Dell UltraSharp 32 4K Thunderbolt Hub Monitor U3226QER

Teardown Instructions

Model: U3226QER
Regulatory Model: U3226QERt
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DELL Technologies

Notes, cautions, and warnings

NOTE: A NOTE indicates important information that helps you make better use of your product.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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Contents

Safety instructions 4
- **Before working inside your monitor** 5
- **After working inside your monitor** 5

Disassembly and reassembly 6
- **Recommended tools** 6
- **Screw list** 6
- **Stand** 7
  - Removing the stand 7
  - Installing the stand 8
- **Upper back cover** 9
  - Removing the upper back cover 9
  - Installing the upper back cover 10
- **Keypad board** 11
  - Removing the keypad board 11
  - Installing the keypad board 12
- **Lower back cover** 13
  - Removing the lower back cover 13
  - Installing the lower back cover 14
- **I/O Cover** 15
  - Removing the I/O cover 15
  - Installing the I/O Cover 16
- **QAP (Quickly Accessary Ports)** 17
  - Removing the QAP 17
  - Installing the QAP 18
- **USB Board** 19
  - Removing the USB board 19
  - Installing the USB board 20
- **Main chassis** 21
  - Removing the main chassis 21
  - Installing the main chassis 22
- **Middle frame** 23
  - Removing the middle frame 23
  - Installing the middle frame 24
- **LED board and ALS board** 25
  - Removing the LED board and ALS board 25
  - Installing the LED board and ALS board 26
- **Main board and power board** 27
  - Removing the main board and power board 27
  - Installing the main board and power board 29

Contacting Dell 31

Revision History 32

Safety instructions

Use the following safety guidelines to protect your monitor from potential damage and to ensure your personal safety. Unless otherwise noted, each procedure included in this document assumes that you have read the safety information that shipped with your monitor.

ⓘ **NOTE:** Before using the monitor, read the safety information that is shipped with your monitor and printed on the product. Keep the documentation at a secure location for future reference.

⚠ **WARNING: Use of controls, adjustments or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards and/or mechanical hazards.**

△ **CAUTION: The possible long-term effect of listening to audio at high volume through the headphones (on monitor that supports it) may cause damage to your hearing ability.**

- Place the monitor on a solid surface and handle it carefully.
- The screen is fragile and can be damaged if dropped or hit with a sharp object.
- Ensure that your monitor is electrically rated to operate with the AC power available in your location.
- Keep the monitor in room temperature. Excessive cold or hot conditions can have an adverse effect on the liquid crystal of the display.
- Connect the power cable from the monitor to a wall outlet that is near and accessible.
- Do not place and use the monitor on a wet surface or near water.
- Do not subject the monitor to severe vibration or high impact conditions. For example, do not place the monitor inside a car trunk.
- Unplug the monitor when it is going to be left unused for an extended period.
- To avoid electric shock, do not attempt to remove any cover or touch the inside of the monitor.
- Read these instructions carefully. Keep this document for future reference. Follow all warnings and instructions marked on product.
- Certain monitors can be wall mounted using the VESA mount that is sold separately. Ensure to use the correct VESA specifications as mentioned in the wall mounting section of the User's Guide.

For information about safety instructions, see the *Safety, Environmental and Regulatory Information (SERI)* document that is shipped with your monitor.

Before working inside your monitor

Steps

1. Save and close all open files and exit all open applications.
2. Turn off your monitor.
3. Disconnect your monitor and all attached devices from their electrical outlets.
4. Disconnect all attached network devices and peripherals, such as keyboard, mouse, and dock from your monitor

⚠ **WARNING: To disconnect a network cable, first unplug the cable from your monitor and then unplug the cable from the network device.**

5. Remove any media card and optical disc from your monitor, if applicable.

After working inside your monitor

△ **CAUTION: Leaving stray or loose screws inside your monitor may severely damage it.**

Steps

1. Replace all screws and ensure that no stray screws remain inside your monitor.
2. Connect any external devices, peripherals, or cables you removed before working on your monitor.
3. Replace any media cards, discs, or any other parts that you removed before working on your monitor.
4. Connect your monitor and all attached devices to their electrical outlets.
5. Turn on your monitor.

Disassembly and reassembly

△ **CAUTION: The information in this section is intended for authorized service technicians in the EMEA region. Dell prohibits users from disassembling the monitor, and any damage caused by unauthorized servicing will not be covered under the warranty.**

Recommended tools

- Screwdriver Phillips screwdriver #0
- Screwdriver Phillips screwdriver #2
- Penknife
- Soldering iron
- Absorber

Screw list

ⓘ **NOTE:** When removing screws from a component, it is recommended to note the screw type, the quantity of screws, and then place them in a screw storage box. This is to ensure that the correct number of screws and correct screw type is restored when the component is replaced.

ⓘ **NOTE:** Some monitors have magnetic surfaces. Ensure that the screws are not left attached to such surfaces when replacing a component.

ⓘ **NOTE:** Screw color may vary depending on the configuration ordered.

Table 1. Components and descriptions.

Component	Screw type	Quantity	Screw image
Back cover	M4x10	4	
Keypad board	M2x3.3	2	
I/O Cover	M3x5	4	
QAP	M3x6	4	
USB board	M3x3	1	
Main chassis	M3x3	4	
Middle frame	M3x5	18	
Power board groundwire	M4x8	1	
Power board	M3x6	4	
Main board	M3x6	3	

Stand

Removing the stand

Prerequisites

1. Follow the procedure in Before working inside your monitor.

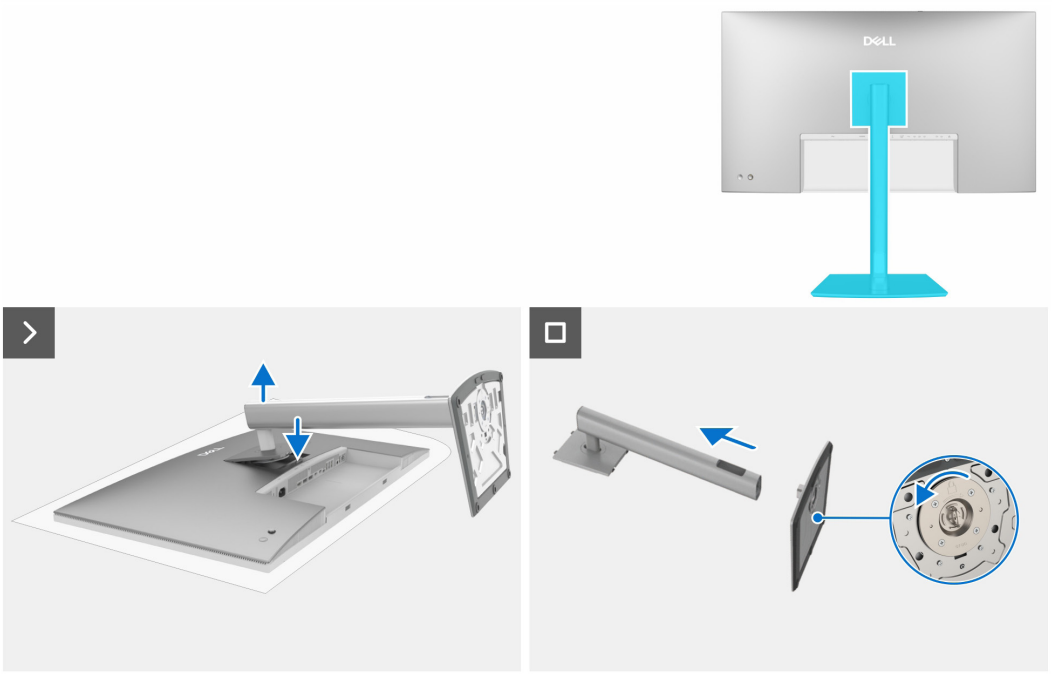


Figure 1. Removing the stand

Steps

1. Place the monitor on a soft cloth or cushion.
2. Press and hold the stand-release button.
3. Tilt the stand upwards till the stand is separated from the monitor head.
4. Open the screw handle at the bottom of the stand base and turn it anti-clockwise to unlock the riser with base.
5. Remove the stand riser from the stand base.

Installing the stand

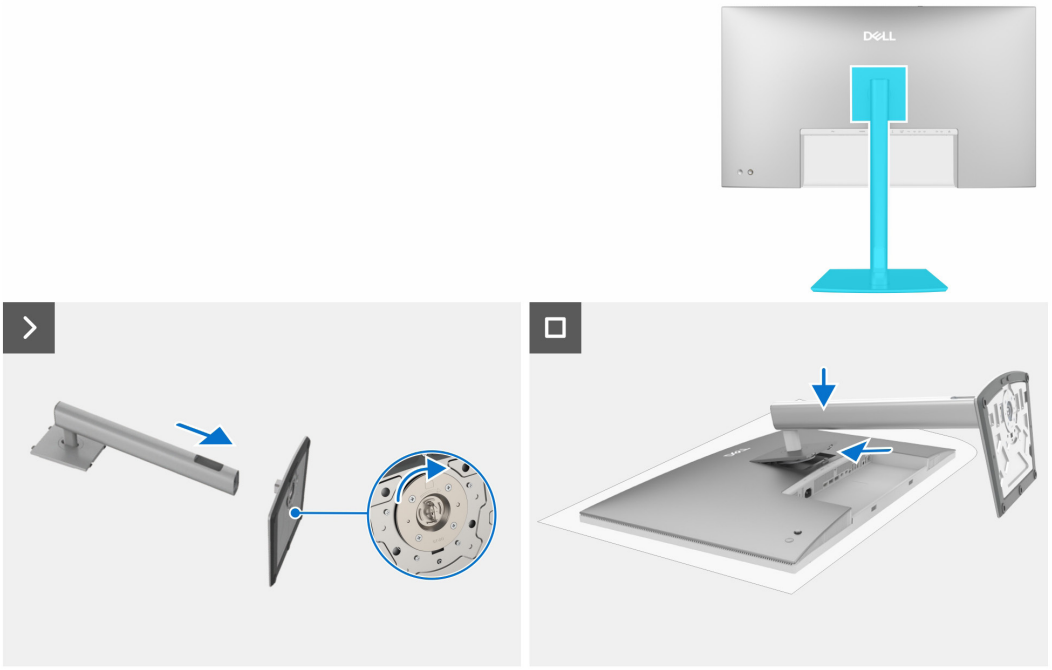


Figure 2. Installing the stand

Steps

1. Align and place the stand riser on the stand base.
2. Open the screw handle at the bottom of the stand base and turn it clockwise to secure the stand assembly.
3. Close the screw handle.
4. Align the stand assembly bracket to the monitor head.
5. Insert the bracket towards monitor unitl it locks in place.

