



# Samsung Galaxy S4 USB Board Replacement

If you've damaged your USB port, you'll need to replace the USB board. Use this guide to replace the USB board in a Samsung Galaxy S4.

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## INTRODUCTION

Use this guide to replace the USB port board in your Samsung Galaxy S4.

### TOOLS:

- iFixit Opening Tools (1)
- Phillips #00 Screwdriver (1)
- Spudger (1)
- Tweezers (1)

### PARTS:

- Galaxy S4 Charging Assembly (ATT) (1)
- Galaxy S4 Charging Assembly (Sprint) (1)
- Galaxy S4 Charging Assembly (Verizon) (1)

## Step 1 — Rear Case



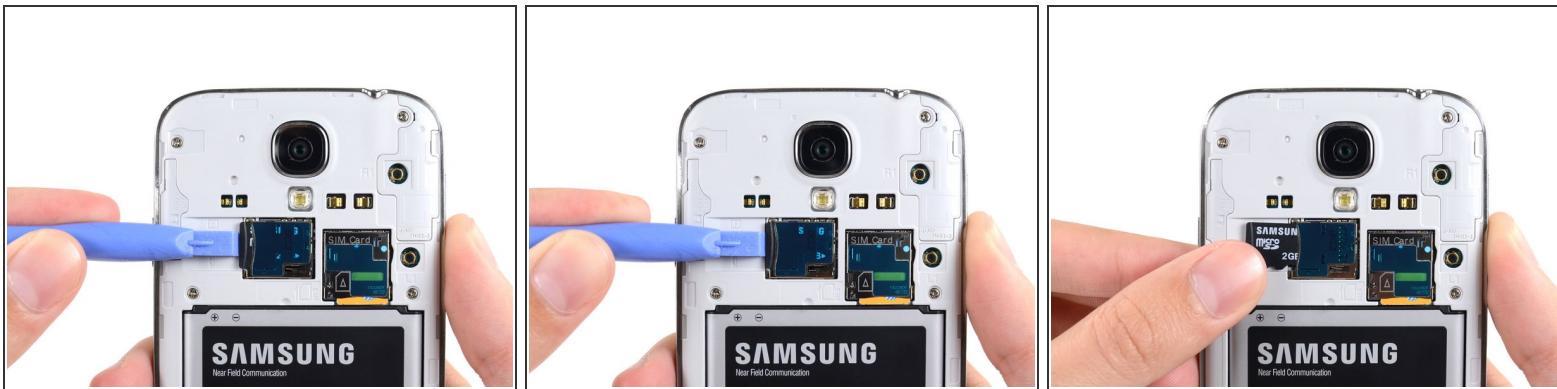
- Pry with a plastic opening tool, or your fingernail, in the divot to the left of the rear-facing camera, near the power button.

## Step 2



- Lift the rear case by the corner nearest the divot and remove it from the phone.

## Step 3 — MicroSD Card



- Use the flat end of a spudger, or your fingernail, to press the microSD card slightly deeper into its slot until you hear a click.
- After the click, release the card and it will pop out of its slot.
- Remove the microSD card.

 For reassembly, push the microSD card into the slot until it clicks in place.

## Step 4 — Battery



- Insert a plastic opening tool, or your finger, into the notch of the battery compartment and lift the battery upward.
- Remove the battery from your phone.

## Step 5 — SIM Card



- Use a plastic opening tool, or your fingernail, to press the SIM card slightly deeper into its slot until you hear a click.
- After the click, release the card and it will pop out of its slot.
- Remove the SIM card.

 During reassembly, push the SIM card into the slot until it clicks in place.

## Step 6 — Midframe



- Remove the nine 4.0 mm Phillips #00 screws securing the midframe to the display assembly.

