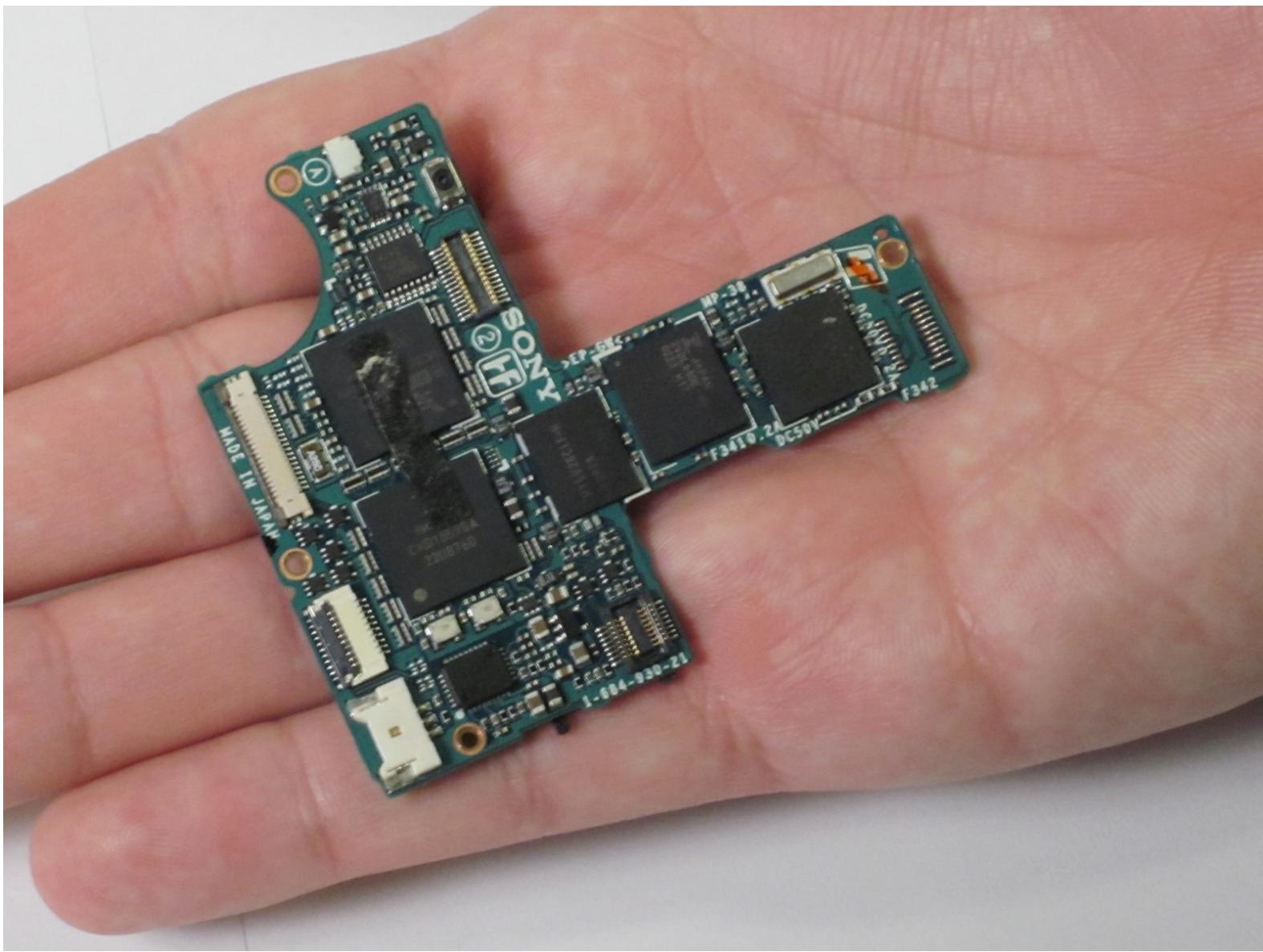




Sony Clie PEG-NR70 Motherboard Replacement

Install a new motherboard in your Sony Clie.

Written By: Daniel Soski



INTRODUCTION

Installing a new motherboard involves removing the other components. Once this is done, removing the motherboard involves unscrewing the board from the housing and disconnecting various cables and wires.

TOOLS:

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

Step 1 — The Case



- Unscrew the 1.9mm screw located at the top of the device with a Phillips #00 screwdriver.