Next steps

1. Follow the procedure in After working inside your monitor.

Upper back cover

Removing the upper back cover

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the stand.

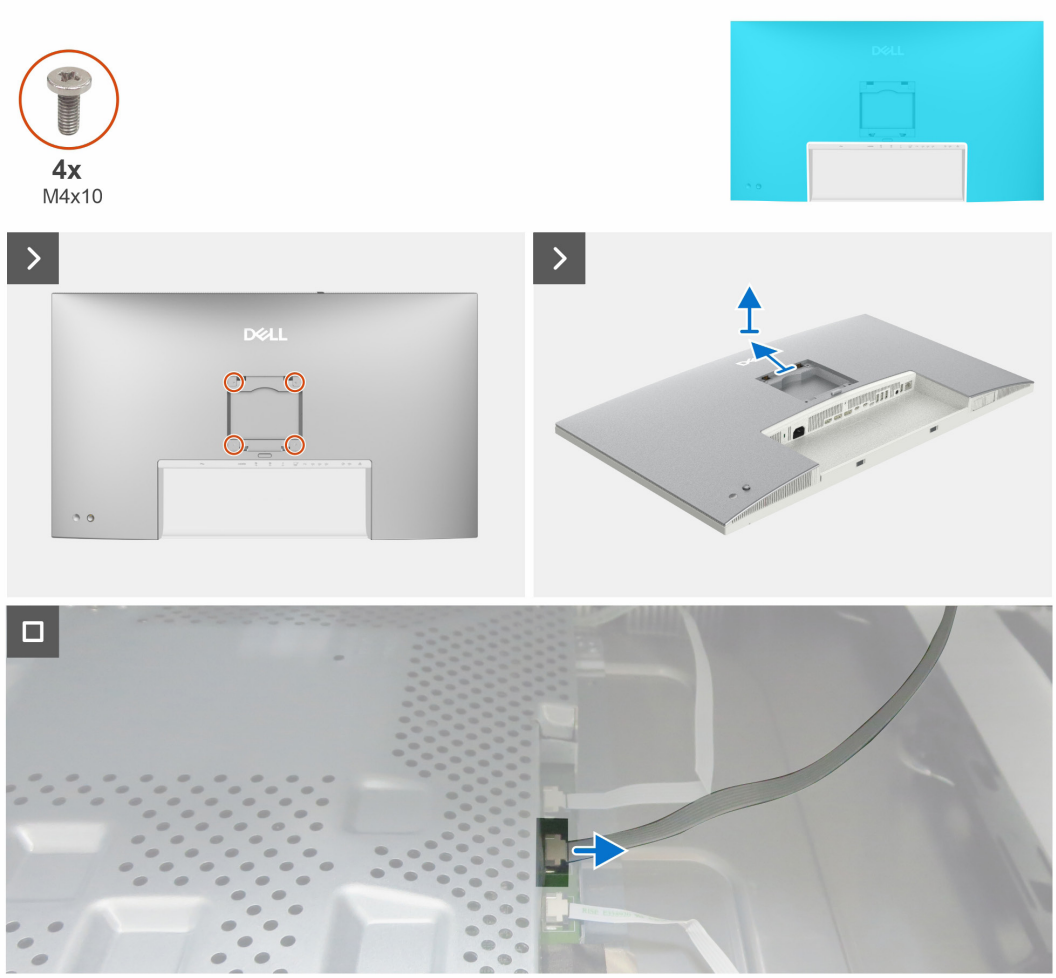


Figure 3. Removing the upper back cover

Steps

1. Remove the four screws (M4x10) to release the upper back cover.
2. Use one hand to push the upper back cover from the bottom side to the top side.
3. Lift the upper back cover and disconnect the keypad cable from the connector on the main board.
4. Lift and remove the upper back cover away from the monitor.

Installing the upper back cover

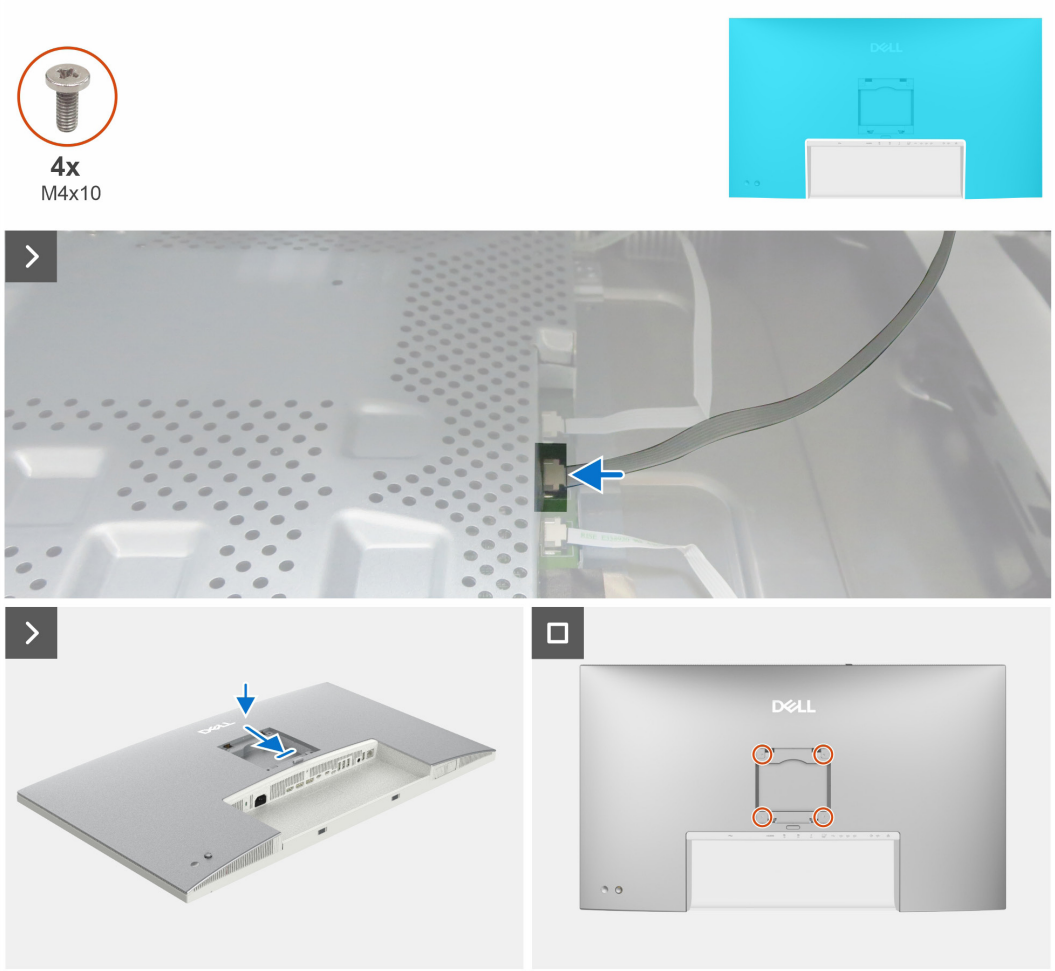


Figure 4. Installing the upper back cover

Steps

1. Connect the keypad cable to the main board.
2. Slide the upper back cover to the slots of the middle frame from the top side to bottom side, and push along the side to snap the upper back cover into place.
3. Replace the four screws (M4x10) to secure the upper back cover to the display monitor.

Next steps

1. Install the stand.
2. Follow the procedure in After working inside your monitor.

Keypad board

Removing the keypad board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the stand.
3. Remove the upper back cover.

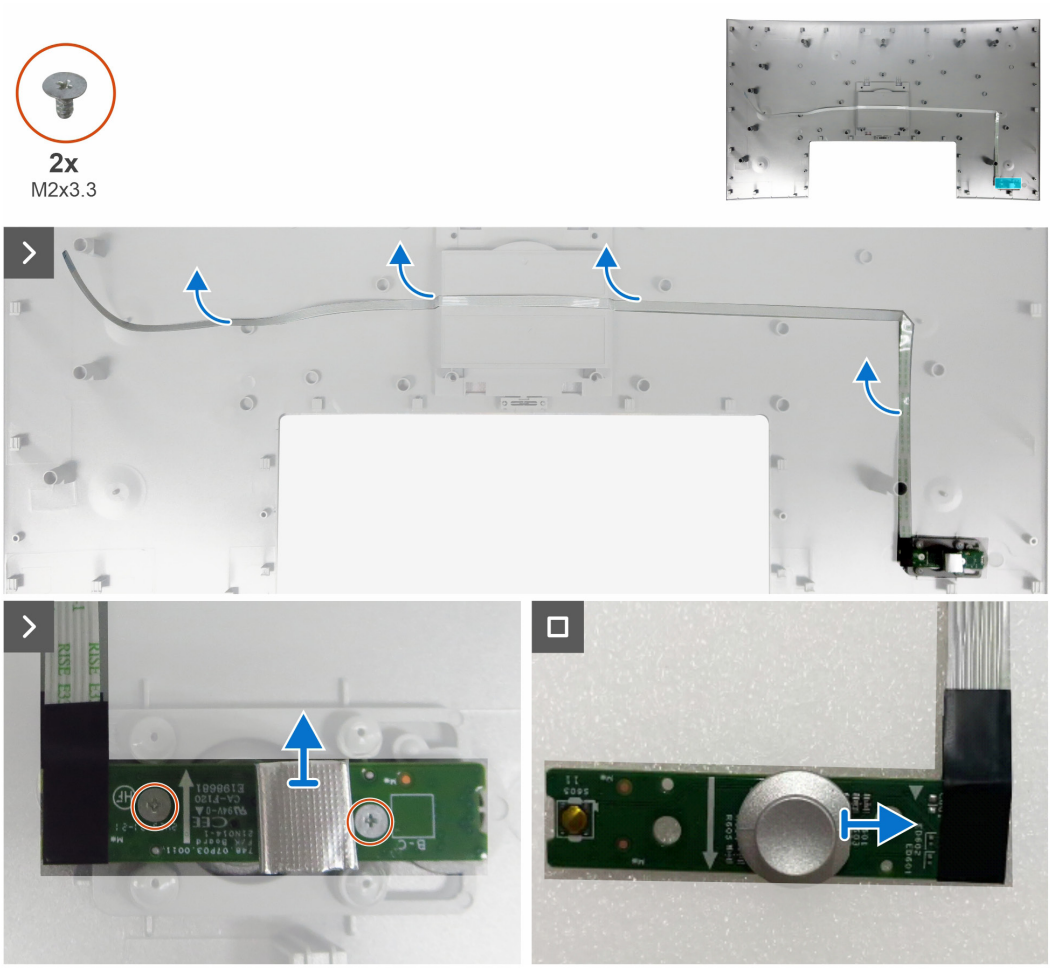


Figure 5. Removing the keypad board

Steps

1. Peel the keypad cable from the back cover.
2. Peel the foam from the keypad board.
3. Remove the two screws (M2x3.3) that secure the keypad board to the upper back cover.
4. Remove the keypad board from the upper back cover.
5. Remove the joystick cap from the keypad board.

