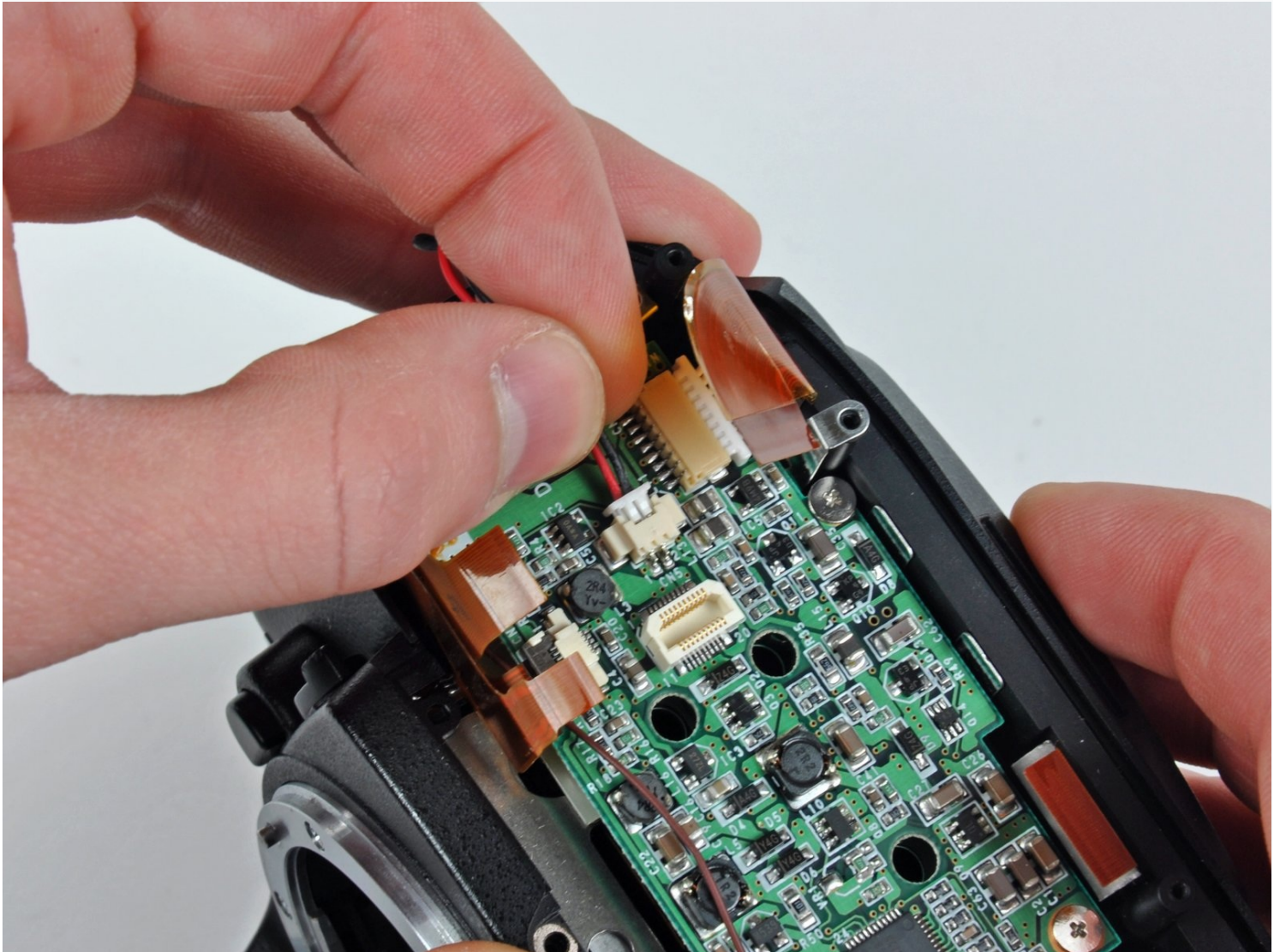




Nikon D70 DC/DC Board Replacement

Replacing the DC/DC board requires a fine...

