Nikon D70 DC/DC Board Replacement

Replace the DC/DC Board in your Nikon D70.

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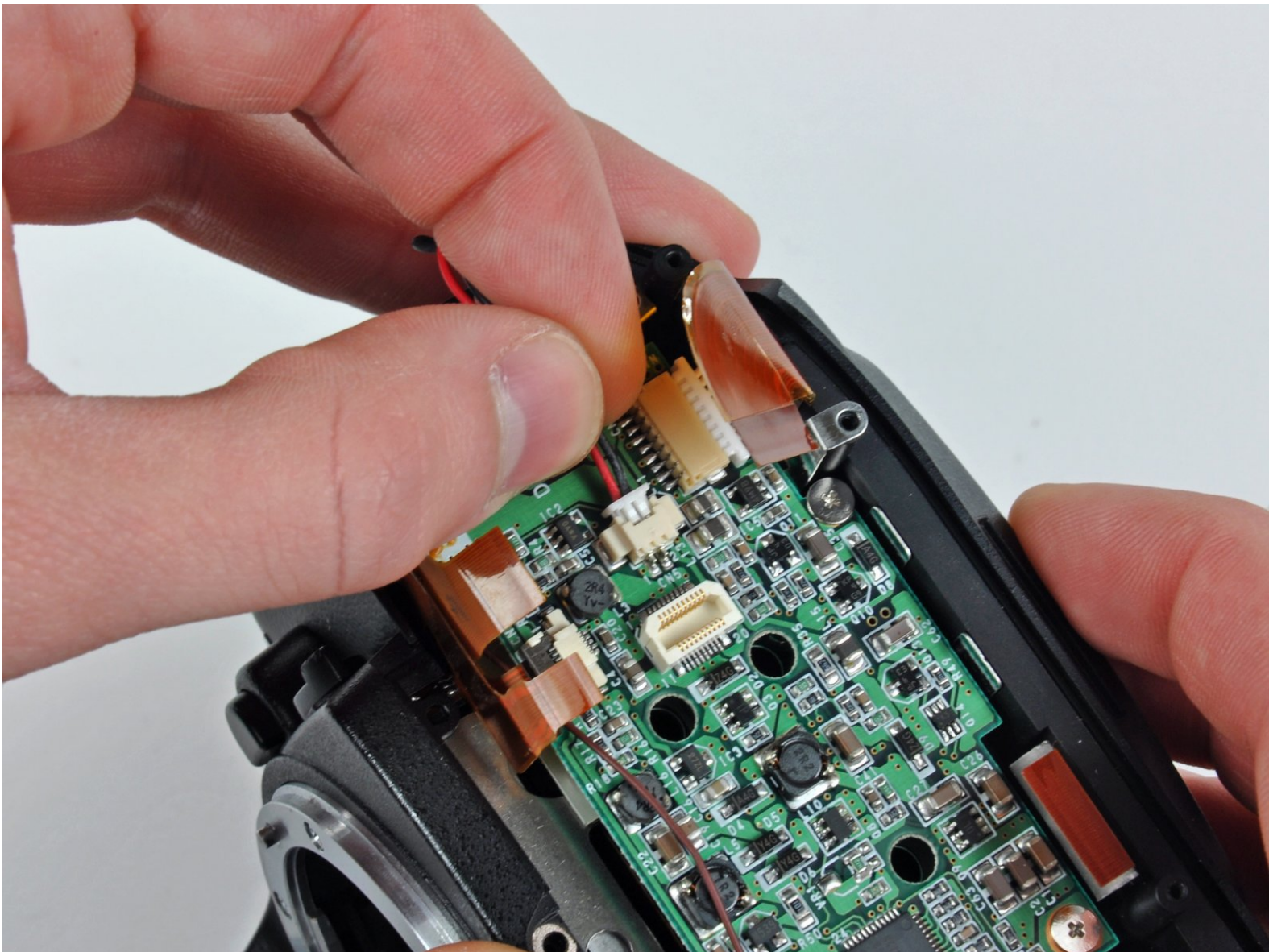
INTRODUCTION

Replacing the DC/DC board requires a fine tipped soldering iron and knowledge of surface mount soldering.

�' TOOLS:

- Phillips #00 Screwdriver (1)
- Solder (1)
- Soldering Iron (1)
- Tweezers (1)

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Step 1 — Battery

- Use your finger tip to pull the battery release tab toward the center of the D70.

- Open the battery door and rotate it away from the bottom cover.

Step 2

- Pull the battery out of the D70.