Installing the keypad board

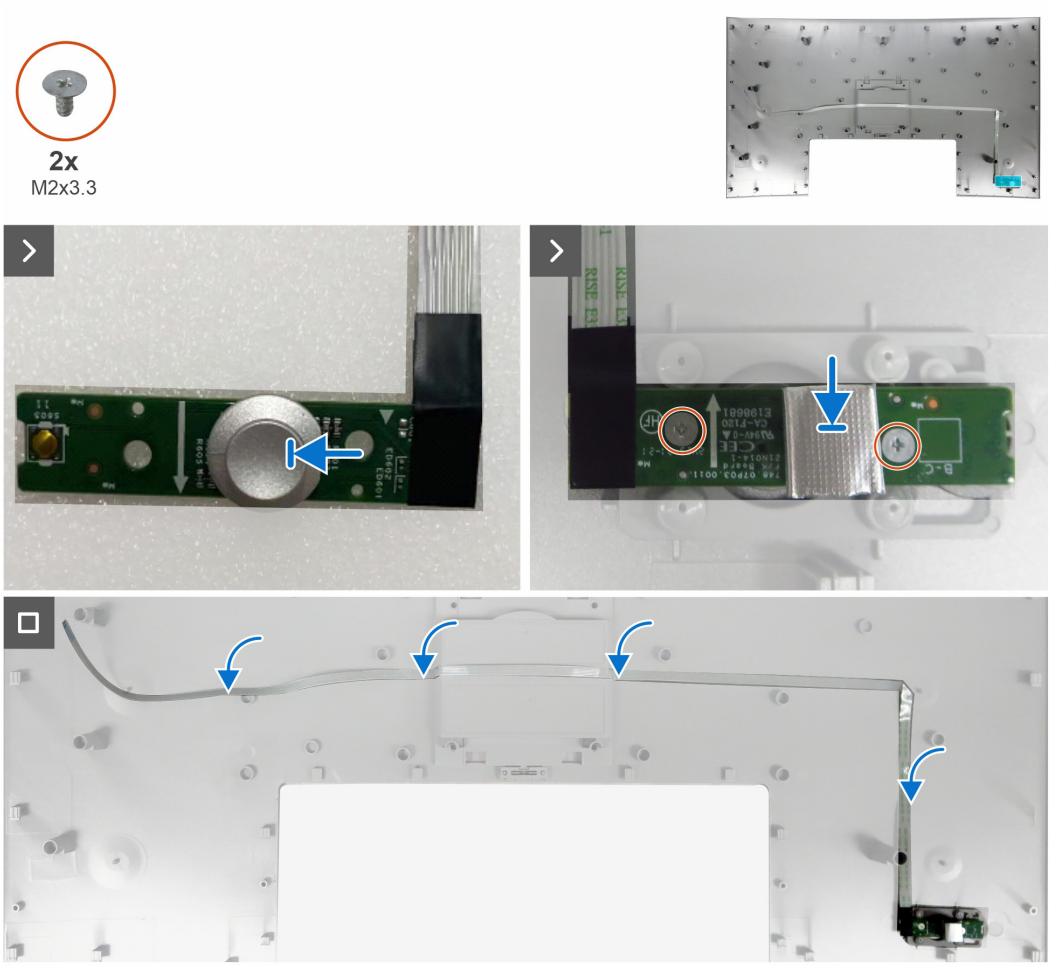


Figure 6. Installing the keypad board

Steps

1. Install the joystick cap on the keypad board.
2. Locate the keypad board to the upper back cover.
3. Replace the two screws (M2x3.3) that secure the keypad board to the upper back cover.
4. Adhere the foam on the keypad board.
5. Adhere the keypad cable on the cover with double-faced tape.

Next steps

1. Install the upper back cover.
2. Install the stand.
3. Follow the procedure in After working inside your monitor.

Lower back cover

Removing the lower back cover

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the stand.
3. Remove the upper back cover.
4. Remove the keypad board.



Figure 7. Removing the lower back cover

Steps

1. Pry the lower back cover from the display-assembly base starting from the left side or right side.
2. Lift the lower back cover off the display-assembly base.

Installing the lower back cover



Figure 8. Installing the lower back cover

Steps

1. Slide the lower back cover into the slots on the display-assembly base, and press along the side to snap the lower back cover into place.

Next steps

1. Install the keypad board.
2. Install the upper back cover.
3. Install the stand.
4. Follow the procedure in After working inside your monitor.

I/O Cover

Removing the I/O cover

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the stand.
3. Remove the upper back cover.
4. Remove the keypad board.
5. Remove the lower back cover.

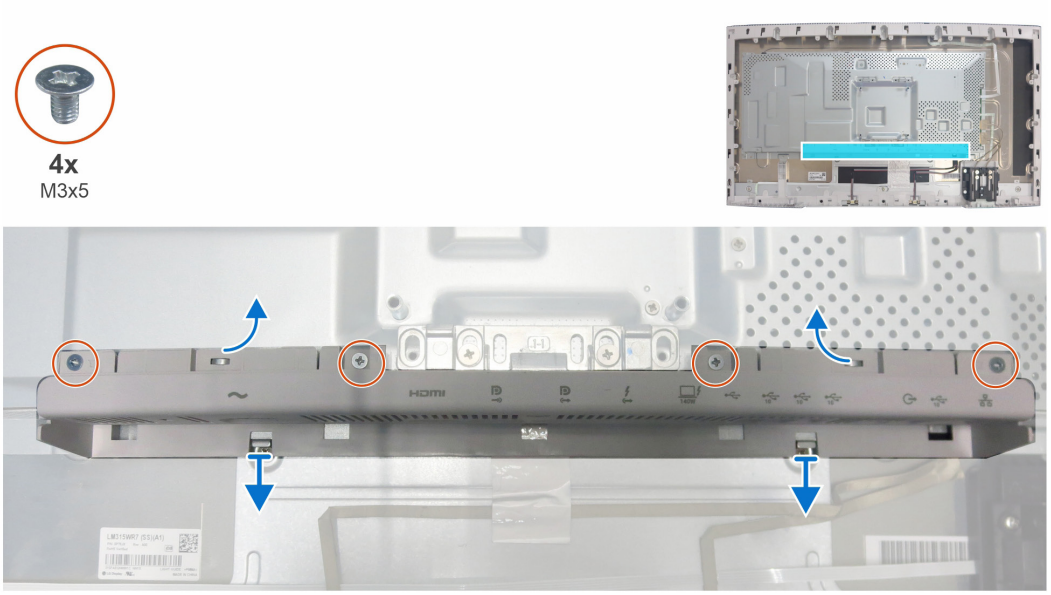


Figure 9. Removing the I/O cover

Steps

1. Remove the four screws (M3x5) that secure the I/O cover to the main chassis.
2. Lift and remove the I/O cover off the main chassis.

Installing the I/O Cover

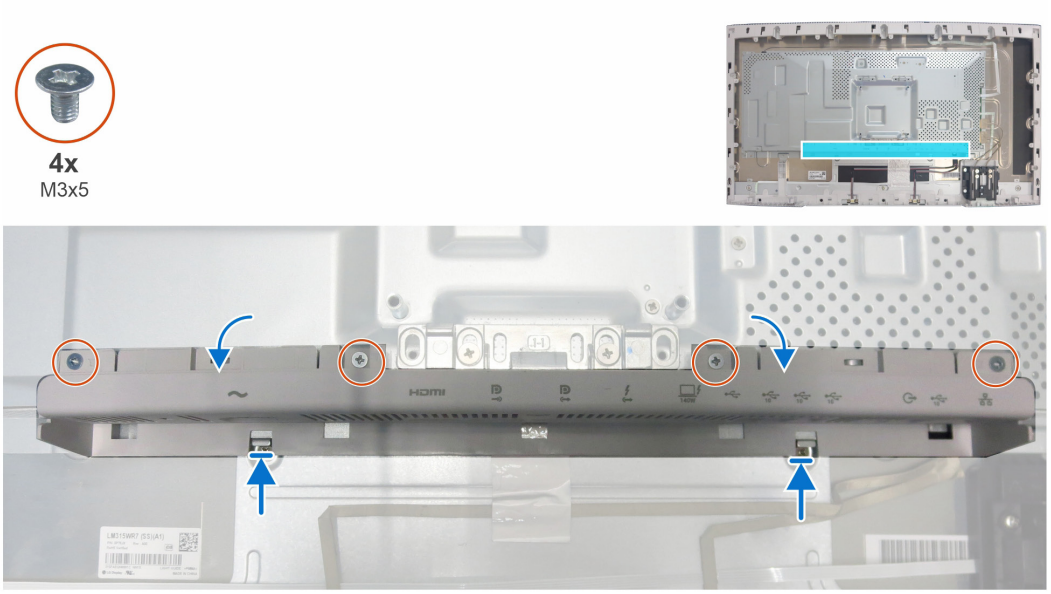


Figure 10. Installing the I/O cover

Steps

1. Place the I/O cover on the main chassis.
2. Align the screw holes on the I/O cover with the screw holes on the main chassis.
3. Replace the four screws (M3x5) that secure the I/O cover to the main chassis.

