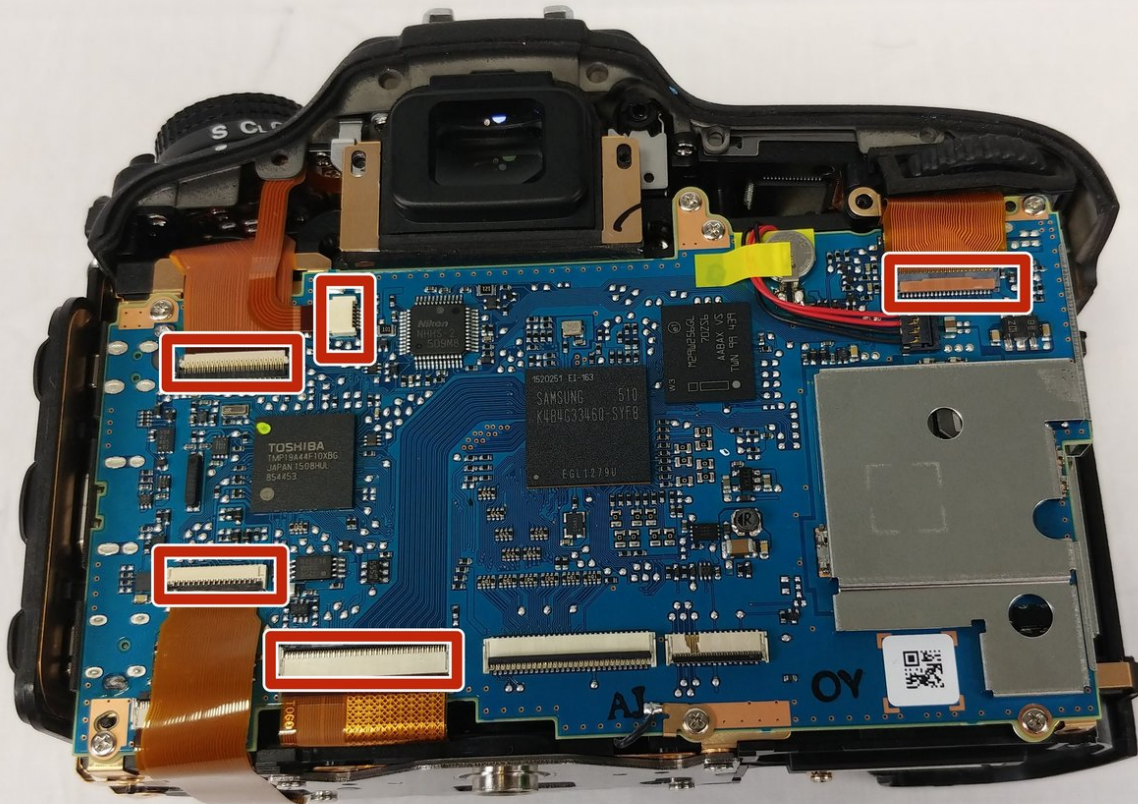# Nikon D7100 Motherboard Replacement

The purpose of this guide is to replace a faulty motherboard.

Written By: Alexander DiMartino

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🔧 TOOLS:

- JIS #000 Screwdriver (1)
- Spudger (1)

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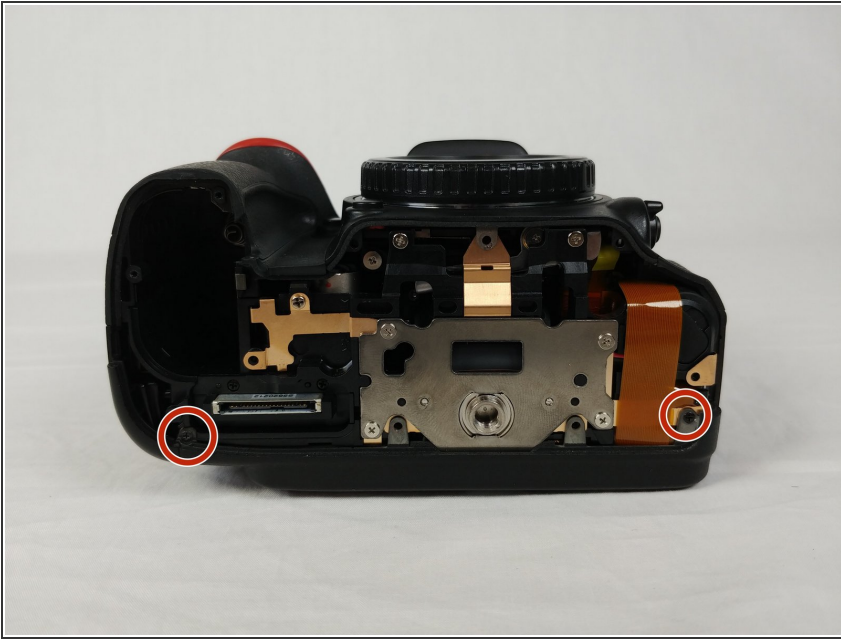
Step 1 — LCD Screen

