Dell Pro 75 Plus 4K Touch Monitor P7525QT

Teardown Instruction

Model: P7525QT
Regulatory Model: P7525QTt
March 2025
Rev. A00

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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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 press 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 the 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 your monitor.

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

The procedures in this document may require the following tools:

- Phillips screwdriver #0
- Phillips screwdriver #2
- Nut driver 5 mm
- Plastic scribe

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 with the configuration ordered.

Table 1. Screw List

Component	Screw type	Quantity	Screw image
Handles	M6x8	8	
Back cover	M3x9	29	
Power key board	M3x5	2	
Speakers	M4x10	4	
Driver board	M3x6	4	
T-CON board	M3x6	2	
AC socket module	M4x8	1	
AC socket module	M3x6	1	
Power board	M3x6	7	
USB board	M3x6	2	
VGA connector	M3x8	2	
Main board	M3x6	2	
Main Board	M3x18	2	
Front Bezel	M3x4	31	
Touch board	M3x6	2	

Dell Pro Micro holder

Removing the Dell Pro Micro holder

Prerequisites

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

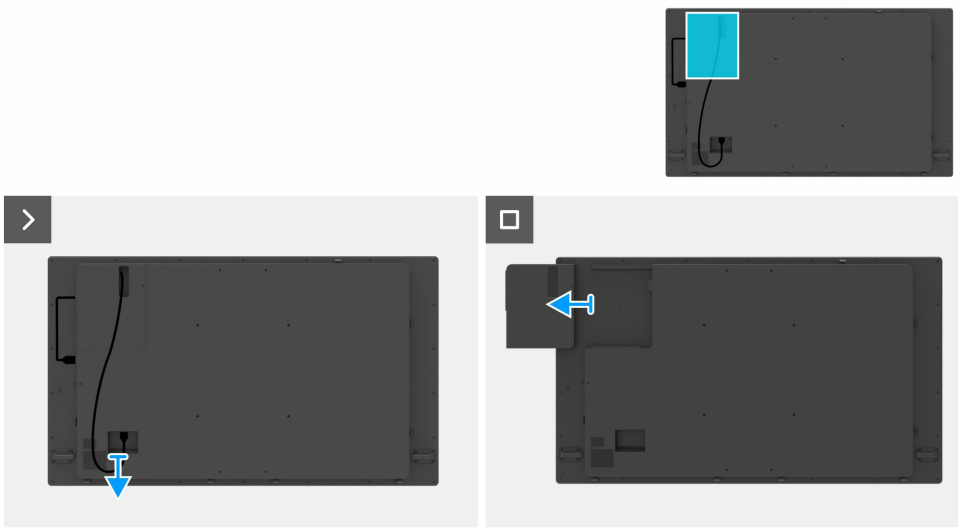

Figure 1. Removing the Dell Pro Micro holder

Steps

1. Disconnect the cable from the the display monitor.
2. Slide the Dell Pro Micro holder away from the display monitor.

Installing the Dell Pro Micro holder

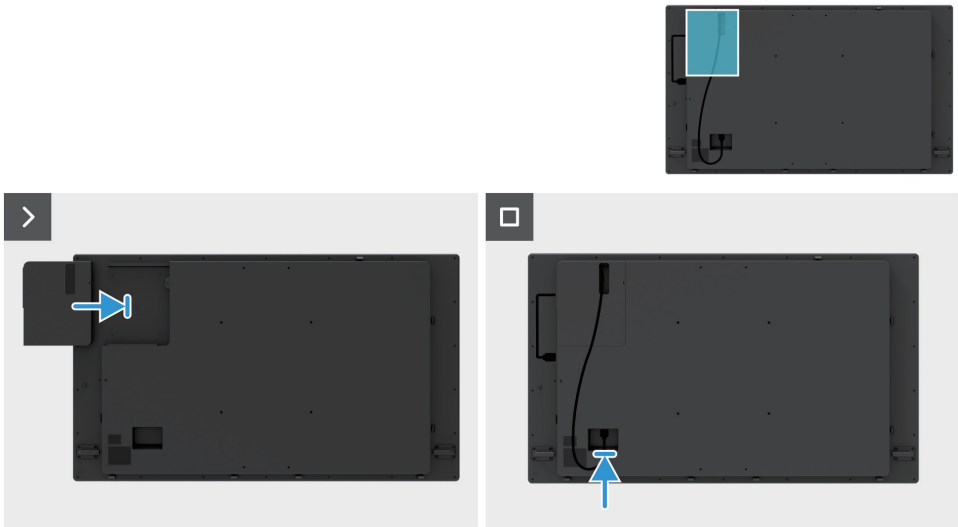

Figure 2. Installing the Dell Pro Micro holder

Steps

1. Slide the Dell Pro Micro holder back into the display monitor.
2. Connect the cable to the display monitor.

Next steps

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

Handles

Removing the handles

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.

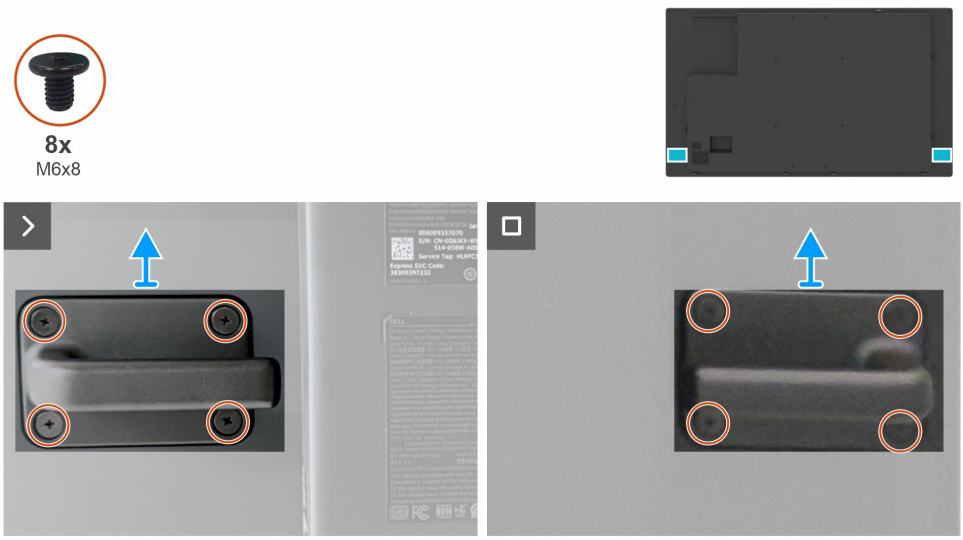

Figure 3. Removing the handles

Steps

1. Remove the eight screws (M4x10) that secures the two handles to the back cover.
2. Remove the two handles from the back cover.

Installing the handles

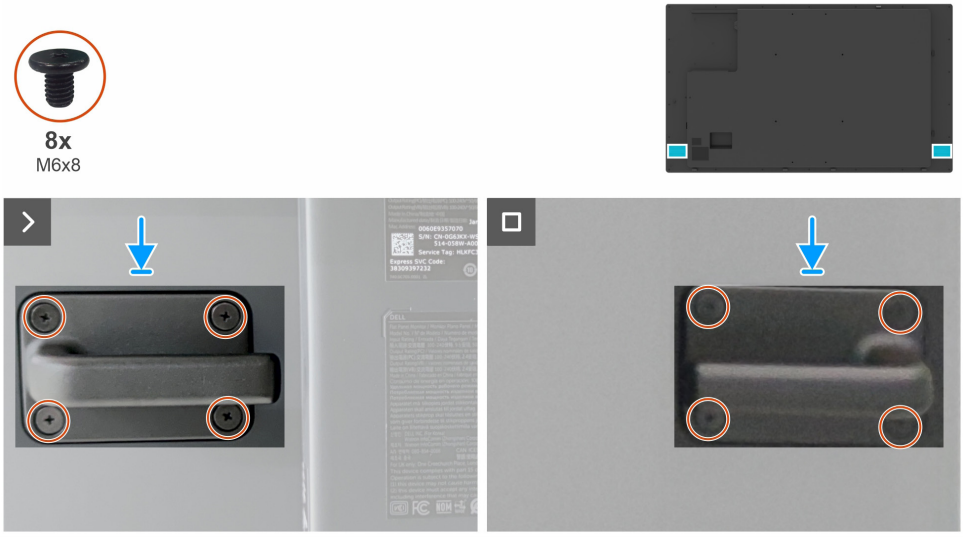

Figure 4. Installing the handles

Steps

1. Align the slots on the back cover with the slots on the handles, and then place the two handles on the back cover.
2. Replace the eight screws (M4x10) that secure the two handles to the back cover.

Next steps

1. Install the Dell Pro Micro holder.
2. Follow the procedure in After working inside your monitor.

Back cover

Removing the back cover

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.