- (i) It may be necessary to wiggle the battery while pulling to free it from its pocket in the case.

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## Step 3 — Bottom Cover

- Remove the following eight screws securing the bottom cover to the D70:
  - Six 5.8 mm Phillips screws
  - One 10.7 mm Phillips screws
  - One 8.2 mm Phillips screws

Step 4

- Carefully pull the bottom cover to separate it from the body of the D70.

- Remove the bottom cover from the D70.

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Step 5 — Memory Compression Board
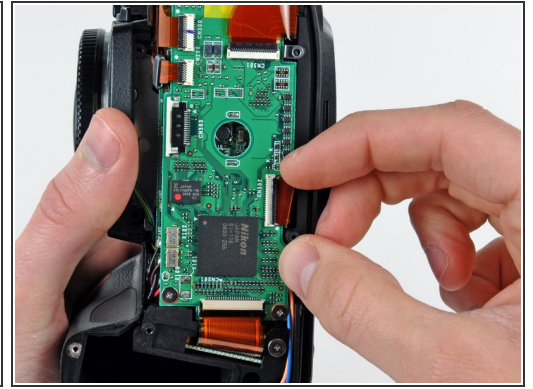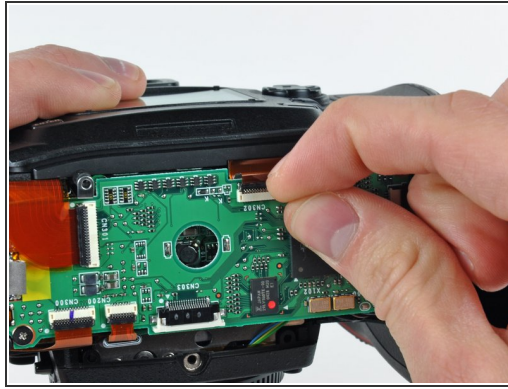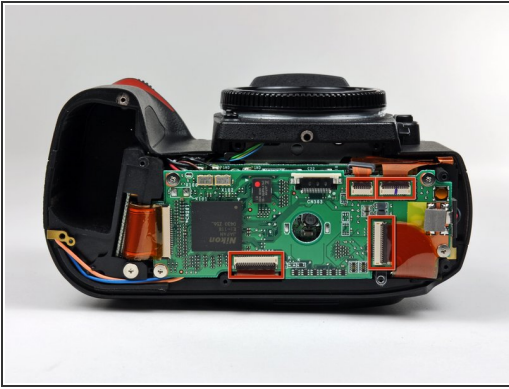
- Remove the four ZIF ribbon cables highlighted in red by using the following procedure:
  - Use your fingernail to flip up the ZIF cable retaining flap on each socket.

⚠ Be sure you are prying up the retaining flap, **not** the socket.
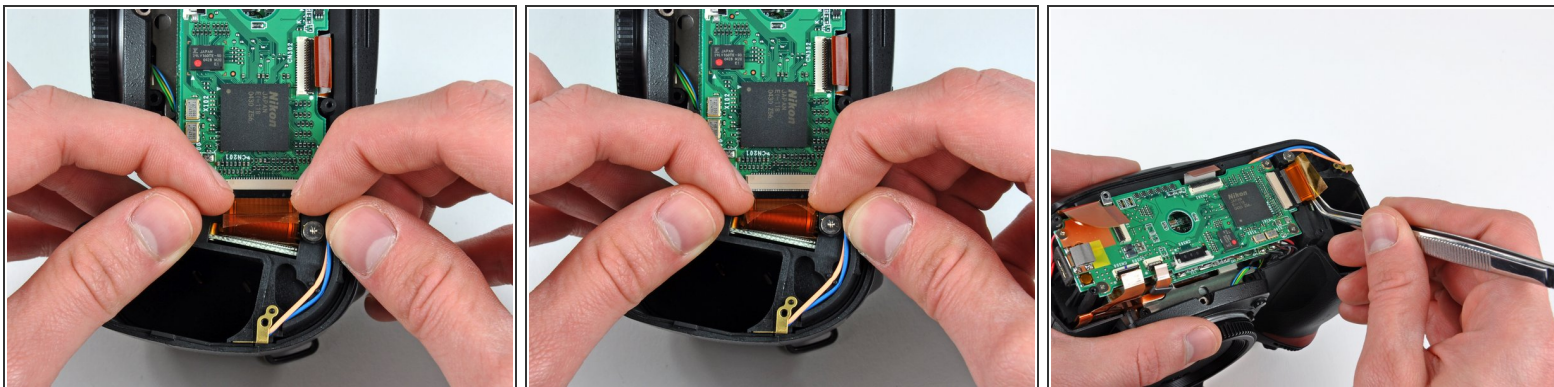
- Pull the ribbon cable straight out of its socket.

