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Acer LED-1366-768-G-40-14.0-SLIM-U-EE7105

Acer LK.14005.011 14.0-inch WXGA HD LED Laptop LCD Screen Replacement Manual

Model: LED-1366-768-G-40-14.0-SLIM-U-EE7105

1. Introduction

This manual provides essential information and guidelines for the installation, operation, and maintenance of your Acer LK.14005.011 14.0-inch WXGA HD LED Laptop LCD Screen. Please read these instructions carefully before proceeding with any installation or handling to ensure proper function and to prevent damage.

Safety Warning: Laptop screen replacement involves working with delicate electronic components and can be complex. Improper installation may lead to damage to the screen, laptop, or personal injury. It is highly recommended that installation be performed by a qualified technician.

2. Product Overview

The Acer LK.14005.011 is a 14.0-inch WXGA (1366x768) HD LED-backlit LCD screen designed as a compatible replacement for various laptop models. This screen is manufactured to meet specific display requirements, ensuring a clear and vibrant visual experience once correctly installed.

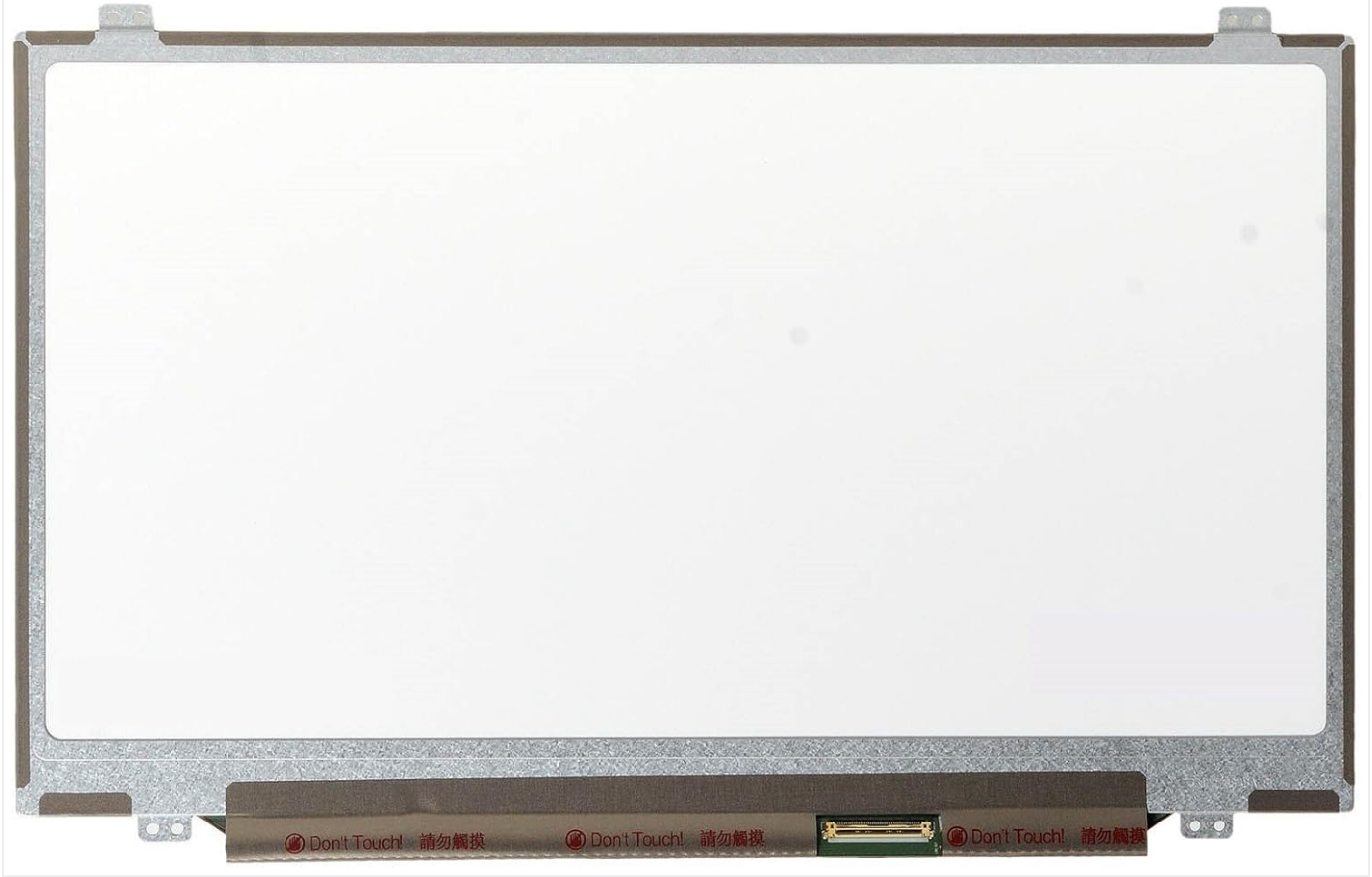


Figure 2.1: Front view of the Acer 14.0-inch WXGA HD LED Laptop LCD Screen. This image displays the display surface and the bottom edge where the connector is typically located.

