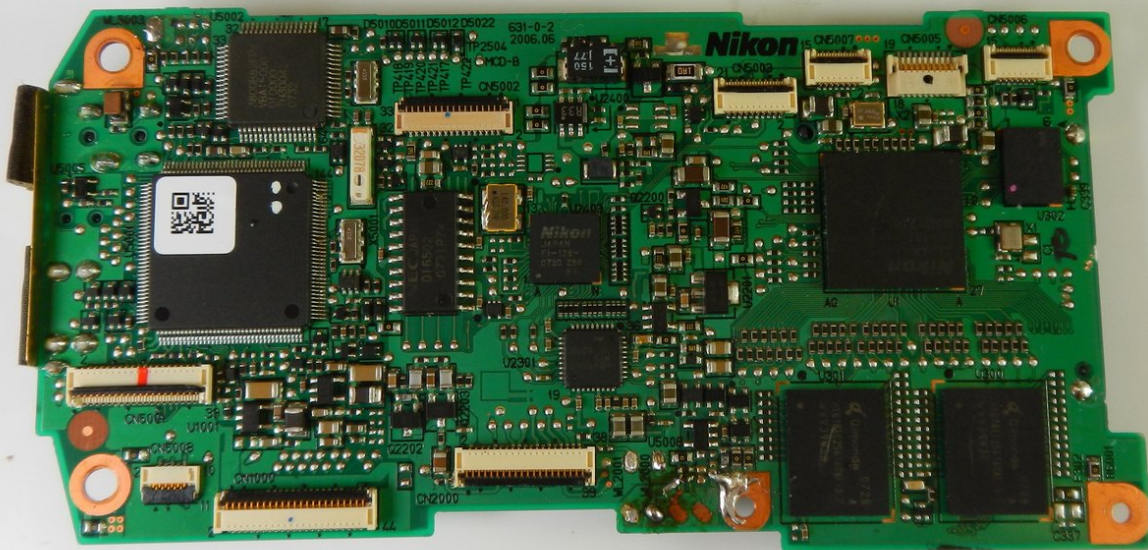# Nikon D40 Mainboard Replacement

Replacing the mainboard can solve severe software issues. Be prepared to solder!

Written By: Joe Leija

INTRODUCTION

The mainboard controls all of the software on the Nikon D40. A faulty mainboard can cause problems that will require a new board. This guide will show you how to replace the camera's mainboard.

🔧 TOOLS:

- Soldering Iron (1)
- Phillips #1 Screwdriver (1)
- iFixit Opening Tools (1)

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Step 1 — Back Cover

- Remove the two visible 6.0 mm Philips #0 screws on the left and right sides of the viewfinder. These screws are highlighted in red.

Step 2

- Remove the four 6.0 mm Philips #0 screws on the left and right sides of the camera.
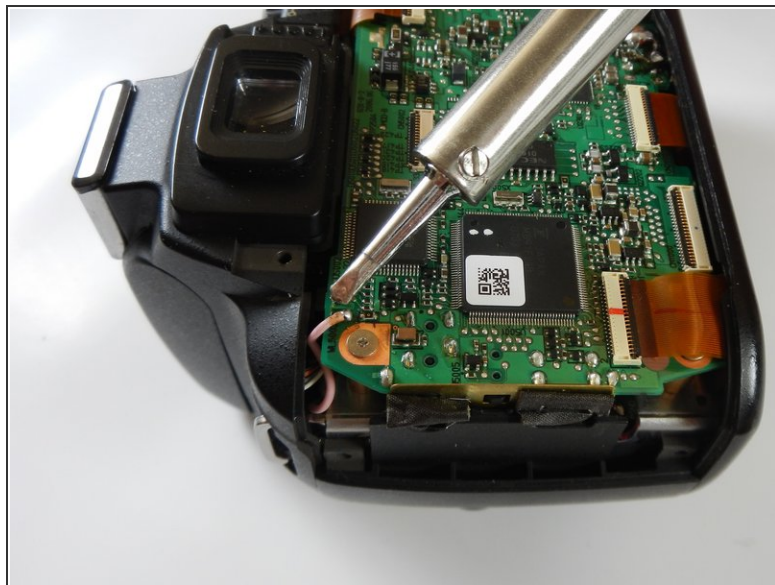
Step 3

