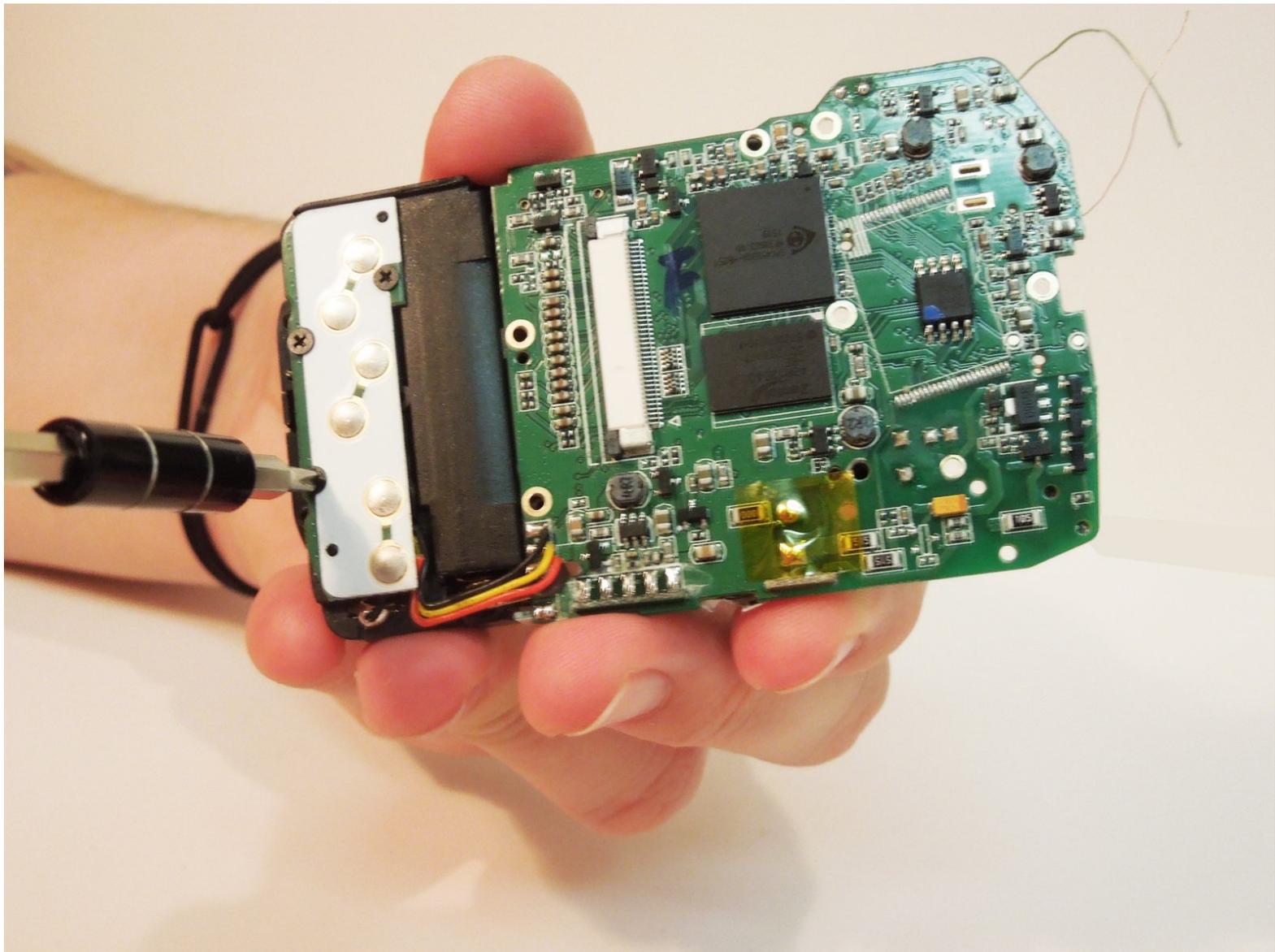




# Ivation IVWPDC20Y Motherboard Replacement

Ivation IVWPDC20Y Repair Motherboard Replacement

Written By: Wendy Jones



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## INTRODUCTION

Use this guide when you need to replace the motherboard.

