

Wefomey US-3P8MM-22PCS

Wefomey 3-Pin 8mm LED Strip Connectors User Manual

Model: US-3P8MM-22PCS

1. PRODUCT OVERVIEW

The Wefomey 3-Pin 8mm LED Strip Connectors provide a reliable and easy-to-use solution for connecting 8mm wide, 3-pin LED strip lights. These connectors are designed for both waterproof and non-waterproof SMD 3528/2835 LED strips, operating at 5V, 12V, or 24V. They facilitate gapless, solderless connections for various configurations, including straight, L-shape, T-shape, and X-shape layouts.

Key Features:

- **Secure Connection:** Metal pins pierce the LED strip for a stable and full electrical connection.
- **Transparent Design:** Clear cover allows visibility of the connection process and reduces dark areas.
- **Cutable PCB Boards:** Included L, T, and X-shaped PCB boards can be cut to create custom connection shapes.
- **Easy Installation:** Solderless design ensures quick and straightforward setup.
- **Durable Material:** Made from fire-resistant and robust PC material for long-lasting use.

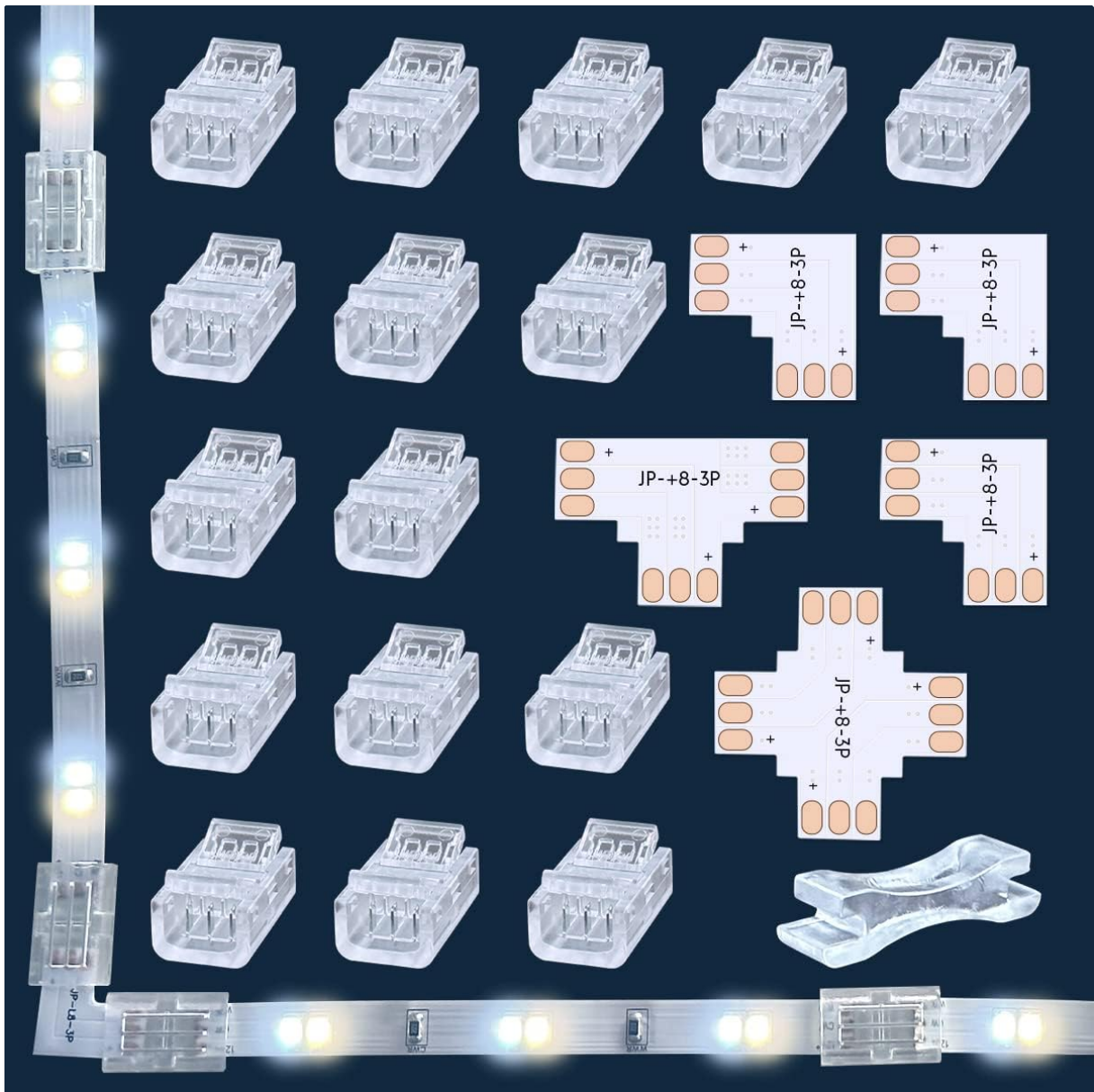


Image 1: Complete Wefomey 3-Pin 8mm LED Strip Connector Kit, showing individual connectors, L, T, and X-shaped PCB boards, and a clip opener.