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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)

Lead-Free Solder (1)

Soldering Iron (1)

Tweezers (1)

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.
- ① It may be necessary to wiggle the battery while pulling to free it from its pocket in the case.

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.

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.
- ① 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



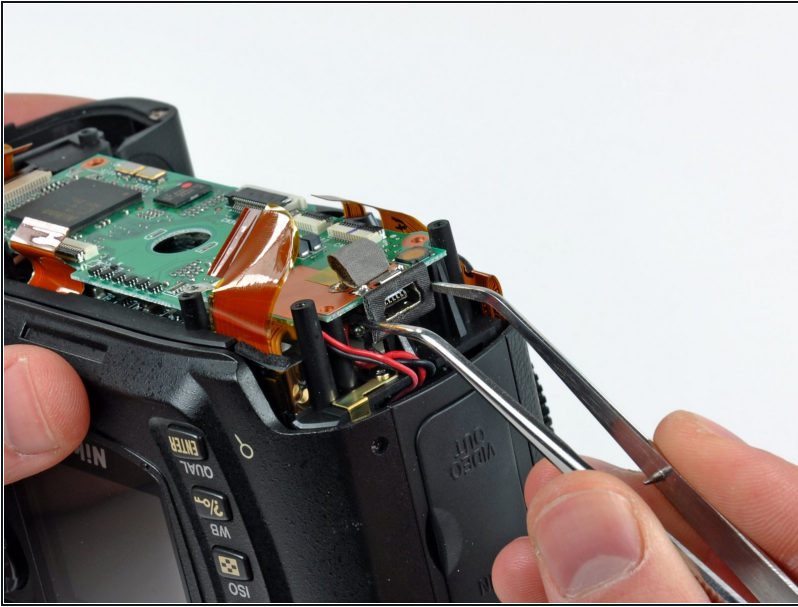
- ★ Be sure not to lose the small iron core around the DC-In ribbon cable.

Step 9



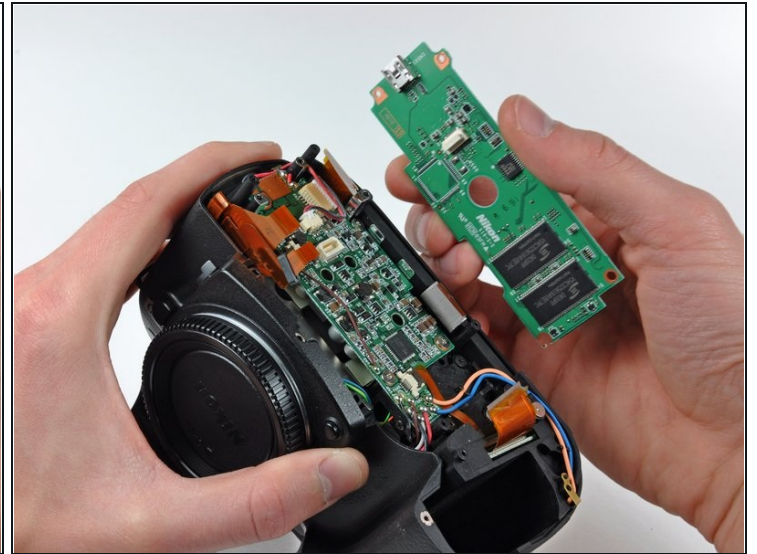
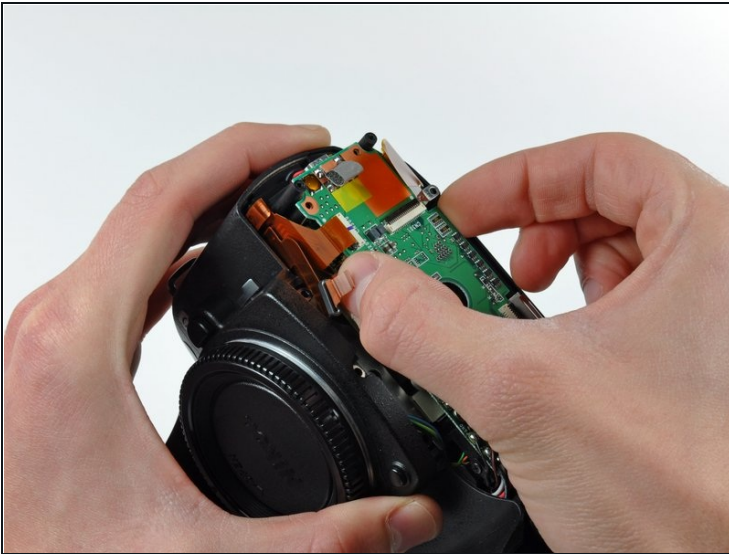
- Remove the four 4.3 mm Phillips screws securing the memory compression board to the D70.