Next steps

1. Install the lower back cover.
2. Install the keypad board.
3. Install the upper back cover.
4. Install the stand.
5. Follow the procedure in After working inside your monitor.

QAP (Quickly Accessary Ports)

Removing the QAP

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the stand.
3. Remove the upper back cover.
4. Remove the keypad board.
5. Remove the lower back cover.
6. Remove the I/O cover.

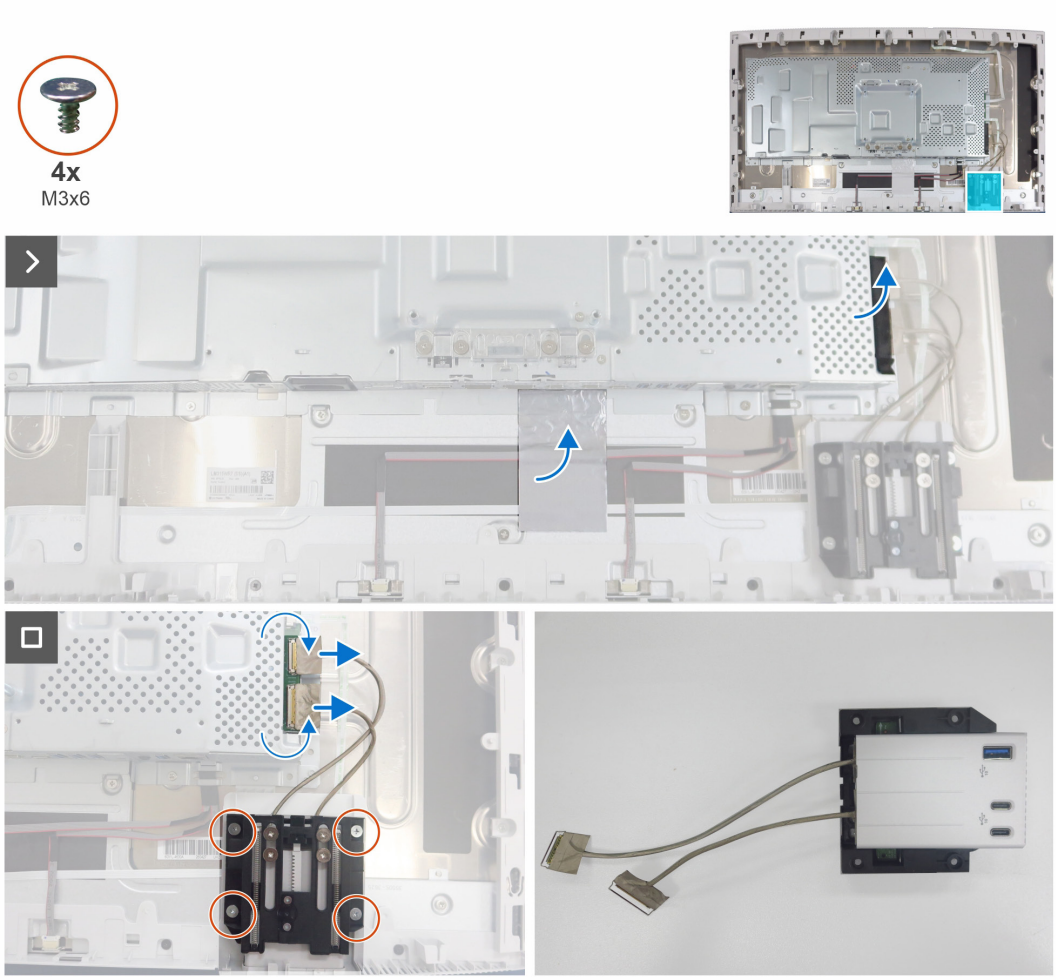


Figure 11. Removing the QAP

Steps

1. Peel the mylar tape and the aluminum foil.
2. Lift the locks and pull out the two wires from the main board.
3. Remove the four screws (M3x6) that secure the QAP to the middle frame.
4. Remove the QAP away from the middle frame.

Installing the QAP

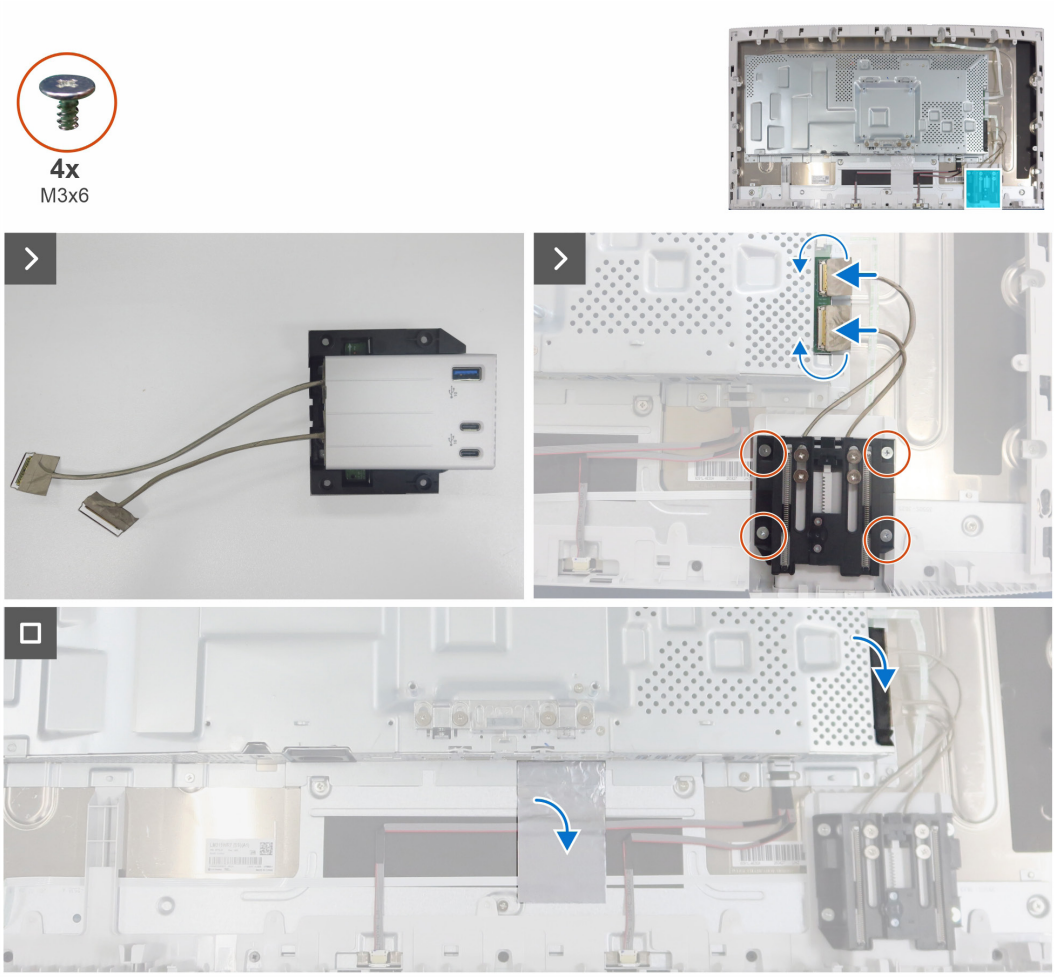


Figure 12. Installing the QAP

Steps

1. Align the screw holes on the QAP with the screw holes on the middle frame.
2. Replace the four screws (M3x6) that secure the QAP to the middle frame.
3. Connect the two wires to the main board and close the lock.
4. Adhere the tape and the aluminum foil that secure the cables.

Next steps

1. Install the I/O cover.
2. Install the lower back cover.
3. Install the keypad board.
4. Install the upper back cover.
5. Install the stand.
6. Follow the procedure in After working inside your monitor.

USB Board

Removing the USB board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the stand.
3. Remove the upper back cover.
4. Remove the keypad board.
5. Remove the lower back cover.
6. Remove the I/O cover.
7. Remove the QAP.