2. PACKAGE CONTENTS

The package includes the following components:

- 16 x 3-Pin LED strip connector clips
- 3 x L-shape PCB boards
- 1 x T-shape PCB board
- 1 x X-shape PCB board
- 1 x Clip Opener tool

3. COMPATIBILITY

These connectors are designed for specific LED strip types. Ensure your LED strips meet the following criteria for proper functionality:

- **Width:** 8mm wide LED strips only.
- **Pin Configuration:** 3-Pin LED strips only.

- **LED Type:** SMD 3528 or SMD 2835 white LED flexible strip lights.
- **Voltage:** Compatible with 5V, 12V, and 24V systems.
- **Waterproofing:** Suitable for both waterproof and non-waterproof LED strips. For waterproof strips, it is not necessary to peel off the silicone coating.

Important: These connectors are **NOT** suitable for 10mm or 12mm wide strips, or for 2-pin, 4-pin, or 5-pin LED strips.

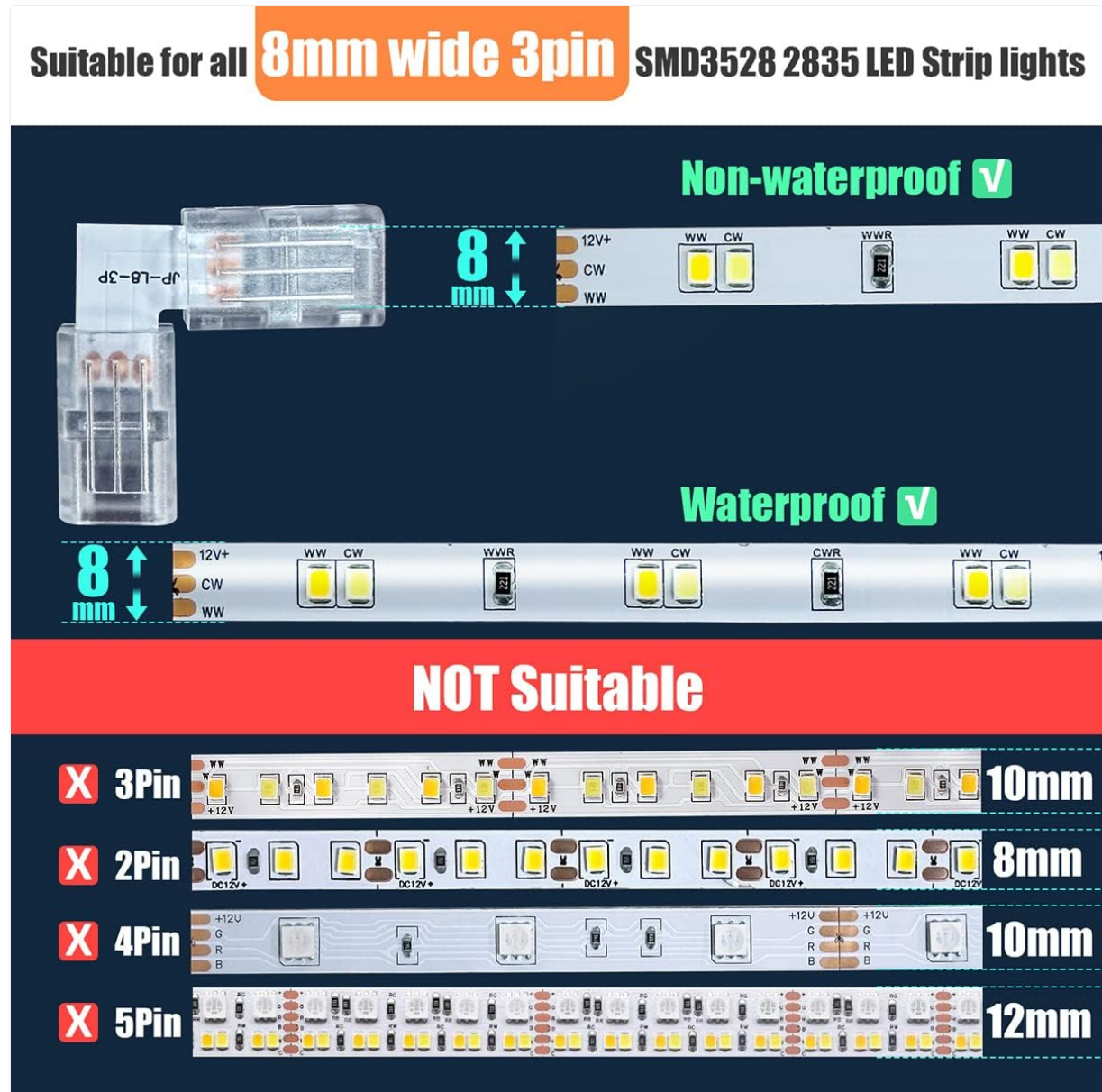


Image 2: Visual guide illustrating compatible 8mm wide, 3-pin LED strips (both waterproof and non-waterproof) and incompatible LED strip types (e.g., 10mm, 12mm, 2-pin, 4-pin, 5-pin).

4. INSTALLATION INSTRUCTIONS

Follow these steps to install the Wefomey LED strip connectors:

1. **Prepare the LED Strip:** If necessary, cut the LED strip along the designated cut mark (usually indicated by a dotted line and a scissor icon). Ensure the cut is clean and straight.
2. **Open the Connector:** Use the provided clip opener tool to gently open the transparent cover of the LED connector clip.
3. **Insert LED Strip:** Slide the end of the LED strip into the connector. Ensure the front side of the light strip is placed on the pointed metal pins inside the connector. Align the '+' polarity mark on the LED

strip with the '+' mark on the connector. The metal pins should puncture the copper contact points on the LED strip.

4. **Close the Connector:** Firmly snap the transparent cover shut. Ensure it is securely closed to establish a stable connection.
5. **Test Connection:** Before final installation, test the connection by powering on the LED strip to confirm proper functionality.
6. **Repeat for Additional Connections:** For L-shape, T-shape, or X-shape connections, insert the appropriate cuttable PCB board into the connector(s) first, then connect the LED strips to the PCB board via the connectors. Ensure all '+' polarities are aligned.