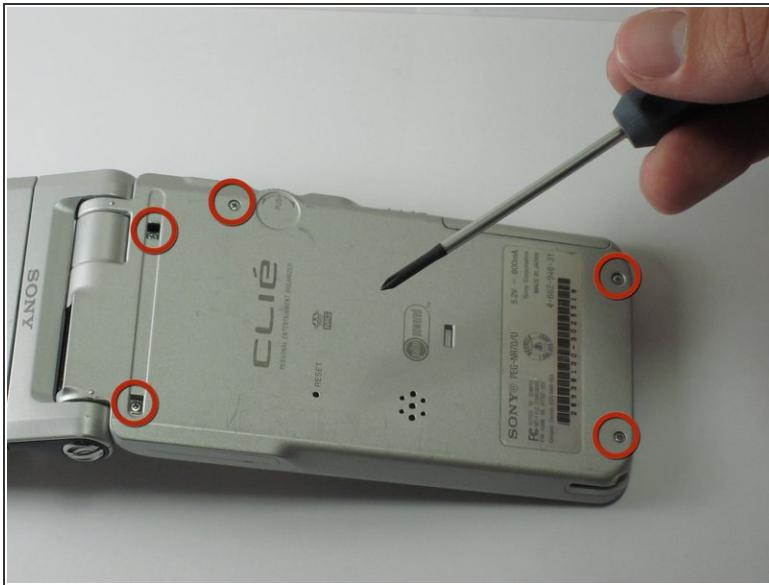
(i) It may be helpful to set up a piece of paper to keep track of where removed screws came from.

Step 2



- Unscrew the 2.5mm screw located on the left side of the device with a Phillips #00 screwdriver.

Step 3



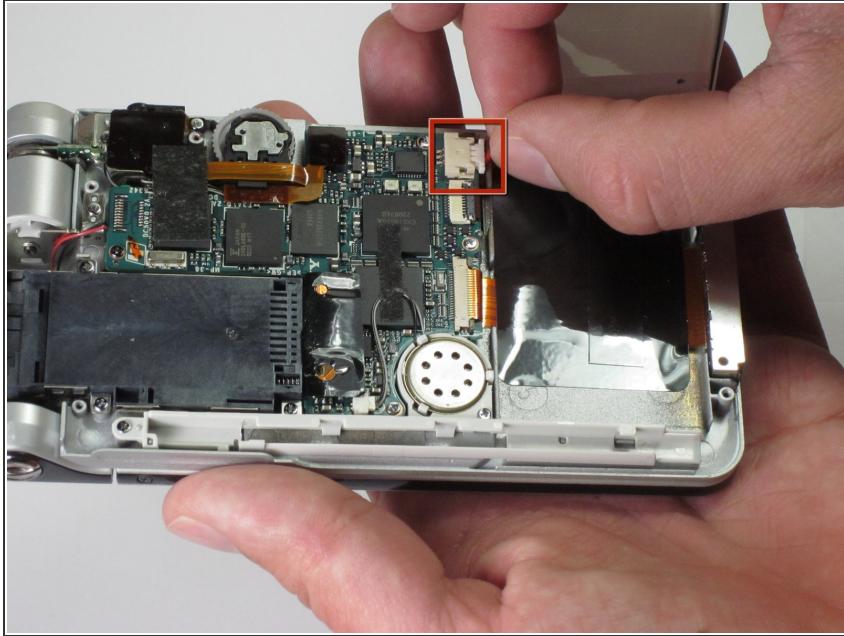
- Unscrew the five 2.5mm screws on the back panel with a Phillips #00 screwdriver.
- Remove the back panel by lifting it away with your hands.

Step 4 — Battery Pack



- Pull up on the black tab on the battery pack to reveal the power cord.

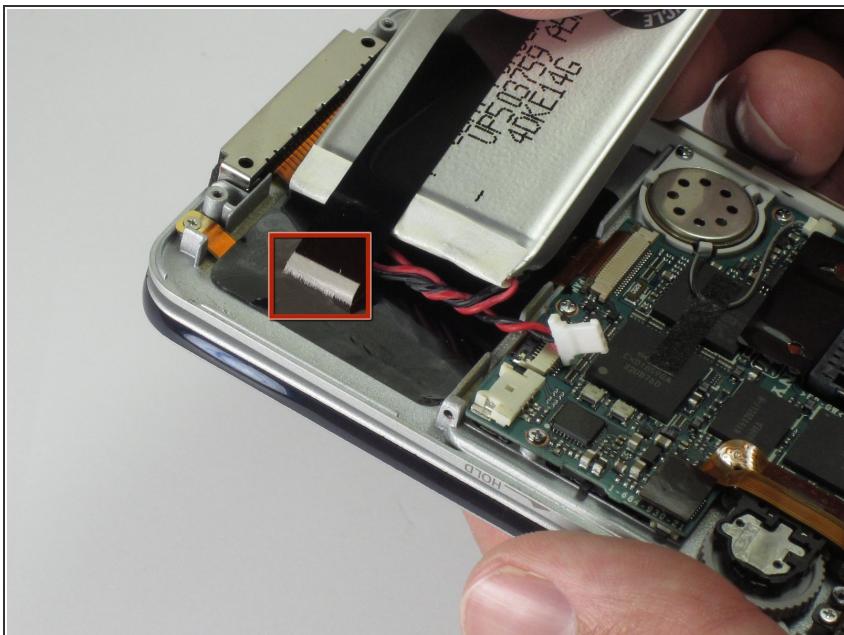
Step 5



- Disconnect the battery pack from the motherboard by unplugging the power cables. Gently pull the wire toward the bottom of the device.

