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› AUX Air Conditioning Computer Board Motherboard KFR-35GW/BPZA Circuit Board SX-SAKAVBBP-M37546 Controller User Manual

FKFGBB KFR-35GW/BPZA, SX-SAKAVBBP-M37546

User Manual: FKFGBB Compatible with AUX Air Conditioning Computer Board Motherboard

Model: KFR-35GW/BPZA, SX-SAKAVBBP-M37546

1. PRODUCT OVERVIEW

This document serves as a comprehensive guide for the FKFGBB Compatible with AUX Air Conditioning Computer Board Motherboard, specifically models KFR-35GW/BPZA and SX-SAKAVBBP-M37546. This high-quality inverter air conditioner motherboard is designed for stability, featuring resistance to dust, moisture, and corrosion. It incorporates intelligent temperature control with precise algorithms for fast temperature adjustment, powerful cooling, and efficient operation through frequency conversion technology. The use of durable materials ensures long-term reliability and helps prevent damage from high temperature or pressure, thereby extending the service life of the air conditioning unit.

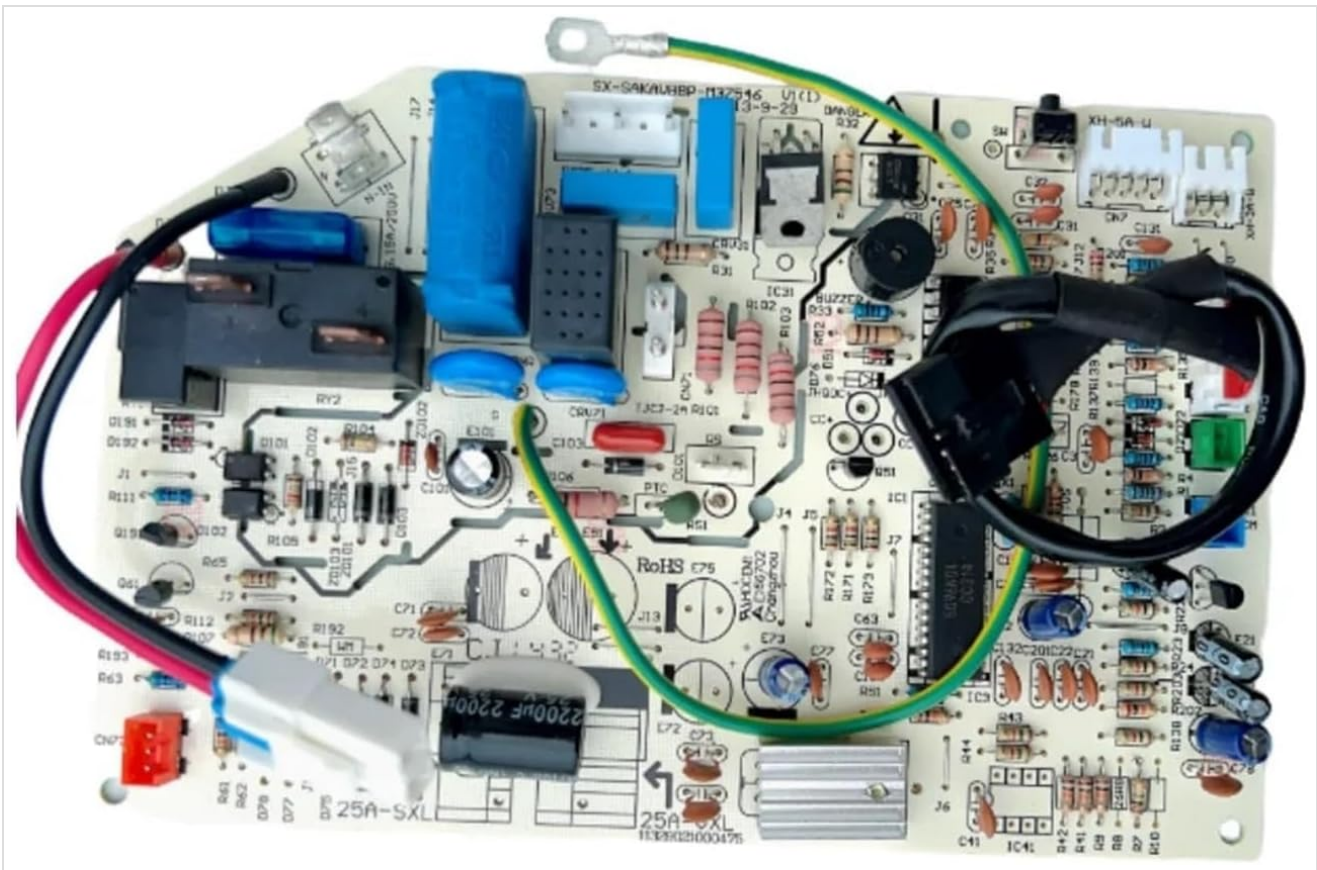


Figure 1.1: Top-down view of the AUX Air Conditioning Computer Board Motherboard (Model KFR-35GW/BPZA, SX-SAKAVBBP-M37546).

2. SAFETY INFORMATION

Before handling or installing the motherboard, please read and understand the following safety precautions. Failure to comply may result in personal injury, damage to the product, or damage to the air conditioning unit.

- **Professional Installation Required:** Installation of this component should only be performed by qualified and certified technicians. Improper installation can lead to electrical hazards, system malfunction, or permanent damage.
- **Power Disconnection:** Always ensure that the main power supply to the air conditioning unit is completely disconnected and locked out before attempting any installation, removal, or maintenance of the motherboard. Verify zero voltage before proceeding.
- **Electrostatic Discharge (ESD) Precautions:** Electronic components are sensitive to static electricity. Use an anti-static wrist strap and work on an anti-static mat to prevent ESD damage. Avoid touching the pins or circuit traces directly.