Step 10



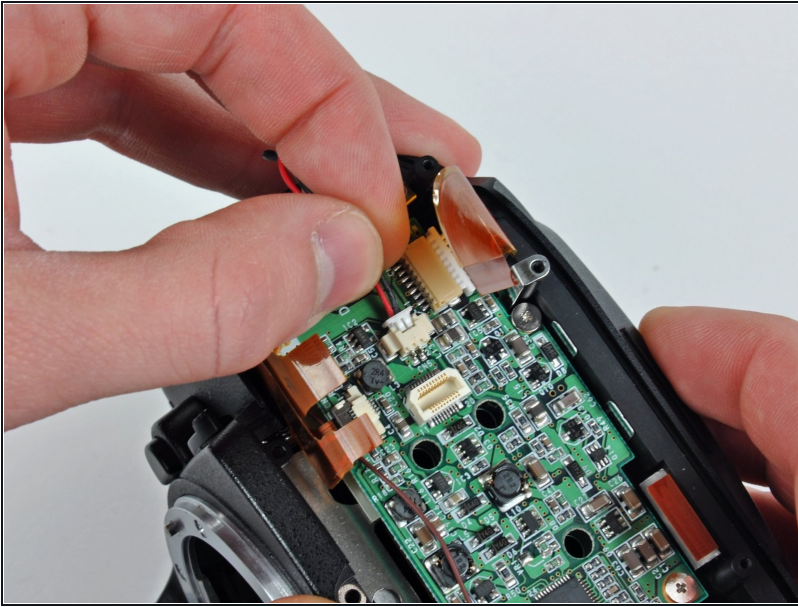
- Use a pair of tweezers to pull the USB connector bracket away from the edge of the memory compression board.

Step 11



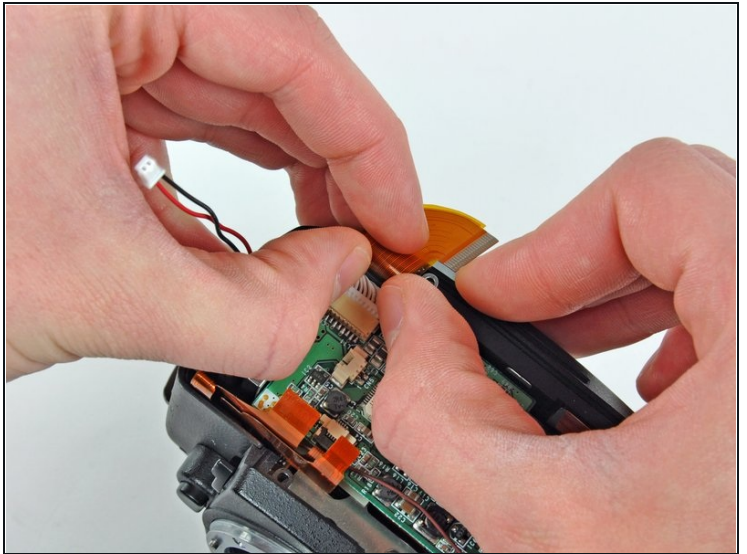
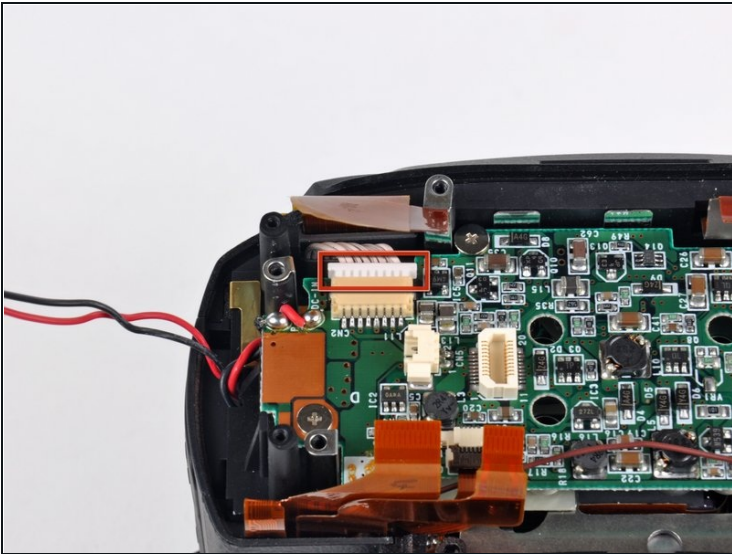
- Grab the memory compression board by its edges at the position shown in the first picture.
- Pull the memory compression board straight up off the DC/DC board to avoid damaging the connector on the underside of the memory compression board.