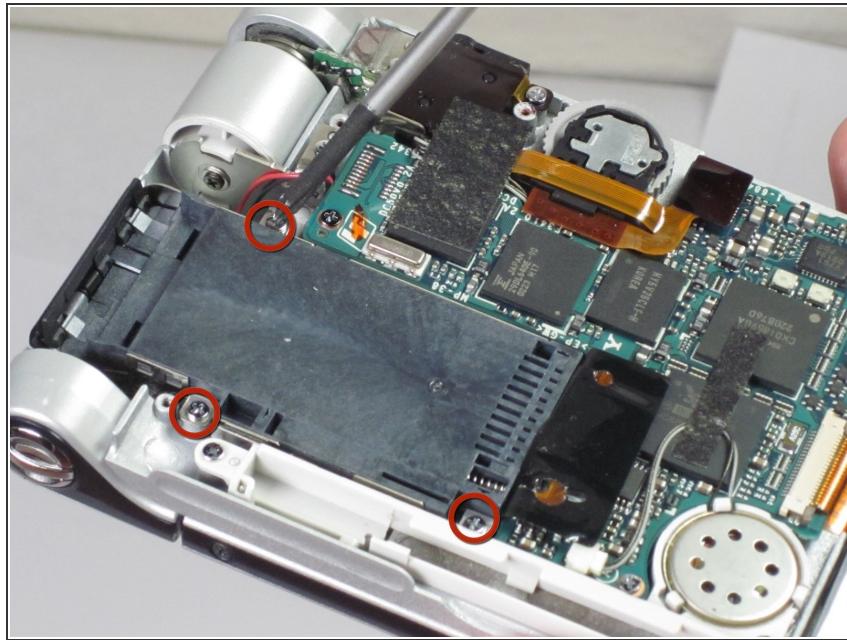
 Be careful to not tear the cables! They are very thin.

Step 6



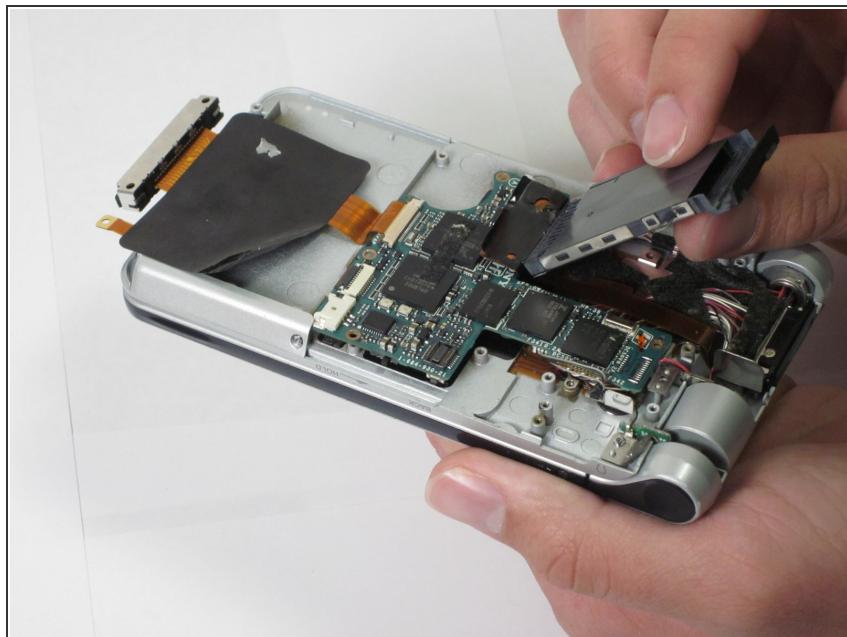
- Gently peel back the adhesive to completely disconnect the battery pack from device.

