



Dell u3014 monitor repair

Monitor not powering on.

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TOOLS:

- [iFixit Opening Tools](#) (1)
- [Capacitor Discharge Pen](#) (1)
- [Portable Soldering Iron](#) (1)

Step 1 — Removing bezel



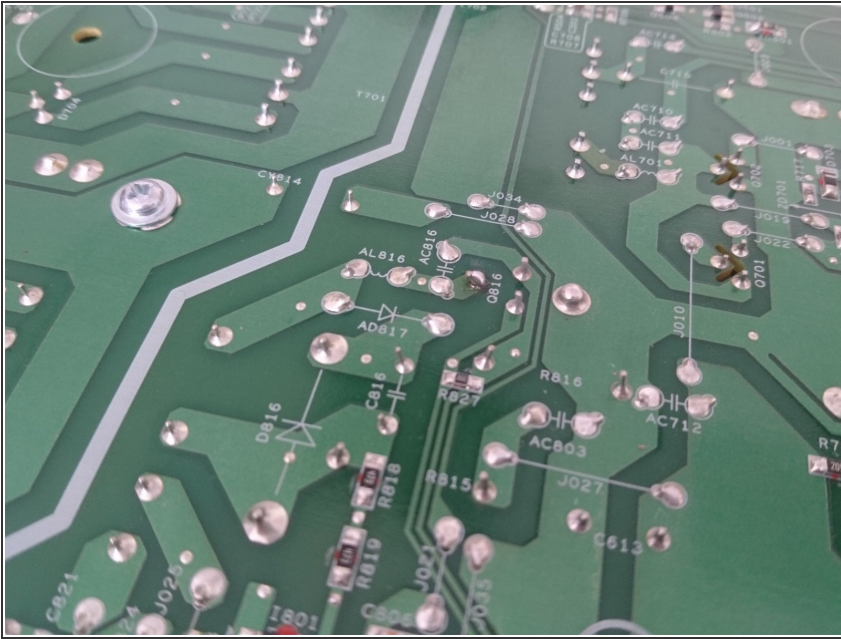
- The u3014 monitor opens the same as most other recent Dell monitors.
- First remove the stand.
- Remove the bezel. This can be done by hand and a plastic knife. Approaching the screen from behind, peel the bezel with your fingers (photo).
- The rest follows quite easily, but in the corners you might 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.
- 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.