3. Important Compatibility Information

To ensure proper functionality and avoid incompatibility issues, it is crucial to verify that this replacement screen matches your original laptop screen's specifications. Key parameters to confirm include:

- **Screen Size:** 14.0 inches
- **Resolution:** WXGA (1366x768)
- **Backlight Type:** LED
- **Video Signal Connection:** 40-pin

Note: Screen size cannot be upgraded. You must confirm that this screen matches your laptop's original screen in size, backlight type, and resolution before purchase. Returns due to improper installation or incompatibility may not be accepted.

4. Installation Guidelines

The installation of a laptop LCD screen requires precision and technical knowledge. It is strongly recommended to seek professional assistance for this procedure.

4.1 General Steps (for reference only; professional installation advised)

1. **Power Off and Disconnect:** Completely power down your laptop and disconnect it from all power sources, including removing the battery.
2. **Disassembly:** Carefully disassemble the laptop bezel and frame surrounding the screen. Refer to your specific laptop model's service manual for detailed instructions.
3. **Disconnect Old Screen:** Gently disconnect the video cable (40-pin connector) from the back of the old screen. Be

extremely careful not to damage the connector or the cable.

4. **Remove Old Screen:** Remove any screws or adhesive holding the old screen in place.
5. **Install New Screen:** Position the new Acer LK.14005.011 screen.
6. **Connect Video Cable:** Carefully connect the 40-pin video signal cable to the new screen's connector. Ensure it is seated firmly and correctly.

