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User Manual

### RXCWWZQQ TP.MT5510.PB781 (32D1200, 49A600)

## User Manual: TP.MT5510.PB781 TV Motherboard

Model: TP.MT5510.PB781 (Compatible with 32D1200, 49A600)

Brand: RXCWWZQQ

### INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the RXCWWZQQ TP.MT5510.PB781 TV Motherboard. This board is designed as a replacement part for compatible television models, including 32D1200 and 49A600, aiming to restore normal TV functionality and extend its lifespan. Please read this manual thoroughly before proceeding with any installation or repair to ensure safe and correct usage.

### SAFETY INFORMATION

Working with electronic components requires caution. Adhere to the following safety guidelines:

- **Disconnect Power:** Always ensure the television is unplugged from the power outlet before beginning any work.
- **Static Electricity:** Discharge any static electricity from your body by touching a grounded metal object before handling the motherboard. Consider using an anti-static wrist strap.
- **Handle with Care:** Hold the motherboard by its edges to avoid touching components or connectors directly.
- **Proper Tools:** Use appropriate tools for disassembly and reassembly to prevent damage to the TV or the motherboard.
- **Professional Assistance:** If you are unsure about any step, seek assistance from a qualified technician.

### PRODUCT OVERVIEW

The TP.MT5510.PB781 is a versatile TV motherboard designed to integrate various functions required for television operation. It includes processing units, memory, input/output ports, and power management circuitry.

