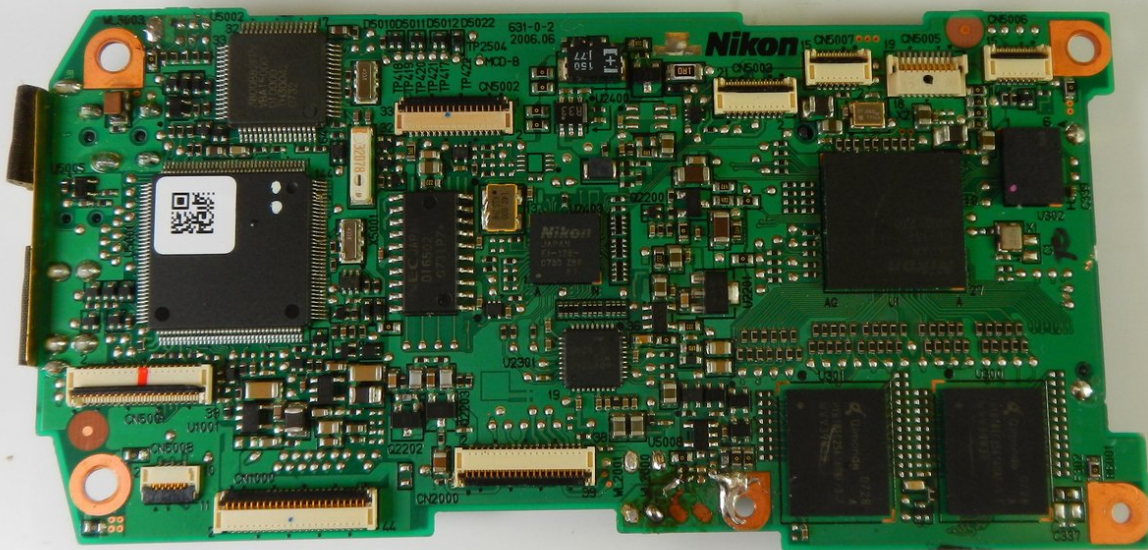




# Nikon D40 Mainboard Replacement

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

Written By: Joe Leija



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## 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.

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### 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



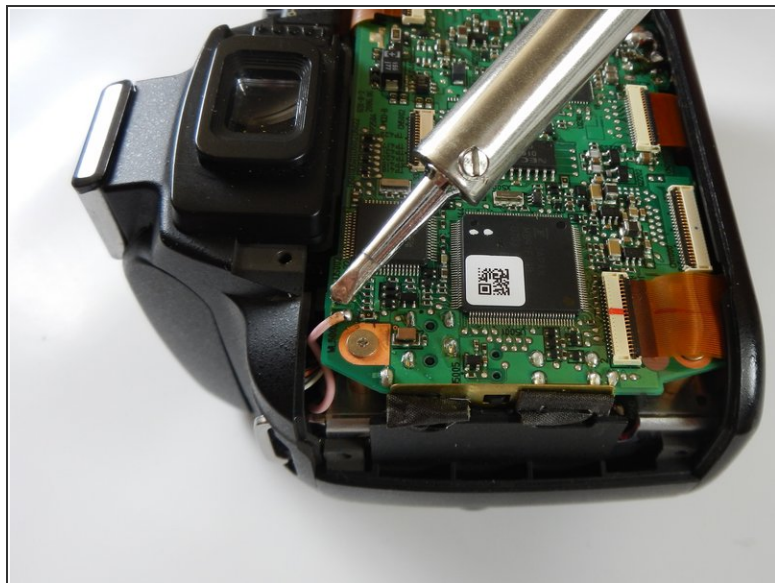
- Remove the four highlighted 3.0 mm Philips #0 screws on the bottom of the camera.