- Remove the five screws on the bottom of the camera with a JIS #000 head screwdriver.

Step 2

- Remove the 3 screws under the battery flap and remove the bottom cover.

Step 3

- Remove the 2 screws inside the camera on the back corners.

Step 4

- Open the HDMI flap and remove the 2 screws.

Step 5

- Remove the screw next to the camera strap loop.

Step 6

- Remove the 2 screws on each side of the view finder.

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Step 7

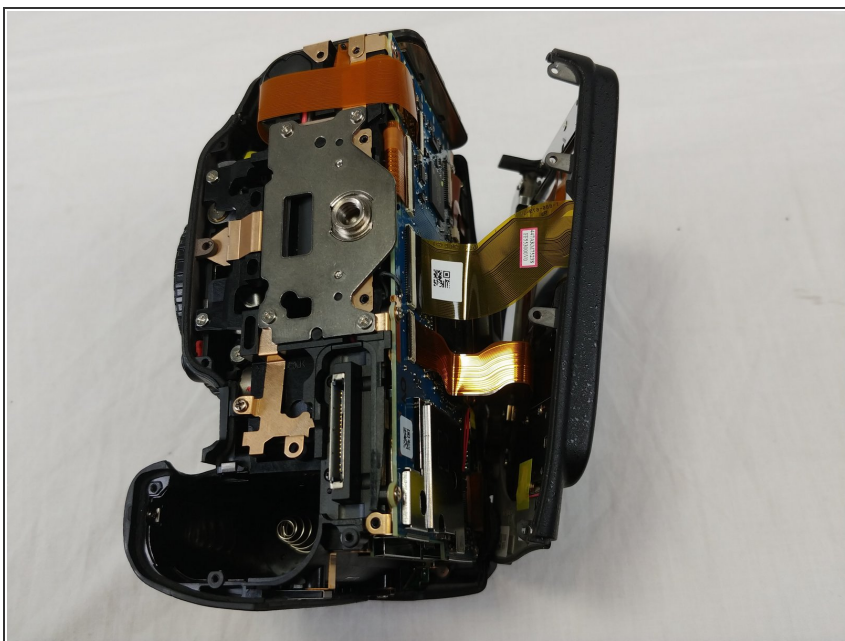- Remove the 2 screws above and below the SD card flap.

Step 8

- Peel off the adhesive leather screw cover and remove the 2 screws under it.

Step 9

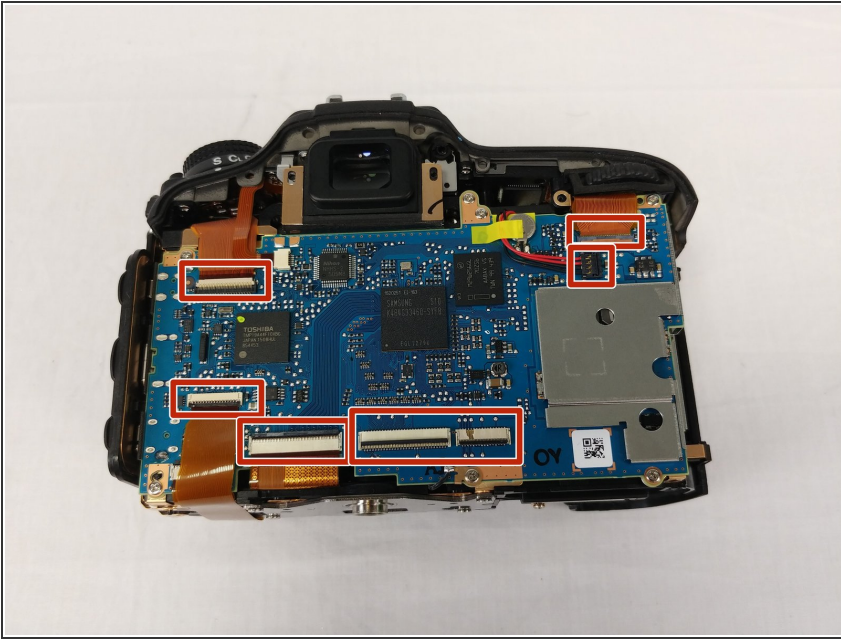- Remove the Diopter adjustment control sticker and remove the screw under it.