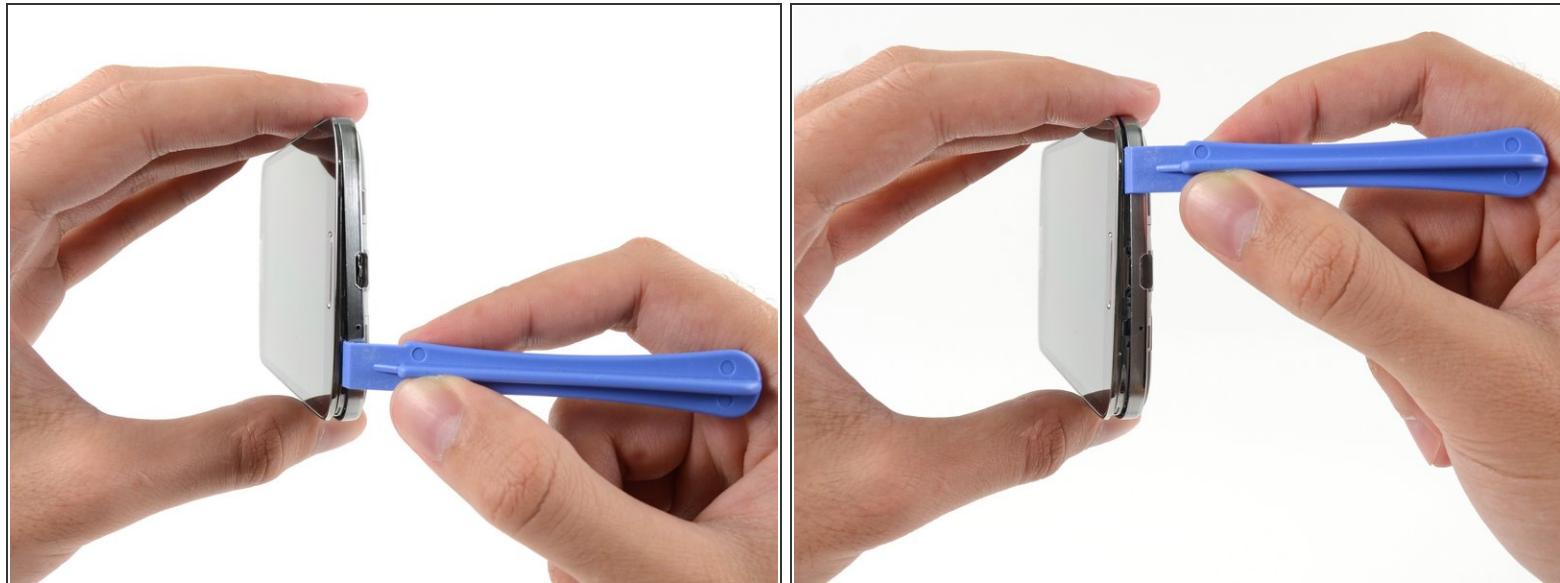
## Step 7



- ⓘ The midframe is secured to the display assembly by several plastic clips behind the chrome bezel of the midframe. The next few steps will guide you through separating the clips to free the midframe.
- Starting on the volume button side of the phone, insert your plastic opening tool between the chrome bezel around the display glass and the larger chrome border piece. Look for the seam between the two.
- Slide the opening tool along the seam, separating the plastic clips as you go.

