

OINUOMMCM-1SET

Generic LED Backlight Strip Set Instruction Manual

Model: OINUOMMCM-1SET

INTRODUCTION

This instruction manual provides detailed guidance for the installation and maintenance of the Generic LED Backlight Strip Set, Model OINUOMMCM-1SET. This product is designed as a replacement backlight solution for compatible 55-inch television models, offering high brightness, energy efficiency, and an extended operating life. Please read this manual thoroughly before proceeding with installation to ensure proper function and safety.

IMPORTANT SAFETY INFORMATION

WARNING: Installation of this product requires technical expertise and involves working with high voltage components. Improper installation can result in electric shock, fire, or damage to the television. If you are not comfortable performing this repair, seek assistance from a qualified technician.

- Always disconnect the television from the power outlet before beginning any repair work.
- Wear appropriate personal protective equipment, including anti-static gloves, to prevent electrostatic discharge (ESD) damage to sensitive electronic components.
- Handle LED strips carefully to avoid bending or damaging the LEDs and their connections.
- Ensure all connections are secure and correctly aligned before reassembling the television.
- Dispose of old components responsibly according to local regulations.

COMPATIBILITY

This LED backlight strip set is compatible with various 55-inch television models. Please verify your TV's model number against the list below to ensure compatibility. The length and LED configuration must match your original backlight strips.

Known Compatible Models:

- UA55MU6990JXXZ
- UA55JU5920

- UE55MU6120
- UE55KU6000
- UN55MU6300G
- UN55KU6300G
- UN55MU6100G
- UN55MU6100F
- UE55MU6192U
- UE55JU6410
- UA55MU6310
- UA55KU6388
- UA55KU6500
- UE55JU6050
- UE55JU6672

Note: This list is not exhaustive. Always compare the physical dimensions and connector types with your original strips before installation.

PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- 1 set of LED Backlight Strips (12 pieces total: 6 'R' strips and 6 'L' strips)