Step 10

- Separate the back panel of the camera from the actual camera.

⚠️ Be careful not to tear any of the ribbon cables.

Step 11

- Disconnect the LCD ribbon cables and power cable from the motherboard.

Step 12

- Unscrew all 16 screws around the back plate of the camera.

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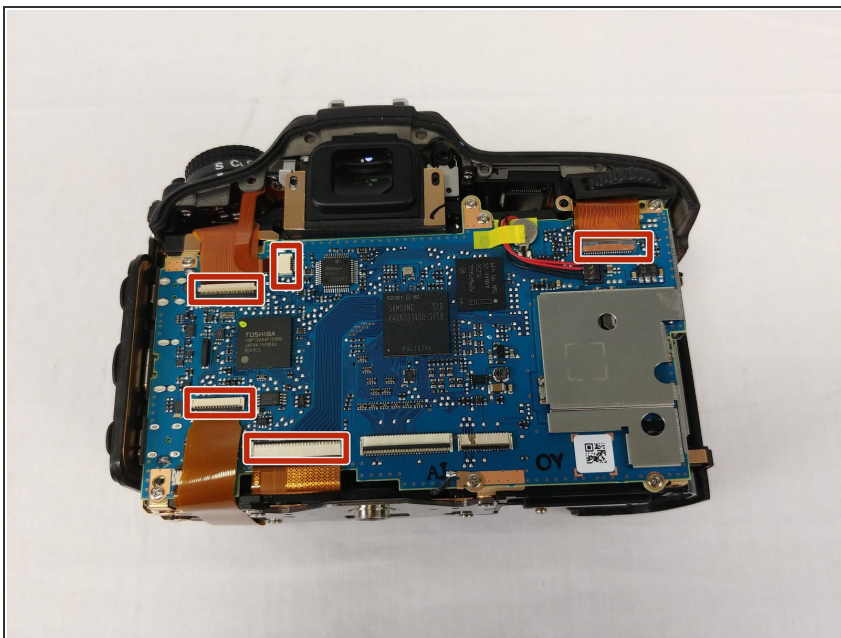© iFixit — CC BY-NC-SA | www.iFixit.com | Page 8 of 11
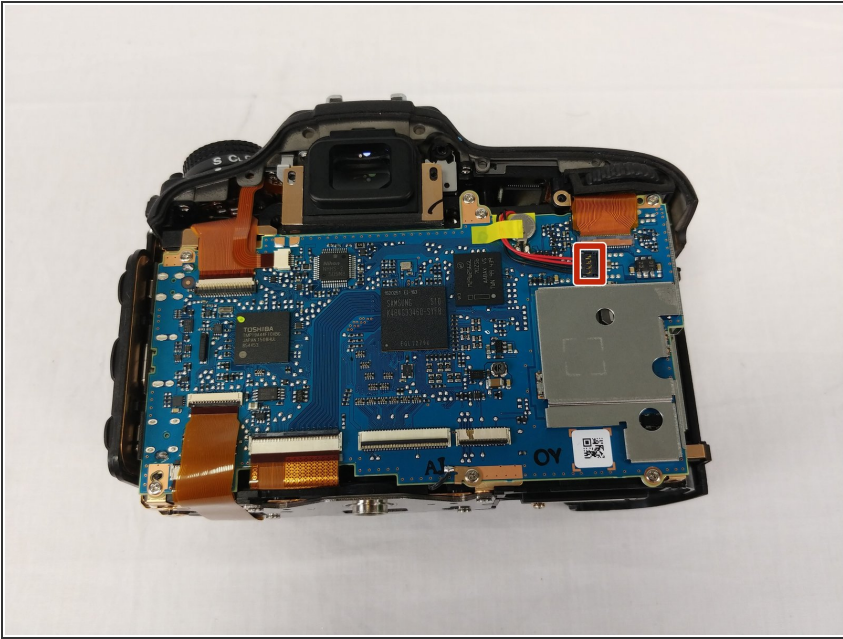
Step 13

- Then unscrew the remaining screws holding the back plate to the LCD.