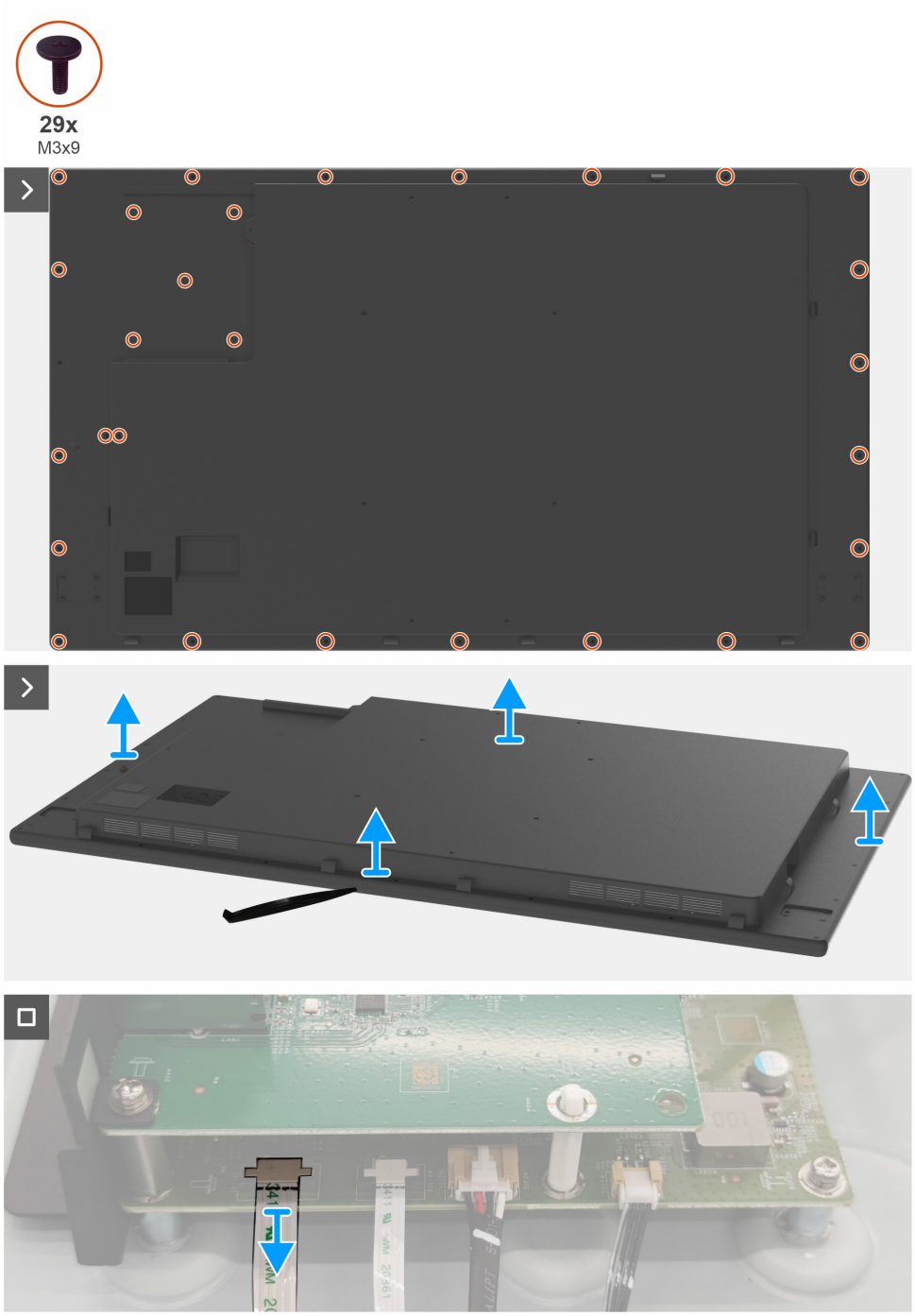

Figure 5. Removing the back cover

Steps

1. Remove the 29 screws (M3x4) that secure the back cover with the display-assembly base.
2. Using a plastic scribe, pry the back cover starting from the bottom edge of the monitor.
3. Lift the back cover and disconnect the power key cable from the main board.
4. Remove the back cover from the display-assembly base.

Installing the back cover

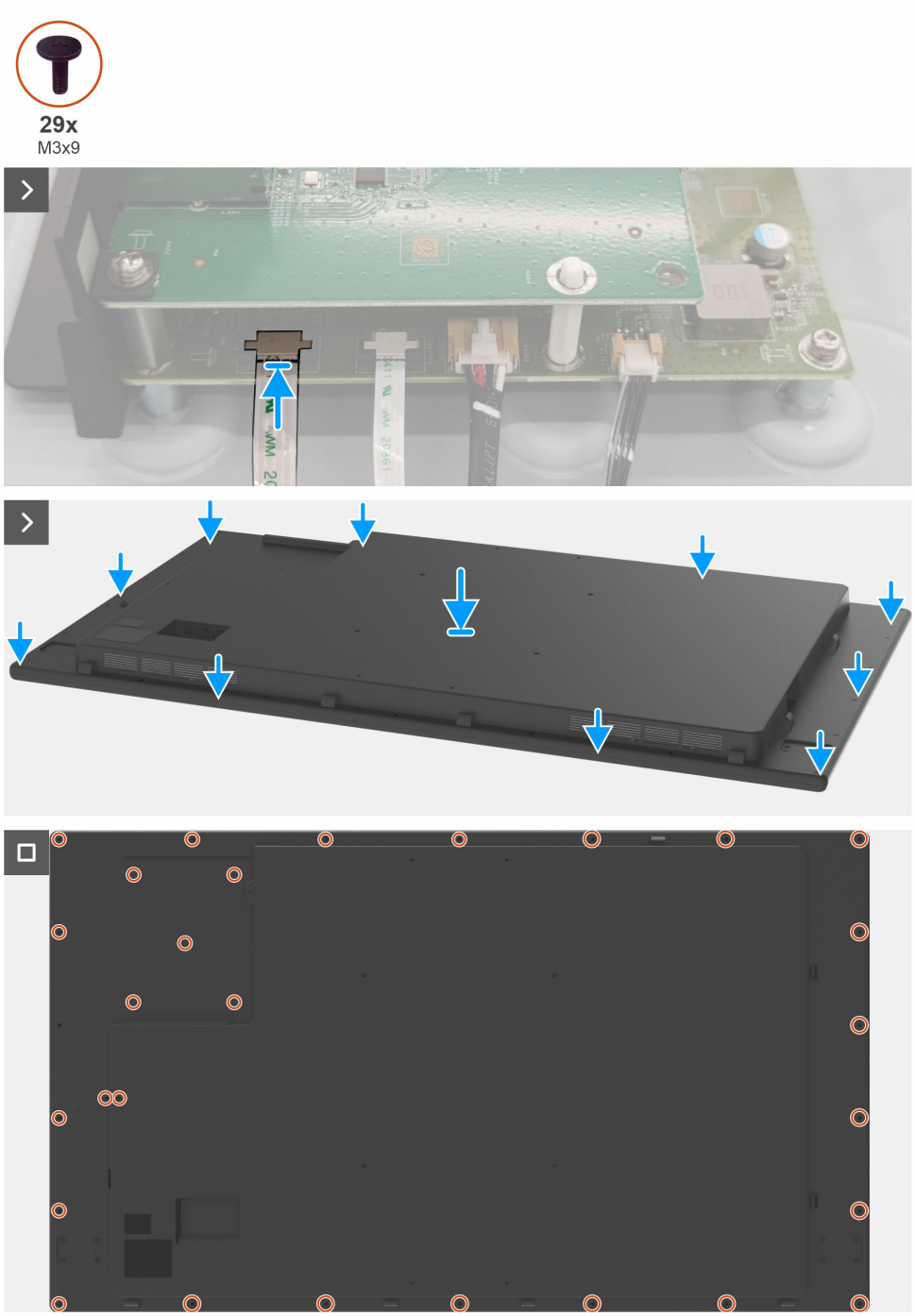

Figure 6. Installing the back cover

Steps

1. Connect the power key cable to the main board.
2. Align the slots on the back cover with the slots on the chassis, and then press along the sides to snap the back cover into place.
3. Replace the 29 screws (M3x4) that secure the back cover to the display-assembly base.

Next steps

1. Install the handles.
2. Install the Dell Pro Micro holder.
3. Follow the procedure in After working inside your monitor.

Power key board

Removing the power key board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.

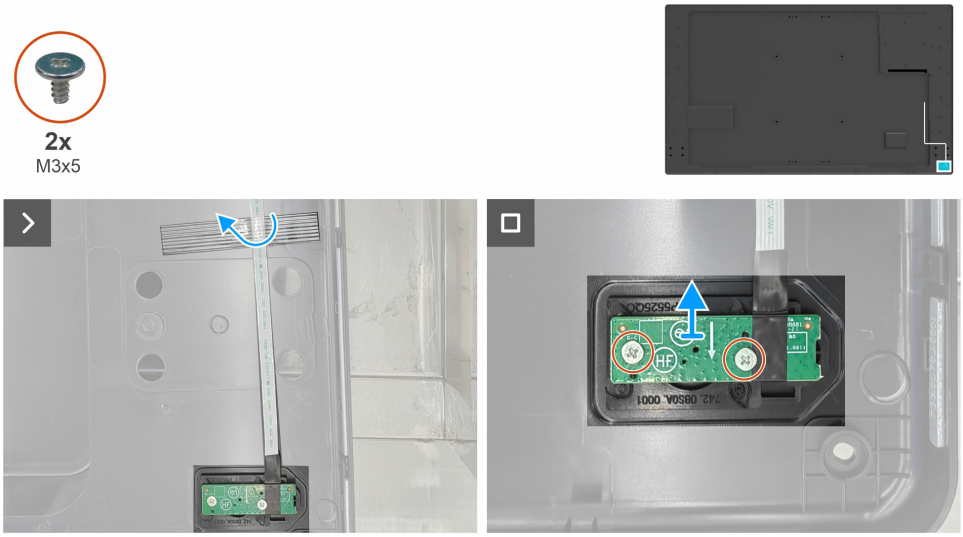

Figure 7. Removing the power key board

Steps

1. Peel the tape that secures the power key cable to the back cover.
2. Remove the two screws (M3x5) that secure the power key board to the back cover.
3. Remove the power key board from the back cover.

Installing the power key board

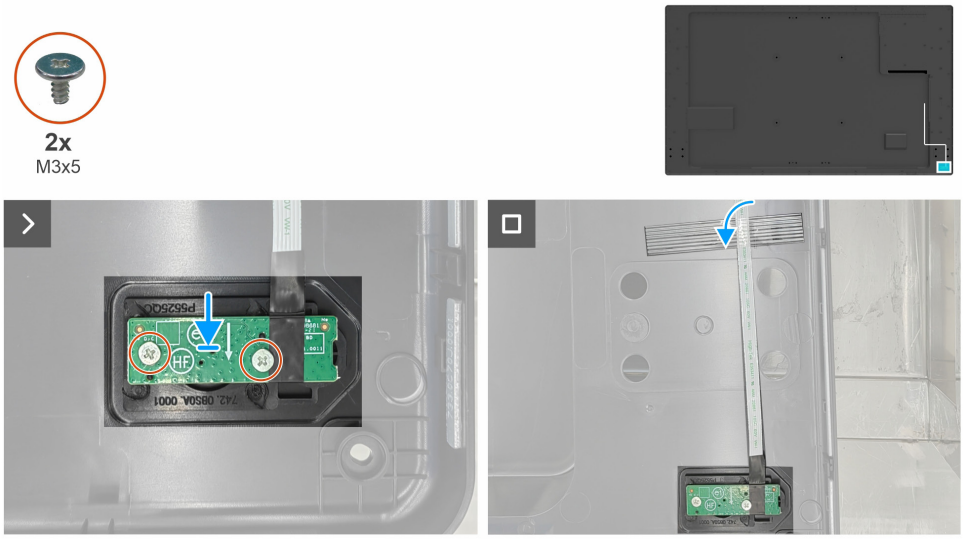

Figure 8. Installing the power key board

Steps

1. Place the power key board on the back cover.
2. Replace the two screws (M3x5) that secure the power key board to the back cover.
3. Adhere the tape that secures the power key cable to the back cover.