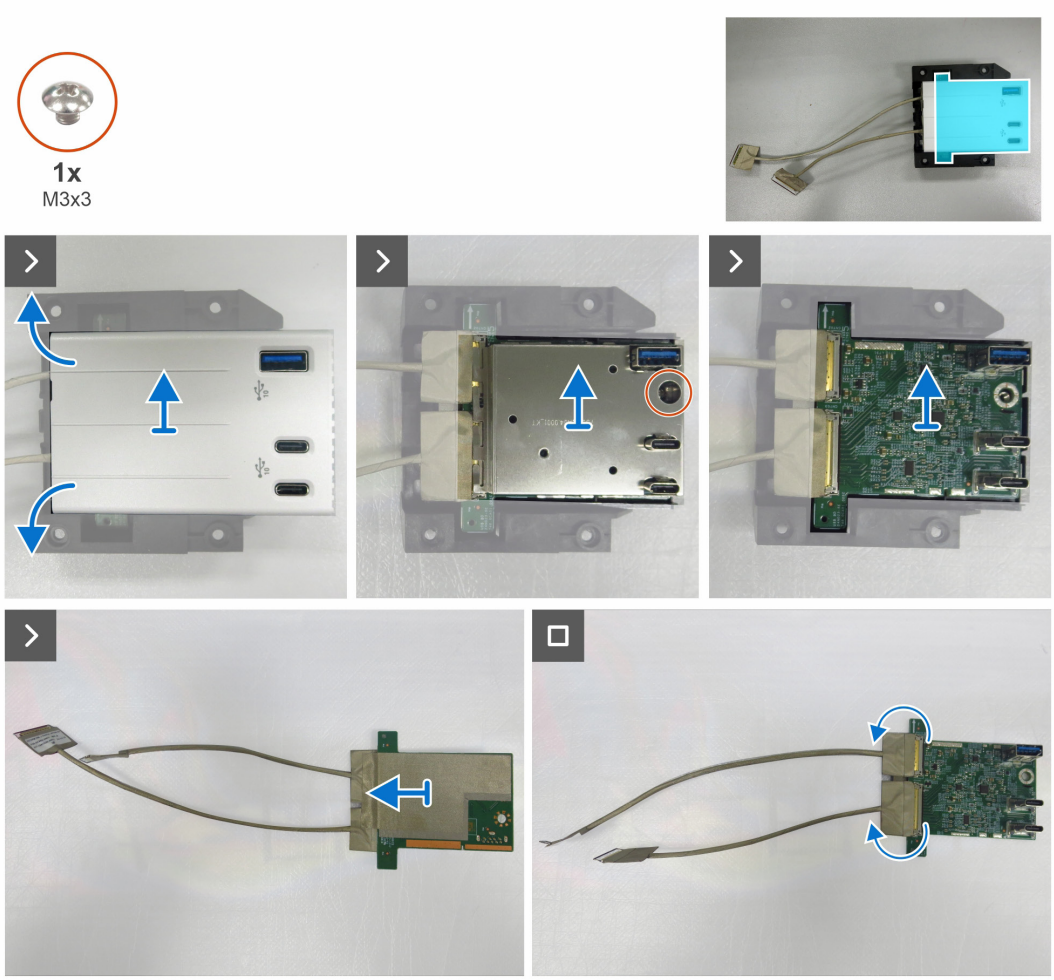


Figure 13. Removing the USB board

Steps

1. Turn over the QAP and pry the top cover of the QAP to remove it.
2. Remove the screw (M3x3) that secures the iron cover and USB board to the back cover of QAP.
3. Remove the iron cover and USB board from bottom cover of QAP.
4. Peel the conductive tapes on the back of the USB board.
5. Lift the locks and pull out the two wires from the USB board.

Installing the USB board

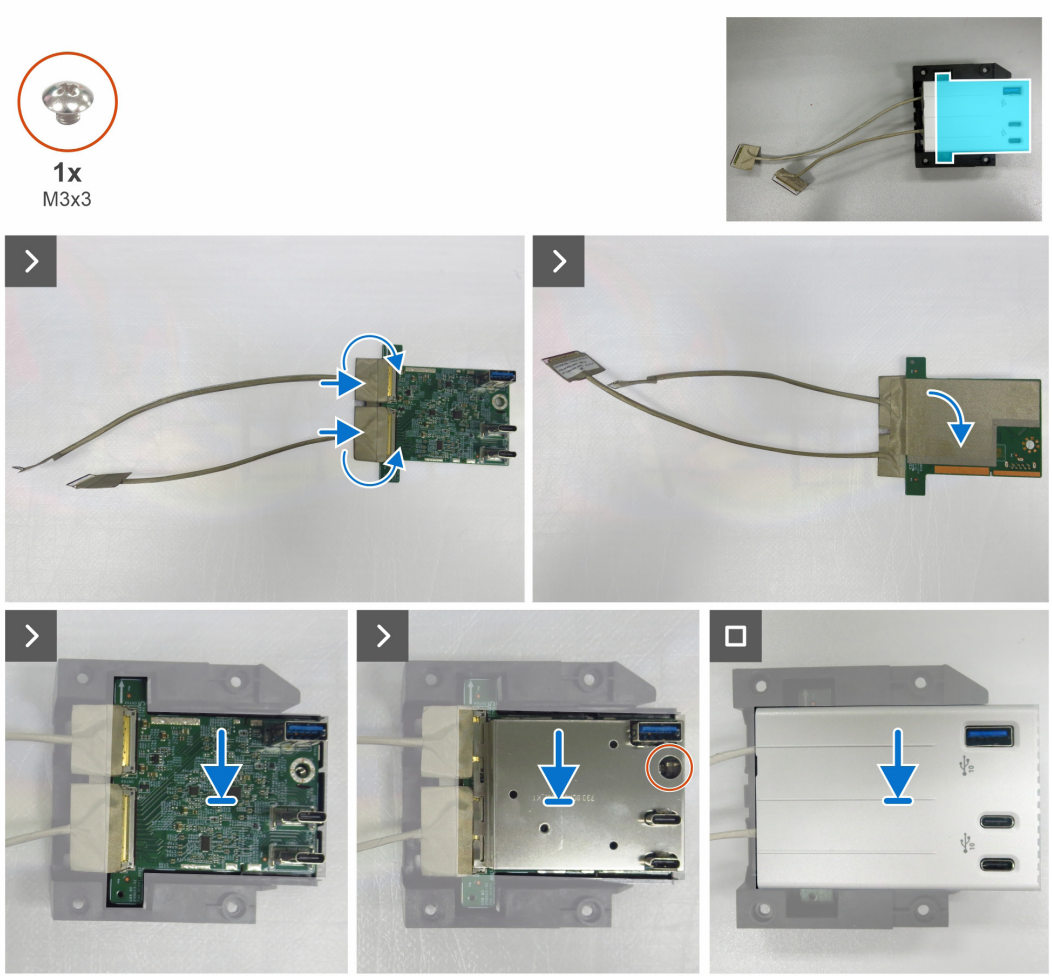


Figure 14. Installing the USB board

Steps

1. Connect the two USB wires to the USB board and lock it.
2. Adhere the two conductive tape on the back of the USB board.
3. Assemble the USB board and iron cover with the bottom cover of the QAP.
4. Replace the screw (M3x3) that secures the USB board and iron cover to the back cover of QAP.
5. Replace the top cover of the QAP.

Next steps

1. Install the QAP.
2. Install the I/O cover.
3. Install the lower back cover.
4. Install the keypad board.
5. Install the upper back cover.
6. Install the stand.
7. Follow the procedure in After working inside your monitor.

Main chassis

Removing the main chassis

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the stand.
3. Remove the upper back cover.
4. Remove the keypad board.
5. Remove the lower back cover.
6. Remove the I/O cover.
7. Remove the QAP.
8. Remove the USB board.

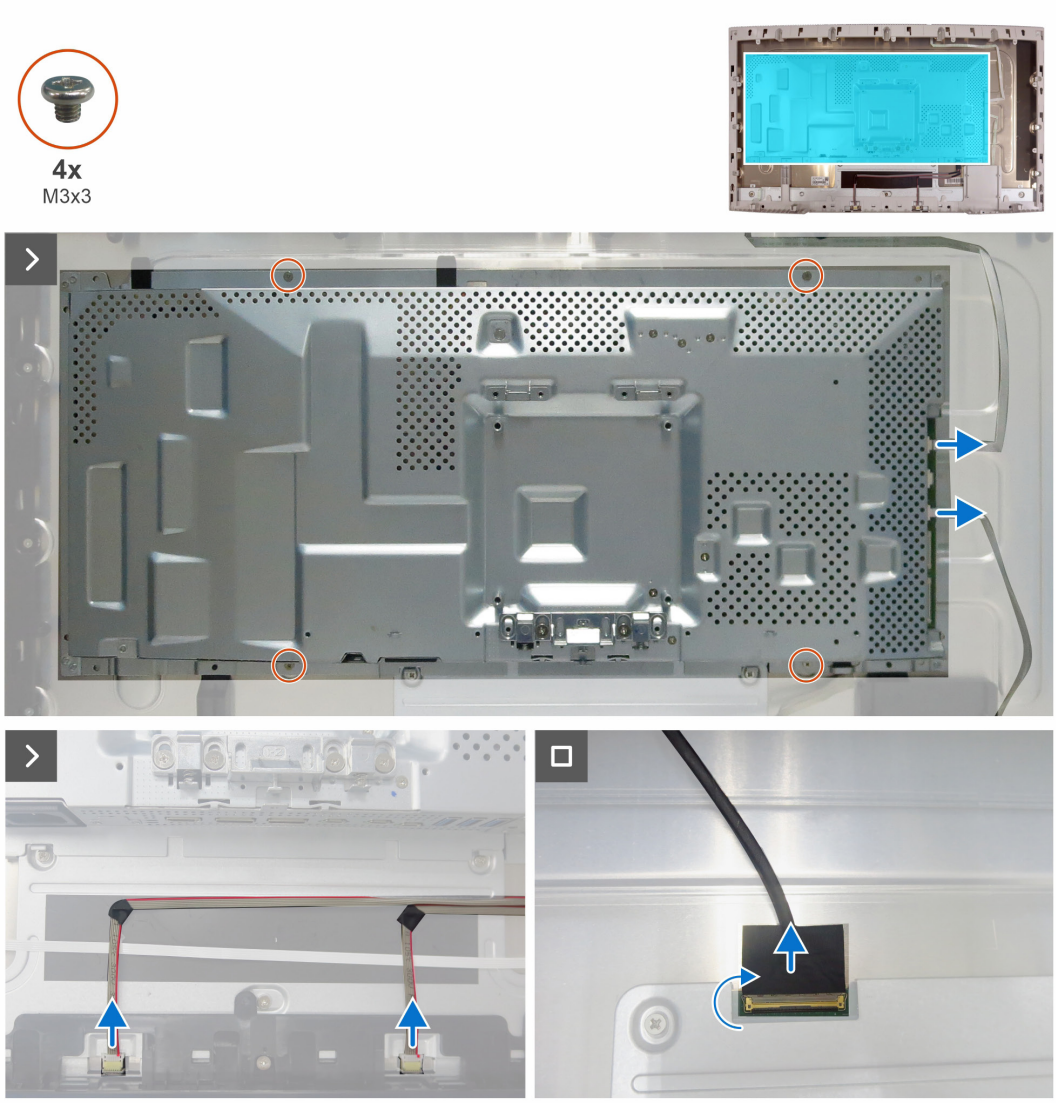


Figure 15. Removing the main board

Steps

1. Remove the four screws (M3x3) that secure the main chassis to the display panel.
2. Disconnect the LED cable and sensor cable from the main board.
3. Disconnect the lightbar cables and eDP cable from the connectors of display panel.
4. Lift and remove the main chassis away from the display panel.