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### TOOLS:

- [T6 Torx Screwdriver](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
  - [Heavy-Duty Spudger](#) (1)
  - [Soldering Iron](#) (1)
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## Step 1 — Motherboard



- With the H2.0 bit screwdriver, remove the two screws on the yellow waterproof cover

## Step 2



- Apply a plastic opening tool to each of the corners and gently remove the casing
- ⓘ The front casing is held down by adhesive and may require additional work to remove
- ⚠ Apply just enough force to undo the inner latches to make sure not to damage the waterproof seal

### Step 3



- Remove the five silver screws from the inner casing using the PH00 screwdriver bit

### Step 4



- Remove the six screws from the edge of the clear inner casing with the PH00 screwdriver bit
- ⚠ These screws are very small and easy to strip so apply consistent pressure when removing them

## Step 5



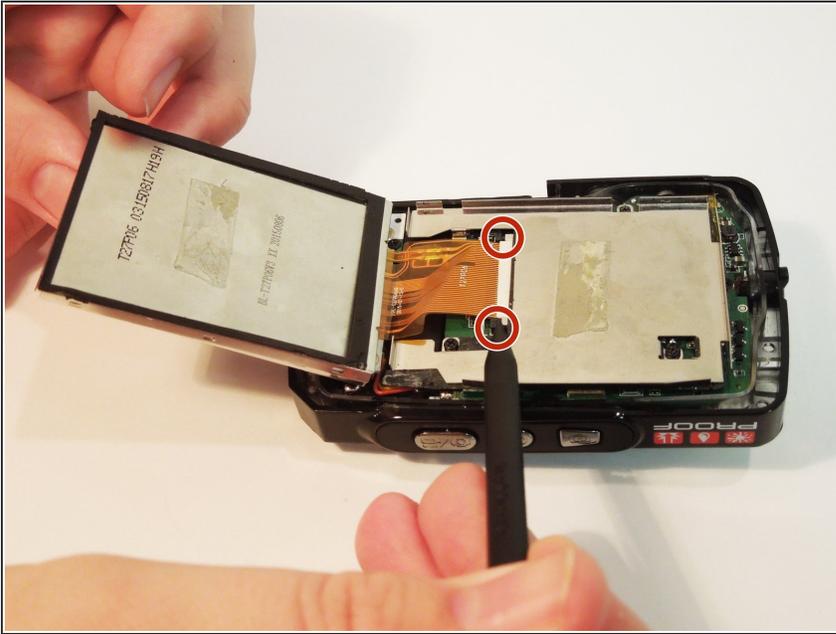
- Pry off back outer casing using the black spudger or the blue prying tools

## Step 6



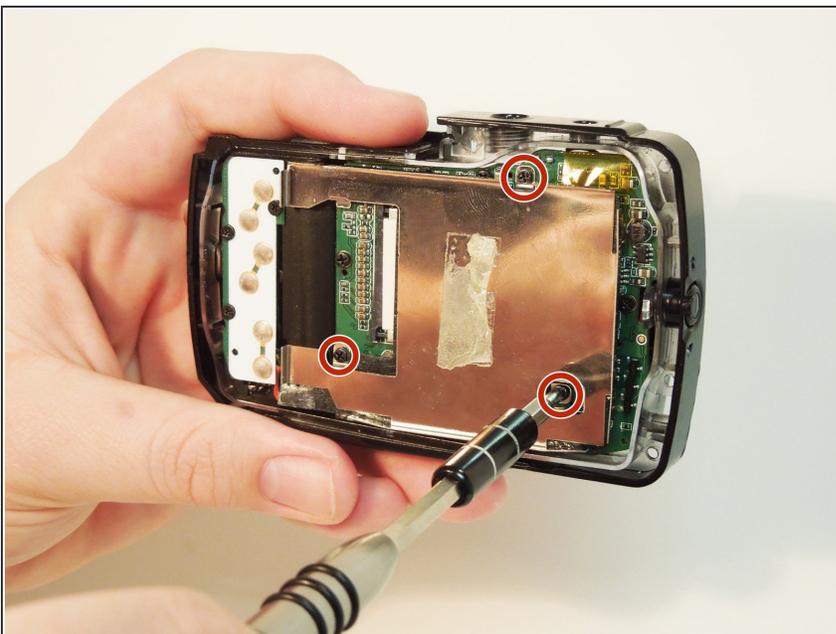
- Carefully remove the screen from the silver casing using a prying tool or the black spudger
- ⚠ There is adhesive in the center of the screen, be sure not to bend it when applying pressure