Next steps

1. Install the back cover.
2. Install the handles.
3. Install the Dell Pro Micro holder.
4. Follow the procedure in After working inside your monitor.

Speakers

Removing the speakers

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.
5. Remove the power key board.

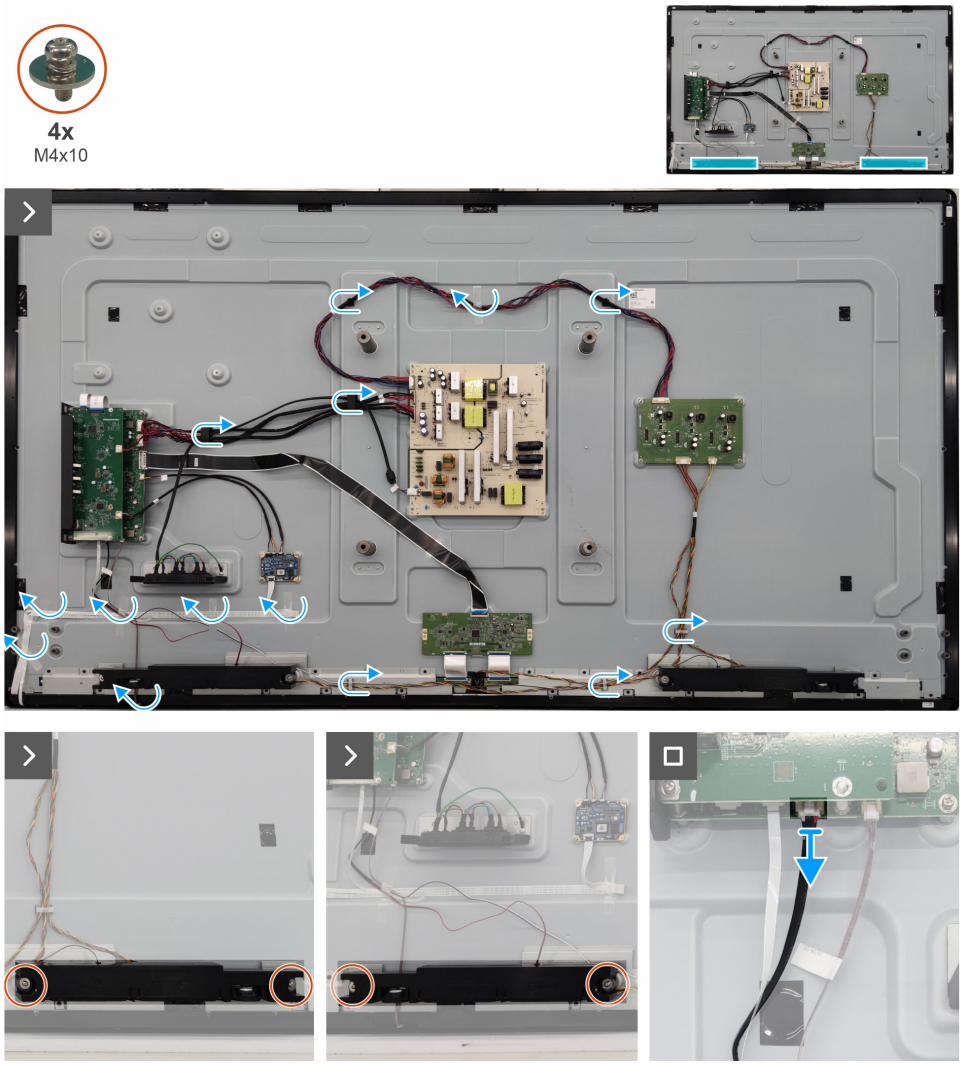

Figure 9. Removing the speakers

Steps

1. Remove the seven tapes and unlcok the seven cable clips.
2. Remove the four screws (M4x10) that secure the two speakers to the display-assembly base.
3. Disconnect the speaker cables from the connector on the main board.
4. Remove the two speakers from the display-assembly base.

Installing the speakers

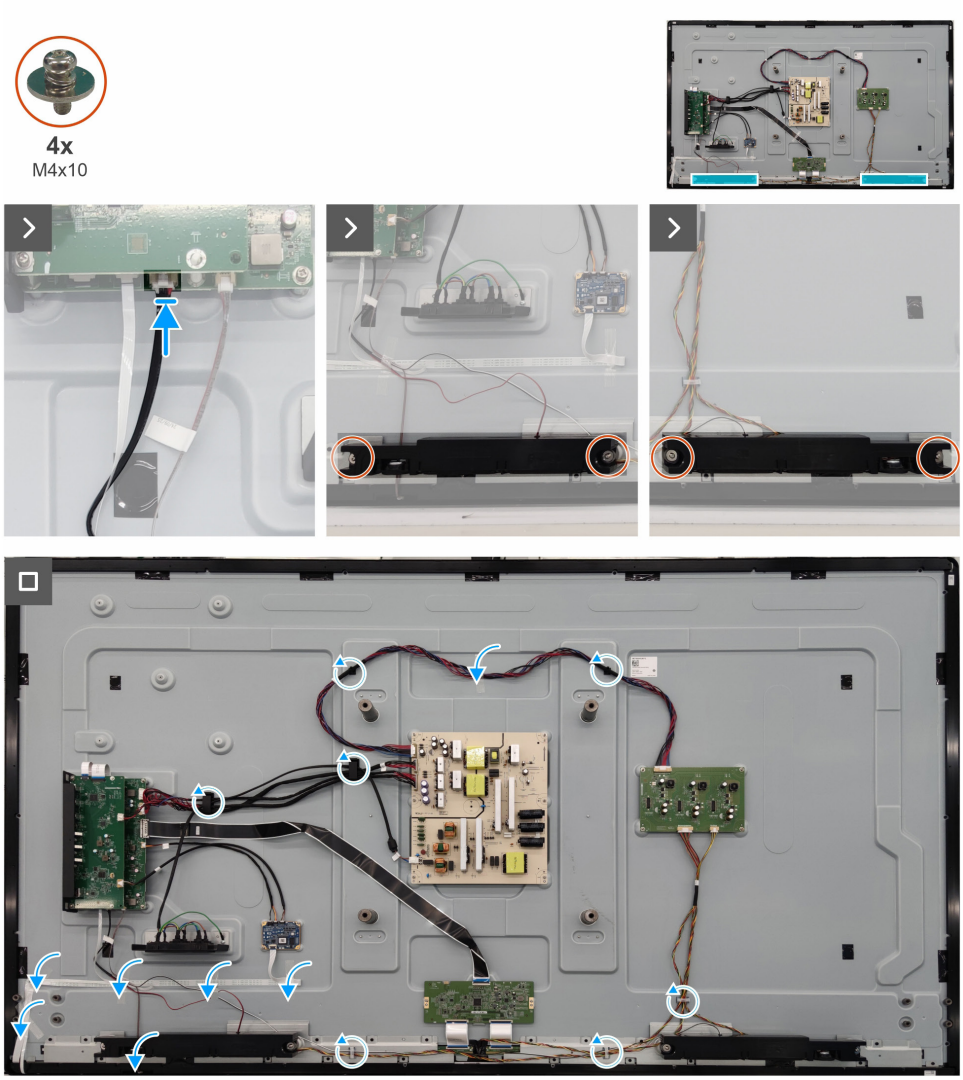

Figure 10. Installing the speakers

Steps

1. Align the two speakers with the tabs on the display-assembly base.
2. Replace the four screws (M4x10) that secure the two speakers to the display-assembly base.
3. Connect the speaker cable to the main board.
4. Adhere the seven tapes and lock the seven cable clips to secure the cables.

Next steps

1. Install the power key board.
2. Install the back cover.
3. Install the handles.
4. Install the Dell Pro Micro holder.
5. Follow the procedure in After working inside your monitor.

Driver board

Removing the driver board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.
5. Remove the power key board.
6. Remove the speakers.

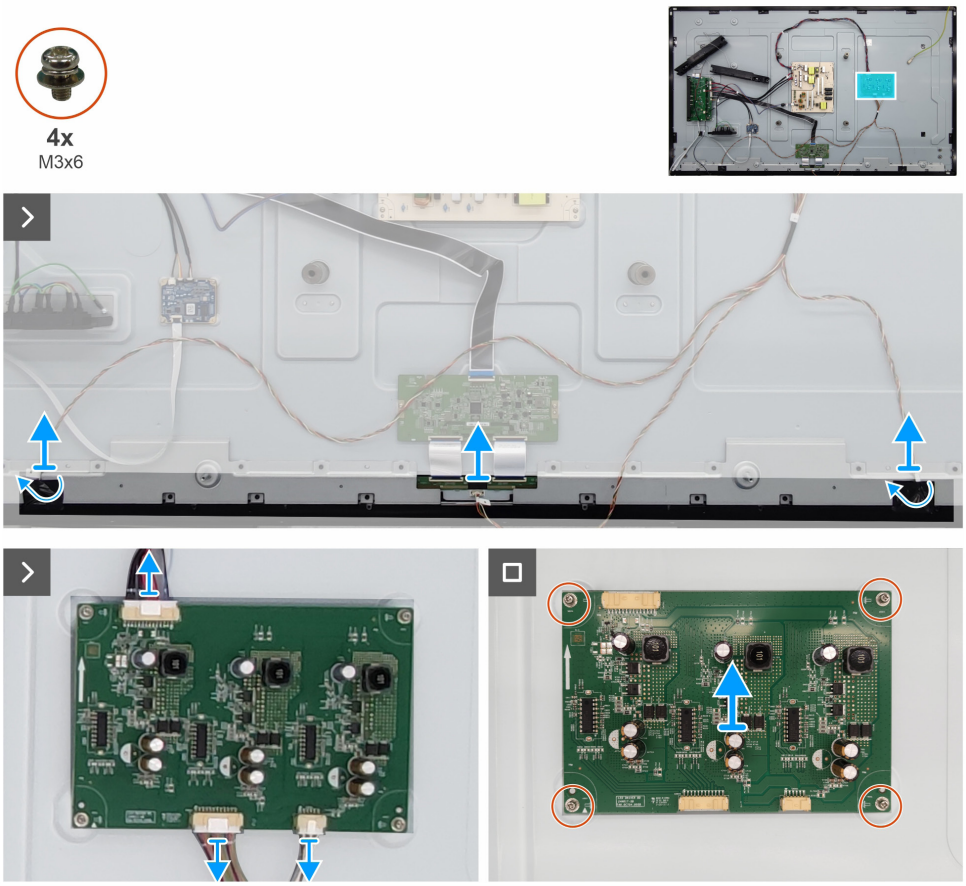

Figure 11. Removing the driver board

Steps

1. Peel the tapes on the lightbar cables (left and right) and disconnect the lightbar cables(left, middle and right) from the connectors on the display panel.
2. Disconnect all the cables from the connectos on the driver board.
3. Remove the four screws (M3x6) that secure the driver to the display-assembly base.
4. Remove the driver board from display-assembly base.