Installing the main chassis

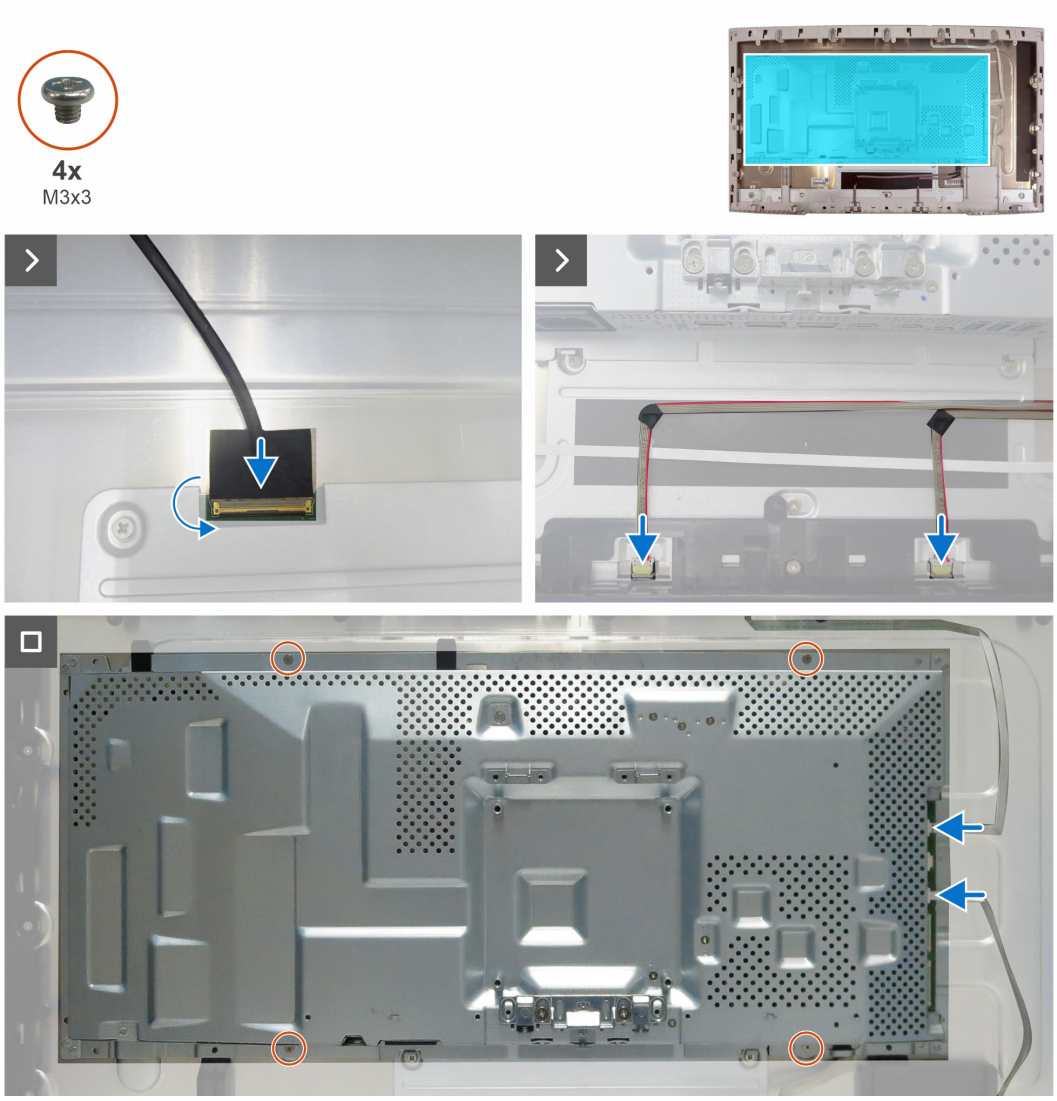


Figure 16. Installing the main chassis

Steps

1. Align the holes on the main chassis with the probers the middle frame.
2. Connect the eDP cable and lightbar cables to the connector on the display panel and main board.
3. Connect the LED cable and sensor cable to the main board.
4. Replace the four screws (M3x3) to secure the main chassis with the display panel.

Next steps

1. Install the USB board.
2. Install the QAP.
3. Install the I/O cover.
4. Install the lower back cover.
5. Install the keypad board.
6. Install the upper back cover.
7. Install the stand.
8. Follow the procedure in After working inside your monitor.

Middle frame

Removing the middle frame

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the stand.
3. Remove the upper back cover.
4. Remove the keypad board.
5. Remove the lower back cover.
6. Remove the I/O cover.
7. Remove the QAP.
8. Remove the USB board.
9. Remove the main chassis.

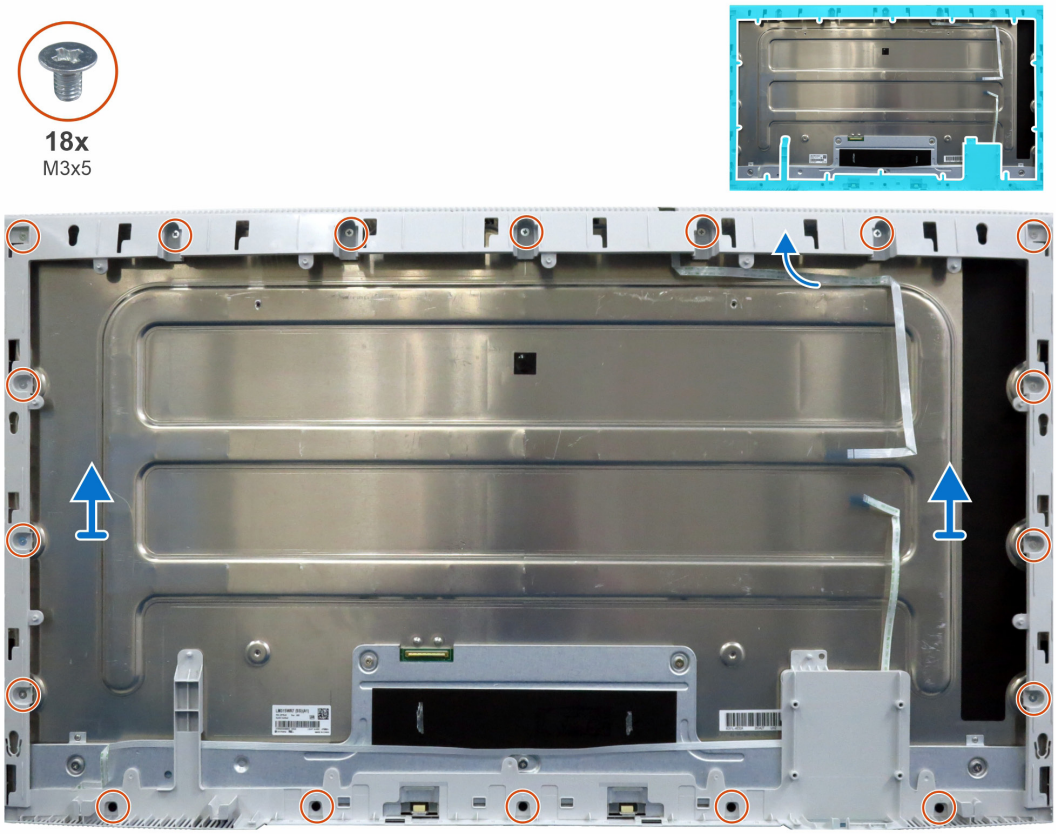


Figure 17. Removing the middle frame

Steps

1. Remove the eighteen screws (M3x5) that secure the middle frame to the panel.
2. Peel the sensor cable from the display panel.
3. Lift and remove the middle frame away from the display panel.

Installing the middle frame

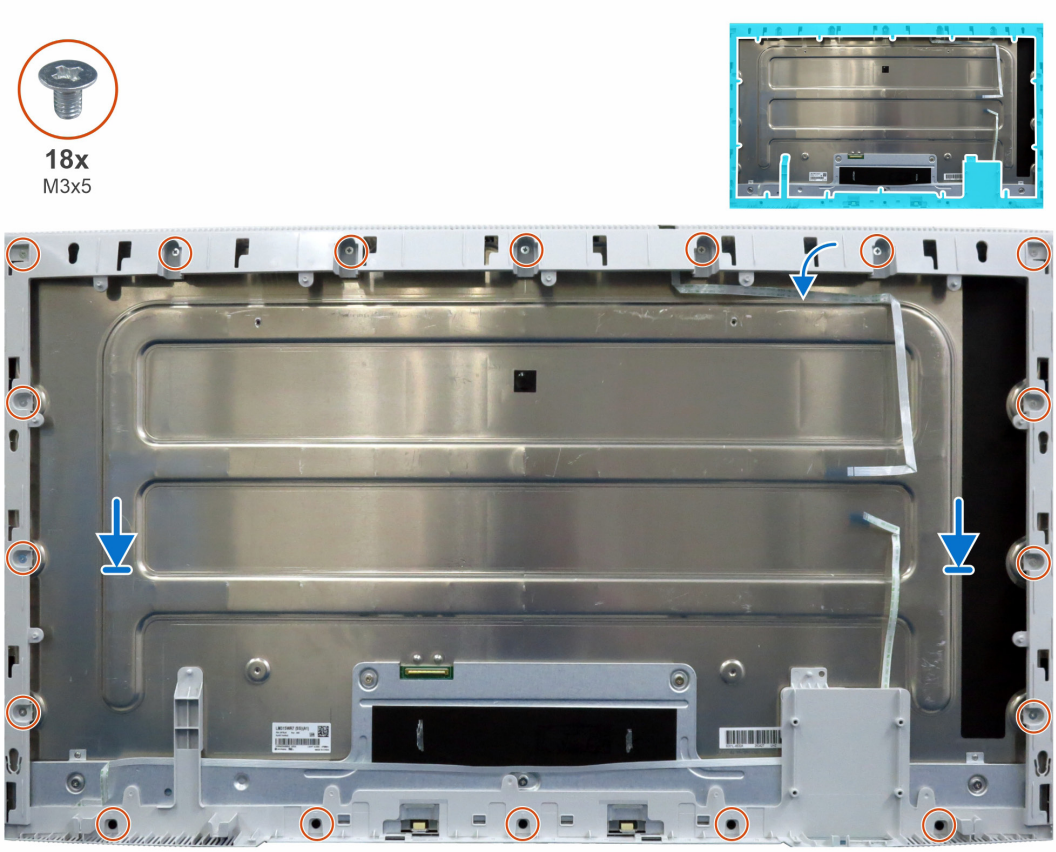


Figure 18. Installing the middle frame

Steps

1. Align and place the middle frame on the display panel.
2. Adhere the sensor cable on the back of display panel.
3. Replace the eighteen screws (M3x5) that secure the middle frame to the display panel.