Step 6

- Carefully peel back the piece of tape covering the Compact Flash ribbon cable socket.

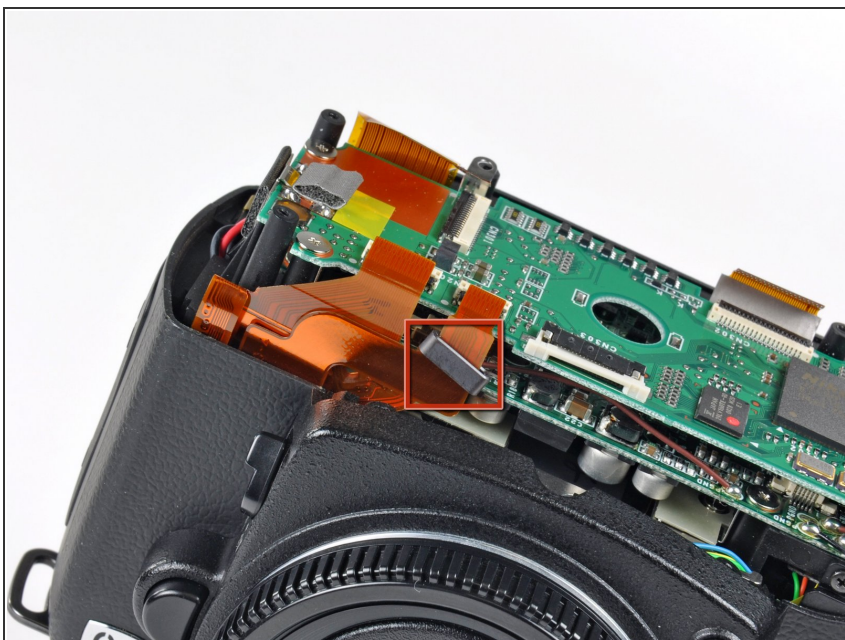ⓘ It is not necessary to completely remove this piece of tape.

Step 7

- Use your fingernails to carefully pull the ZIF cable lock away from its socket.

⚠️ Do not try to completely remove the ZIF cable lock. It will move about 1 mm and stop.

- Use a pair of tweezers to pull the Compact Flash ribbon cable out of its socket.
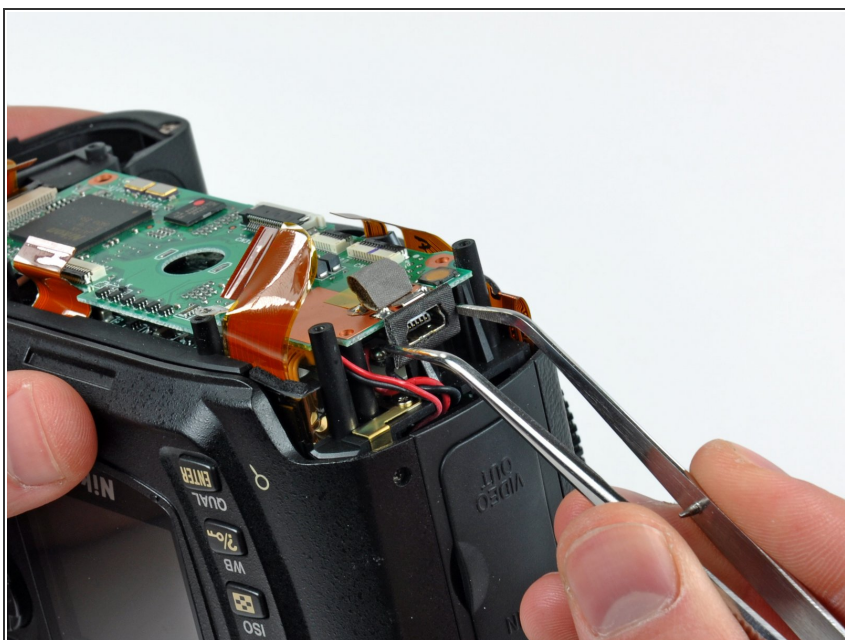
Step 8

📌 Be sure not to lose the small iron core around the DC-In ribbon cable.

