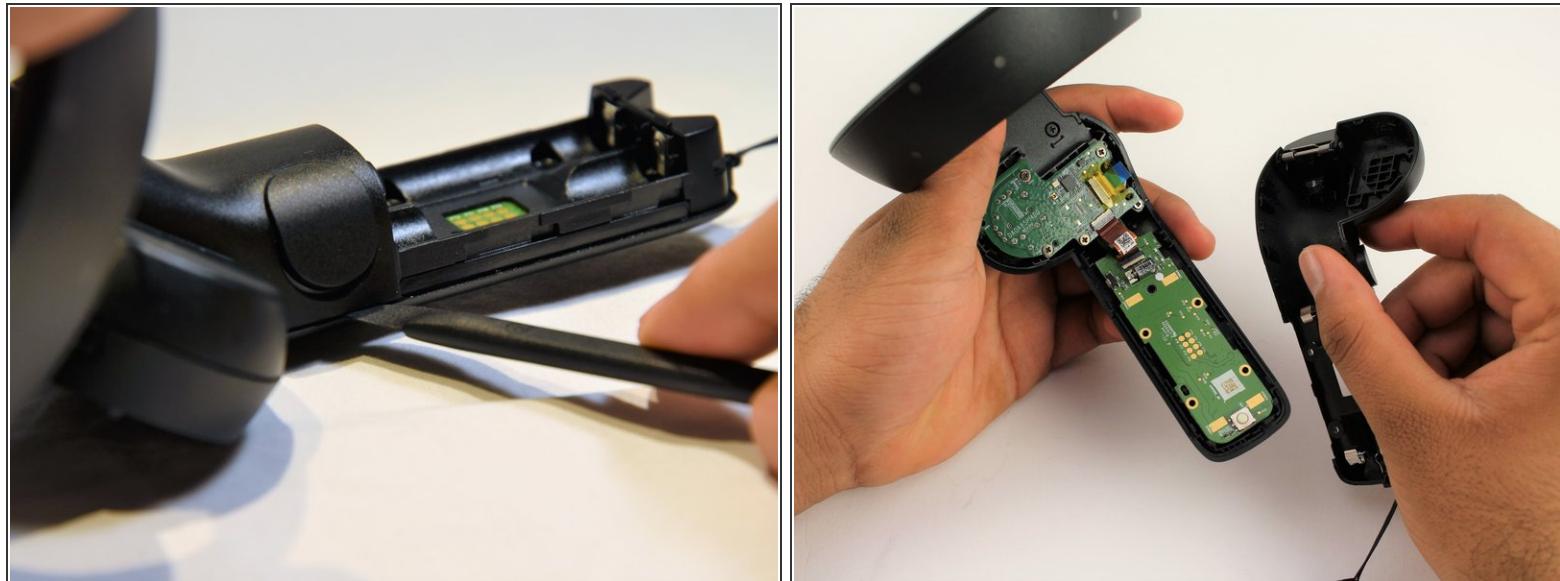
- Remove the four 4mm screws using a Phillips #00 screwdriver.