Installing the driver board

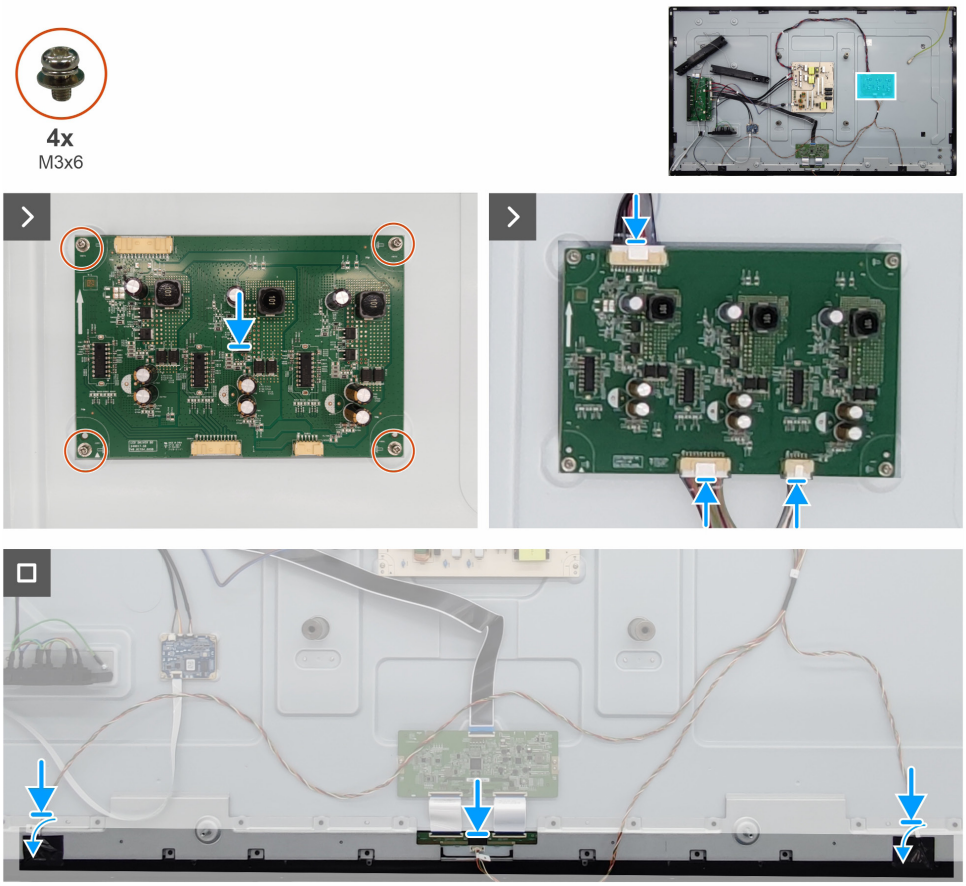

Figure 12. Installing the driver board

Steps

1. Align the screw holes on the driver board with the screw holes on the display-assembly base.
2. Replace the four screws (M3x6) that secure the driver board to the display-assembly base.
3. Connect the lightbar cables and power connective cable to the connectors on the driver board
4. Connect the three lightbar cables to the connectors on the display panel.
5. Adhere the two tapes to secure the lightbar cables on the left and right connectors.

Next steps

1. Install the speakers.
2. Install the power key board.
3. Install the back cover.
4. Install the handles.
5. Install the Dell Pro Micro holder.
6. Follow the procedure in After working inside your monitor.

T-CON board

Removing the T-CON board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.
5. Remove the power key board.
6. Remove the speakers.
7. Remove the driver board.

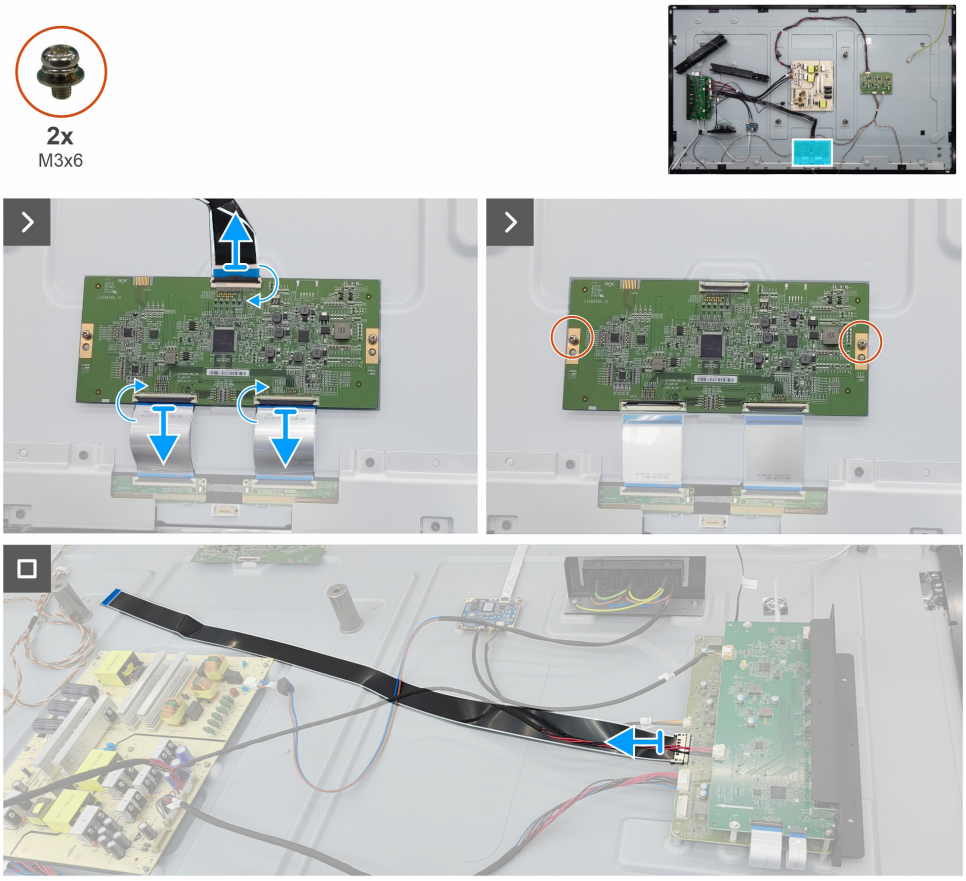

Figure 13. Removing the T-CON board

Steps

1. Disconnect all the cables on the T-CON board.
2. Remove the two screws (M3x6) that secure the T-CON board to the display-assembly base.
3. Remove the T-CON board from display-assembly base.
4. Disconnect the T-CON cable from the connector on the main board.

Installing the T-CON board

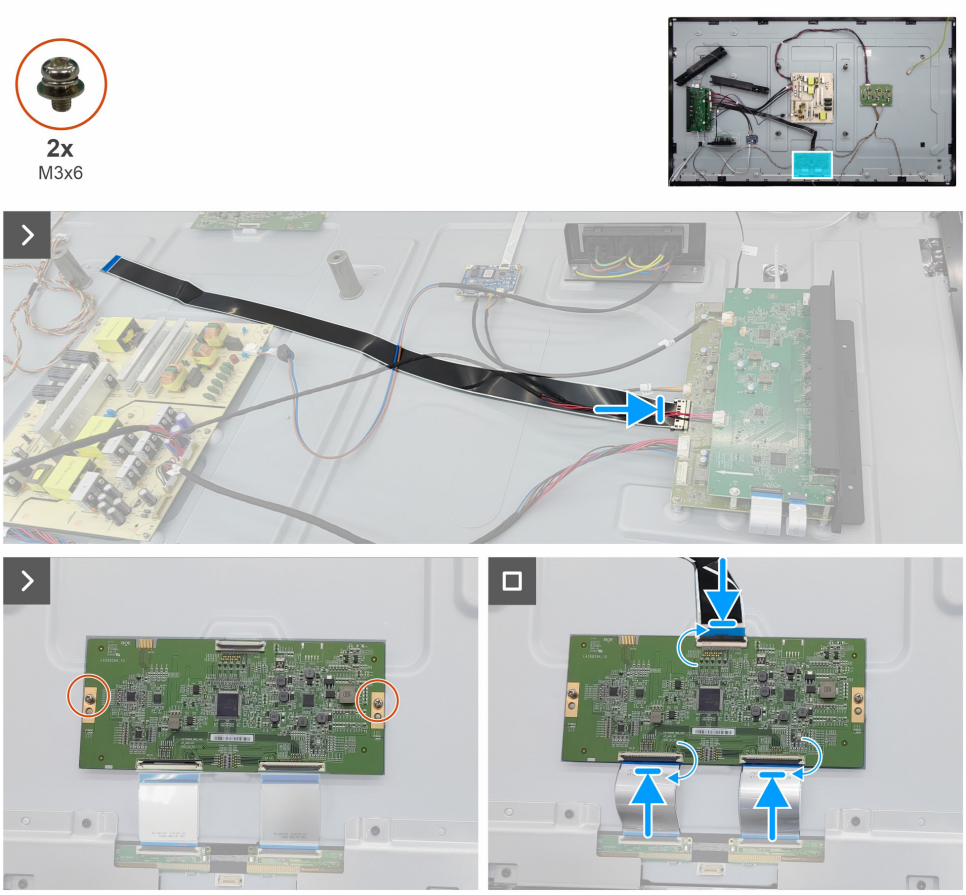

Figure 14. Installing the T-CON board

Steps

1. Connect the touch cable to the connector on the main board.
2. Align the screw holes on the T-CON board with the screw holes on the display-assembly base.
3. Replace the two screws (M3x6) that secure the T-CON board to the display-assembly base.
4. Connect the cables to the T-CON board.