Next steps

1. Install the main chassis.
2. Install the USB board.
3. Install the QAP.
4. Install the I/O cover.
5. Install the lower back cover.
6. Install the keypad board.
7. Install the upper back cover.
8. Install the stand.
9. Follow the procedure in After working inside your monitor.

LED board and ALS board

Removing the LED board and ALS board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the stand.
3. Remove the upper back cover.
4. Remove the keypad board.
5. Remove the lower back cover.
6. Remove the I/O cover.
7. Remove the QAP.
8. Remove the USB board.
9. Remove the main chassis.
10. Remove the middle frame.

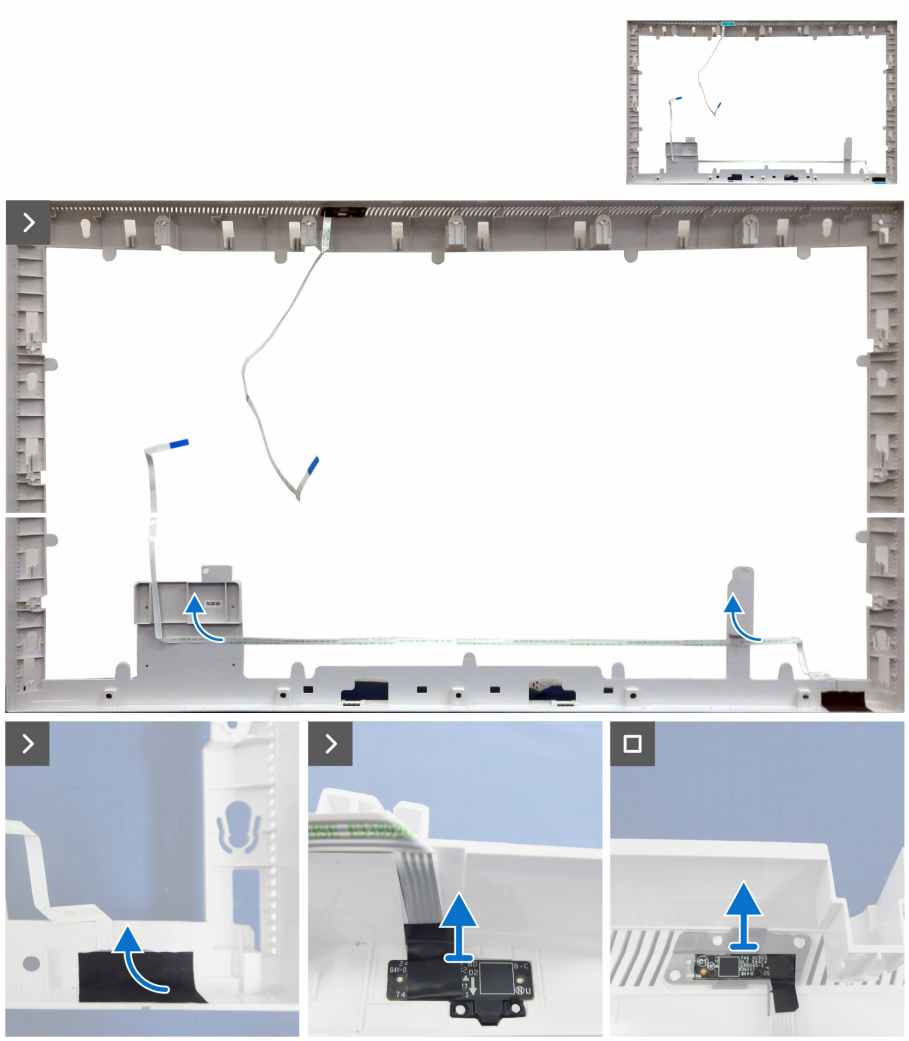


Figure 19. Removing the LED board and ALS board

Steps

1. Peel the LED cable from the middle frame.
2. Peel the mylar tape on the LED board.
3. Remove the LED board from the pins on the bottom side of the middle frame.
4. Remove the ALS board from the pins on the top side of middle frame.

Installing the LED board and ALS board

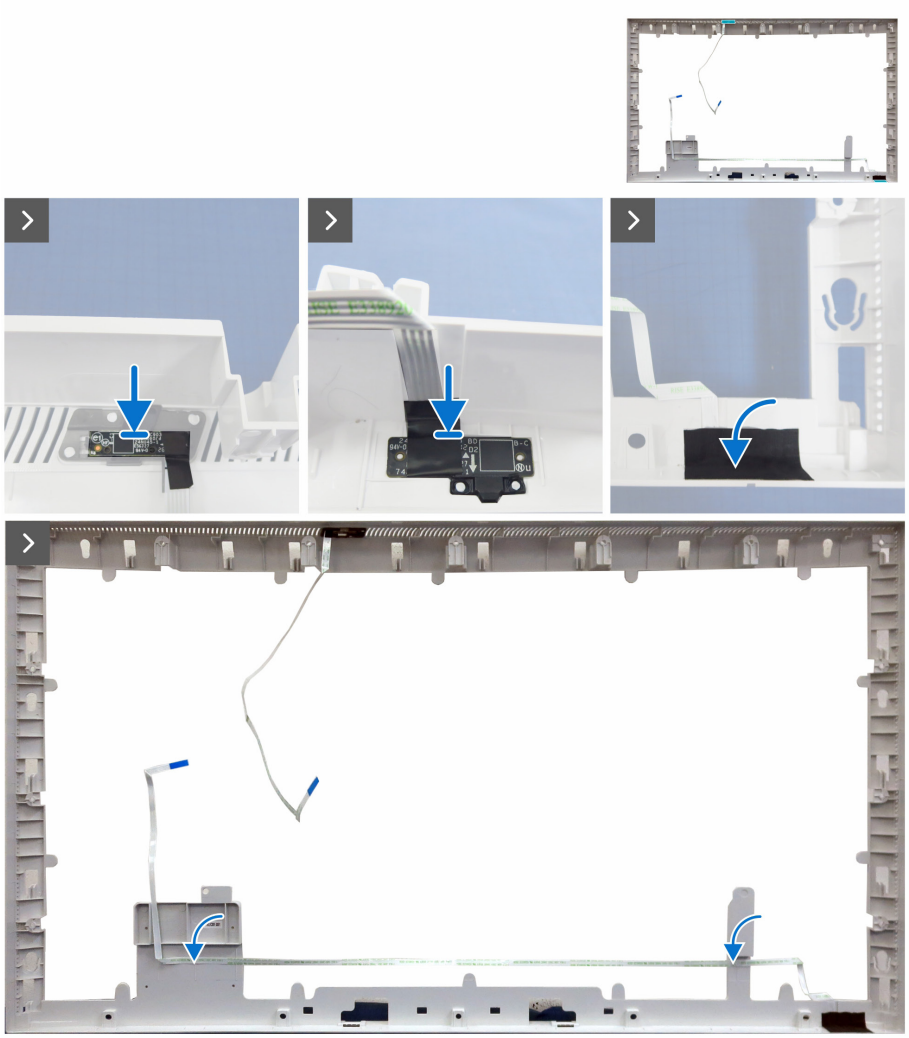


Figure 20. Installing the LED board and ALS board

Steps

1. Align the holes on the ALS board with the pins on the middle frame (top side).
2. Align the holes of the LED board with the pins on the middle frame (bottom side).
3. Adhere a mylar tape to cover the LED board.
4. Adhere the LED cable on the middle frame with tape.

Next steps

1. Install the middle frame.
2. Install the main chassis.
3. Install the USB board.
4. Install the QAP.
5. Install the I/O cover.
6. Install the lower back cover.
7. Install the keypad board.
8. Install the upper back cover.
9. Install the stand.
10. Follow the procedure in After working inside your monitor.

Main board and power board

Removing the main board and power board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the stand.
3. Remove the upper back cover.
4. Remove the keypad board.
5. Remove the lower back cover.
6. Remove the I/O cover.
7. Remove the QAP.
8. Remove the USB board.
9. Remove the main chassis.
10. Remove the middle frame.
11. Remove the LED board and the ALS board.