Step 7 — Memory Module



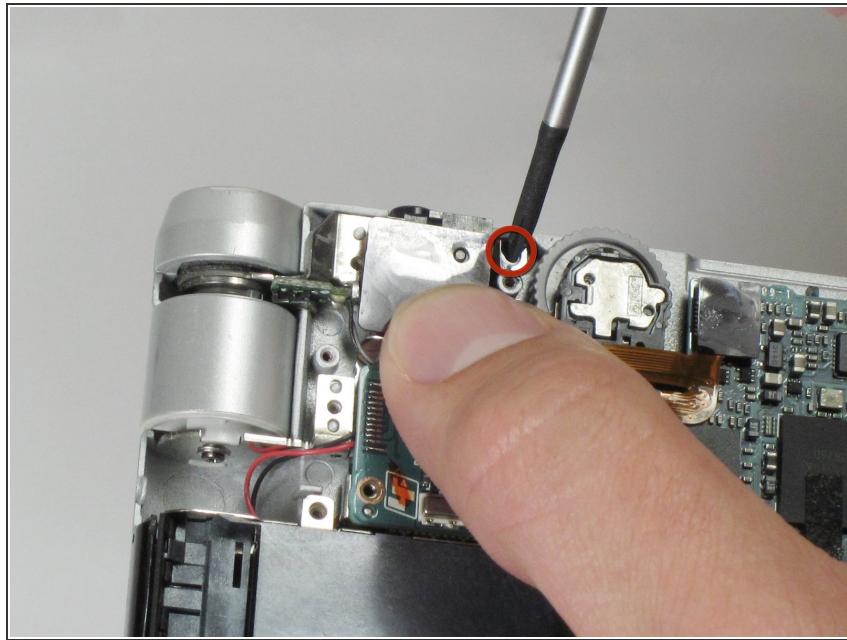
- Holding the memory module in place, unscrew the three 0.9mm screws with a Phillips #00 screwdriver.

Step 8



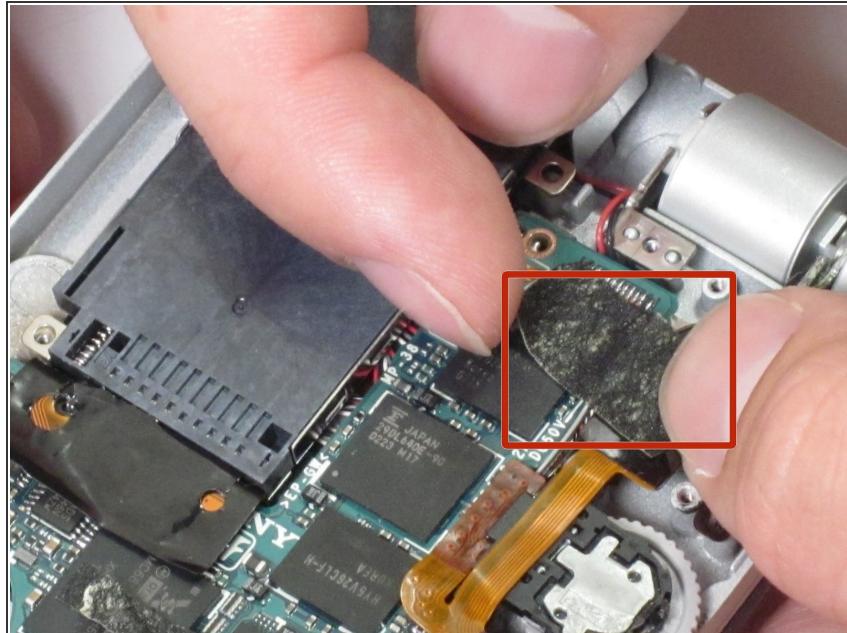
- Lightly grab the memory module and pull it upwards.
- Make sure you grab the end closest to the edge of the device. You may have to wiggle the module a bit to get it to come free.

Step 9 — Audio Module



- Unscrew the 2.5mm screw on the top portion of the audio module with a Phillips #00 screwdriver.

Step 10



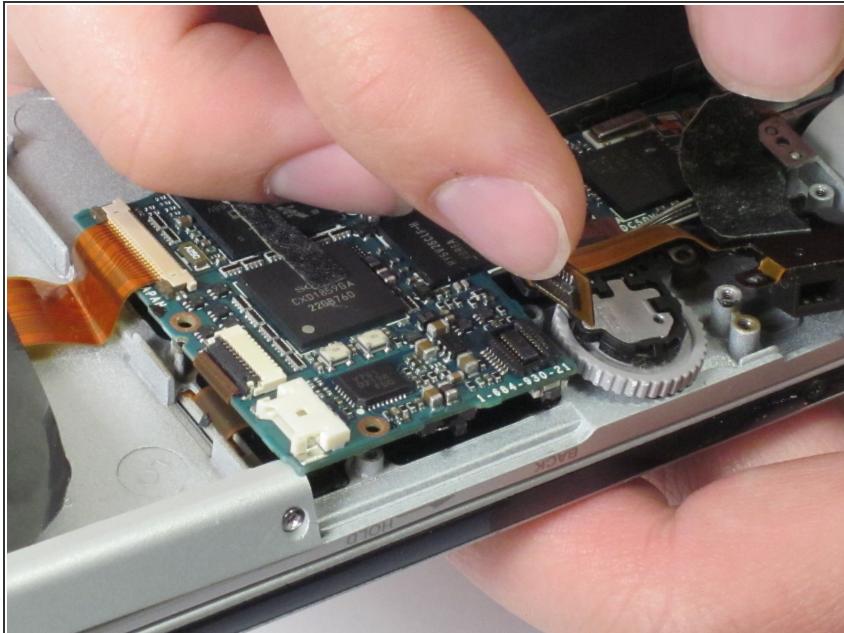
- Remove the tape that is holding the module down.