## Step 7



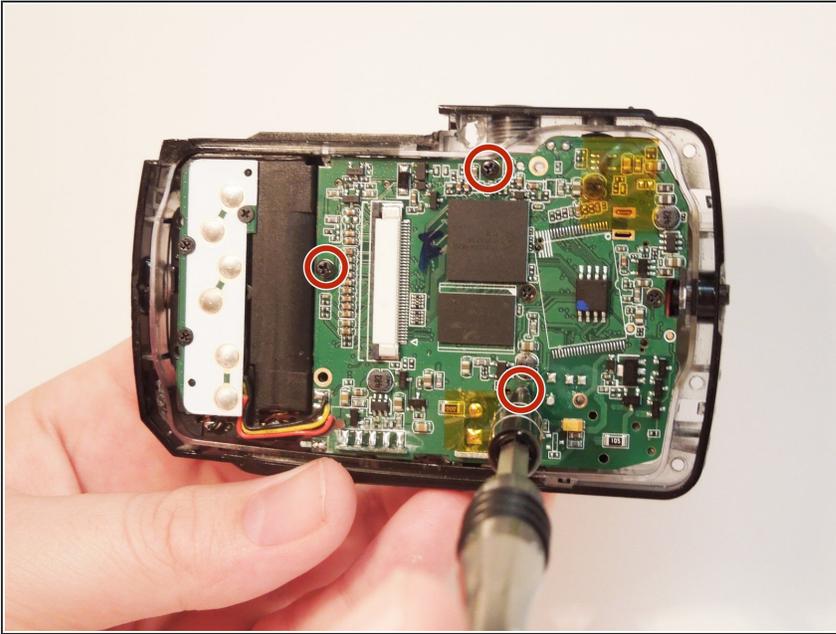
- Gently push out the pins holding the orange tape down using the pointy end of the spudger
- ⓘ Screen and orange tape should slip out as a whole

## Step 8



- Remove three screws holding the silver screen casing to the motherboard using the PH00 bit screwdriver

## Step 9



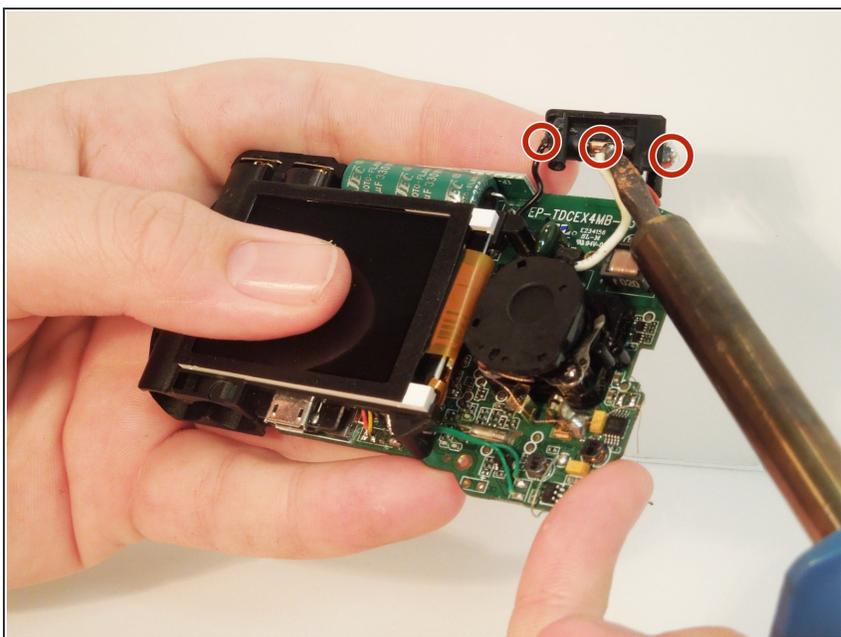
- Remove three screws holding the motherboard into the casing using the PH00 bit screwdriver bit