Next steps

1. Install the driver board.
2. Install the speakers.
3. Install the power key board.
4. Install the back cover.
5. Install the handles.
6. Install the Dell Pro Micro holder.
7. Follow the procedure in After working inside your monitor.

AC socket module

Removing the AC socket module

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.
5. Remove the power key board.
6. Remove the speakers.
7. Remove the driver board.
8. Remove the T-CON board.

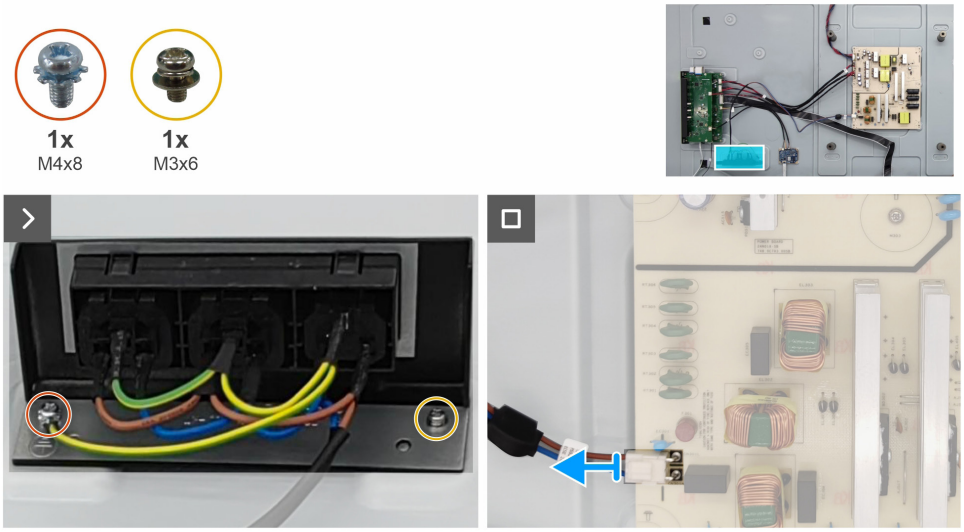

Figure 15. Removing the AC socket module

Steps

1. Remove the one grounding screw (M4x8) and one screw (M3x6) that secure the AC socket module to the display-assembly base.
2. Disconnect the cable from the power board.
3. Remove the AC socket module from the display-assembly base.

Installing the AC socket module

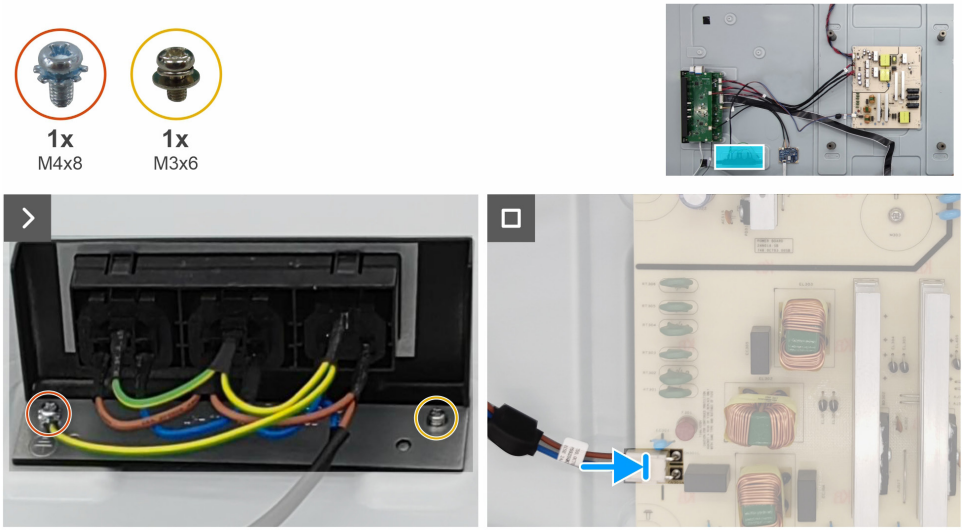

Figure 16. Installing the AC socket module

Steps

1. Align the screw holes on the AC socket module with the screw holes on the display-assembly base.
2. Replace the one screws (M3x6) that secures the AC socket module to the display-assembly base.
3. Replace the one screw (M4x8) that secures the grounding wire and AC socket module to the display-assembly base.
4. Connect the cable on the AC socket module to the connector of the power board.

Next steps

1. Install the T-CON board.
2. Install the driver board.
3. Install the speakers.
4. Install the power key board.
5. Install the back cover.
6. Install the handles.
7. Install the Dell Pro Micro holder.
8. Follow the procedure in After working inside your monitor.

Power board

Removing the power board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.
5. Remove the power key board.
6. Remove the speakers.
7. Remove the driver board.
8. Remove the T-CON board.
9. Remove the AC socket module.

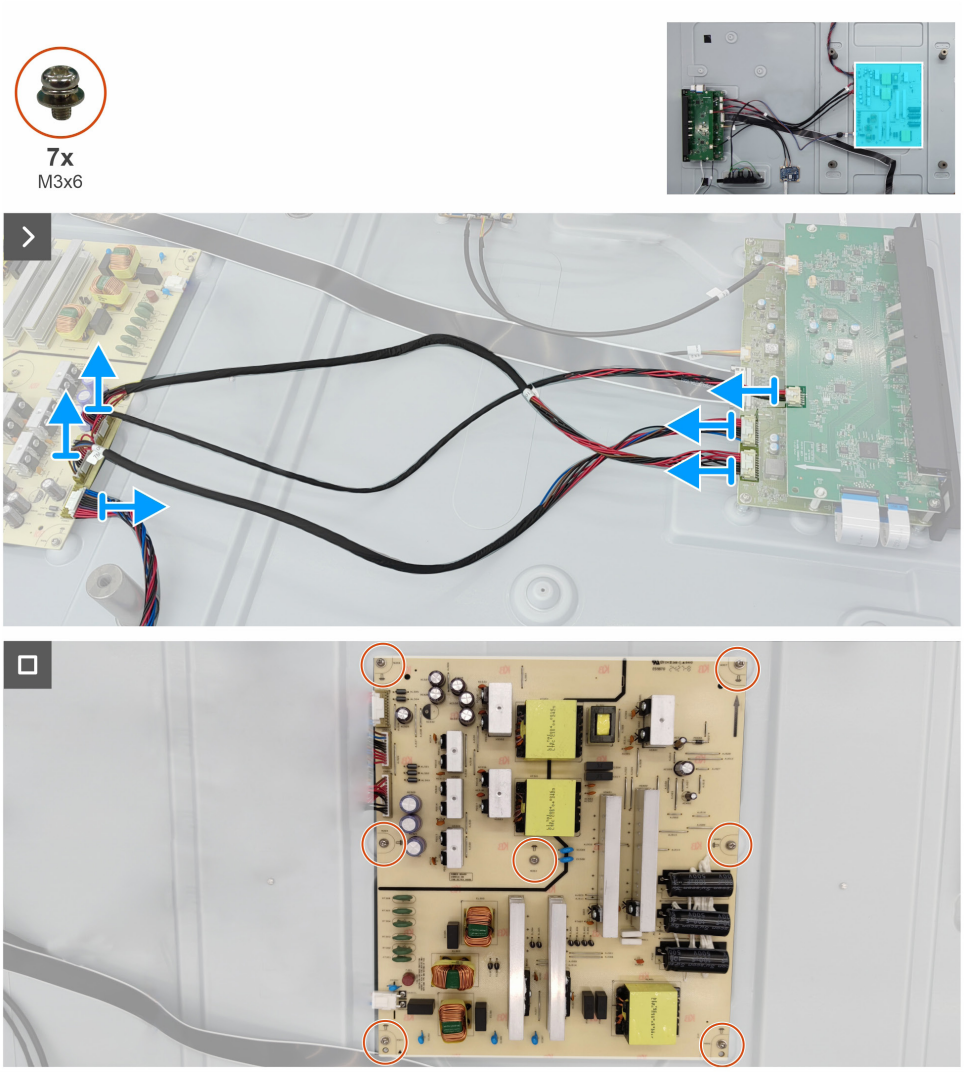

Figure 17. Removing the power board

Steps

1. Disconnect all the cable on the power board.
2. Remove the seven screws (M3x6) that secure the power board to the display-assembly base.
3. Remove the power board away from the display panel.