Step 11



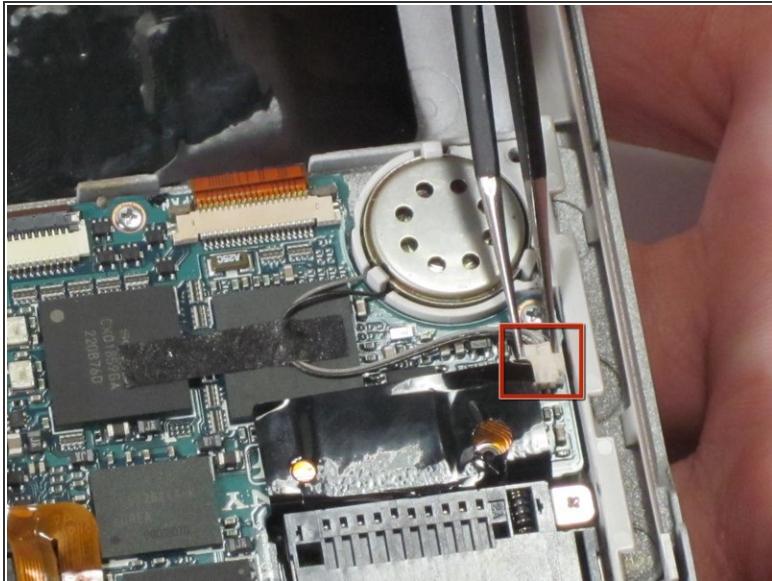
- Lift up the orange ribbon cable and unscrew the two 2.5mm screws located at the corners of the audio module with a Phillips #00 screwdriver.

Step 12



- Unplug the audio module from the motherboard by disconnecting the wires by lifting the orange wire up.

Step 13 — Speaker Rail

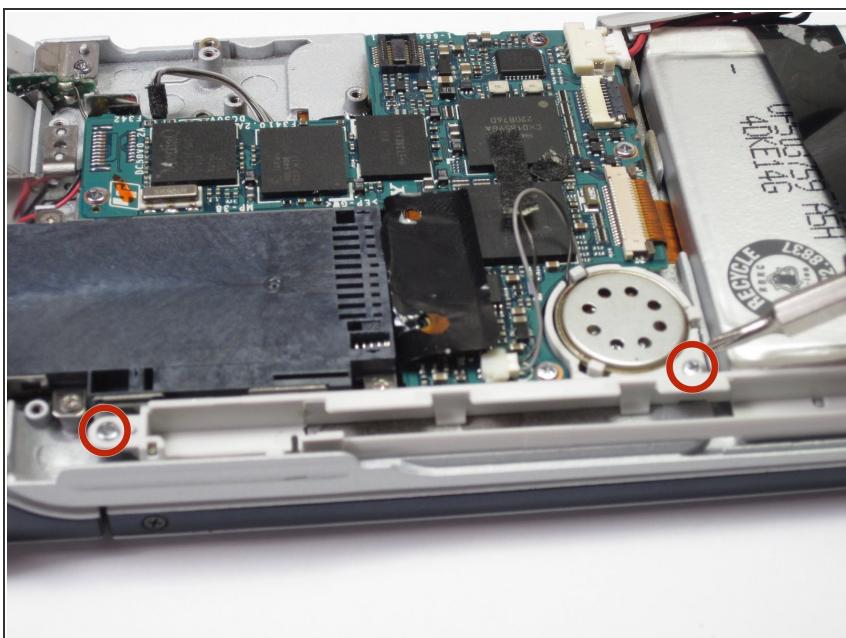


- Use tweezers to unplug the speaker wire from the motherboard by pulling the plug (not the wires) down towards the speaker.

! Be careful not to tear the speaker wires! They are very thin.