### Step 4



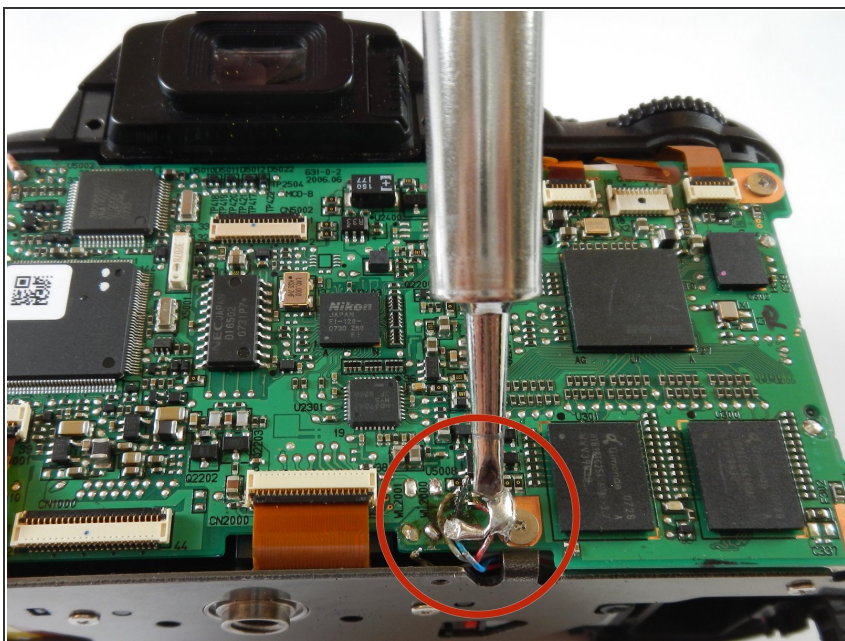
- While pulling the bottom down, remove the back of the camera.
- ⚠ Be careful not to pull too hard on the back as it is connected via a ribbon cable. Be sure to disconnect this cable on the main board.
- ⓘ To disconnect the ribbon cable pull the small black tab upward and pull gently on the cable.

## Step 5 — Mainboard



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

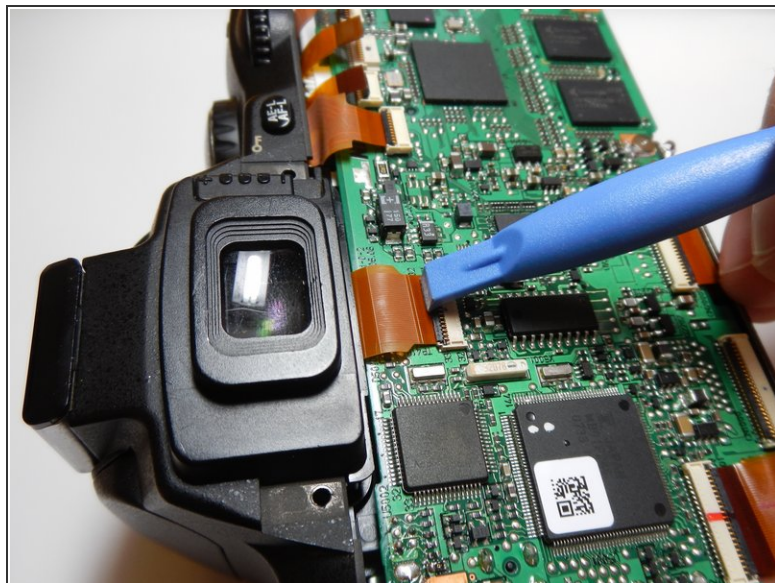
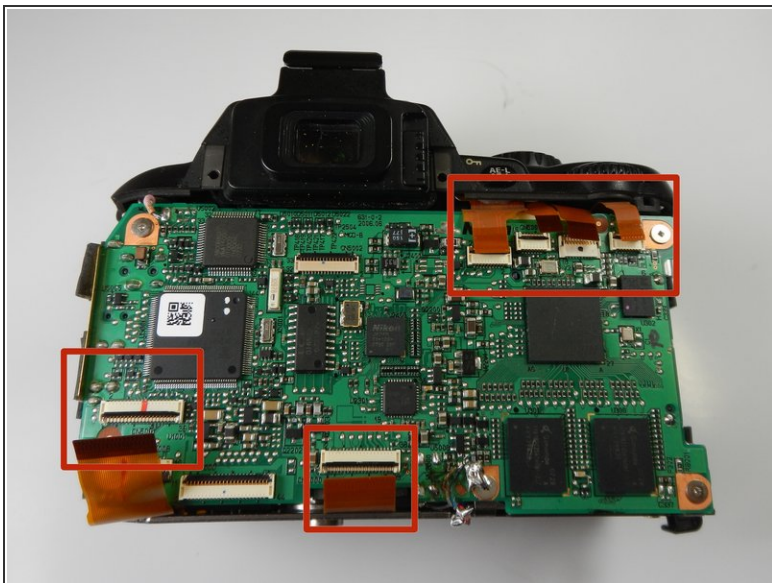
## Step 6