## Step 10



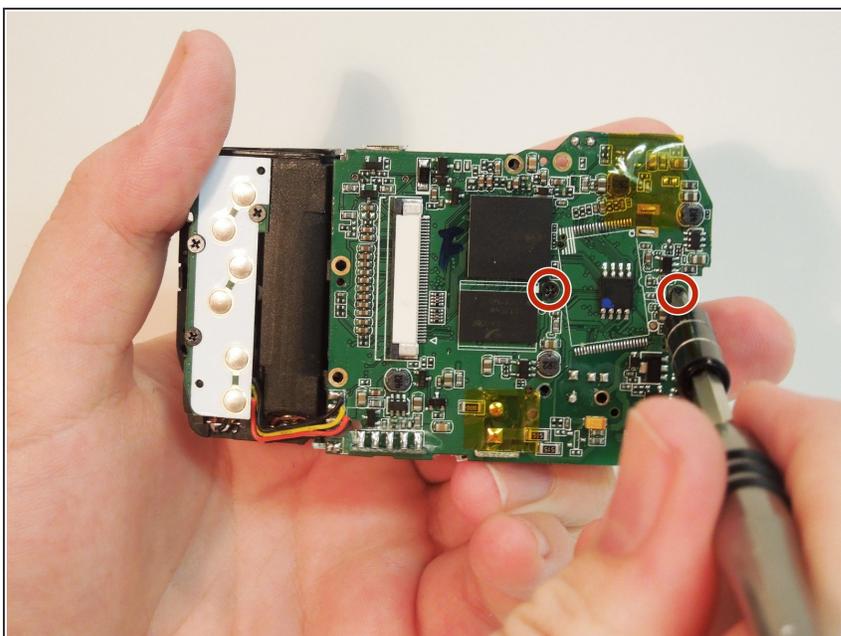
- Gently lift the corner of the motherboard out
- ⓘ Everything should come out as one component free of the casing

## Step 11



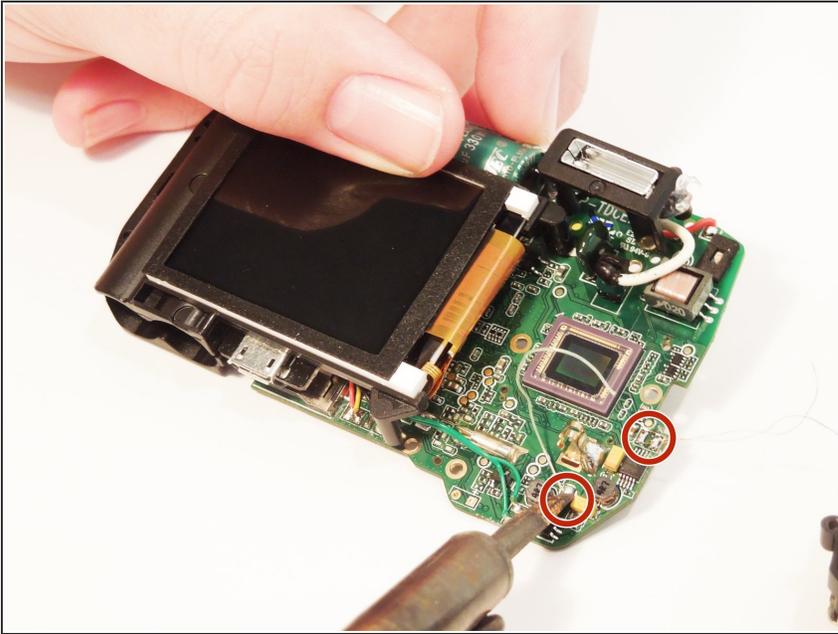
- Remove the soldering on the three wires holding the flash bulb
- ⓘ The wires are different colors: red, white, and black