Step 12 — DC/DC Board



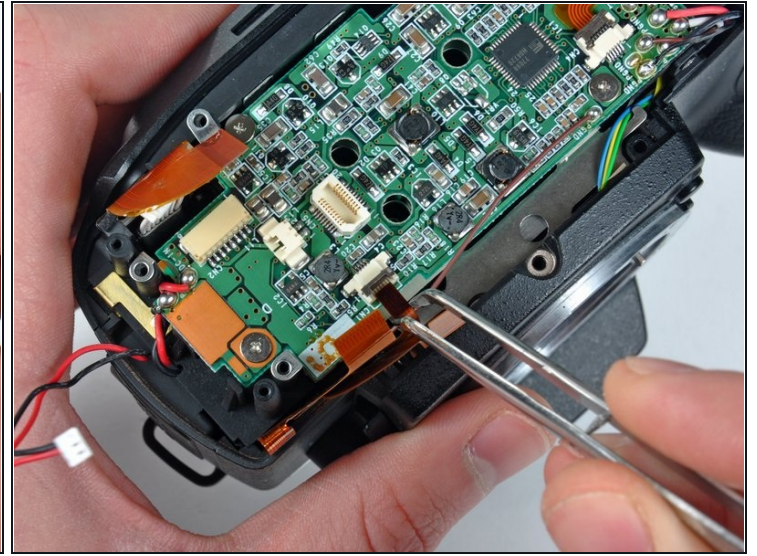
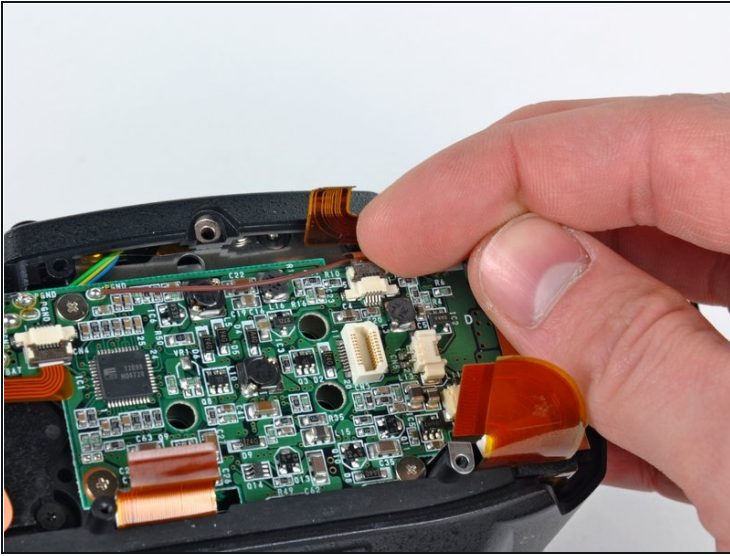
- Disconnect the DC-In board connector from the DC/DC board by pulling its connector away from the center of the board.

