



# Samsung SGH-T639 Motherboard Replacement

This guide will give instructions for removing the motherboard of the Samsung SGH-T639.

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## INTRODUCTION

This guide contains photos that do not include pictures of the back cover or battery. However, the instructions have been adjusted to reflect this lack of visual aid.

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### TOOLS:

- [iFixit Opening Tools](#) (1)
  - [Tweezers](#) (1)
  - [Phillips #000 Screwdriver](#) (1)
  - [Magnetic Project Mat](#) (1)
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## Step 1 — Battery



- Flip the phone over and take off the back cover

**i** Note: These images do not contain the back cover or battery of the phone.

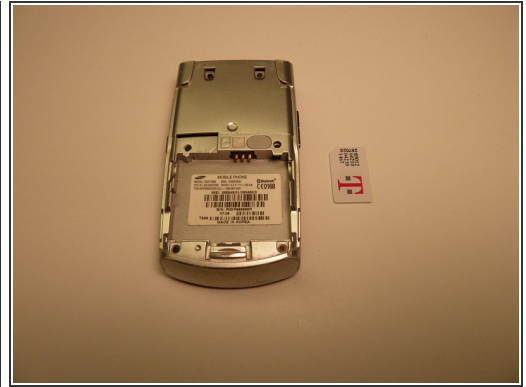
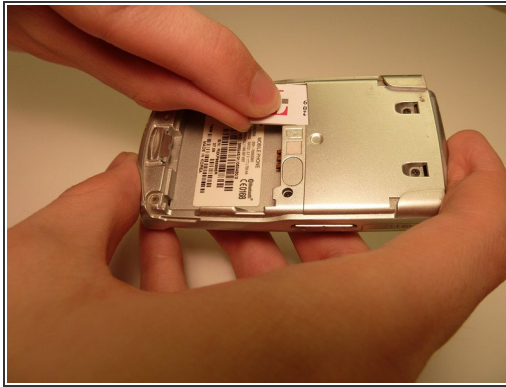
## Step 2



- Use button to remove battery from the phone.

**i** Note: These images do not contain the back cover or battery of the phone.

### Step 3 — SIM Card



- Locate SIM card
- Slide SIM card down and gently pull out of the card slot

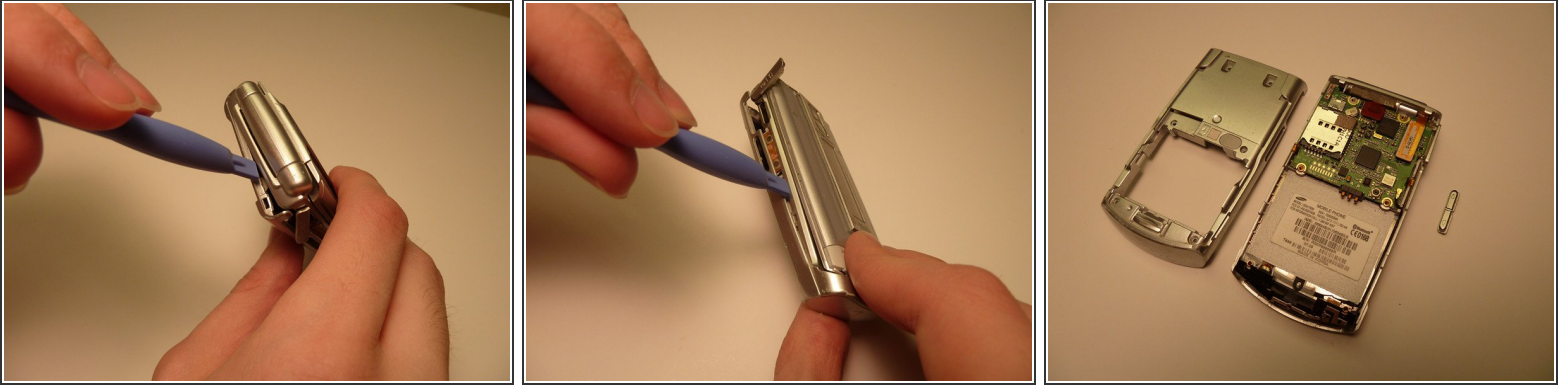
### Step 4 — Motherboard



- Locate the six (4mm) screws on the back casing of the phone.
- Unscrew each one using a Phillips head #000 screwdriver.
- Place screws on magnetic mat.