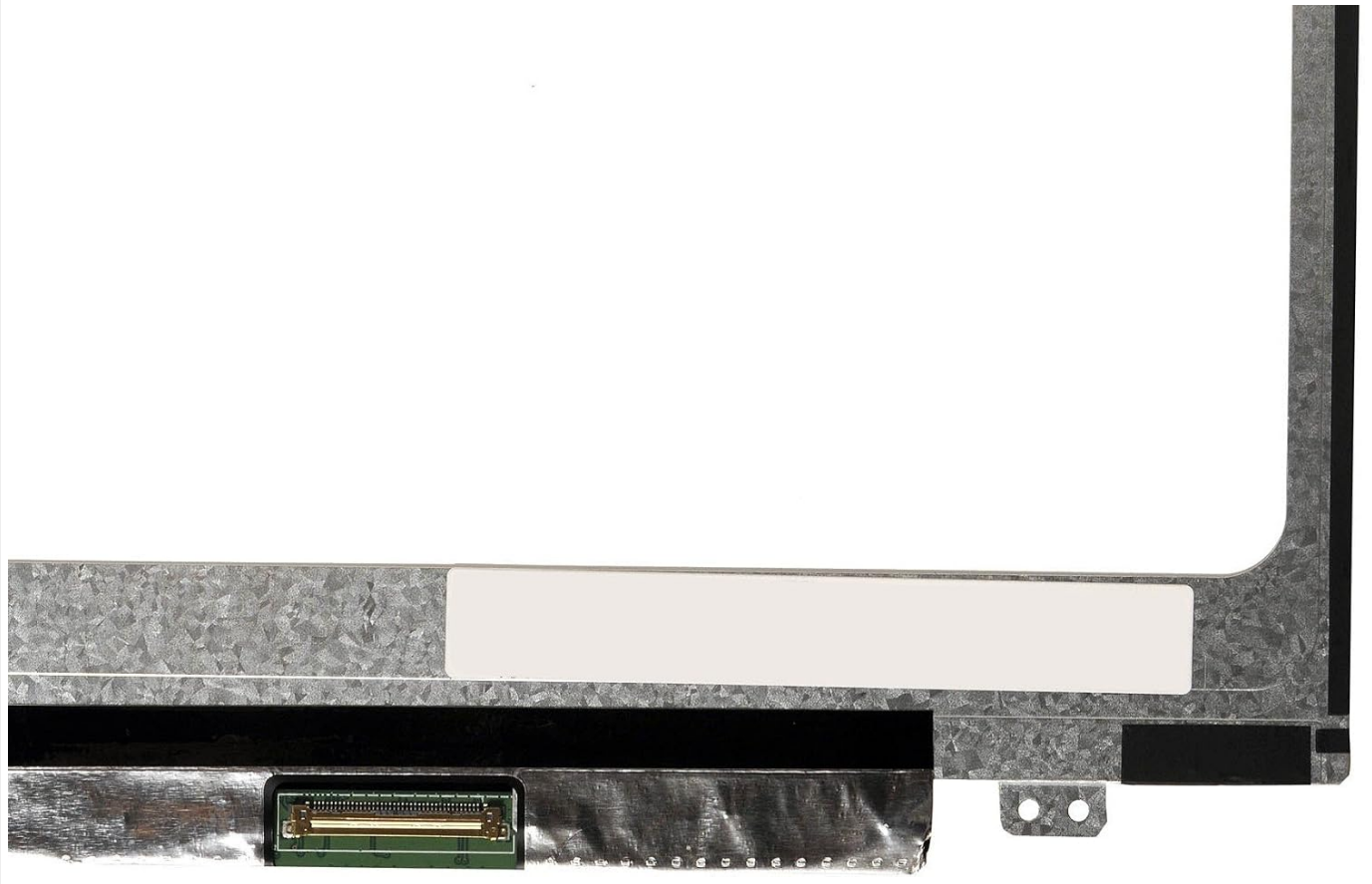


Figure 4.1: Close-up view of the 40-pin video signal connector. This connector must be handled with extreme care during installation to prevent damage.

7. **Secure Screen:** Secure the new screen with screws or adhesive as per your laptop's design.
8. **Reassembly:** Reassemble the laptop bezel and frame.
9. **Test:** Reconnect the battery and power adapter, then power on the laptop to test the new screen.