- **Handle with Care:** The motherboard contains delicate components. Handle it by the edges and avoid bending or dropping it.
- **Environmental Conditions:** Ensure the installation environment is dry and free from excessive dust or moisture.

3. SETUP AND INSTALLATION

This section provides general guidelines for the installation of the AUX Air Conditioning Computer Board Motherboard. Due to the complexity and specific requirements of air conditioning systems, it is imperative that installation is performed by a professional technician.

1. **Preparation:** Ensure the air conditioning unit is powered off and disconnected from the main power supply. Gather necessary tools, including screwdrivers, pliers, and anti-static equipment.
2. **Access the Existing Motherboard:** Carefully open the air conditioning unit's housing to gain access to the existing computer board. Note the location and orientation of all connectors and cables. It is recommended to take photographs for reference.
3. **Disconnect Cables:** Systematically disconnect all cables and connectors from the old motherboard. Pay close attention to their labels and positions.
4. **Remove Old Motherboard:** Unscrew or unclip the old motherboard from its mounting points.
5. **Install New Motherboard:** Carefully place the new FKFGBB motherboard (KFR-35GW/BPZA, SX-SAKAVBBP-M37546) into position, ensuring it aligns with the mounting holes. Secure it with the appropriate screws or clips.
6. **Reconnect Cables:** Reconnect all cables and connectors to the new motherboard, ensuring they are securely seated in their correct ports. Refer to your photographs or the unit's wiring diagram if necessary.
7. **Close Unit:** Once all connections are verified, carefully close and secure the air conditioning unit's housing.
8. **Power On and Test:** Reconnect the main power supply to the air conditioning unit. Perform a functional test to ensure the unit operates correctly and the new motherboard is functioning as expected.

