Dell u3014 monitor repair. Power on problem.

Monitor not powering on.

Written By: Mark

This document was generated on 2021-07-28 11:31:38 PM (MST).

© iFixit — CC BY-NC-SA   www.iFixit.com   Page 1 of 5

INTRODUCTION

This monitor stopped turning on.

🔧 TOOLS:

- iFixit Opening Tools (1)
- Capacitor Discharge Pen (1)
- Portable Soldering Iron (1)
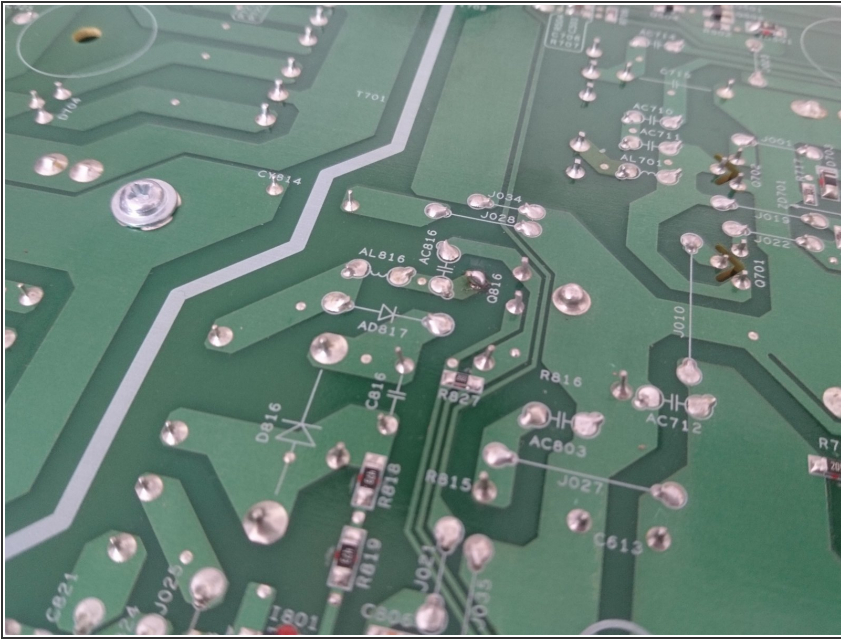
Step 1 — Removing bezel

- The u3014 monitor opens the same as most other recent Dell monitors.

- First remove the stand.

- Remove the bezel. This can be done by hand and a plastic knife. Approaching the screen from behind, peel the bezel with your fingers (photo).

- The rest follows quite easily, but in the corners you might need to insert a blade or similar to pry open the clips.

- When removing the bezel, be careful with the control panel (stuck in place with glue, covered with glued-on strip) and power-button (2 screws).

Step 2 — Isolating the PCB

- Remove the connectors. Black cable to backlight (push clip and pull). Two multi-color cables to LCD (push in the sides and pull). Power and control ribbon (pull). USB hub power (push clip and pull). USB ribbon (lift flap and remove).

- The frame with PCB is held in place just by metal tape.

- The USB hub is completely loose.

Step 3 — Fixing the problem

⚠️ **Caution:** The circuit board contains capacitors (they look like cylinders) that can shock you if they discharge. Be careful not to touch them as you work. If possible, use a [capacitor discharge probe](#) to safely rid the capacitors of dangerous charges.

- To solve power on problems, inspect the board. In my case there was a cold solder joint that actually showed a little spark when plugged in (photo Q816). Re-soldering fixed it. Your case might be harder to find and fix.

- Many repair guides talk about replacing all capacitors rather aimlessly. In this monitor they used Nichico caps which are very reliable. So that is an unlikely fix.

- Be extremely careful fixing these switching power supplies, even more so in Europe where one has 230V. Discharge capacitors etc.

- If you liked this guide, contribute your own.

- If things are unclear, leave a comment.

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

This document was generated on 2021-07-28 11:31:38 PM (MST).