Step 9

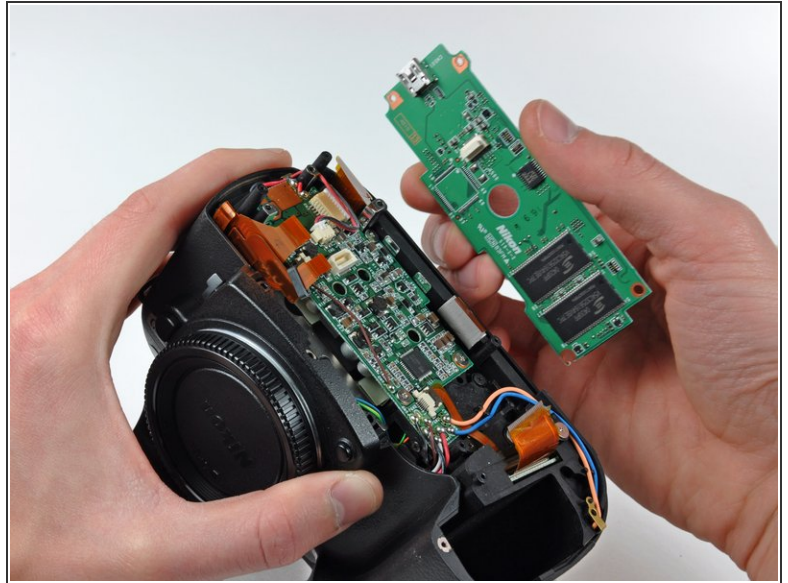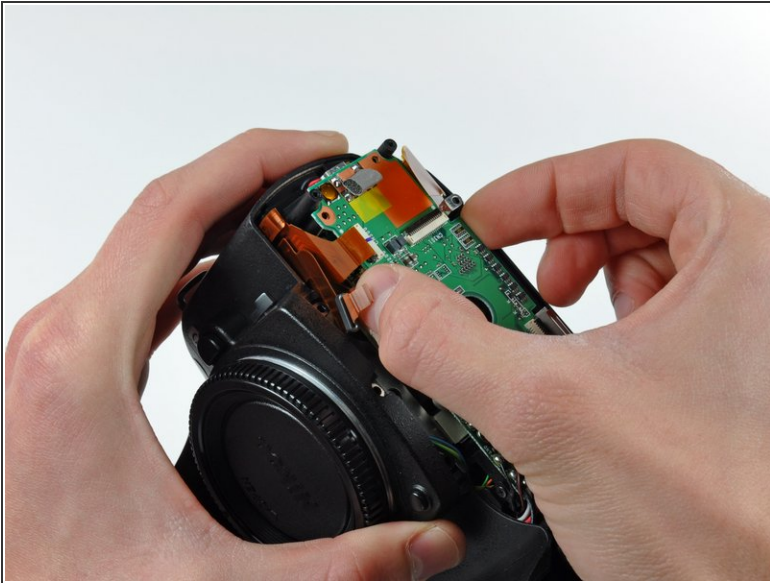- Remove the four 4.3 mm Phillips screws securing the memory compression board to the D70.

Step 10

- Use a pair of tweezers to pull the USB connector bracket away from the edge of the memory compression board.

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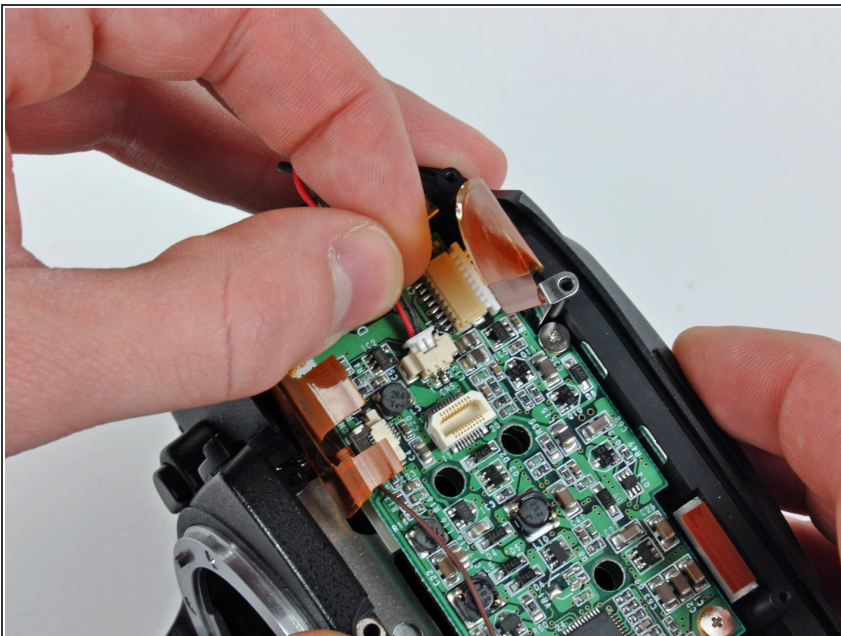www.iFixit.com

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Step 11

- Grab the memory compression board by its edges at the position shown in the first picture.