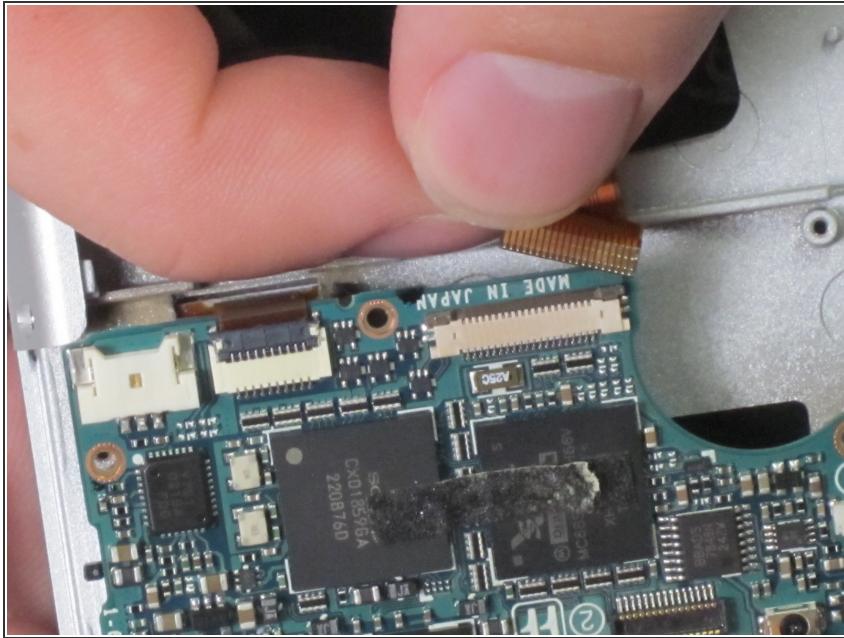
- Remove the tape holding speaker wire by peeling it away.

Step 14



- Holding down the speaker rail unscrew the two 2.5mm screws with a Phillips #00 screwdriver.
- Remove the speaker rail vertically from the device.

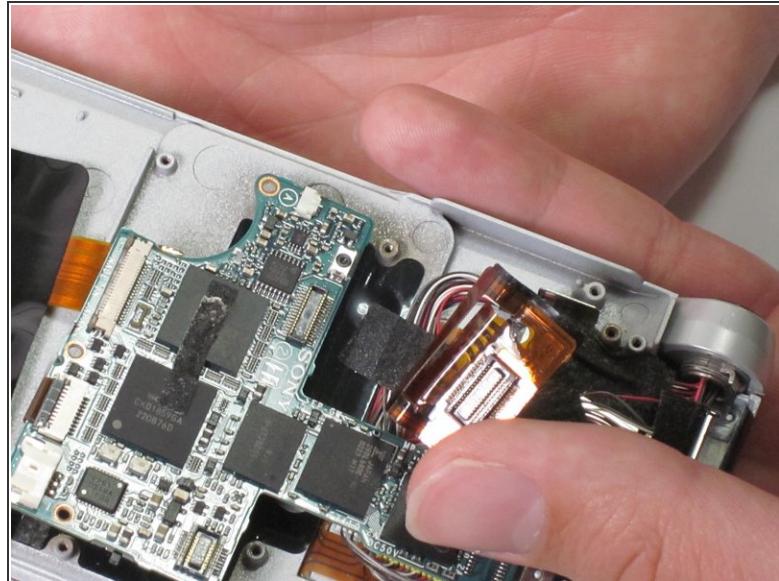
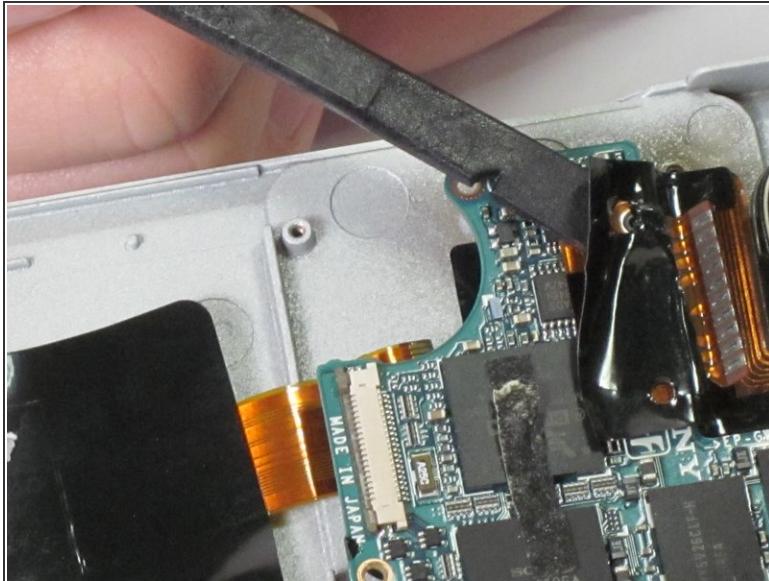
Step 15 — Motherboard



- Unplug the ribbon cable found near the bottom of the motherboard by pulling it towards the bottom of the device.