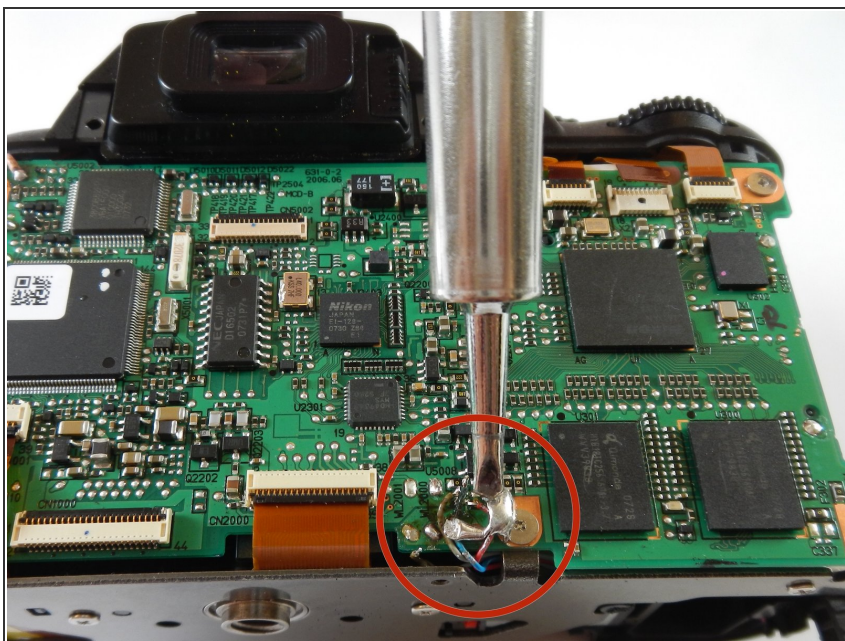- Remove the four highlighted 3.0 mm Philips #0 screws on the bottom of the camera.

Step 4

- While pulling the bottom down, remove the back of the camera.

⚠ Be careful not to pull too hard on the back as it is connected via a ribbon cable. Be sure to disconnect this cable on the main board.

ⓘ To disconnect the ribbon cable pull the small black tab upward and pull gently on the cable.
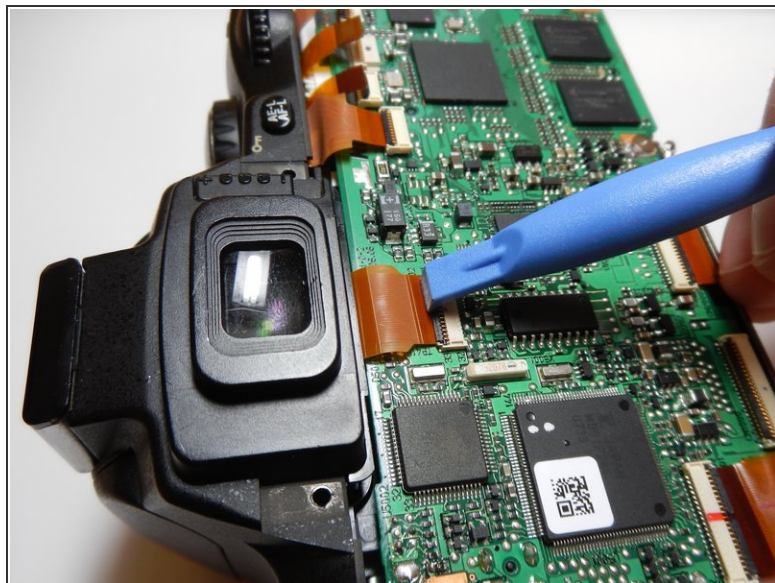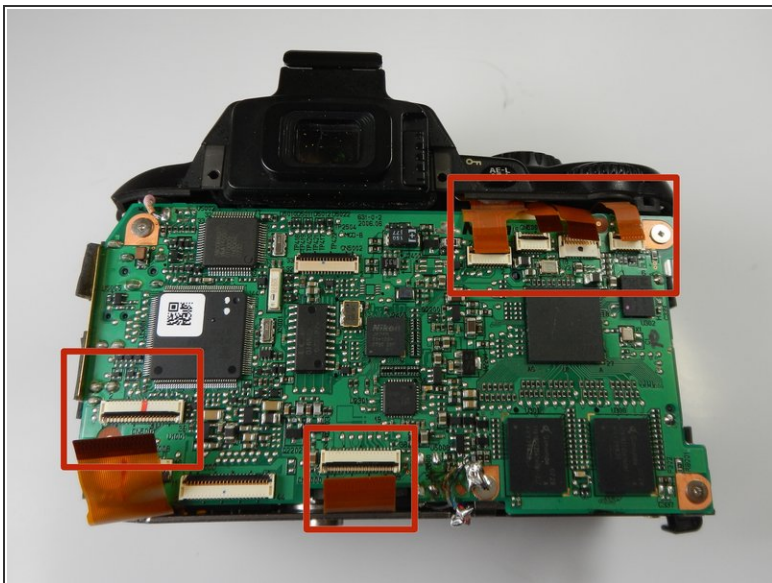
Step 5 — Mainboard