Easy to Install

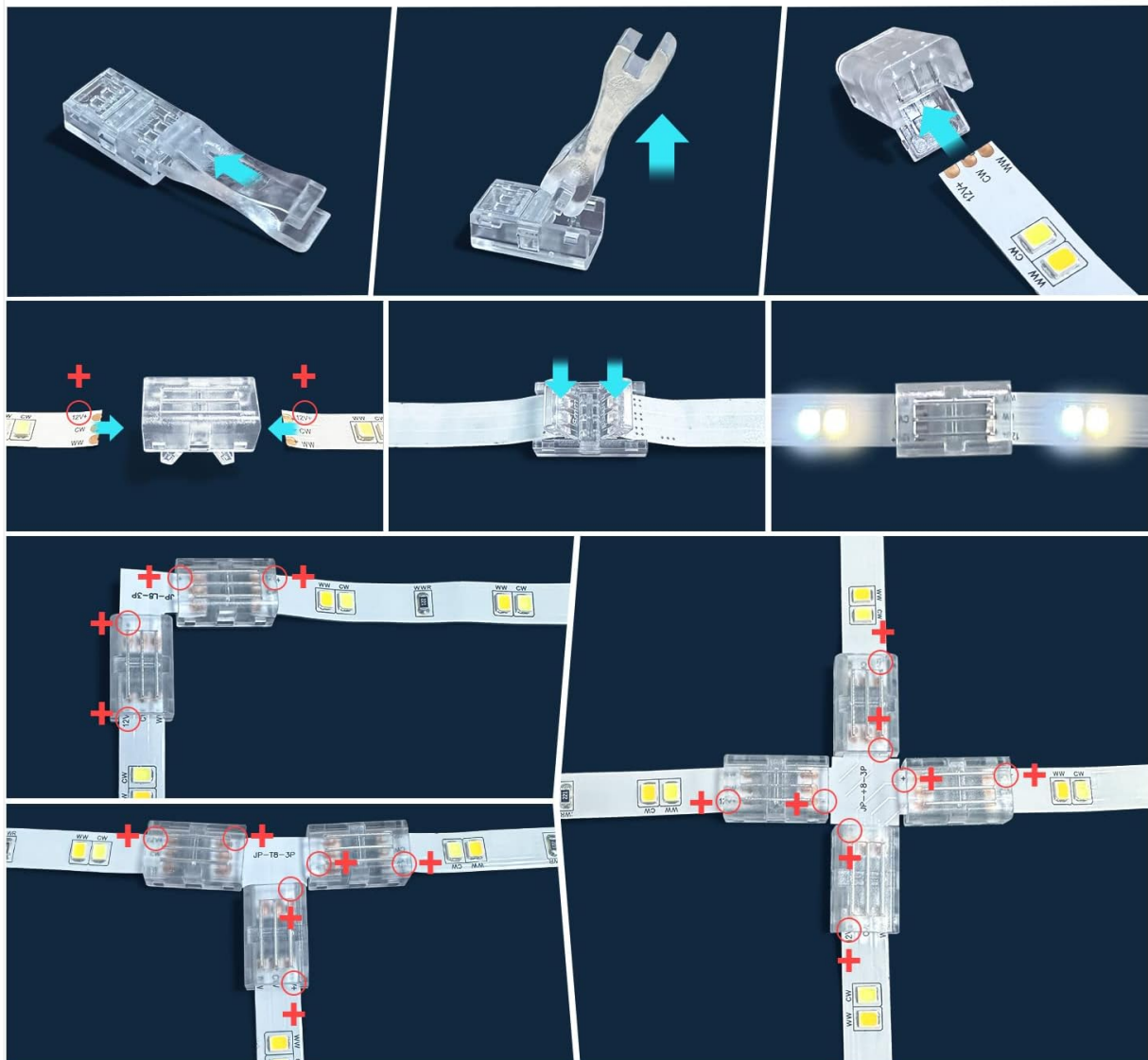


Image 3: Detailed visual instructions for installing the LED strip connectors, including opening the clip, inserting the strip, and closing the clip.

Great for a 4 ways connection



Image 4: Examples of various LED strip configurations using the connectors, including straight, L-shape, T-shape, and X-shape connections in a cabinet setting.

5. PRODUCT DETAILS AND CONSTRUCTION

The Wefomey LED strip connectors are engineered for performance and durability:

- **Foot Pin:** Designed for secure contact with the LED strip's copper pads.
- **Copper Wire:** High-conductivity copper ensures efficient power transfer.
- **Transparent PP Material:** The main body is constructed from transparent, fire-resistant Polypropylene (PP) material, offering both safety and visual confirmation of the connection.

Product Details



Transparent



Environmental
Protection Material



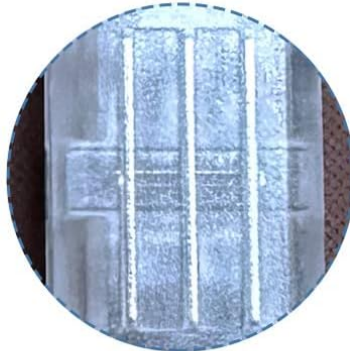
Durable



Easy to Install



Foot Pin



Copper Wire



Transparent PP Material

Image 5: Close-up view of the connector's internal components, highlighting the foot pin, copper wire, and the transparent PP material construction.

6. MAINTENANCE

These LED strip connectors require minimal maintenance. To ensure optimal performance and longevity:

- Keep connectors clean and free from dust or debris.
- Avoid exposing connectors to excessive moisture or extreme temperatures beyond their intended operating environment.
- Periodically check connections for tightness, especially in areas subject to vibration or movement.

7. TROUBLESHOOTING

If your LED strip lights are not functioning correctly after installation, consider the following:

- **No Light:**
 - Ensure the power supply is connected and functioning.
 - Verify that the LED strip is inserted correctly into the connector, with the metal pins making proper contact with the copper pads.
 - Check the polarity ('+' alignment) of the LED strip within the connector.

- Confirm the connector clip is fully closed and secured.
 - Inspect the LED strip for any damage or incorrect cuts.
- **Flickering Lights or Intermittent Connection:**
 - Re-open and re-secure the connector clip to ensure a tight connection.
 - Check for any debris or obstruction preventing full contact between the pins and the LED strip.
 - Ensure the LED strip is fully inserted and aligned.
- **Incorrect Color/Brightness (if applicable to your LED strip):**
 - While these connectors are for 3-pin white LED strips, if you are using them with compatible multi-color strips (e.g., RGBW with a common positive), ensure all pins are making proper contact.

If issues persist, carefully re-read the installation instructions and ensure all compatibility requirements are met.

8. SPECIFICATIONS

Brand	Wefomey
Model Number	US-3P8MM-22PCS
Compatible LED Strip Width	8mm
Compatible LED Strip Pins	3-Pin
Compatible LED Strip Type	SMD 3528 / SMD 2835 (White LED)
Voltage Compatibility	5V / 12V / 24V
Material	Fire-resistant PC (Polycarbonate)
Item Weight	0.634 ounces (approx. 18 grams)
Package Dimensions	5.39 x 3.03 x 0.67 inches

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Wefomey LED Strip Connectors, please refer to the product packaging or contact Wefomey customer service directly. Contact details are typically available on the manufacturer's official website or through the retailer where the product was purchased.