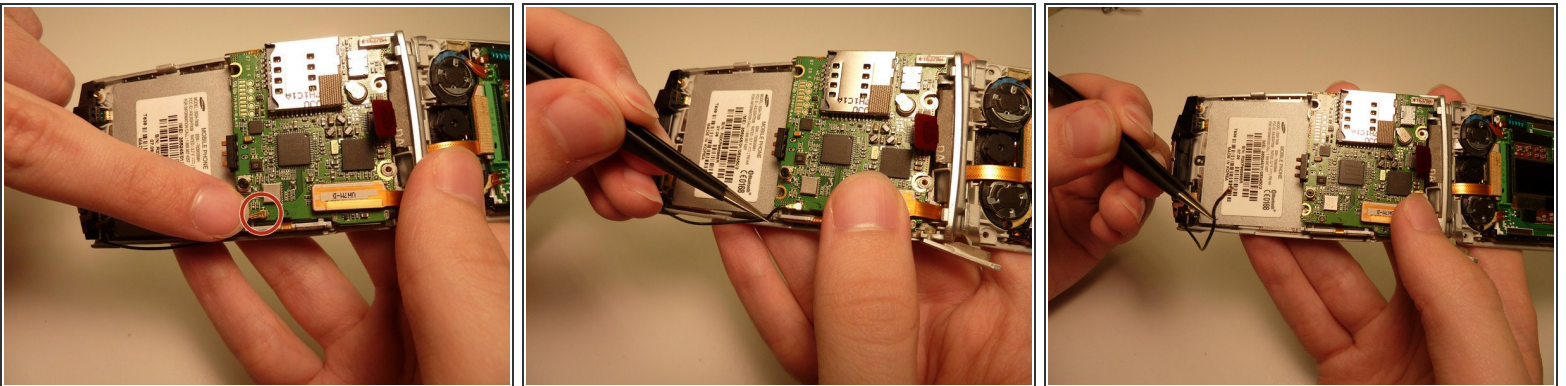


## Step 5



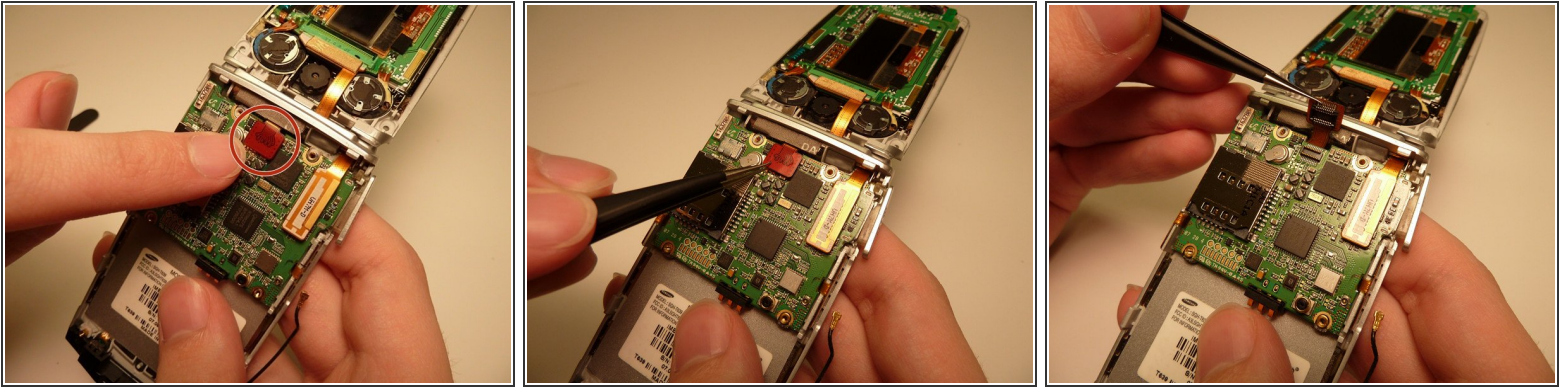
- Starting at the top of the phone, carefully insert plastic opening device into the seam.
- Carefully slide device along the seam and around the corners of the phone until the back is separated from the front.
- ⓘ Note: Some force must be exerted. Be careful when taking off panel. Go slow.
- ⓘ Note: The volume button may separate from the case, this is normal. It is not broken.

## Step 6



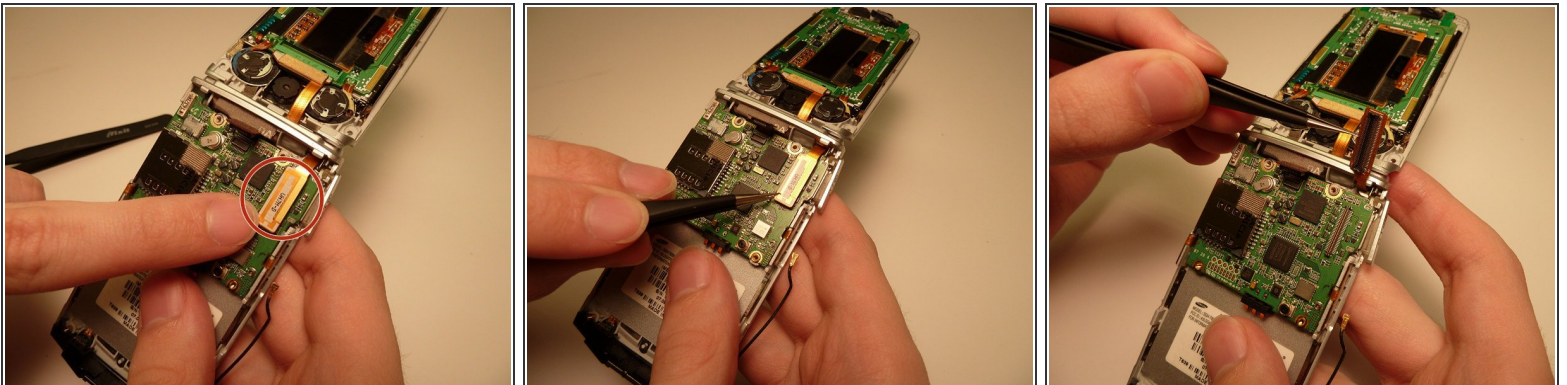
- Locate the connection point of black wire running from the microphone to the motherboard.
- Carefully disconnect the gold connector from the motherboard using tweezers.