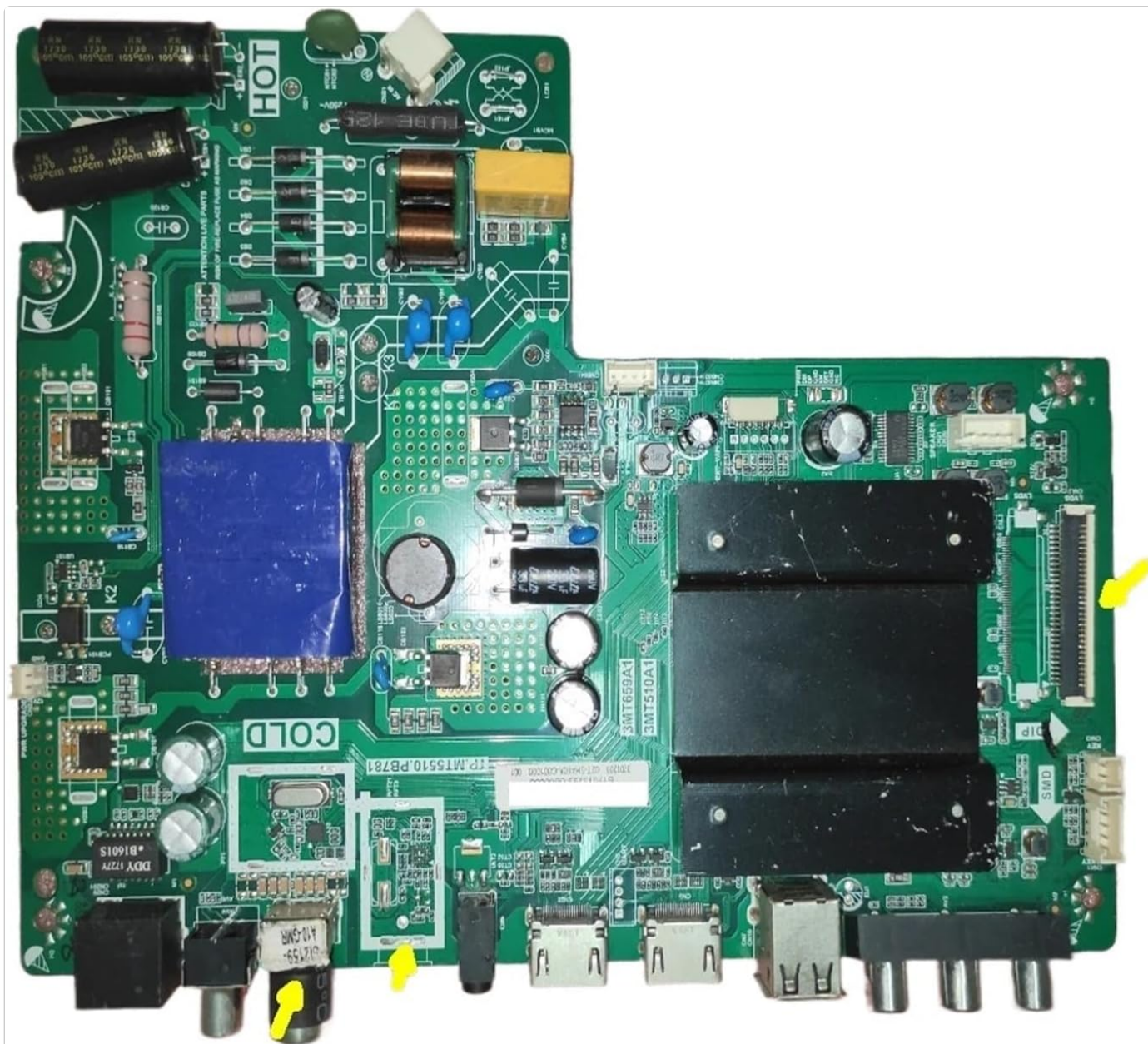


Figure 1: Overall view of the TP.MT5510.PB781 TV motherboard, showing various components and connectors. Note the "HOT" and "COLD" sections indicating power separation.

## Identifying Your Motherboard Model

Ensure you have the correct motherboard model for your TV. The model number TP.MT5510.PB781 is typically printed on a label on the board. Specific variants like 32D1200 or 49A600 may also be indicated.