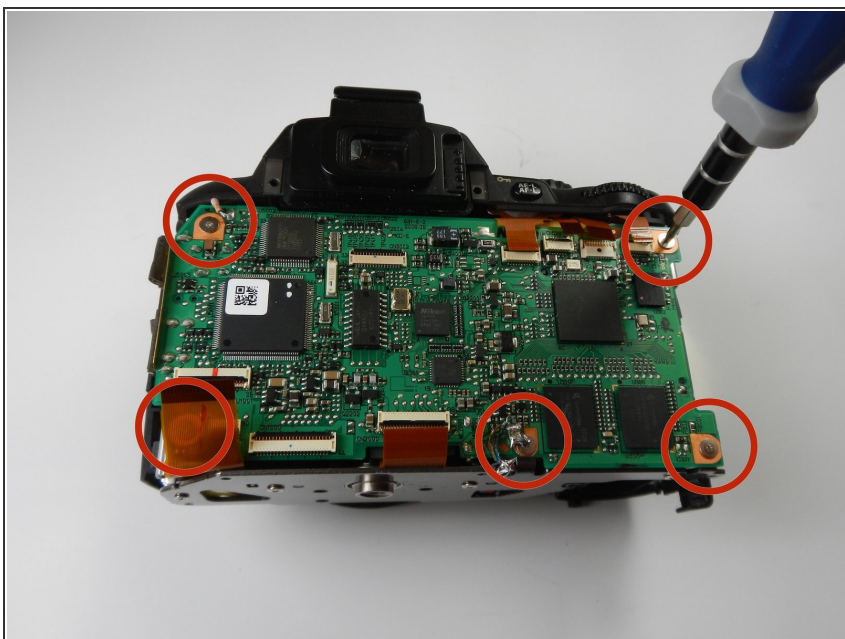- Remove the solder connecting the red wire to the mainboard.

Step 6

- Desolder the 4 smaller wires near the bottom of the mainboard.

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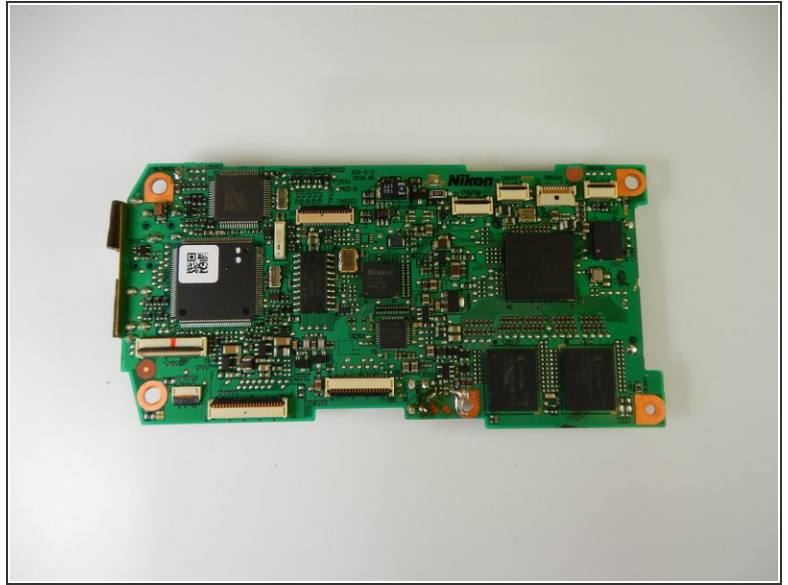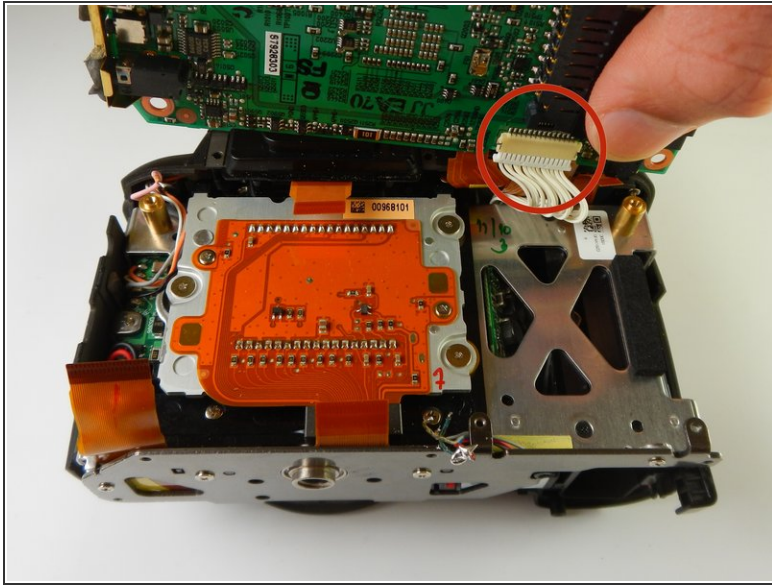
Step 7

● Use the plastic opening tool to release the ribbon cables attached to the mainboard.

Step 8

● Remove the five 3.0mm Philips #1 screws holding the mainboard down.

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Page 6 of 7

Step 9

- Lift the mainboard up to reveal the final connection.

⚠️ Carefully detach the white cable from the board.

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

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