## Step 3



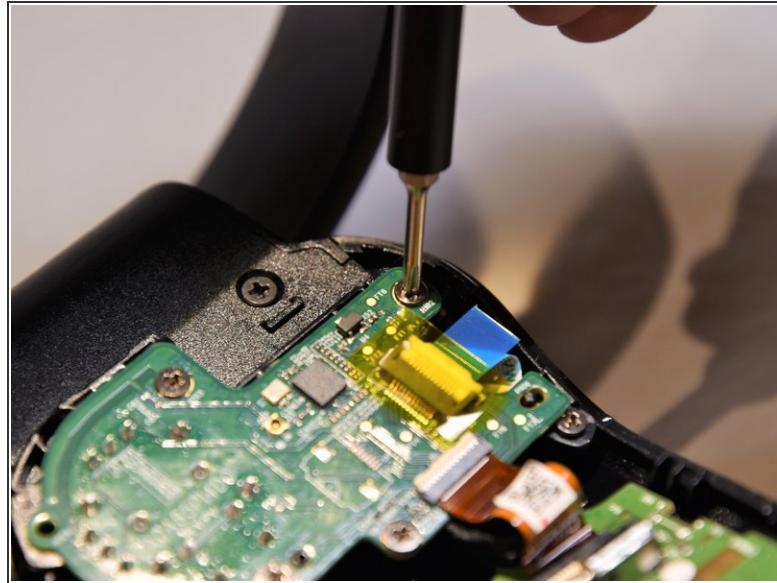
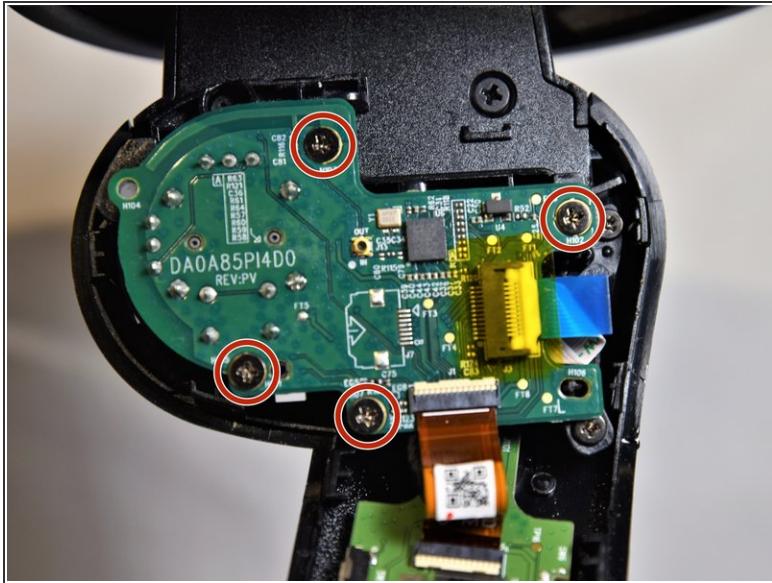
- Grip the main body and pull the joystick outwards until the entire front panel pops off.
- Remove the 6mm screw in the corner of the joystick well using a Phillips #00 screwdriver.

## Step 4



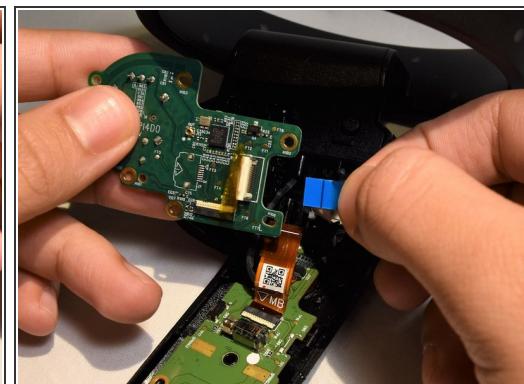
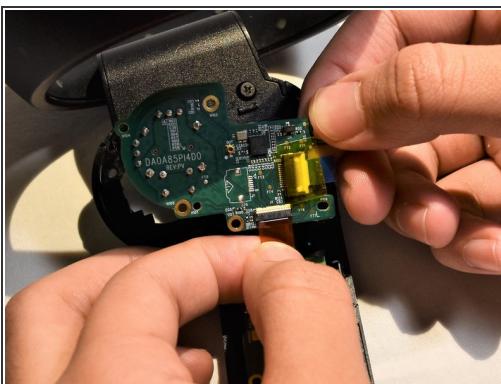
- Use a spudger to pry apart the two halves of the assembly.
- Work slowly, prying a small section at a time until the halves are completely separated.

## Step 5 — Small Circuit Board



- Using a Phillips #00 screwdriver, remove the four 4mm screws located on the joystick circuit board underneath the top half of the controller.

## Step 6



- Remove the orange flat cable by pulling the orange tab parallel to the circuit board.
- Release the blue flat cable by lifting up the white latch with a spudger.

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