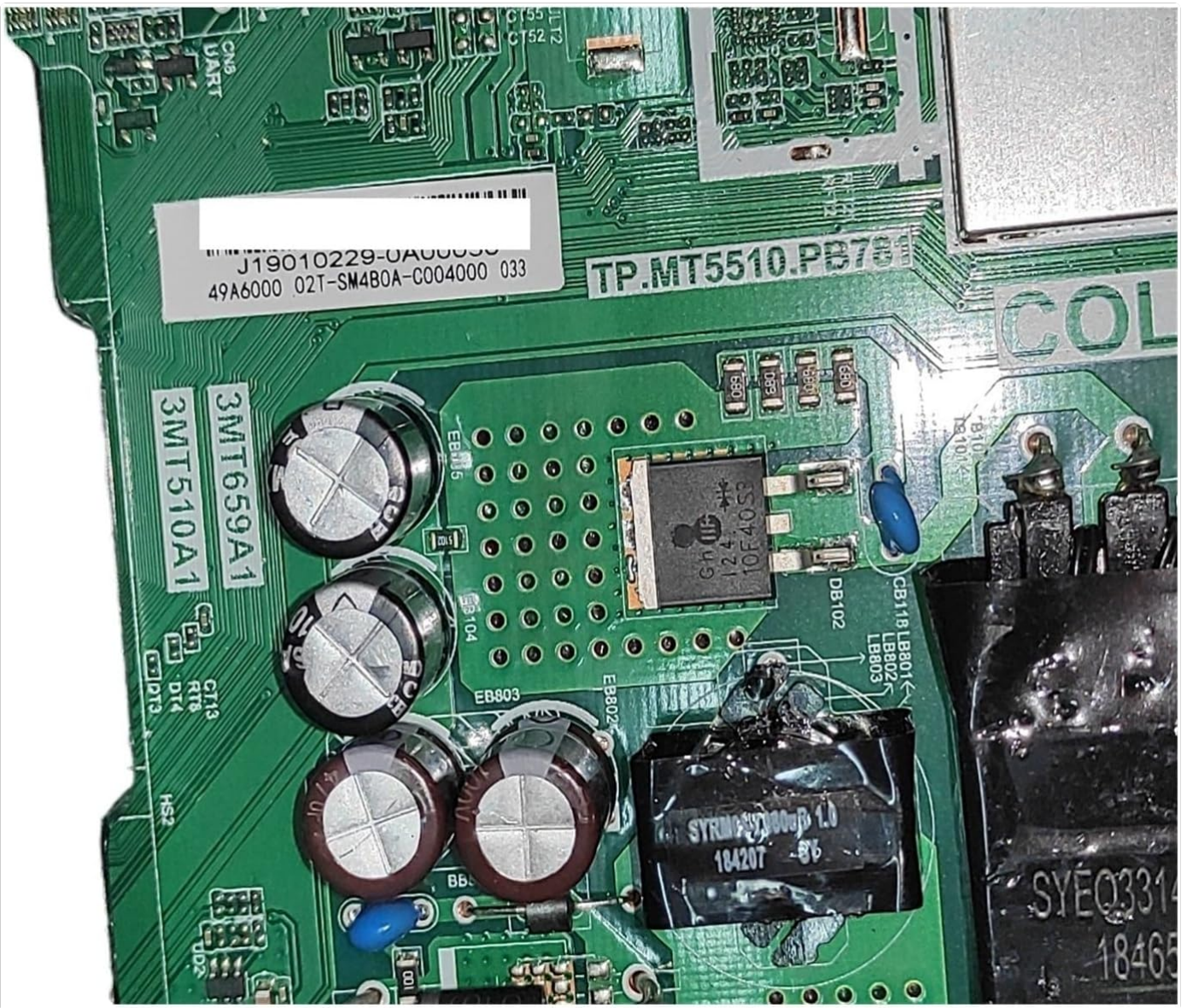


Figure 2: Close-up view of the TP.MT5510.PB781 label, confirming the main model number and other identifiers like 3MT659A1 and 3MT510A1.

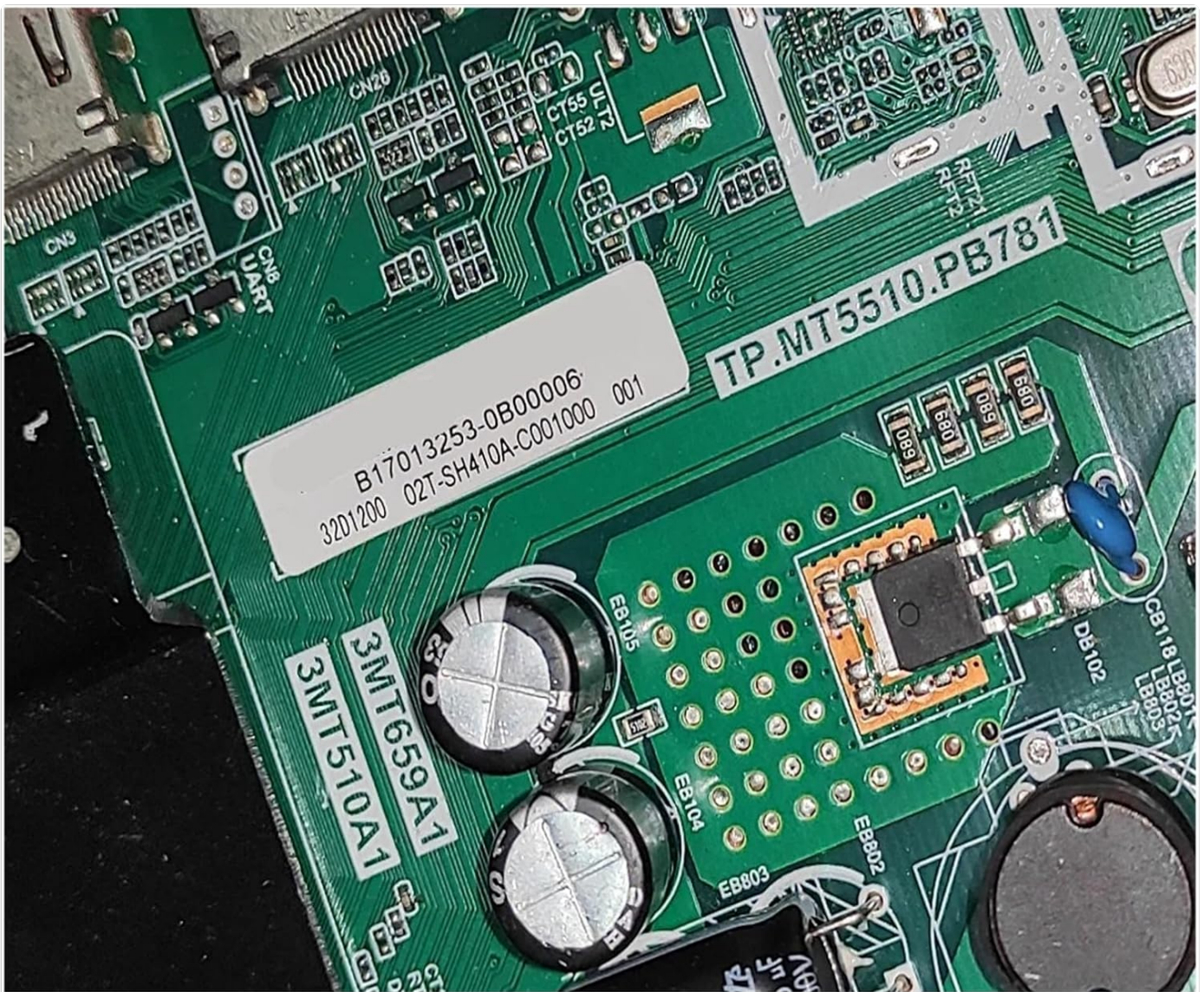


Figure 3: Close-up view of a variant label, showing "32D1200" and "TP.MT5510.PB781", indicating compatibility for specific TV models.