- Then simply remove the plate with the LCD.
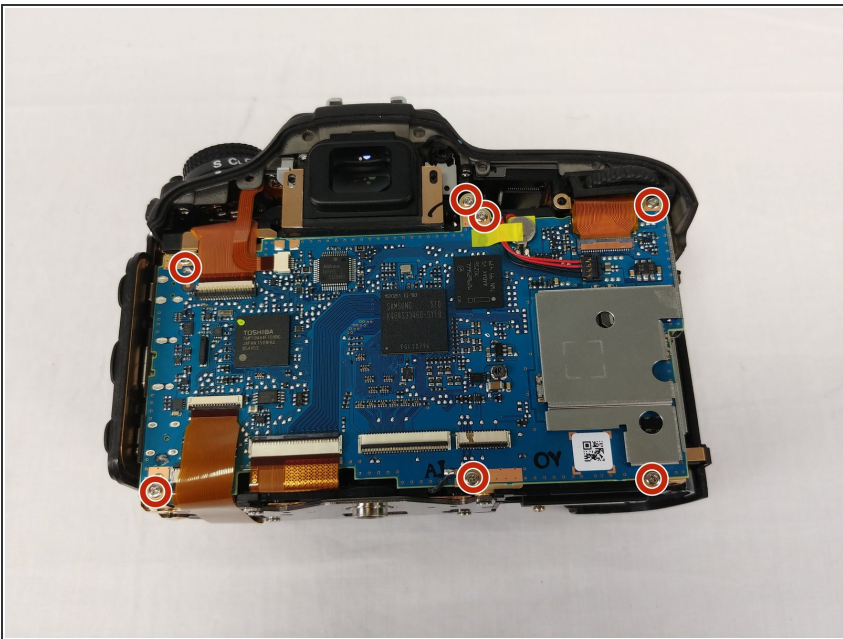
Step 14 — Motherboard

- Undo the 5 ribbon cable connectors by flipping the latches up with a plastic spudger.
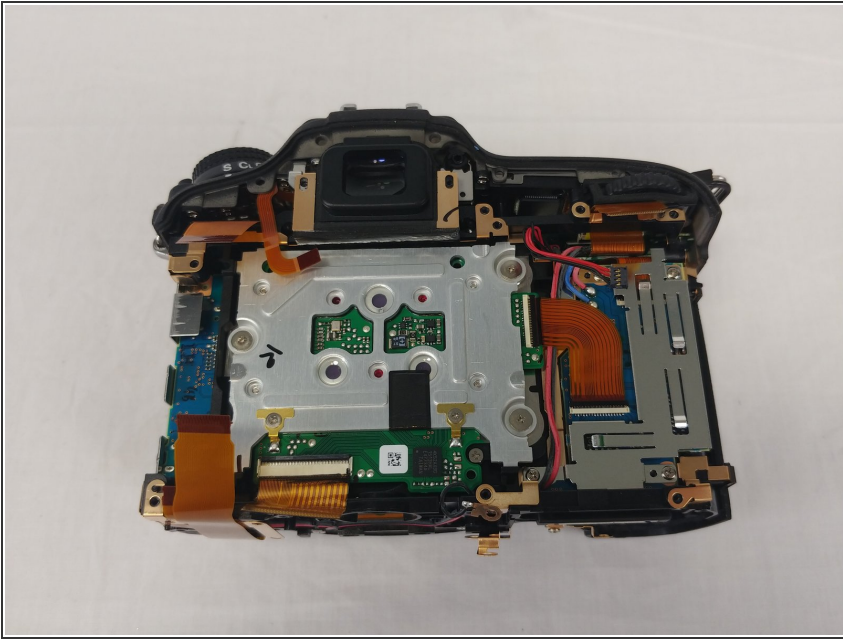
Step 15

- Remove the black 4 pin connector by pulling it out of the connector.

Step 16

- Remove the 7 screws holding the motherboard in place.

Step 17

- This is what you should see after removing the motherboard.

Remember to replace your broken components. Then follow the instructions in reverse order to reassemble your device.