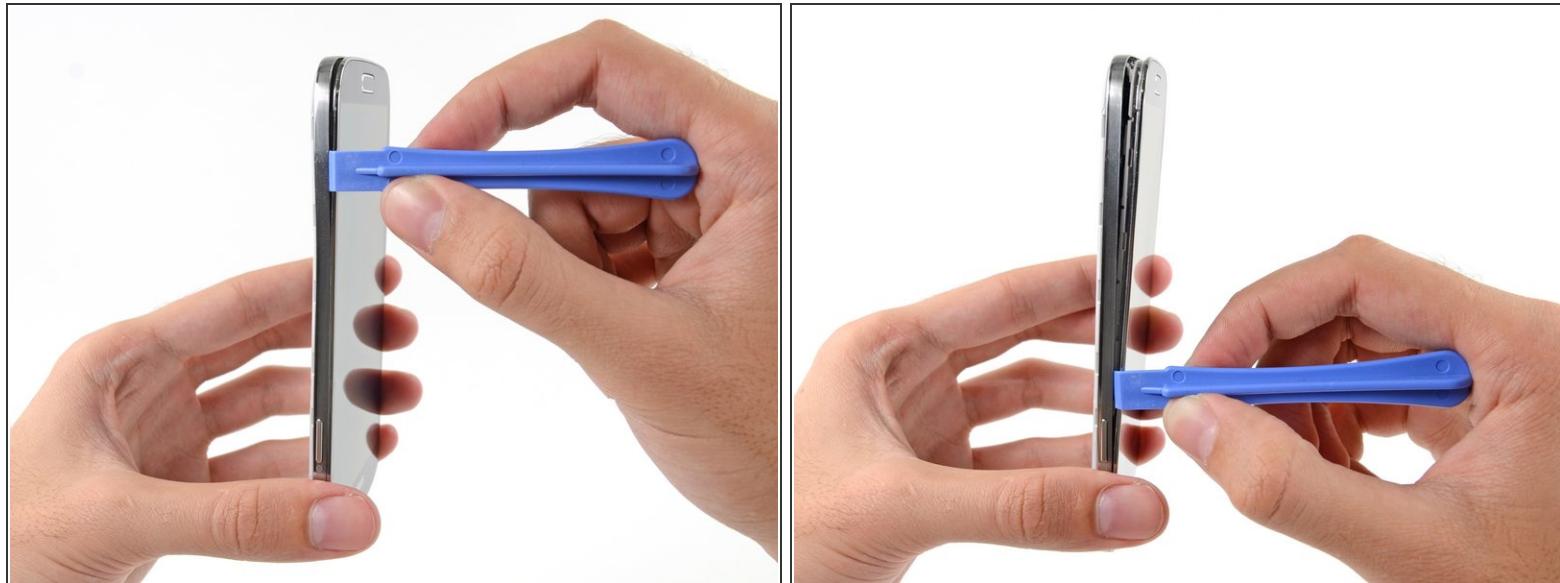
⚠ Be very gentle whilst prying, and pry only enough to separate the plastic clips—there are several thin points in the midframe bezel that may crack if you bend them too much.

## Step 8



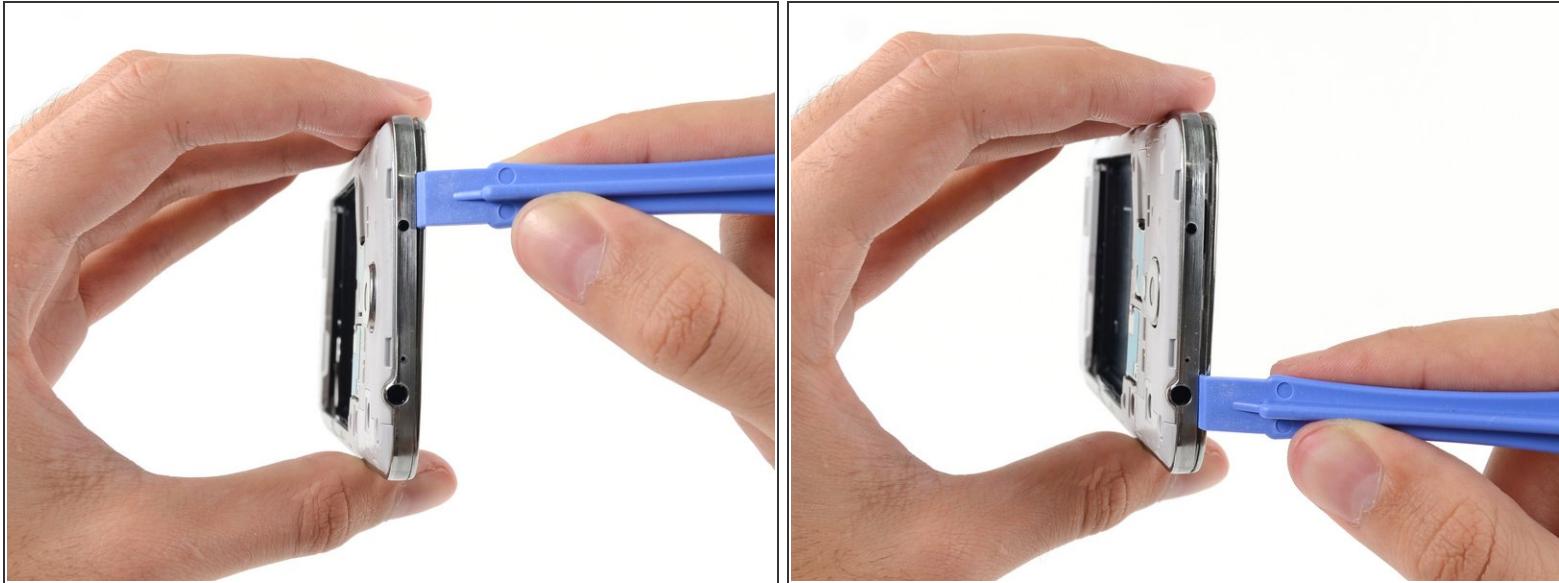
- Continue prying around the corner of the phone.
- Slide your opening tool along the seam between the midframe and display along the bottom of the device, releasing more of the plastic clips.