- Pull the memory compression board straight up off the DC/DC board to avoid damaging the connector on the underside of the memory compression board.
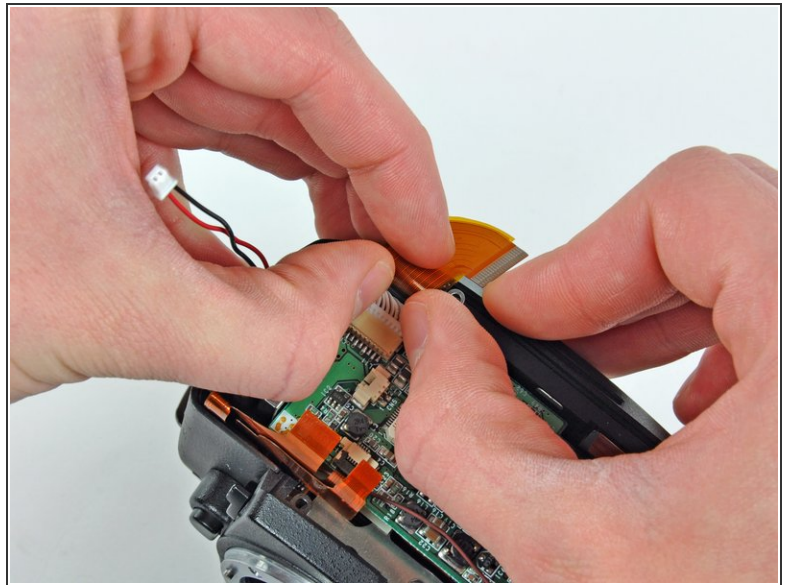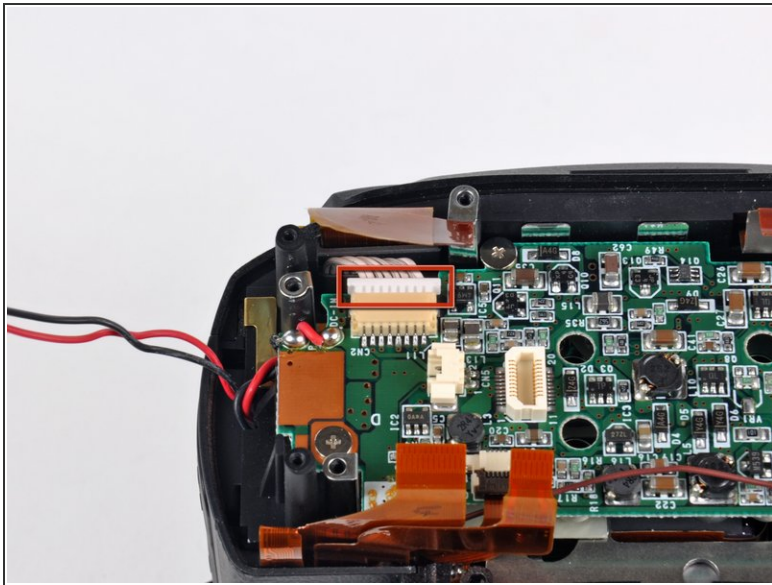
Step 12 — DC/DC Board