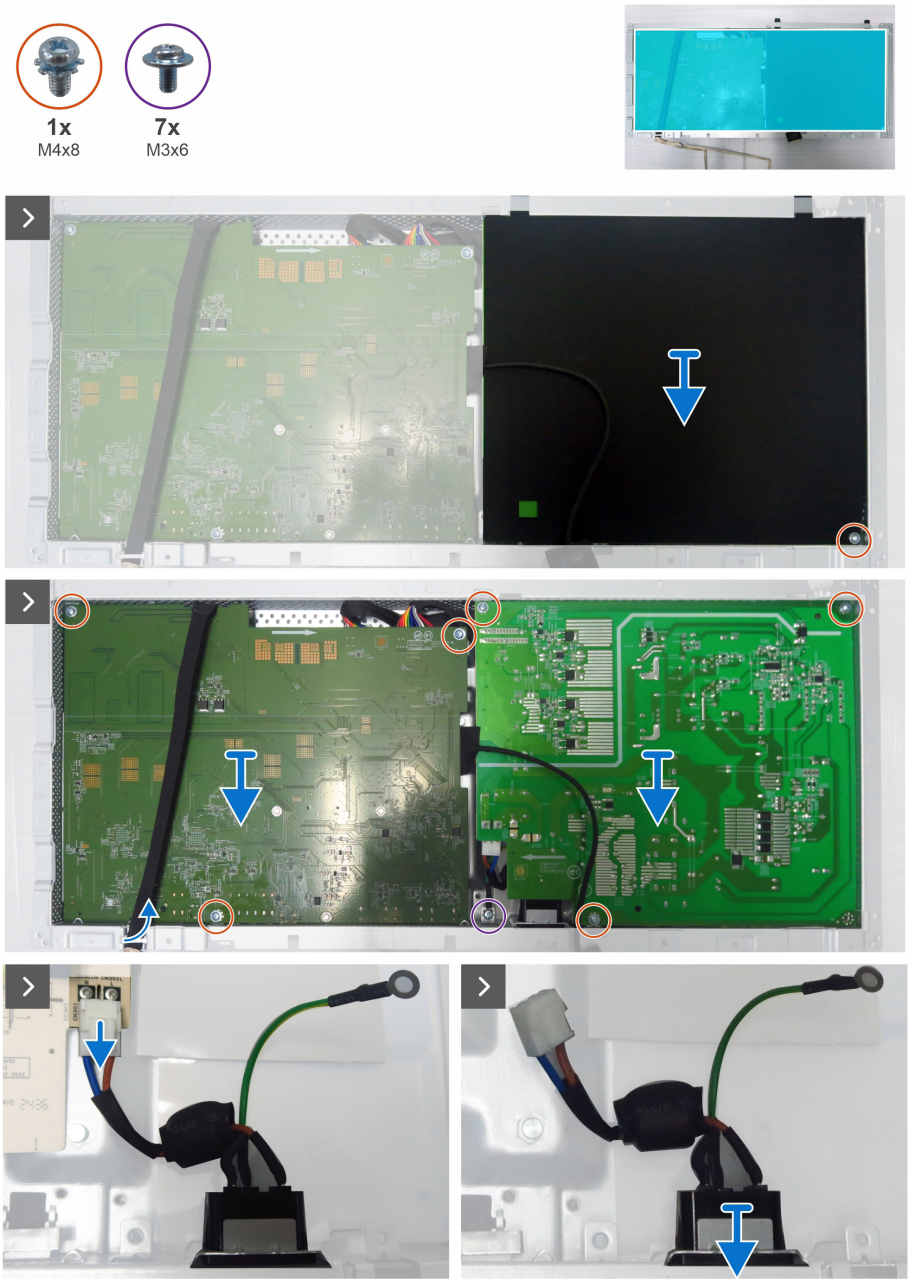


Figure 21. Removing the main board and power board

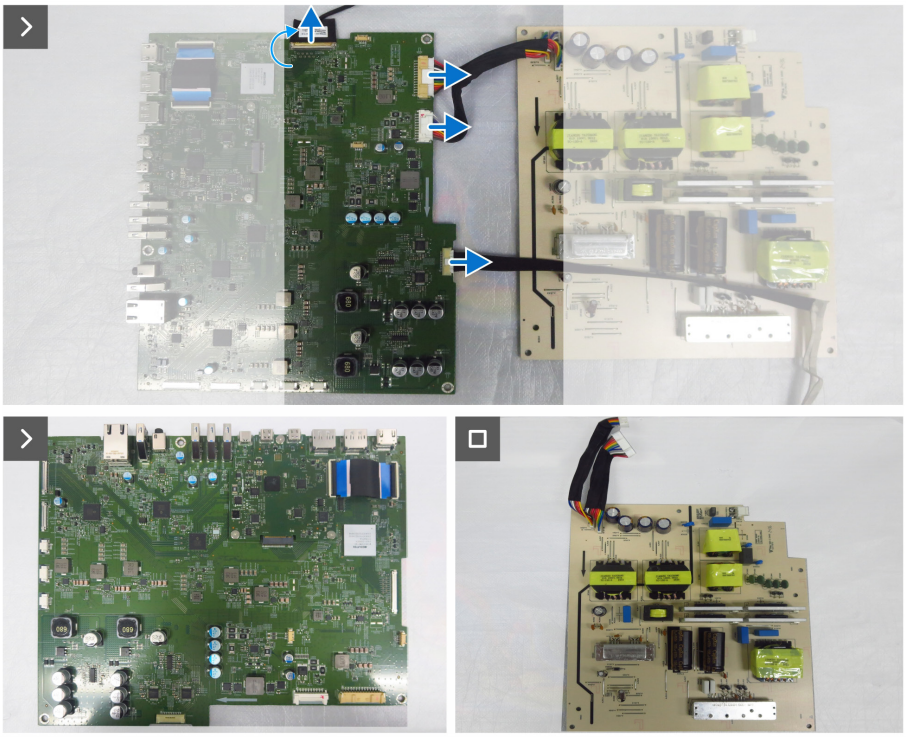


Figure 22. Removing the main board and power board

Steps

1. Remove the screw (M3x6) that secures the Mylar sheet to the power board.
2. Remove the Mylar sheet from the main chassis.
3. Remove the six screws (M3x6) and one screw (M4x8) on the main board and power board.
4. Slide the lightbar cable from the slot on the main chassis.
5. Lift the power board and disconnect the switch cable from the main board.
6. Remove the main board and power board from the main chassis.
7. Remove the AC switch module from the main chassis.
8. Disconnect the eDP cable, lightbar cable and connective cables from the connectors on the main board.

Installing the main board and power board

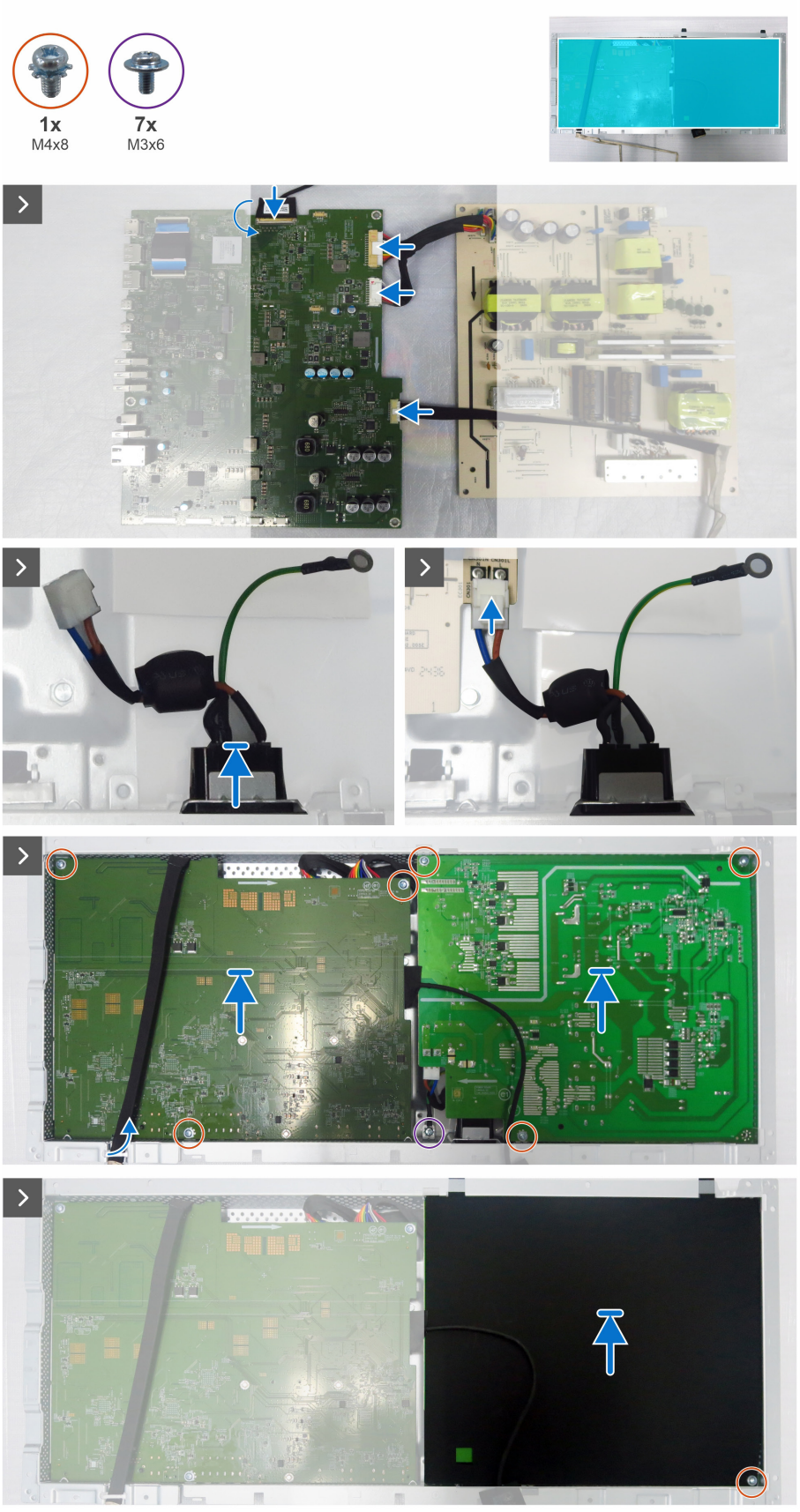


Figure 23. Installing the main board and power board

Steps

1. Connect eDP cable, lightbar cable and the connective cables of the power board to the connectors on the main board.
2. Replace the AC switch module to the main chassis.
3. Plug the AC cable to the power board and turn the boards.
4. Align the screw holes on the boards with the screw holes on the main chassis.
5. Replace six screws (M3x6) and one screw (M4x8) that secure the main board and power board to the main chassis.
6. Align and place the Mylar sheet to cover the power board.
7. Replace the screw (M3x6) that secures the Mylar sheet and power board to the main chassis.

Next steps

1. Install the LED board and ALS board.
2. Install the middle frame.
3. Install the main chassis.
4. Install the USB board.
5. Install the QAP.
6. Install the I/O cover.
7. Install the lower back cover.
8. Install the keypad board.
9. Install the upper back cover.
10. Install the stand.
11. Follow the procedure in After working inside your monitor.

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see Contact Support at Dell Support Site.

NOTE: Availability varies by country and product, and some services may not be available in your country.

NOTE: If you do not have an active internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Revision History

The following table provides the revision history of this document:

Table 2. Revision history

Revision	Date	Description
A00	June 2026	Original publish date.