Installing the power board

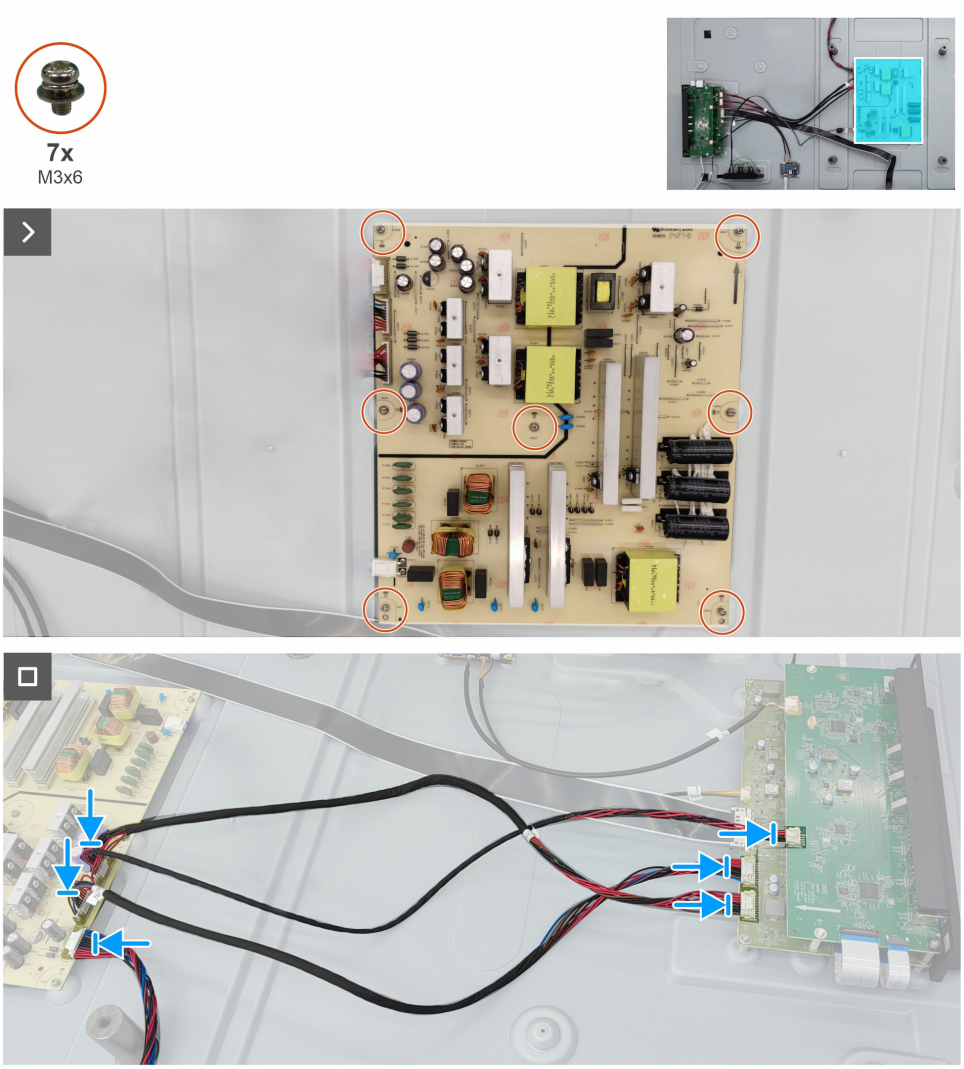

Figure 18. Installing the power board

Steps

1. Align the screw holes on the power board with the screw holes on the display-assembly base.
2. Replace the seven screws (M3x6) to secure the power board to the display-assembly base.
3. Connect all the cables to the connectors on the power board.

Next steps

1. Install the AC socket module.
2. Install the T-CON board.
3. Install the driver board.
4. Install the speakers.
5. Install the power key board.
6. Install the back cover.
7. Install the handles.
8. Install the Dell Pro Micro holder.
9. 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 Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.
5. Remove the power key board.
6. Remove the speakers.
7. Remove the driver board.
8. Remove the T-CON board.
9. Remove the AC socket module.
10. Remove the power board.

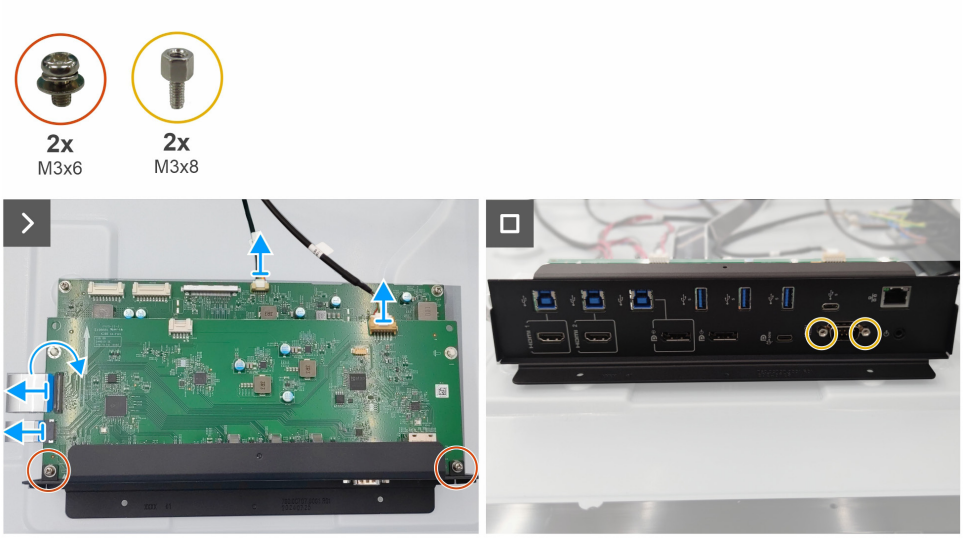

Figure 19. Removing the USB board

Steps

1. Disconnect all the cables from the connectors on the USB board and main board.
2. Remove the two screws (M3x6) that secure the USB board to the I/O cover.
1. Remove the two screws (M3x8) that secure the VGA connector to the I/O cover.
2. Remove the I/O cover and USB board from the display-assembly base.

Installing the USB board

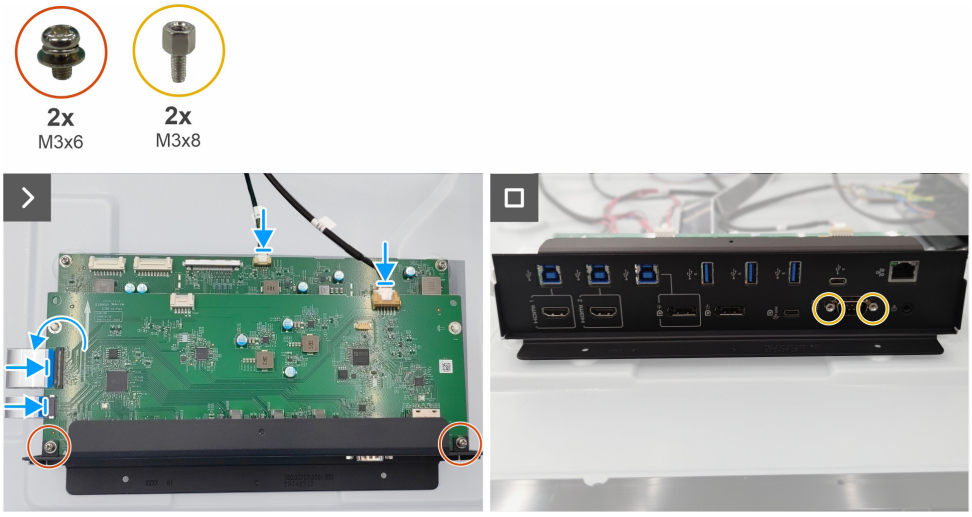

Figure 20. Installing the USB board

Steps

1. Align the connector holes on the USB board with the plastic trestles and hex studs.
2. Replace the I/O cover to the USB board.
3. Replace the two screws (M3x6) to secure the USB board to the I/O cover.
4. Replace the two screws (M3x8) to secure the VGA connector to the I/O cover.
5. Connect the cables to the USB board.

Next steps

1. Install the power board.
2. Install the AC socket module.
3. Install the T-CON board.
4. Install the driver board.
5. Install the speakers.
6. Install the power key board.
7. Install the back cover.
8. Install the handles.
9. Install the Dell Pro Micro holder.
10. Follow the procedure in After working inside your monitor.

Main board

Removing the main board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.
5. Remove the power key board.
6. Remove the speakers.
7. Remove the driver board.
8. Remove the T-CON board.
9. Remove the AC socket module.
10. Remove the power board.
11. Remove the USB board.

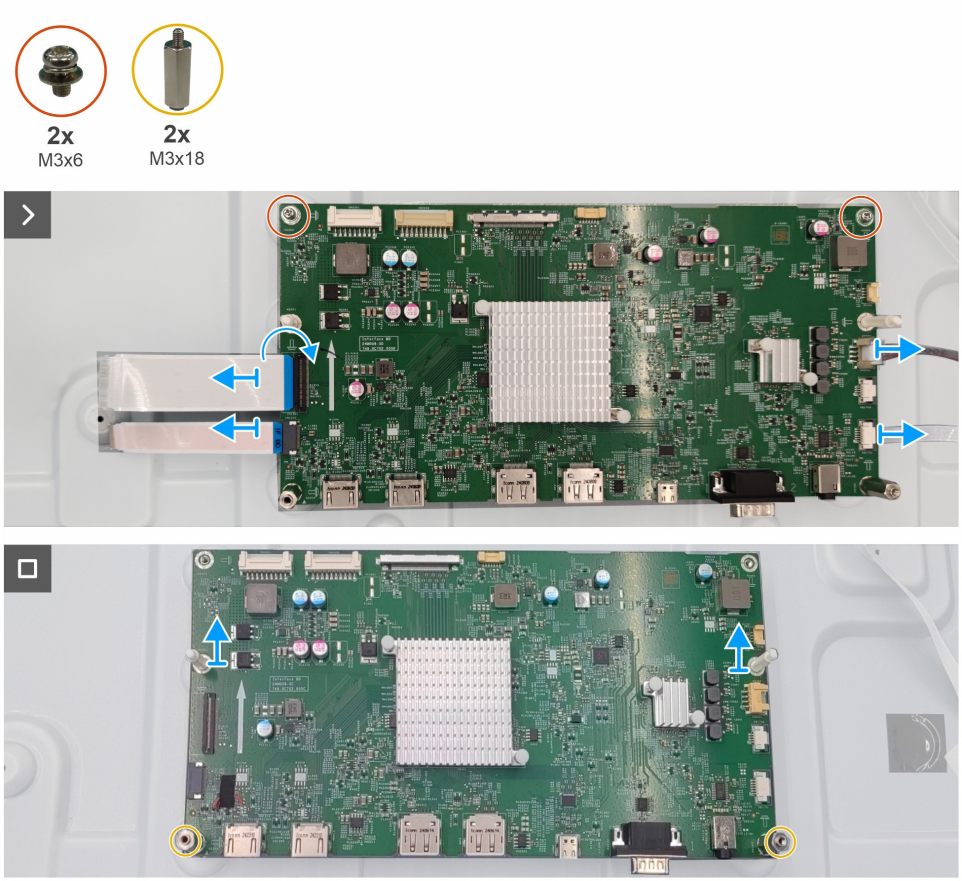

Figure 21. Removing the main board

Steps

1. Disconnect the two FFC cables, IR cable and LED cable from the connectors on the main board.
2. Remove the two plastic trestles from the main board.
3. Remove the two screws (M3x6) and the two hex studs (M3x18) that secure the main board to the display-assembly base.
4. Remove the main board from the display-assembly base.