- Disconnect the DC-In board connector from the DC/DC board by pulling its connector away from the center of the board.
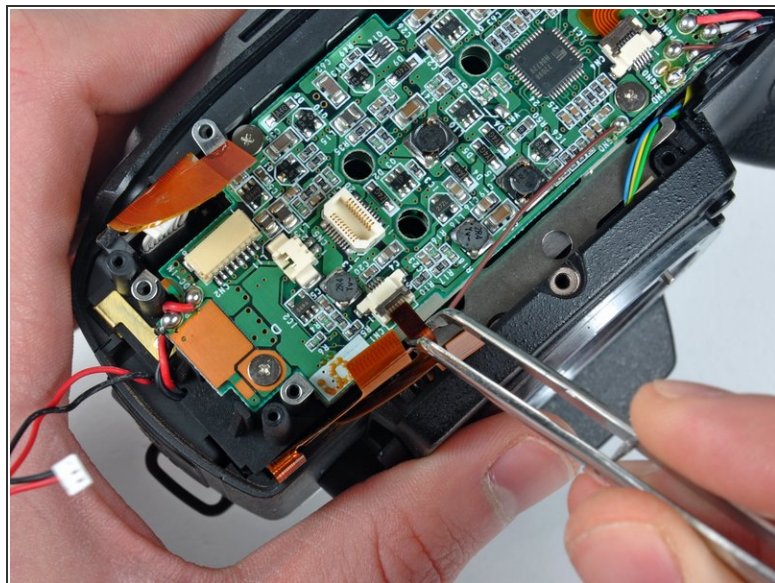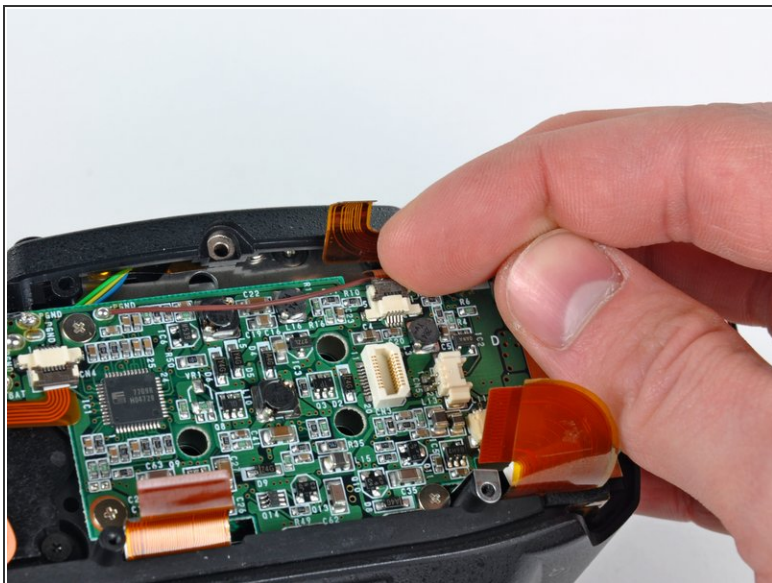
Step 13

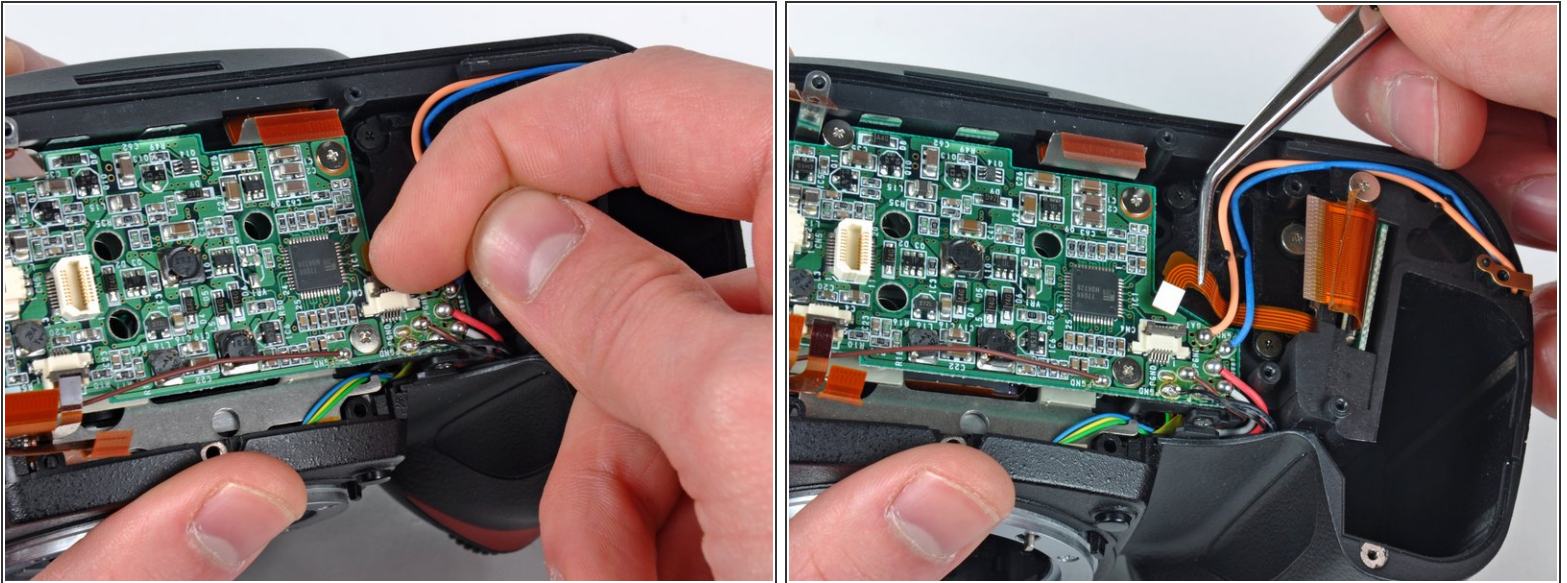- Use your thumbnails to push the CCD connector out of its socket.