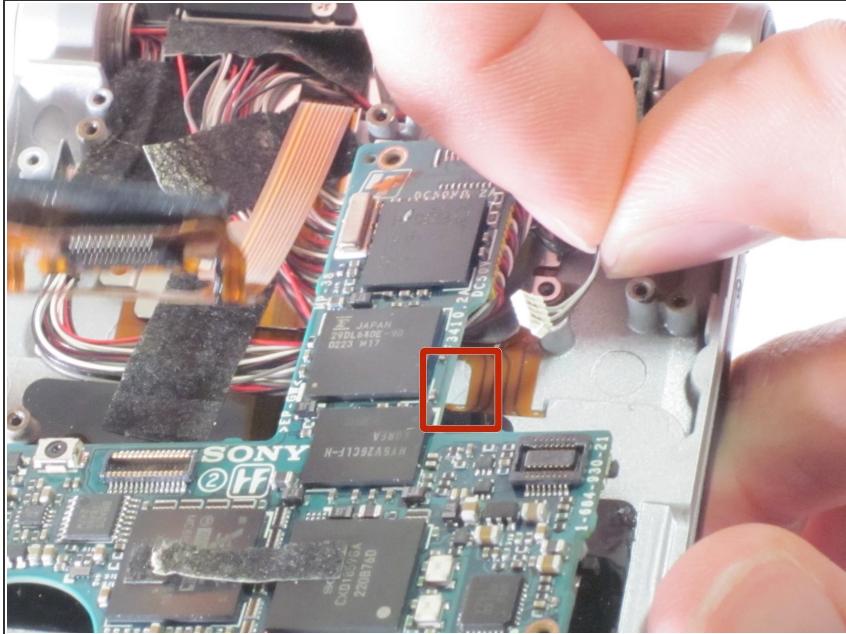
 Be careful not to tear the plug! It is very thin.

Step 16



- Unplug the ribbon cable connected at the bottom of the memory module by prying it up with a spudger.

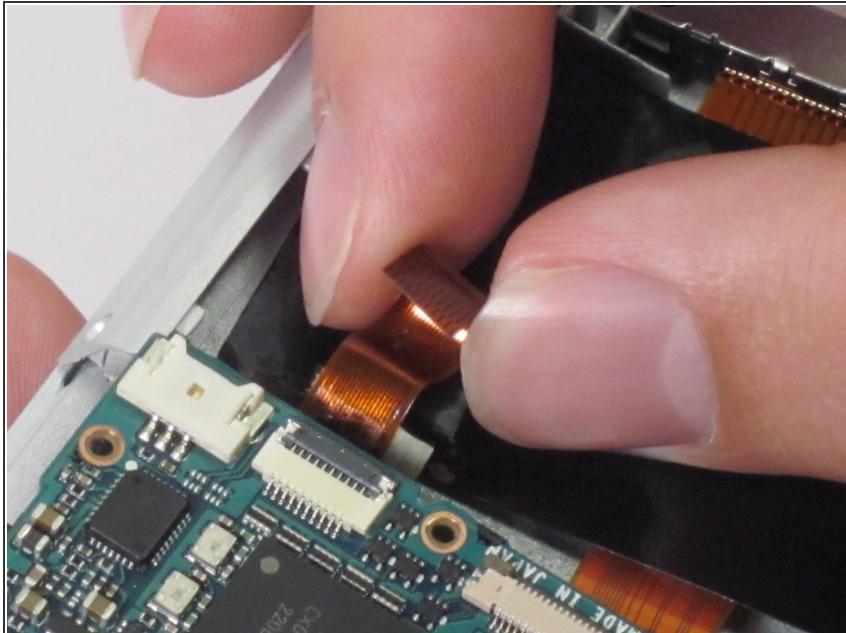
Step 17



- Unplug the wires found underneath the right side of the "stem" of the motherboard by pulling gently.

⚠ Be careful not to tear the wires!
They are very thin.

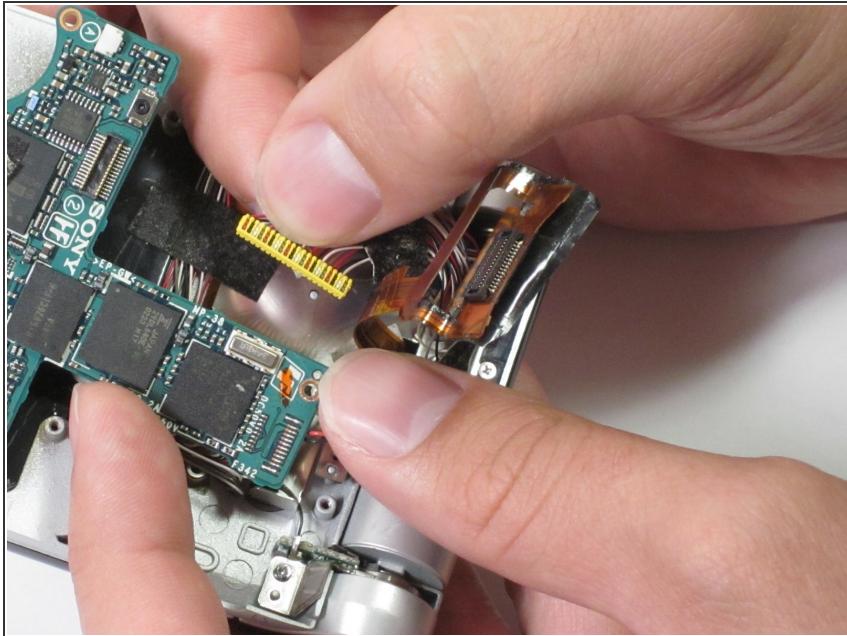
Step 18



- Lift up the black locking tab holding the ribbon cable in place.
- Gently pull on the ribbon cable to remove it from the ZIF connector.