## Step 7



- Locate the red connector at the top of the motherboard.
- Carefully lift and remove the connector from the motherboard using tweezers.

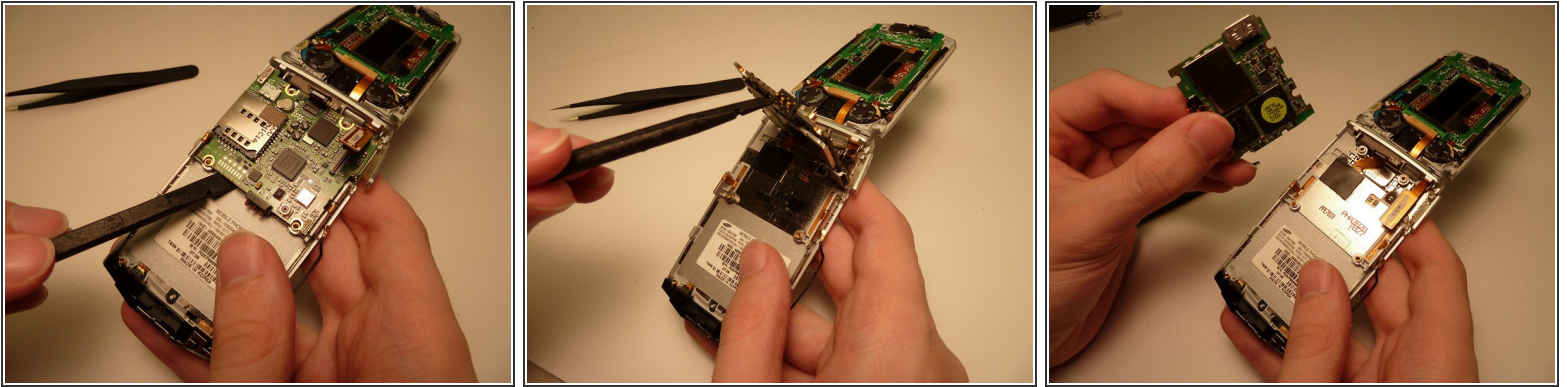
## Step 8



- Locate the gold connector that connects the screen to the motherboard.
- Carefully disconnect the connector from the motherboard using tweezers.

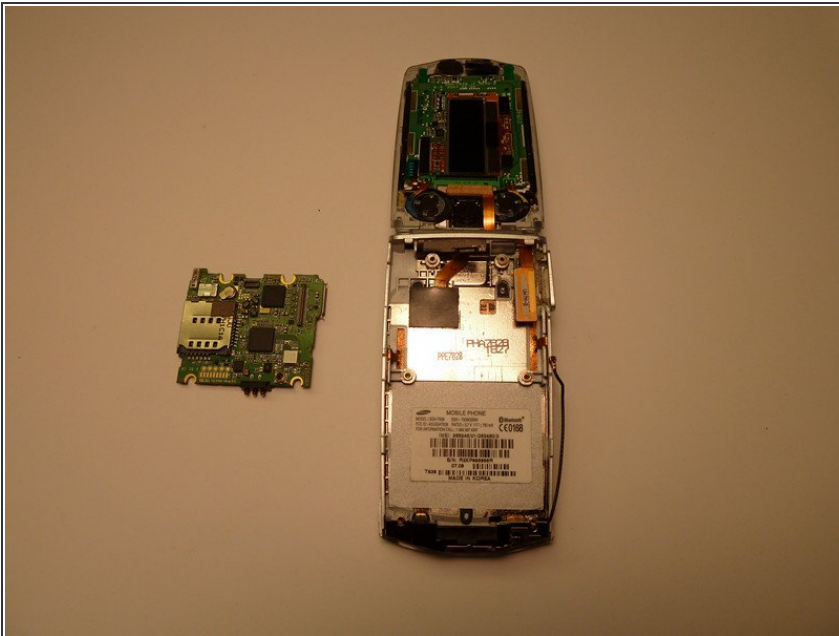


## Step 9



- Start at the bottom of the motherboard and gently pry it from the back of the cell phone using the plastic opening tool.
- Lift the motherboard from the cell phone.

## Step 10



- Remove the motherboard from the cell phone.

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