Step 14

- Use your fingernail to carefully flip up the ZIF cable retaining flap for the ribbon cable socket near the front cover.

⚠ Be sure you are prying up on the movable cable retaining flap, **not** the socket itself.

- Use a pair of tweezers to carefully pull the ribbon cable out of its socket.

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Step 15

- Use your fingernail to flip up the ZIF cable retaining flap on the socket near the battery opening.

⚠ Be sure you are prying up on the movable cable retaining flap, **not** the socket itself.

- Use a pair of tweezers to pull the ribbon cable out of its socket.

Step 16
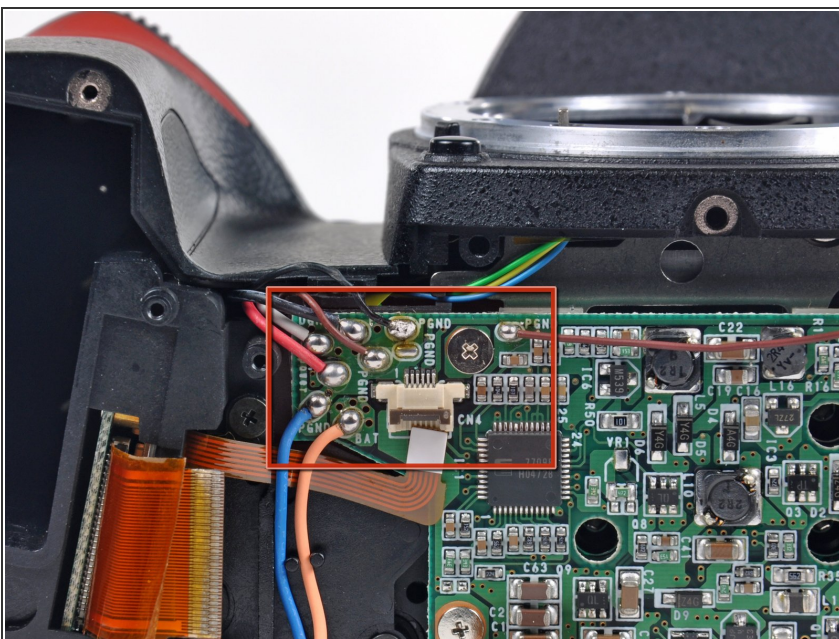
- Carefully de-solder the eight leads boxed in red.

⚠ Do not heat up the board excessively while de-soldering. There are many heat sensitive components mounted to the DC/DC board.

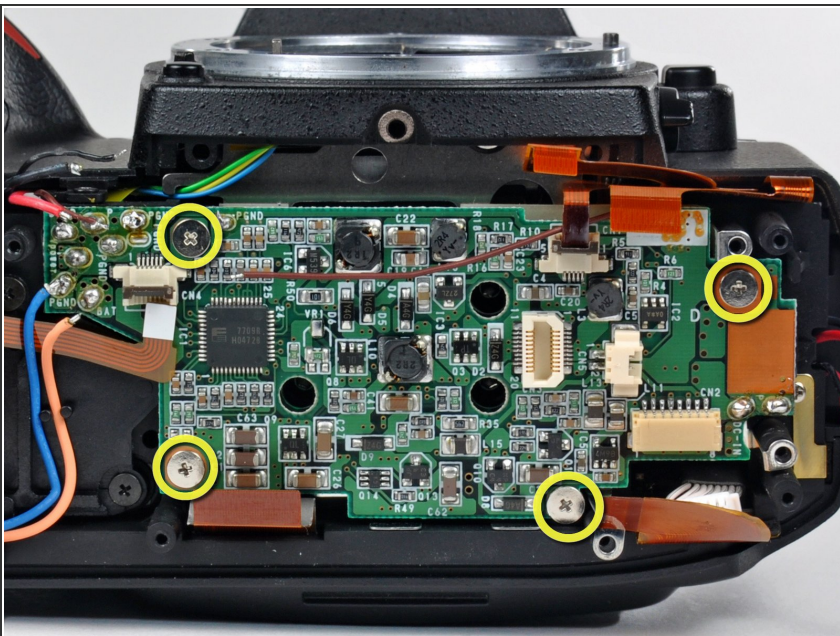ⓘ There are two black leads that look very similar. The thinner of the two connects closer to the center of the board.