Step 13



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

Step 14

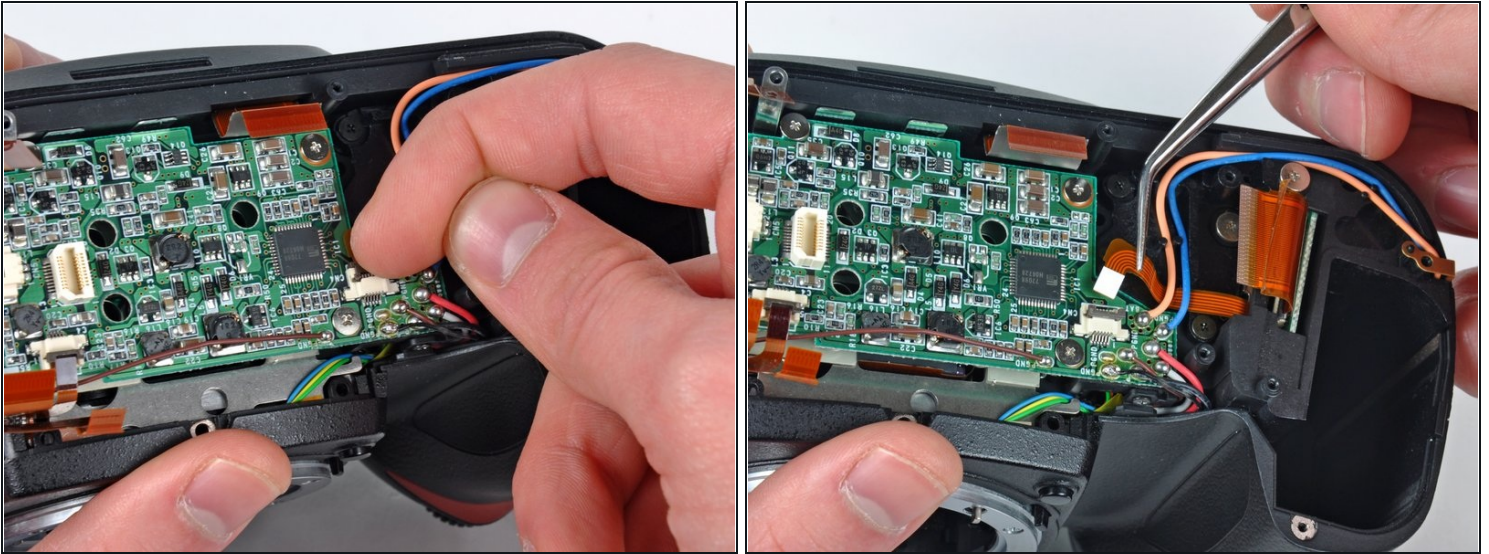


- Use your fingernail to carefully flip up the ZIF cable retaining flap for the ribbon cable socket near the front cover.

⚠ 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.