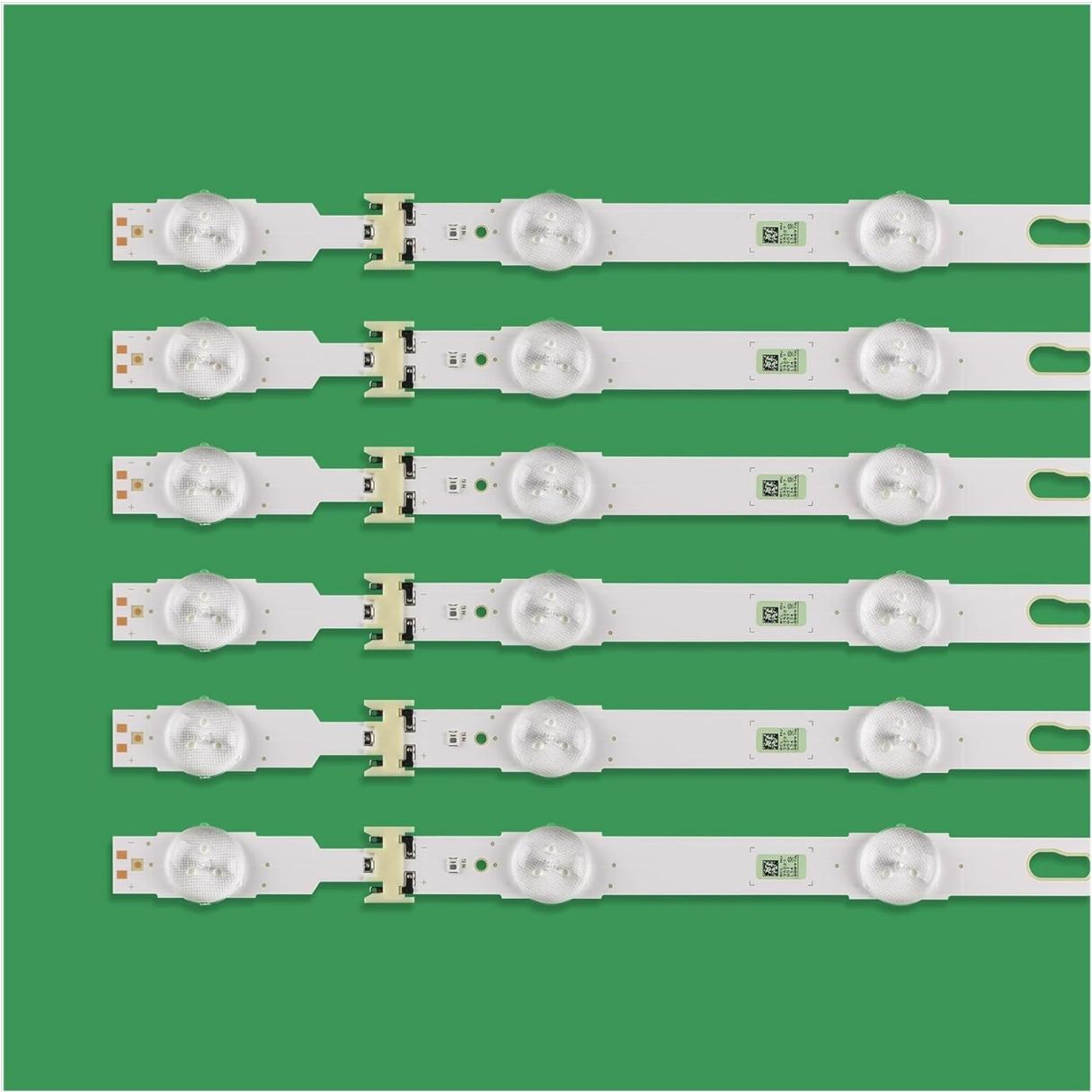


Image: Six 'R' type LED backlight strips, each with multiple LED lenses visible on the front surface.

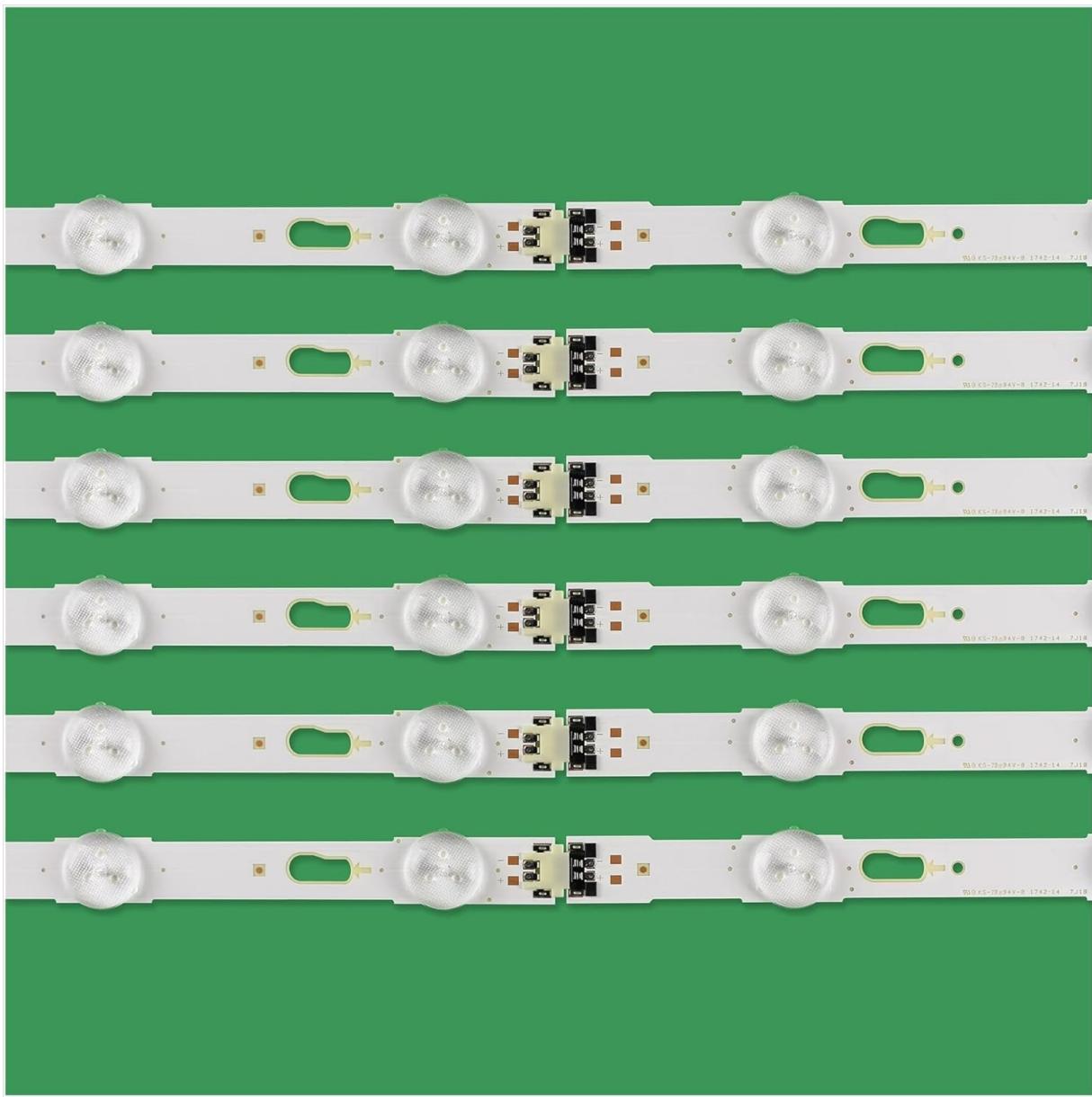


Image: Six 'L' type LED backlight strips, showing the reverse side of the circuit board with connection points and markings.