## Step 12



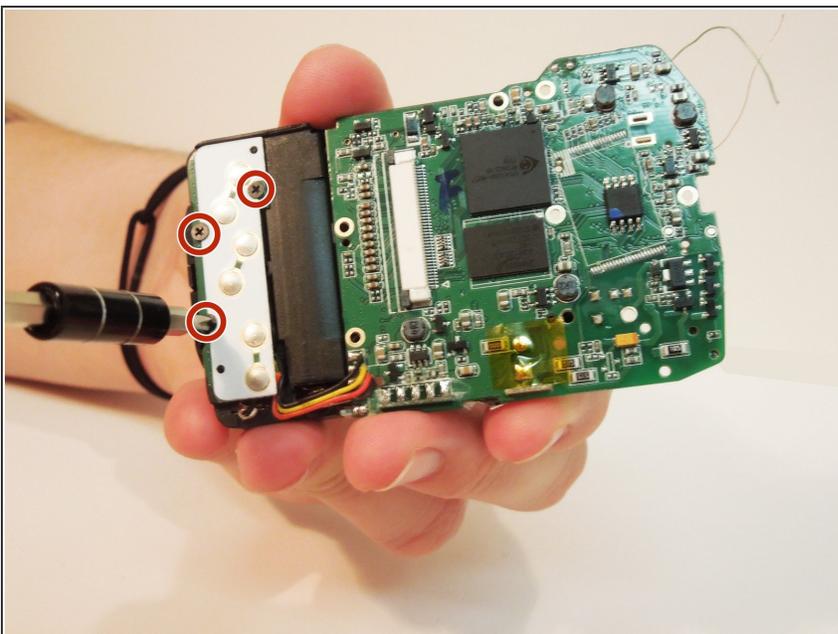
- Remove the two screws holding the lens assembly to the motherboard using the PH00 bit screwdriver

## Step 13



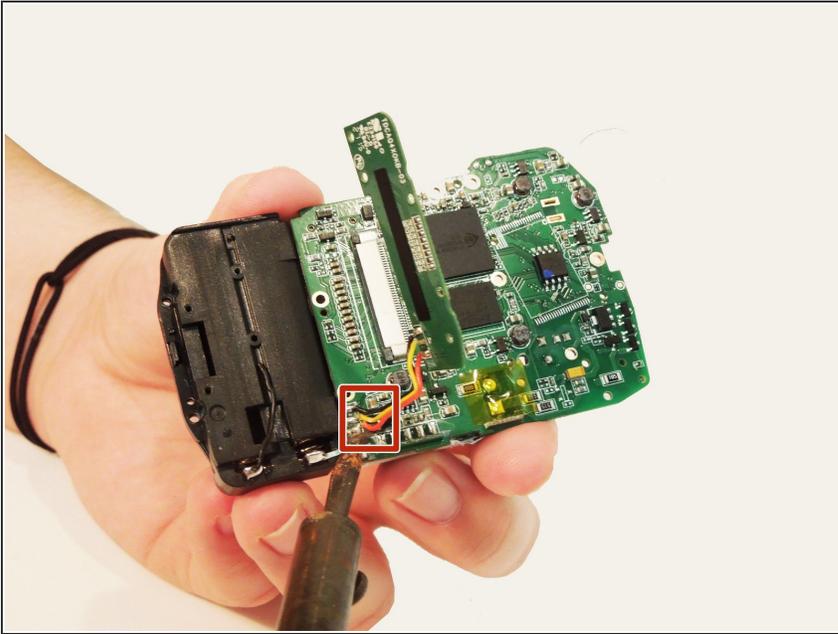
- Remove the soldering on the 3 wires that are connected to the lens unit