Installing the main board

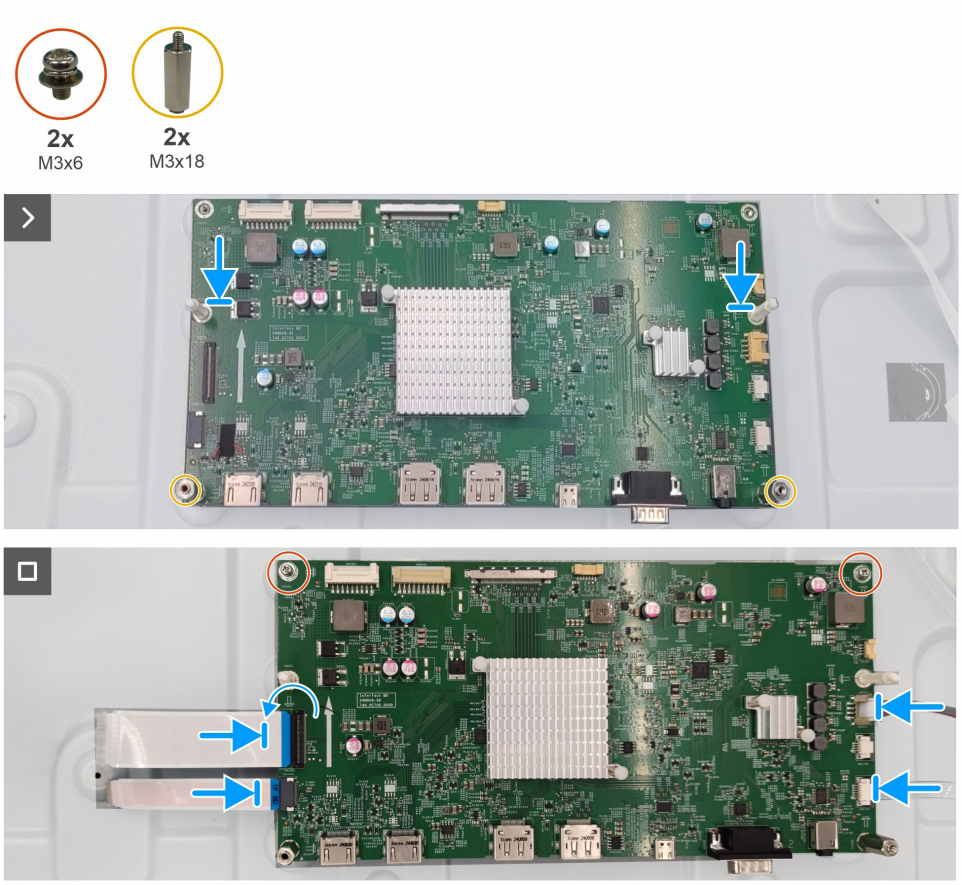

Figure 22. Installing the main board

Steps

1. Align the screw holes on the main board with the the screw holes on the display-assembly base.
2. Replace the two screws (M3x6) and two hex studs (M3x18) that secure the main board to the display-assembly base.
3. Replace the two plastic trestles to the main board.
4. Connect the two FFC cables, IR cable and LED cable to the connectors on the main board.

Next steps

1. Install the USB board.
2. Install the power board.
3. Install the AC socket module.
4. Install the T-CON board.
5. Install the driver board.
6. Install the speakers.
7. Install the power key board.
8. Install the back cover.
9. Install the handles.
10. Install the Dell Pro Micro holder.
11. Follow the procedure in After working inside your monitor.

Front bezel

Removing the front bezel

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.
5. Remove the power key board.
6. Remove the speakers.
7. Remove the driver board.
8. Remove the T-CON board.
9. Remove the AC socket module.
10. Remove the power board.
11. Remove the USB board.
12. Remove the main board.

Figure 23. Removing the front bezel

Steps

1. Remove the 31 (top side: 12, bottom side: 9, left and right side: 5) screws (M3x4) that secure the front bezel to the display panel.
2. Remove the front bezel away from the display panel.

Installing the front bezel

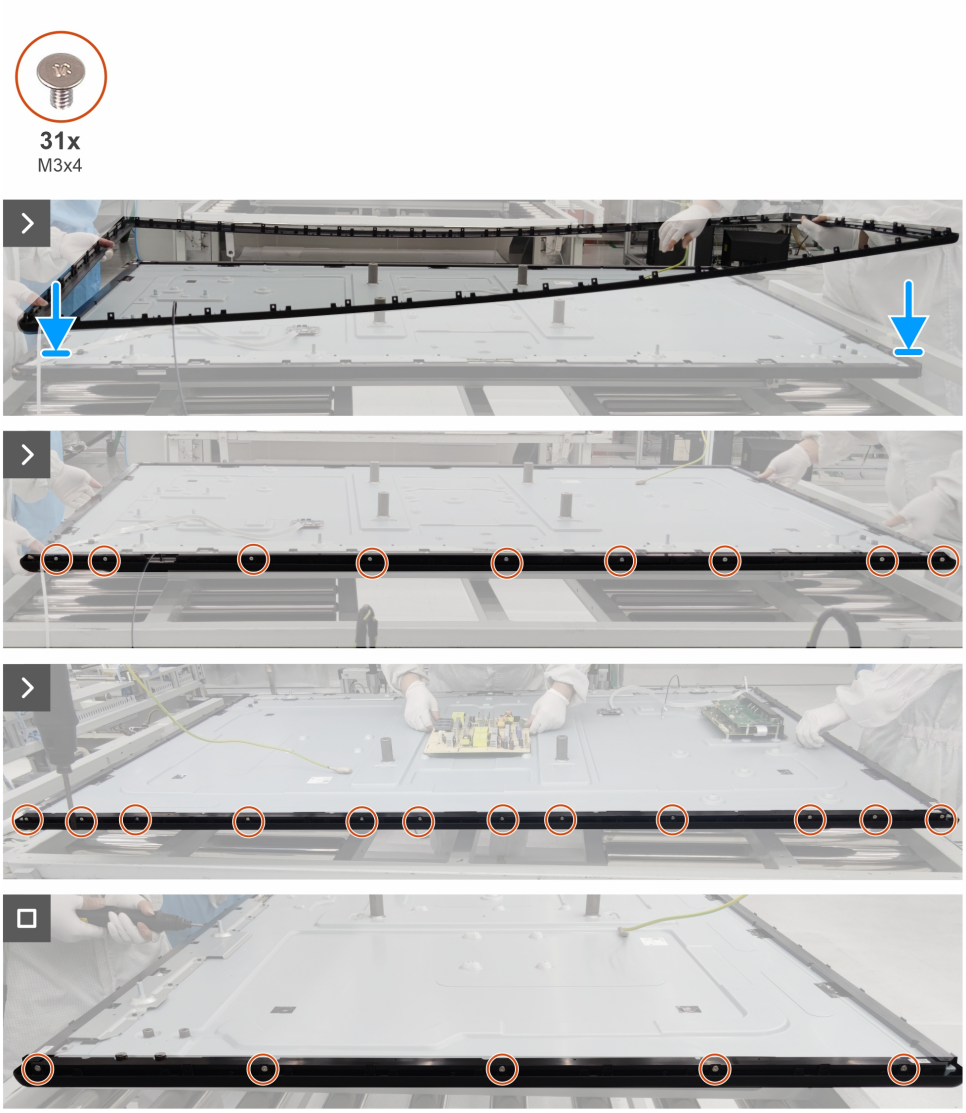

Figure 24. Installing the front bezel

Steps

1. Place the front bezel and replace the front bezel to the display panel.
2. Replace the 31 screws (M3x4) that secure the front bezel to the display panel.

Next steps

1. Install the main board.
2. Install the USB board.
3. Install the power board.
4. Install the AC socket module.
5. Install the T-CON board.
6. Install the driver board.
7. Install the speakers.
8. Install the power key board.
9. Install the back cover.
10. Install the handles.
11. Install the Dell Pro Micro holder.
12. Follow the procedure in After working inside your monitor.

Touch board

Removing the touch board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.
5. Remove the power key board.
6. Remove the speakers.
7. Remove the driver board.
8. Remove the T-CON board.
9. Remove the AC socket module.
10. Remove the power board.
11. Remove the USB board.
12. Remove the main board.
13. Remove the front bezel.

Figure 25. Removing the touch board

Steps

1. Remove the two screws (M3x6) that secure the touch board to the display-assembly base.
2. Disconnect the cables from the connectors on the touch board.
3. Remove the touch board from the display-assembly base.

Installing the touch board

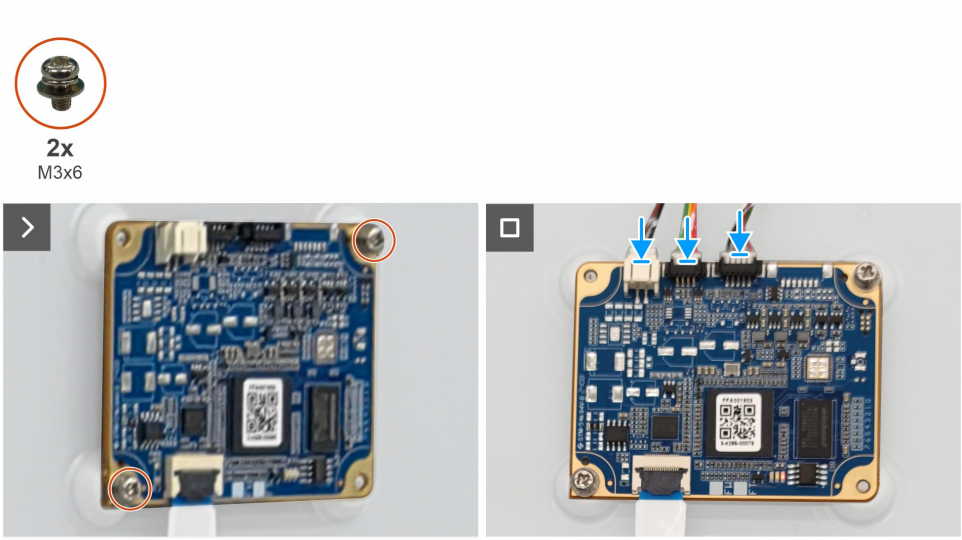

Figure 26. Installing the touch board

Steps

1. Align the screw holes on the touch board with the screw holes on the display-assembly base.
2. Replace the two screws (M3x6) that secure the touch board to the display-assembly base.
3. Connect the cables to the connectors on the touch board.