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

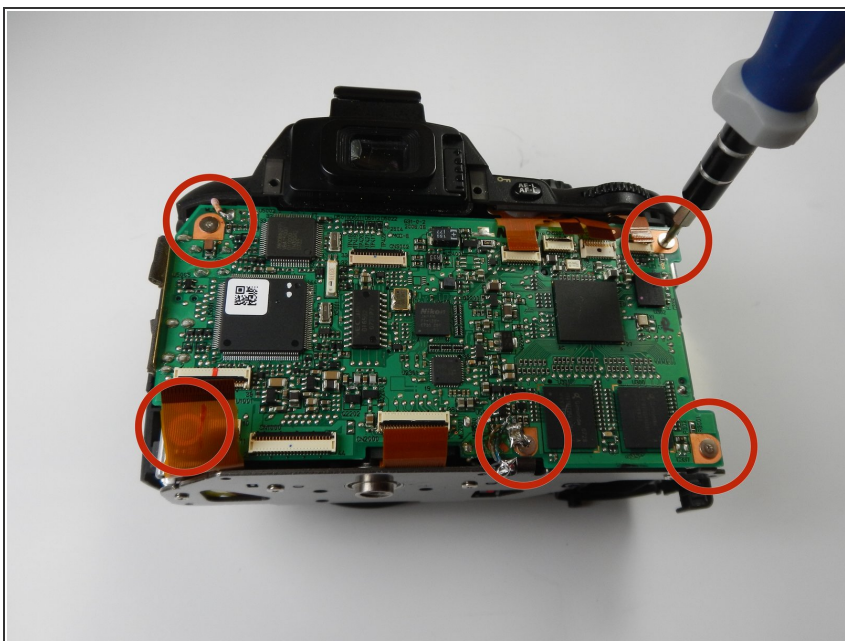


## Step 7



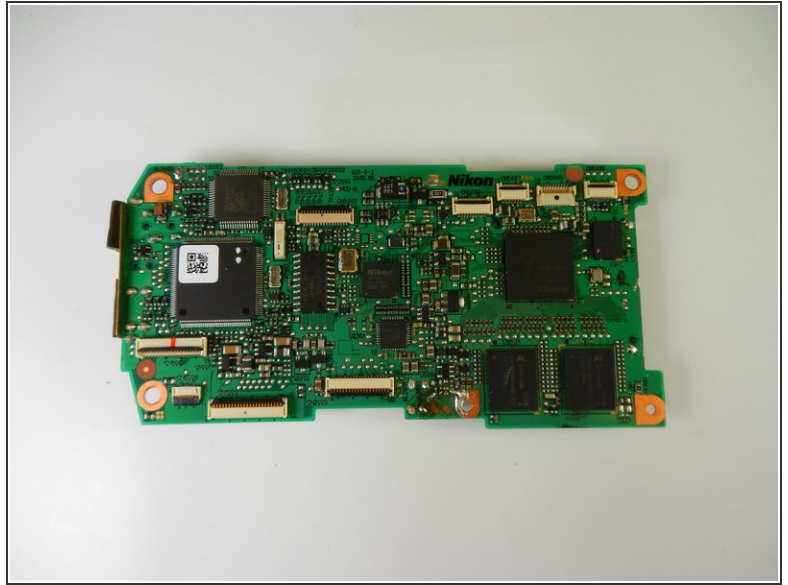
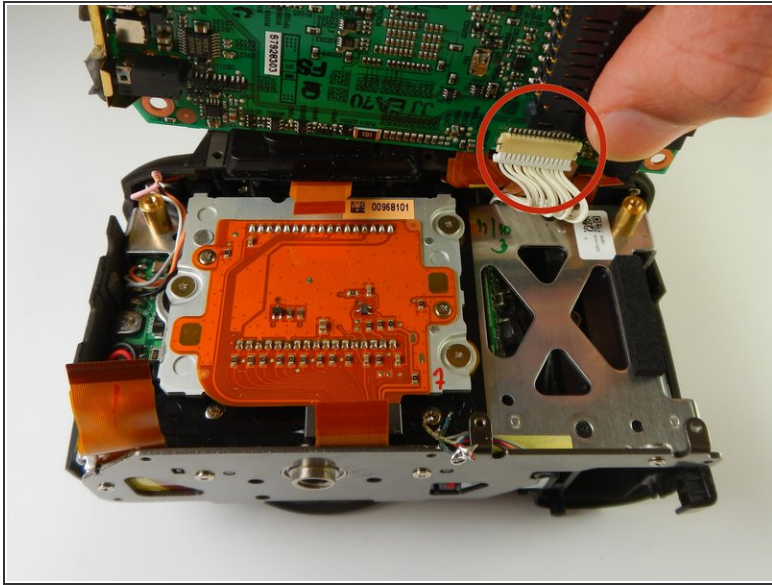
- Use the plastic opening tool to release the ribbon cables attached to the mainboard.

## Step 8



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

## 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.