## Step 9



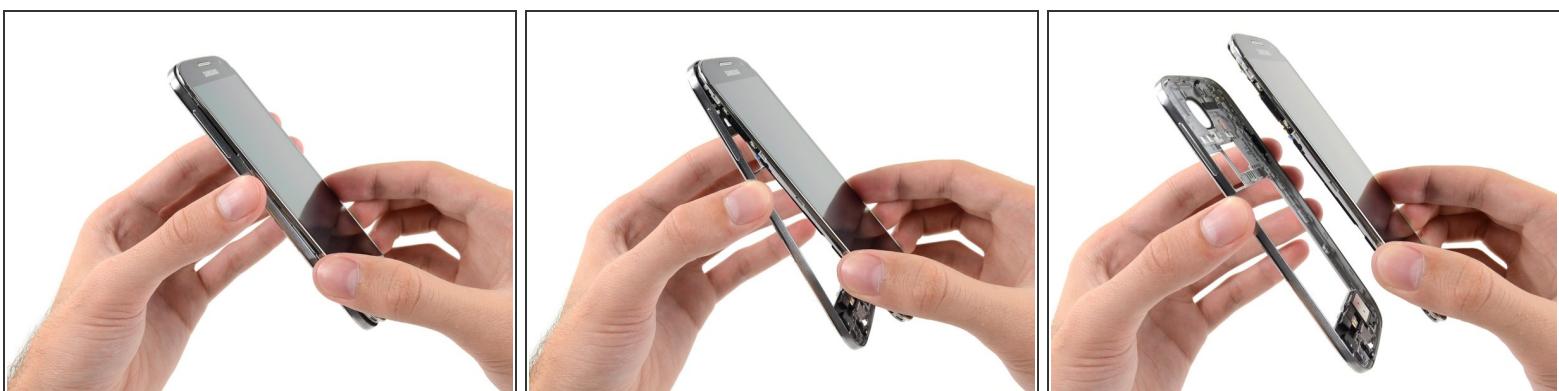
- Again, pry around the corner, to the power button side.
- Slide the opening tool along the seam.

## Step 10



- Continue sliding the opening tool around the top of the phone, releasing the last of the clips and freeing the midframe from the display assembly.
- At this point, you may want to run your plastic opening tool along the entire perimeter of the device again, to make sure you've released all of the plastic clips.

## Step 11



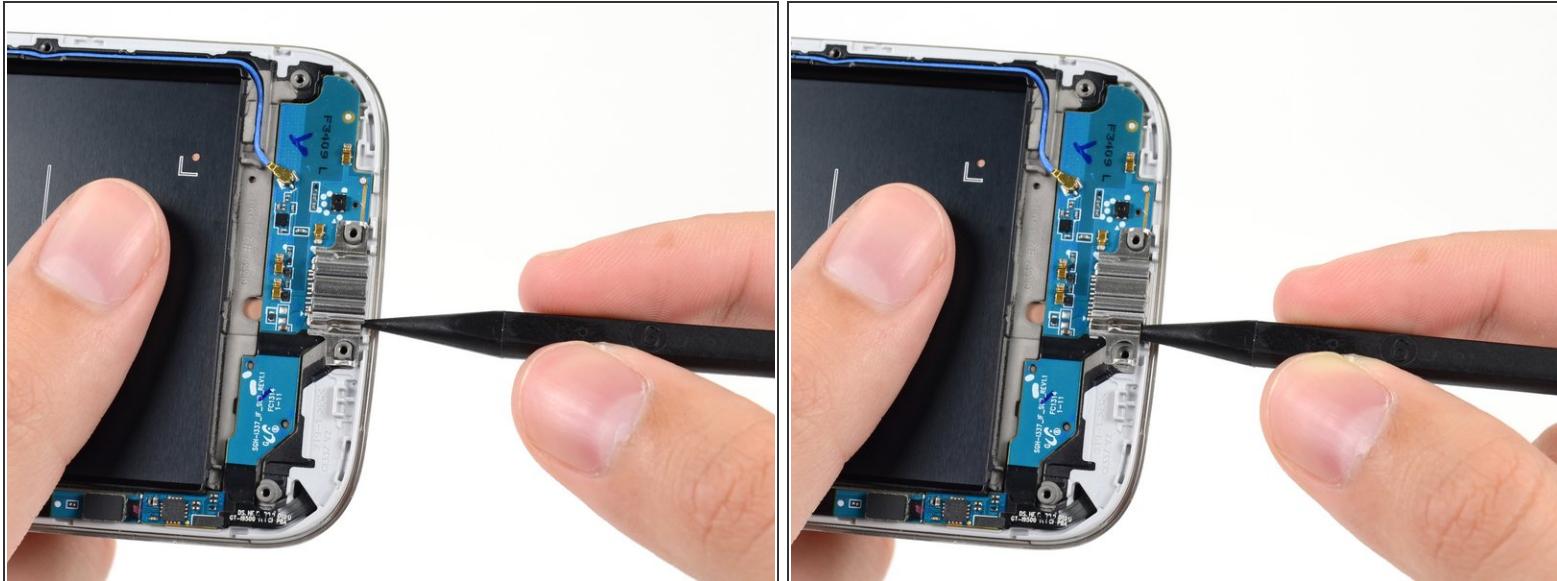
- Remove the midframe from the display assembly.