Step 15

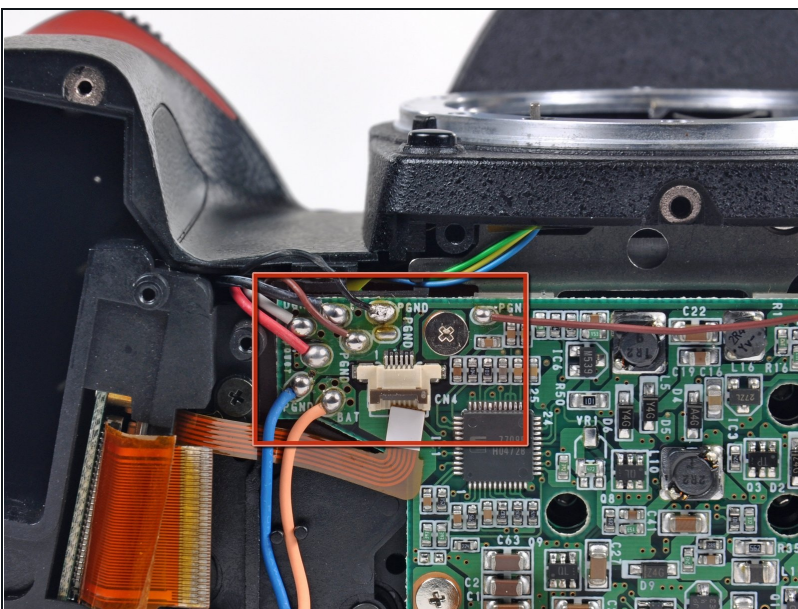


- Use your fingernail to flip up the ZIF cable retaining flap on the socket near the battery opening.

⚠ 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.

- ① There are two black leads that look very similar. The thinner of the two connects closer to the center of the board.

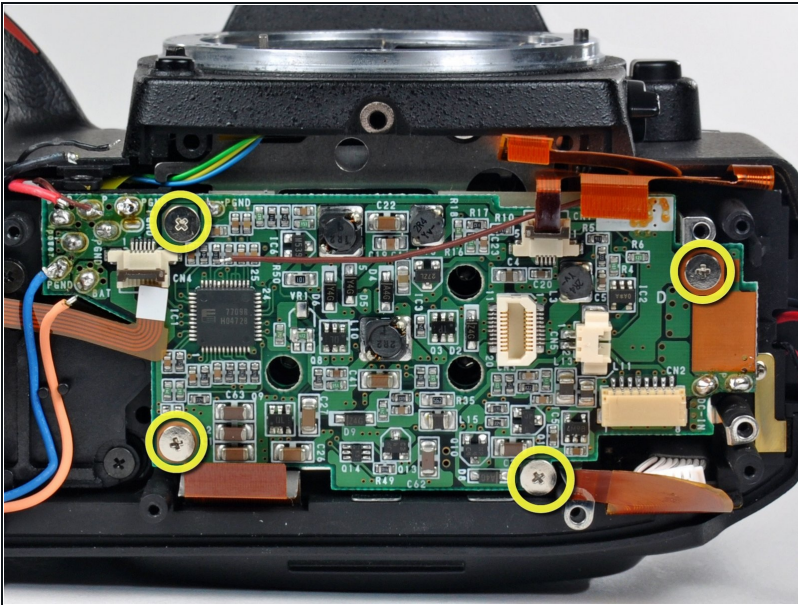
Step 17



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

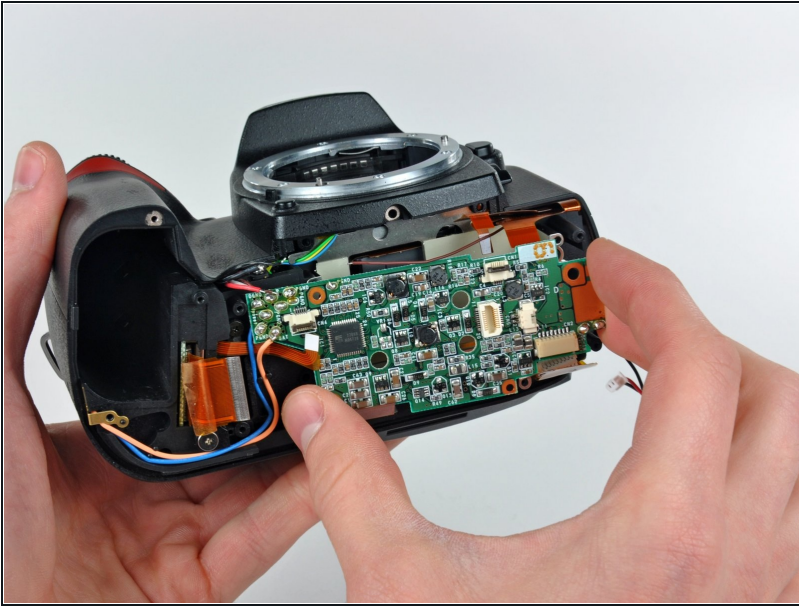
⚠ Do not heat up the board excessively while de-soldering the leads.

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.