Step 17
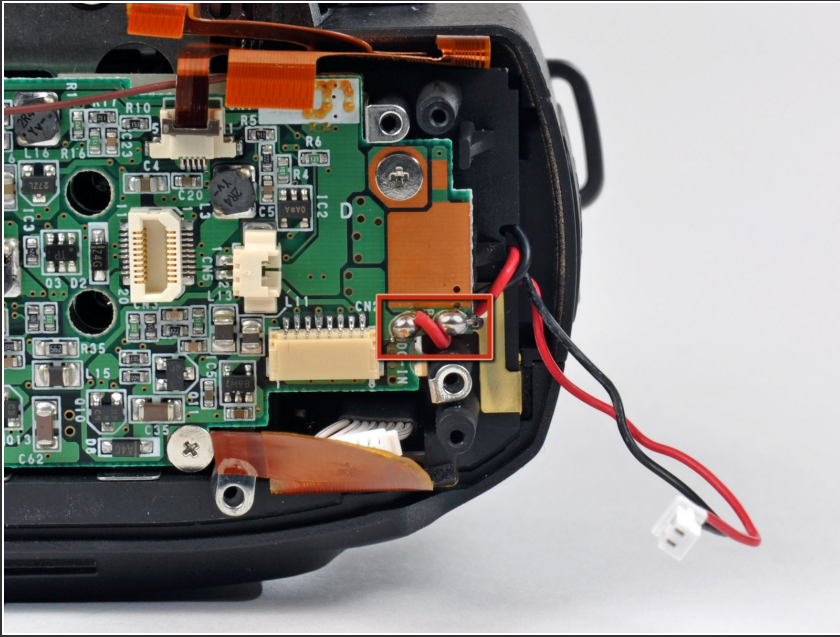
- De-solder the positive and negative DC-In leads (boxed in red) from the DC/DC board.

- ⚠️ Do not heat up the board excessively while de-soldering the leads.
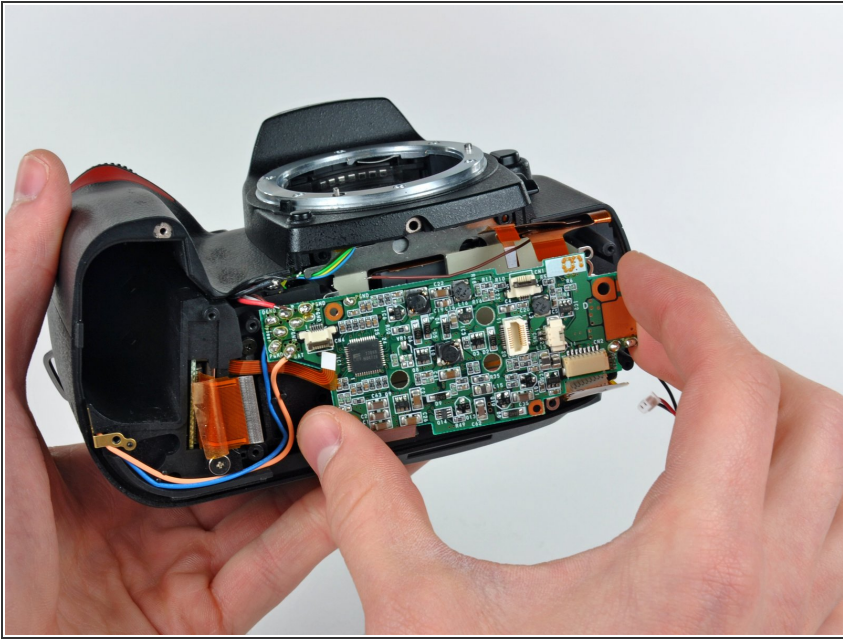
Step 18

- Remove the four 4.2 mm Phillips screws securing the DC/DC board to the D70.

Step 19

- Remove the DC/DC board from the D70, minding any cables that may get caught.

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