Next steps

1. Install the front bezel.
2. Install the main board.
3. Install the USB board.
4. Install the power board.
5. Install the AC socket module.
6. Install the T-CON board.
7. Install the driver board.
8. Install the speakers.
9. Install the power key board.
10. Install the back cover.
11. Install the handles.
12. Install the Dell Pro Micro holder.
13. Follow the procedure in After working inside your monitor.

IR board

Removing the IR board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.
5. Remove the power key board.
6. Remove the speakers.
7. Remove the driver board.
8. Remove the T-CON board.
9. Remove the AC socket module.
10. Remove the power board.
11. Remove the USB board.
12. Remove the main board.
13. Remove the front bezel.
14. Remove the touch board.

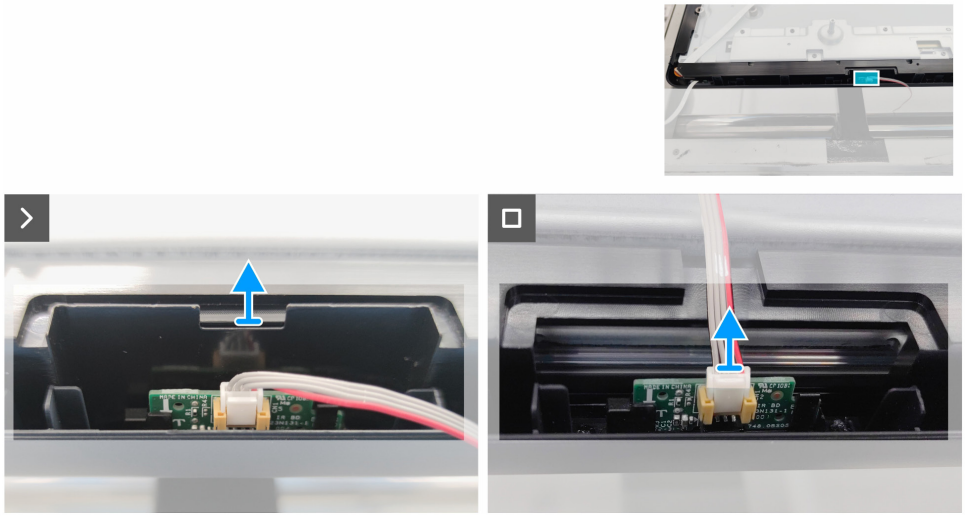

Figure 27. Removing the IR board

Steps

1. Remove the IR bracket from the front bezel.
2. Slide the IR board from the slot on the front bezel.
3. Disconnect the IR cable from the IR board.

Installing the IR board

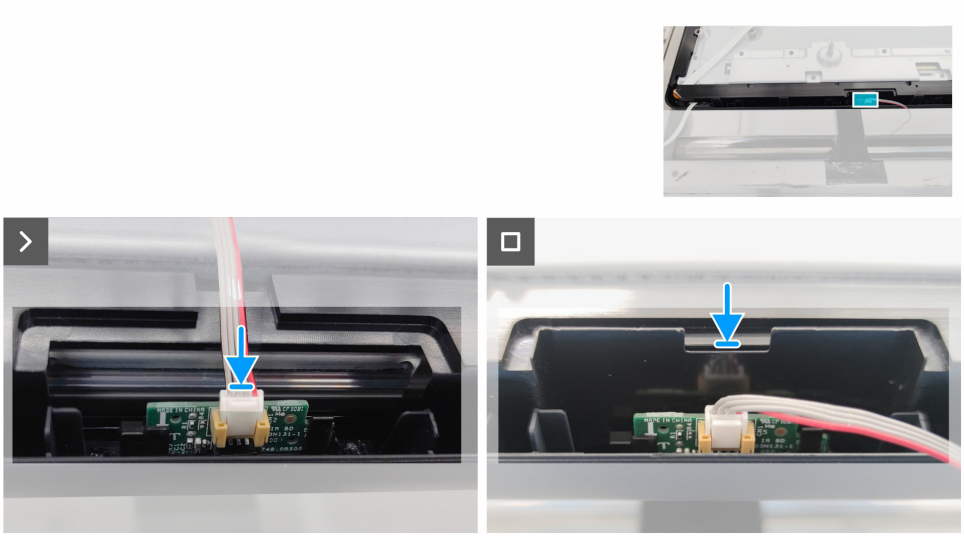

Figure 28. Installing the IR board

Steps

1. Slide and place the IR board to the front bezel.
2. Connect the IR cable to the IR board.
3. Replace the IR bracket to the front bezel.

Next steps

1. Install the touch board.
2. Install the front bezel.
3. Install the main board.
4. Install the USB board.
5. Install the power board.
6. Install the AC socket module.
7. Install the T-CON board.
8. Install the driver board.
9. Install the speakers.
10. Install the power key board.
11. Install the back cover.
12. Install the handles.
13. Install the Dell Pro Micro holder.
14. Follow the procedure in After working inside your monitor.

LED board

Removing the LED board

Prerequisites

1. Follow the procedure in Before working inside your monitor.
2. Remove the Dell Pro Micro holder.
3. Remove the handles.
4. Remove the back cover.
5. Remove the power key board.
6. Remove the speakers.
7. Remove the driver board.
8. Remove the T-CON board.
9. Remove the AC socket module.
10. Remove the power board.
11. Remove the USB board.
12. Remove the main board.
13. Remove the front bezel.
14. Remove the touch board.
15. Remove the IR board.

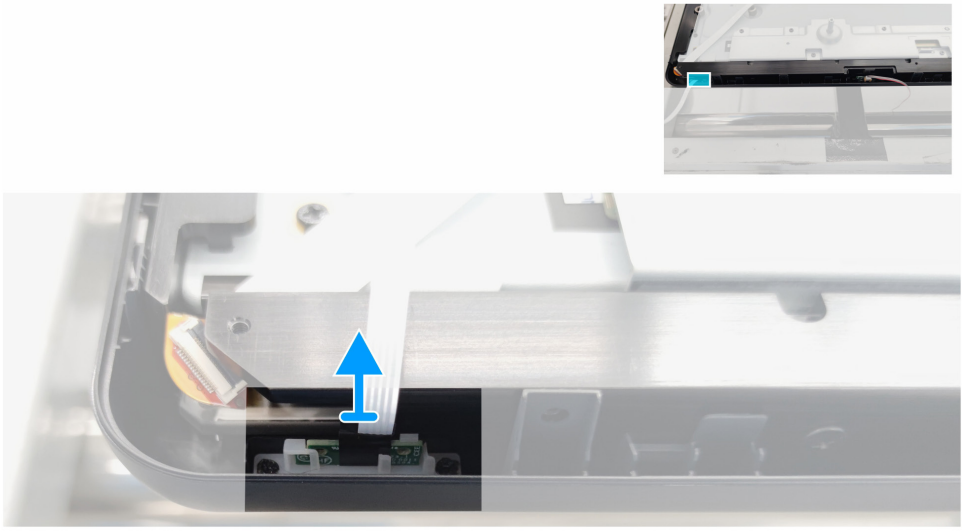

Figure 29. Removing the LED board

Steps

1. Remove the LED board from the slot on the front bezel.

Installing the LED board

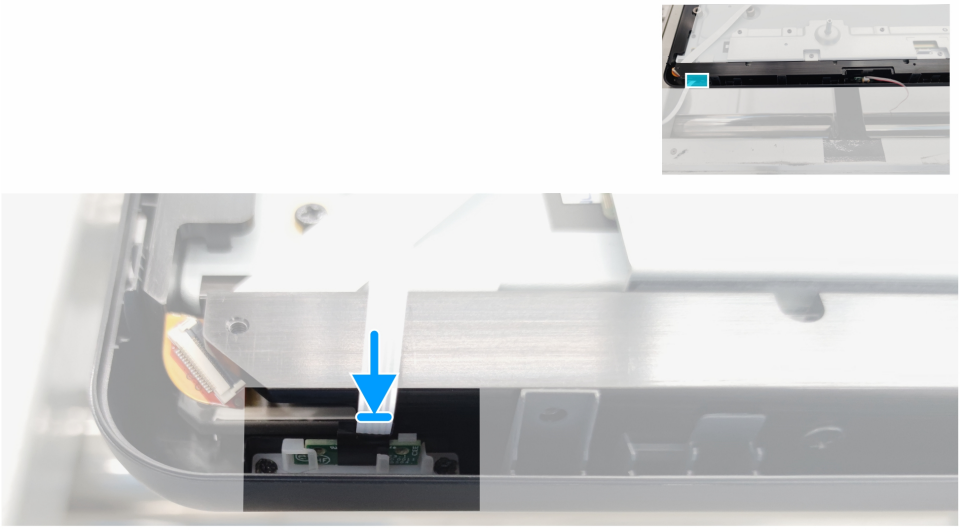

Figure 30. Installing the LED board

Steps

1. Replace the LED board to the slot on the front bezel.

Next steps

1. Install the IR board.
2. Install the touch board.
3. Install the front bezel.
4. Install the main board.
5. Install the USB board.
6. Install the power board.
7. Install the AC socket module.
8. Install the T-CON board.
9. Install the driver board.
10. Install the speakers.
11. Install the power key board.
12. Install the back cover.
13. Install the handles.
14. Install the Dell Pro Micro holder.
15. 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 about your purchase invoice, packing slip, bill, or Dell product catalog.