## SETUP AND INSTALLATION

Follow these steps carefully to replace your TV's motherboard. Ensure all safety precautions are observed.

1. **Prepare the TV:** Unplug the TV from the power outlet. Place it on a soft, clean surface to prevent scratches, preferably face down.
2. **Access the Interior:** Remove the back cover of the TV. This usually involves unscrewing several screws around the perimeter and sometimes in the center. Keep track of screw locations.
3. **Locate and Disconnect Old Motherboard:** Identify the existing motherboard. Carefully disconnect all cables connected to it, including power cables, ribbon cables (LVDS), and input/output cables. Take photos before disconnecting to aid reassembly.
4. **Remove Old Motherboard:** Unscrew the old motherboard from the TV chassis. Gently lift it out, ensuring no cables or components are snagged.
5. **Install New Motherboard:** Carefully place the new TP.MT5510.PB781 motherboard into the TV chassis, aligning it with the screw holes. Secure it with the screws removed earlier.
6. **Reconnect Cables:** Reconnect all cables to the new motherboard. Refer to the photos taken in step 3 to ensure correct placement. Pay special attention to the orientation of ribbon cables.
7. **Initial Test (Optional but Recommended):** Before fully reassembling, you may perform a quick power-on test to ensure the TV powers up and displays an image. Do not touch any internal components while powered.
8. **Reassemble TV:** Carefully replace the back cover of the TV and secure all screws.

## OPERATION

After successful installation, plug the TV back into the power outlet. The TV should power on normally. Verify the following:

- **Power Indicator:** The TV's power indicator light should illuminate.
- **Display:** The screen should display a picture (e.g., brand logo, no signal message).
- **Sound:** If connected to an input source, verify sound output.
- **Input Functionality:** Test various input ports (HDMI, USB, AV) to ensure they are working correctly.

## MAINTENANCE

The TP.MT5510.PB781 motherboard is designed for long-term reliability. Minimal maintenance is required:

- **Dust Prevention:** Keep the TV's ventilation openings clear to prevent dust buildup, which can lead to overheating.
- **Environmental Conditions:** Operate the TV in a well-ventilated area, away from excessive heat, humidity, or direct sunlight.
- **Physical Handling:** Avoid dropping or subjecting the TV to physical shocks, as this can damage internal components.

## TROUBLESHOOTING

If you encounter issues after installing the motherboard, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
TV does not power on.	Loose power cable connection; faulty power supply unit (PSU) not related to motherboard; incorrect installation.	Ensure power cable is securely connected. Verify TV outlet is working. Recheck all connections to the motherboard.
No picture, but sound is present.	Loose LVDS cable (display cable); faulty backlight or T-Con board (not part of motherboard).	Check the LVDS cable connection between the motherboard and the display panel. Ensure it is seated correctly.
No sound, but picture is present.	Loose speaker connection; incorrect audio settings; external audio device issue.	Verify speaker cable connections. Check TV audio settings. Test with different input sources.
TV powers on but shows no signal.	Incorrect input source selected; faulty input device/cable.	Ensure the correct input source is selected on the TV. Test with a known working input device and cable.

## SPECIFICATIONS

Feature	Detail
Model Number	TP.MT5510.PB781
Compatible Audio & Video Equipment Style	Display Equipment (TVs)
Compatible Models	32D1200, 49A600 (and others, contact seller for verification)

Feature	Detail
Package Dimensions	0.39 x 0.39 x 0.39 inches
Item Weight	1.76 ounces
Manufacturer	linlin123 (Brand: RXCWWZQQ)
Country of Origin	China
Assembly Required	No (refers to the board itself, installation into TV is required)
Number of Pieces	1

## WARRANTY AND SUPPORT

This product is typically covered by a return policy. For specific warranty details, technical support, or inquiries about compatibility with other TV models, please contact the seller directly through the platform where the purchase was made. The seller, linlin123, provides support for this product.

**Return Policy:** A 30-day refund/replacement policy is generally available from the date of purchase. Refer to your purchase details for exact terms.



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