Image: Close-up view of a single LED backlight strip, focusing on one of the LED lenses and the surrounding circuit board.

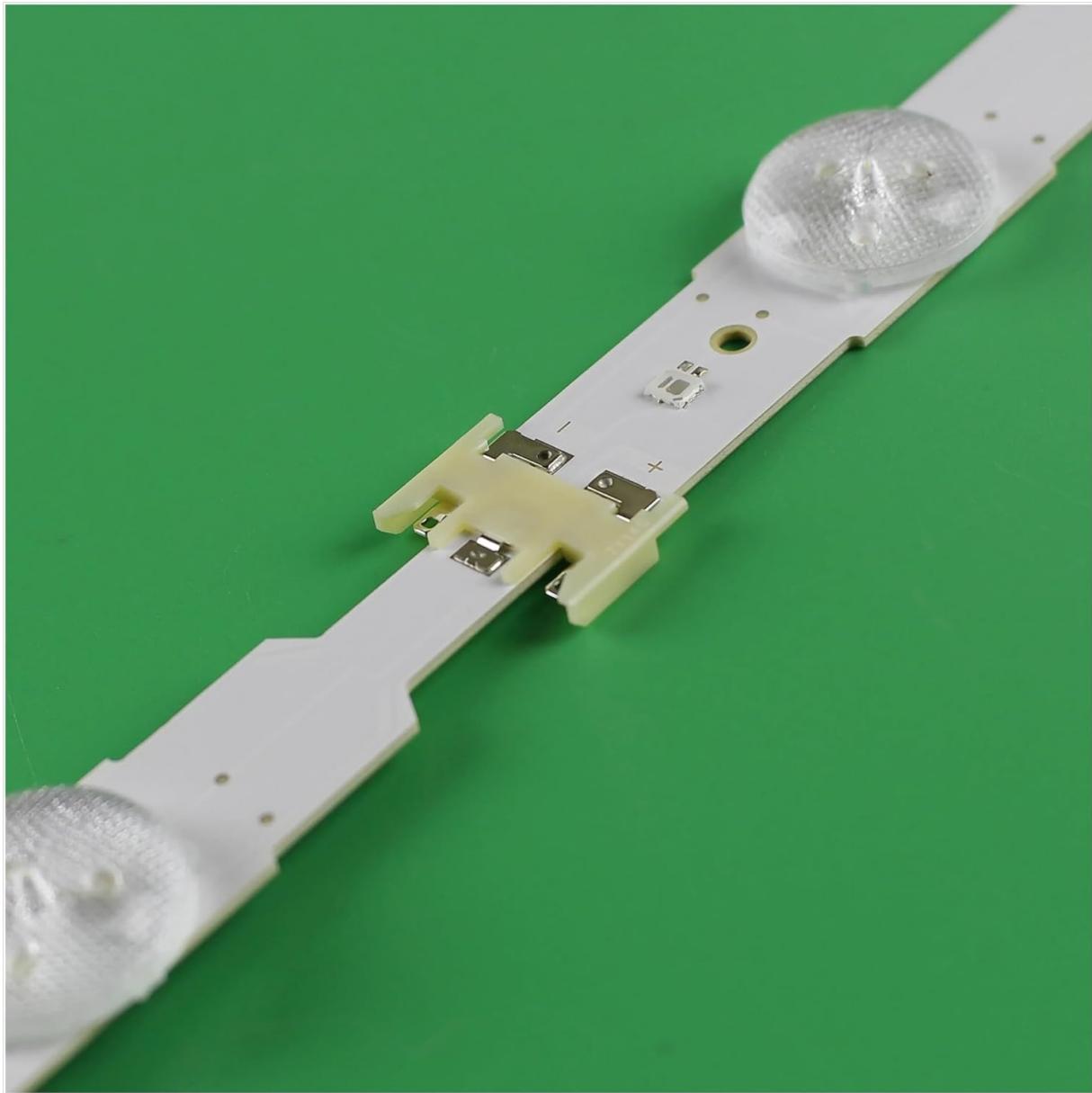


Image: Detailed close-up of the electrical connector on an LED backlight strip, showing the pins and housing.