## Step 12 — USB Board



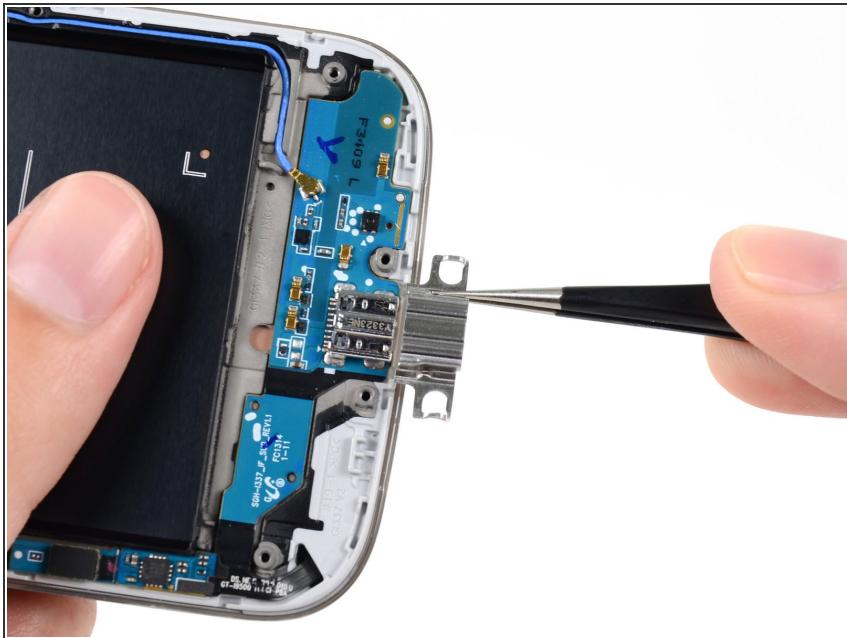
- Use the flat end of a spudger to disconnect the USB board cable connector from the motherboard.

## Step 13



- Gently insert the point of a spudger between the USB port and the USB port bracket to pry one side of the bracket off of its post.

## Step 14



- Remove the USB port bracket from the USB port.

**Tip** The bracket is slightly springy and should pop back into place on the two screw posts during reassembly.

## Step 15



- Disconnect the soft button cable from the USB board cable.
- Disconnect the antenna cable connector from the USB board.

**Info** Depending on your carrier, you may have an additional antenna cable. If you can access it at this point, use a spudger to disconnect it from the USB board.

## Step 16



ⓘ The USB board is secured to the display assembly with light adhesive.

⚠ Depending on your carrier the USB board may have an additional antenna cable on the back side of the USB board. Pry very carefully and stop if you encounter resistance.

- Gently insert the flat end of a spudger beneath the USB board to free it from the adhesive holding it in place.

⚠ Go slow and be careful not to bend the board.

## Step 17



- Remove the USB board from the display assembly.

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