⚠ Be careful not to tear the ribbon cable! It is very thin.

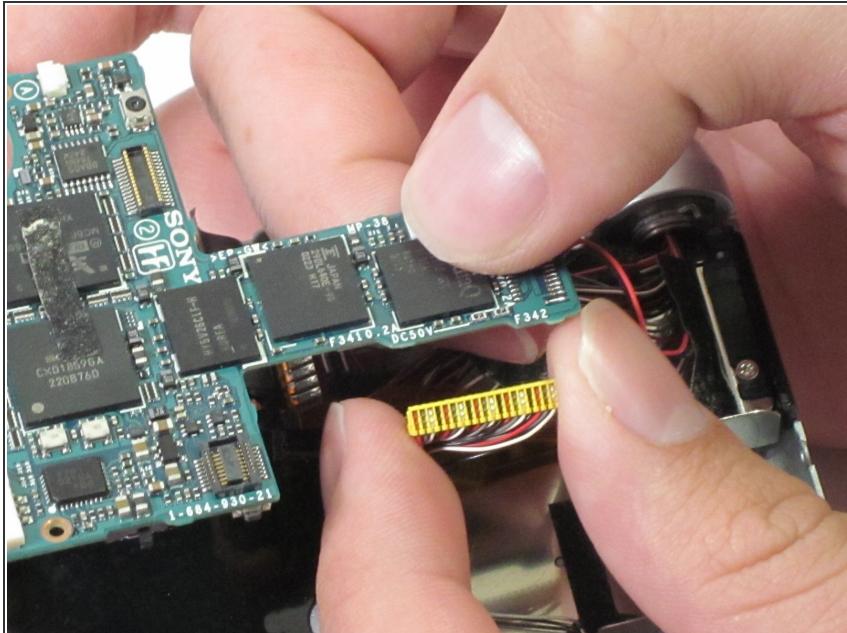
Step 19



- Unplug the yellow connector from the underside of the left side of the motherboard by pulling gently.

 Be careful not to tear the wires!
They are very thin.

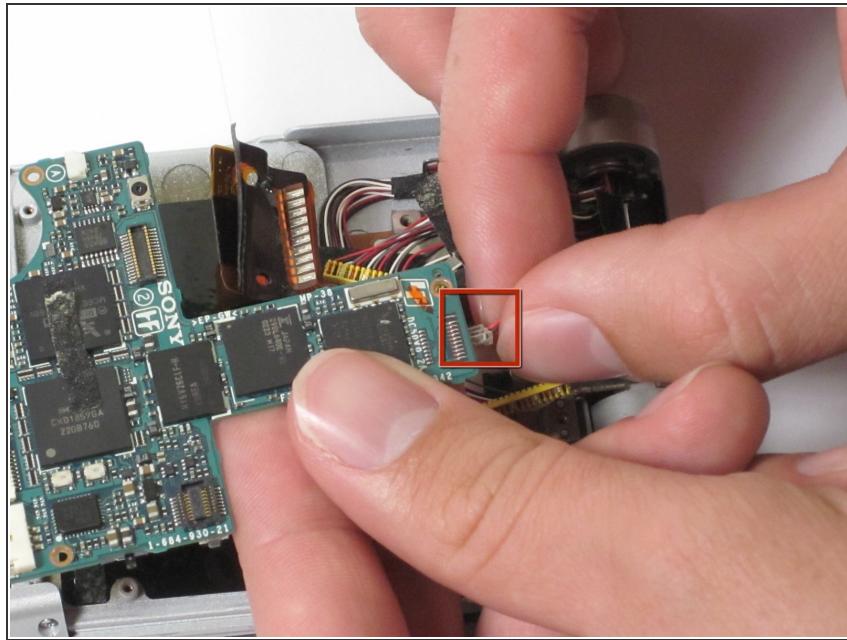
Step 20



- Unplug the second yellow connector from the underside of the right side of the motherboard by pulling gently.

 Be careful not to tear the wires!
They are very thin.

Step 21



- Unplug the last set of wires from underneath the top of the motherboard.
- ⚠️** Be careful not to tear the wires! They are very thin.
- The motherboard should be loose now. You should be able to wiggle it free from the housing.

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