## Step 14



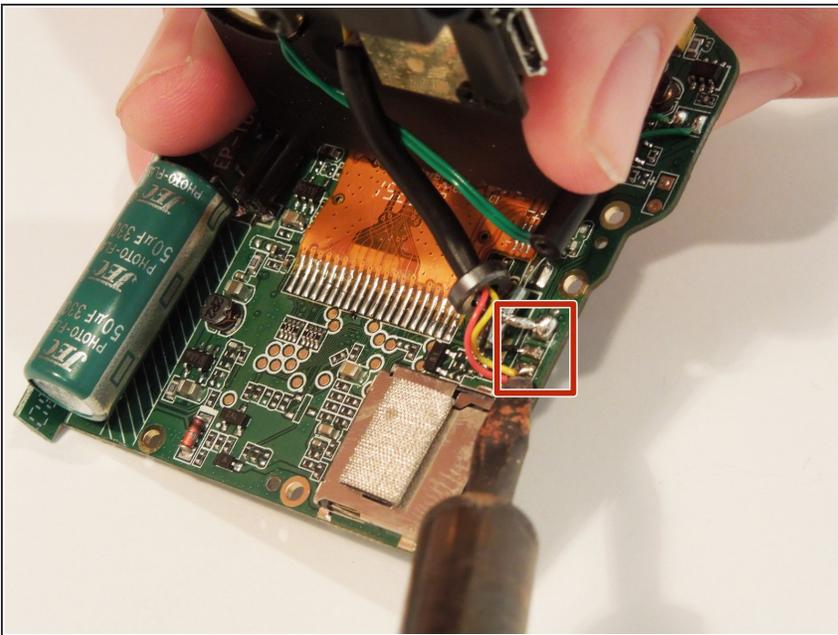
- Remove the three screws holding the button sensors to the battery casing using the PH00 screwdriver bit

## Step 15



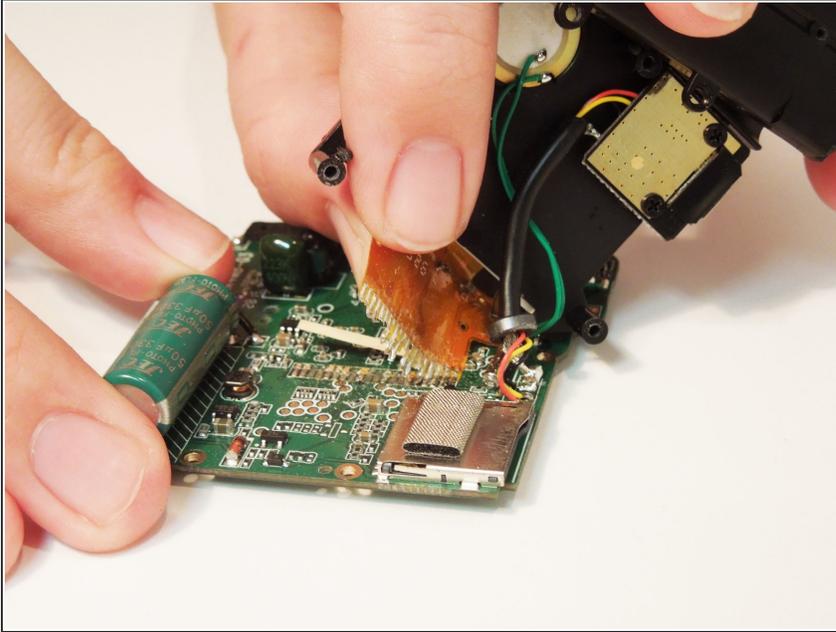
- Remove soldering on the grouping of wires connecting the button sensors