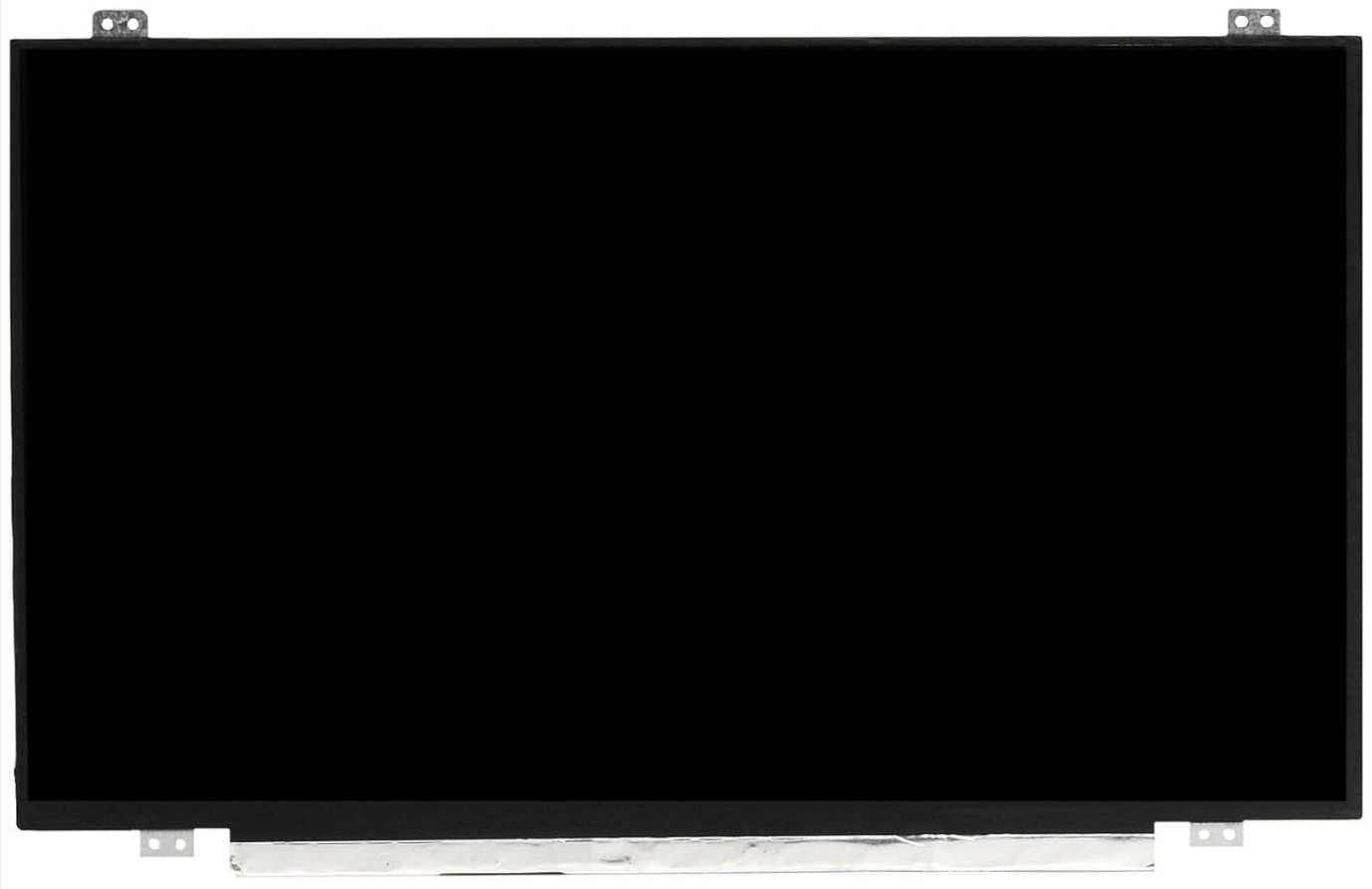


Figure 4.2: Back view of the Acer 14.0-inch WXGA HD LED Laptop LCD Screen. This view shows the rear casing, circuit board, and typical mounting points for installation into a laptop chassis.

5. Operation

Once correctly installed, the Acer LK.14005.011 LCD screen functions as the primary display for your laptop. No specific operational steps are required for the screen itself beyond its proper installation.

- **Display Settings:** You can adjust display settings such as brightness, contrast, and resolution through your laptop's operating system display settings.
- **External Displays:** If using external monitors, ensure your laptop's display output settings are configured correctly.

6. Maintenance

Proper maintenance helps prolong the life and maintain the clarity of your LCD screen.

- **Cleaning:** Use a soft, lint-free microfiber cloth to gently wipe the screen surface. For stubborn smudges, lightly dampen the cloth with water or a screen-specific cleaning solution. Never spray liquid directly onto the screen.
- **Avoid Harsh Chemicals:** Do not use alcohol, ammonia-based cleaners, or abrasive materials, as these can damage the screen coating.
- **Handling:** Avoid touching the screen surface with sharp objects or applying excessive pressure, which can cause pixel damage or cracks.
- **Storage:** If the screen is not immediately installed, store it in its original protective packaging in a cool, dry place away from direct sunlight and extreme temperatures.

7. Troubleshooting

If you encounter issues after installing the new screen, consider the following common problems and potential solutions:

- **No Display / Black Screen:**
  - Ensure the video signal cable is securely connected at both the screen and motherboard ends.
  - Verify the laptop is powered on and not in sleep mode.
  - Check if the backlight cable is properly connected (if separate).
- **Flickering Screen:**
  - Check video cable connections for looseness or damage.
  - Update or reinstall graphics drivers.
- **Horizontal or Vertical Lines:**
  - Often indicates a faulty screen or a damaged video cable/connector. Recheck connections.
- **Dim Display / Low Contrast:**
  - Adjust brightness settings in the operating system or using keyboard function keys.
  - Ensure the backlight is functioning correctly.
- **Fuzziness of Picture:**
  - Verify the display resolution is set to the native WXGA (1366x768) in your operating system.
  - Check for loose video cable connections.
- **Physical Damage (Scratches, Cracks, Liquid Spillage):**
  - These issues typically require screen replacement.

If troubleshooting steps do not resolve the issue, it is advisable to consult a professional technician or contact the seller for further assistance.

8. Specifications

Feature	Specification
Model Number	LED-1366-768-G-40-14.0-SLIM-U-EE7105
Screen Size	14.0 inches
Resolution	WXGA (1366x768)
Backlight Type	LED
Video Signal Connection	40-pin
Condition	New, tested before shipping
Manufacturer	Chi Mei (or compatible OEM like Samsung, LG, Chunghwa, Sharp, AUOptronics)
Product Dimensions	12 x 8 x 1.5 inches
Item Weight	11.2 ounces

9. Warranty and Support

For information regarding the warranty period, terms, and conditions for your Acer LK.14005.011 LCD screen, please

refer to the documentation provided by your seller or contact the point of purchase directly. Support for installation or technical issues should first be directed to the professional installer or the seller from whom the product was acquired.

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