SPECIFICATIONS

Model Number	OUNUOMMCM-1SET
Total Strips	12 pieces (6 'R' + 6 'L')
Strip Length	1123mm (R+L combined length for a pair)
LED Beads per Strip	14
Individual LED Voltage	3V
Brightness	Up to 700 nits
Operating Life	Typically over 100,000 hours
Power Source	AC (via TV's internal power supply)
Item Weight	800 Grams (approx. 1.76 pounds)

Package Dimensions	23.62 x 3.94 x 3.94 inches
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INSTALLATION INSTRUCTIONS

Replacing LED backlight strips requires careful disassembly and reassembly of the television. Proceed with caution and refer to your specific TV model's service manual for detailed disassembly steps if available. The following are general steps:

1. Preparation:

- Disconnect the TV from all power sources and external devices.
- Place the TV face down on a soft, clean surface to prevent screen damage.
- Gather necessary tools: screwdrivers, plastic prying tools, anti-static mat/gloves.

2. Disassembly:

- Remove the back cover of the TV.
- Carefully disconnect all cables and ribbons connected to the main board, power supply, and T-con board.
- Remove the stand and any other external components.
- Proceed to remove the internal metal shielding and frame components that secure the display panel.
- **Extreme Caution:** Carefully lift and remove the LCD panel and diffuser sheets. These components are fragile and easily damaged. Store them safely in a dust-free environment.

3. Backlight Replacement:

- Once the old backlight strips are exposed, carefully disconnect their power connectors.
- Gently peel off the old strips. Note their exact placement and orientation.
- Clean the metal chassis thoroughly to ensure good adhesion for the new strips.
- Peel the adhesive backing from the new LED strips and carefully align them in the exact positions of the old strips. Ensure the connectors align with the power board.
- Press firmly along the entire length of each strip to secure it.
- Connect the power cables to the new LED strips.

4. Testing (Before Full Reassembly):

- Temporarily reconnect the power supply board and main board.
- Plug in the TV and power it on briefly to confirm the new backlights illuminate correctly.
- Immediately disconnect power after testing.

5. Reassembly:

- Carefully place the diffuser sheets back into their original positions. Ensure they are clean and free of dust.
- Gently lower the LCD panel back into place. Ensure it is perfectly aligned.
- Reinstall all internal frames, shielding, and external covers, reconnecting all cables and screws.

in reverse order of disassembly.

- Ensure no cables are pinched and all connections are secure.

6. Final Test:

- Connect the TV to power and test its full functionality.

OPERATING INFORMATION

The LED backlight strips operate as an integral part of your television's display system. Once correctly installed, they will function automatically when the television is powered on, providing illumination for the LCD panel. No user interaction is required for their operation.

MAINTENANCE

These LED backlight strips are designed for long-term, maintenance-free operation. No routine maintenance is required after installation. To maximize their lifespan:

- Ensure adequate ventilation for your television to prevent overheating.
- Avoid operating the television in excessively high brightness modes for prolonged periods, as this can reduce the lifespan of LED components.
- Keep the television free from dust and moisture.

TROUBLESHOOTING

If you encounter issues after installing the new LED backlight strips, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
No backlight / Dark screen	<ul style="list-style-type: none">• Loose or incorrect power connection to LED strips.• Damaged LED strip during installation.• Faulty power supply board or main board (unrelated to new strips).	<ul style="list-style-type: none">• Recheck all connections to the LED strips and power board.• Inspect strips for physical damage.• Consult a qualified technician for further diagnosis of TV's internal components.
Uneven brightness / Dark spots	<ul style="list-style-type: none">• Improper placement of diffuser sheets.• Damaged individual LEDs on a strip.• Dust or debris between diffuser layers.	<ul style="list-style-type: none">• Carefully re-seat diffuser sheets.• Inspect LED strips for non-illuminating LEDs. Replacement of the affected strip may be necessary.• Clean all internal surfaces before reassembly.

TV not powering on	<ul style="list-style-type: none">• Short circuit during reassembly.• Damage to other TV components during repair.	<ul style="list-style-type: none">• Immediately disconnect power. Recheck all connections and ensure no metal parts are touching where they shouldn't.• This indicates a more serious issue; professional diagnosis is recommended.
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If these steps do not resolve the issue, it is recommended to consult a professional television repair technician.

WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the terms and conditions provided by your retailer at the time of purchase. As this is a generic replacement part, specific manufacturer warranty details may vary. For technical support or further inquiries, please contact the seller or your original point of purchase.