## Step 16



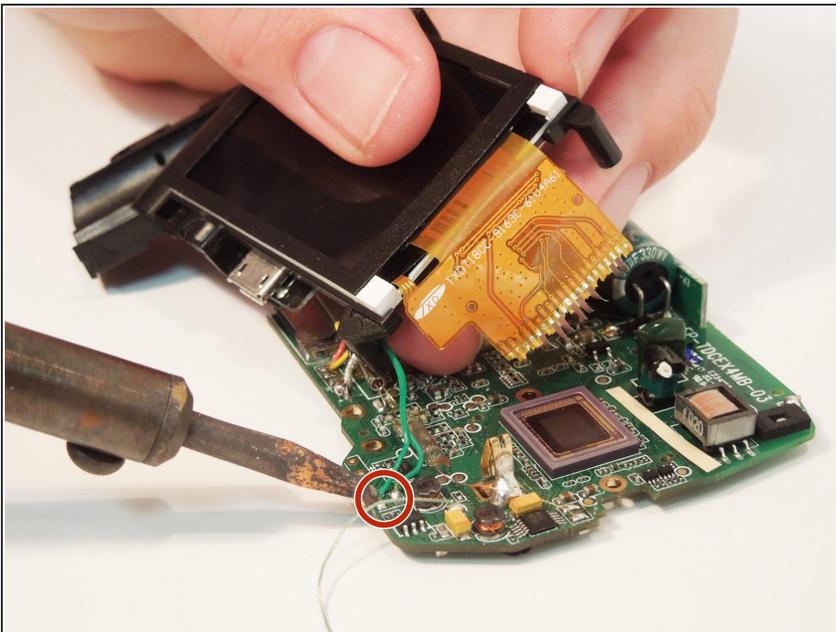
- Lift screen to reveal wires underneath
- Remove soldering connecting screen to the motherboard

## Step 17



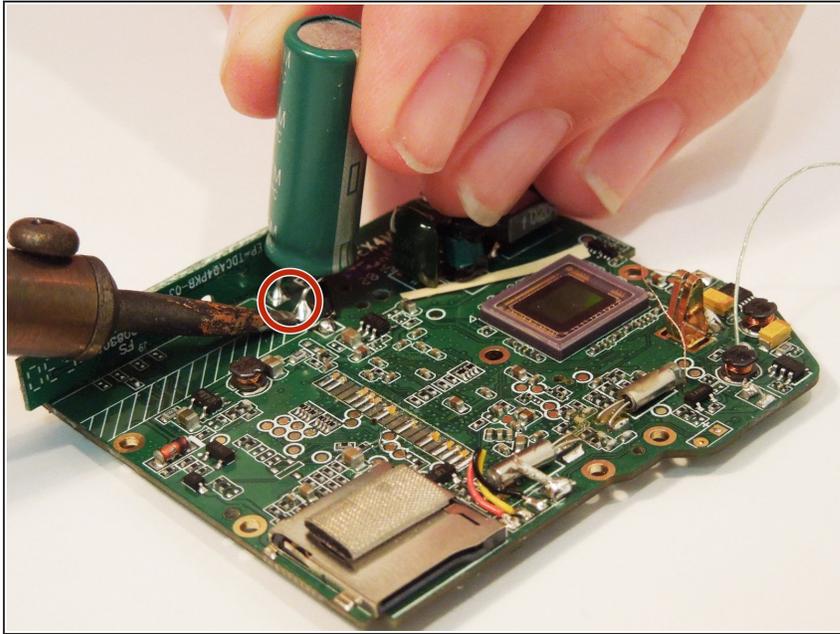
- Gently pull orange tape from the motherboard

## Step 18



- Remove soldering from the two green wires connected to the motherboard

## Step 19



- Gently bend the capacitor upwards
- Remove soldering from the two connectors

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