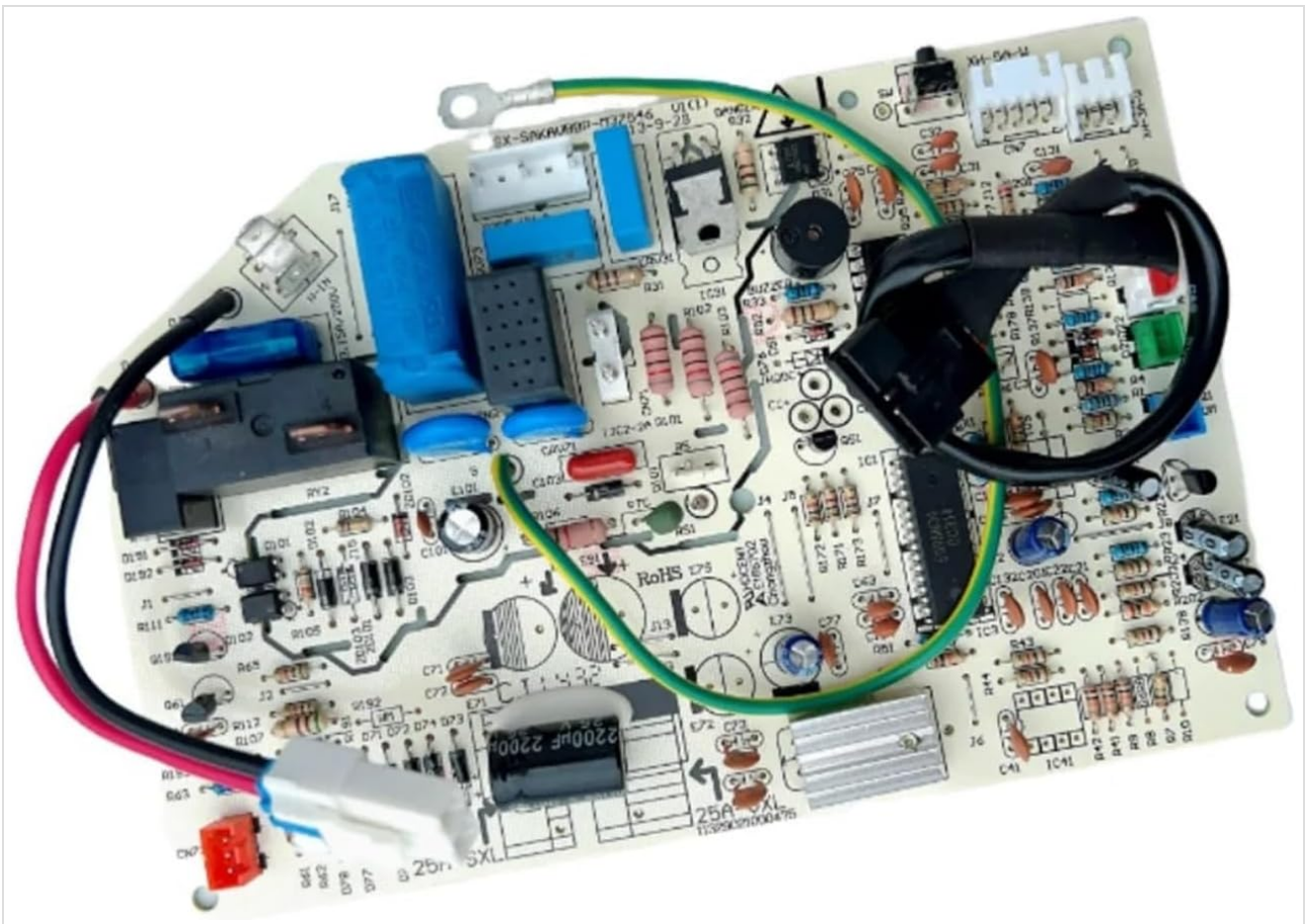


Figure 3.1: Angled view of the AUX Air Conditioning Computer Board Motherboard, showing component layout.

4. OPERATING PRINCIPLES

The FKFGGB AUX Air Conditioning Computer Board Motherboard (KFR-35GW/BPZA, SX-SAKAVBBP-M37546) serves as the central control unit for compatible AUX air conditioning systems. Its primary functions include:

- **Intelligent Temperature Control:** Utilizes high-quality components and precise algorithms to monitor and adjust room temperature rapidly and accurately.
- **Frequency Conversion Technology:** Manages the compressor's speed and power consumption through frequency conversion, leading to more efficient operation, reduced energy consumption, and precise temperature maintenance.
- **System Management:** Oversees the operation of various air conditioning components, including fans, valves, and sensors, to ensure coordinated and optimal performance.
- **Error Detection:** Incorporates internal diagnostics to detect and report system errors, aiding in troubleshooting.

As a core component, its operation is integrated within the air conditioning unit's overall system, responding to user inputs from the remote control or control panel to regulate the indoor climate.

5. MAINTENANCE

Proper maintenance of the motherboard and the air conditioning unit it controls can extend its lifespan and ensure continued optimal performance. Maintenance should only be performed by qualified personnel.

- **Regular Cleaning:** Periodically, and with the power disconnected, inspect the motherboard for dust accumulation. Use a soft brush or compressed air to gently remove dust from the surface and between components. Avoid using liquids or abrasive cleaners.
- **Environmental Control:** Ensure the air conditioning unit's environment remains free from excessive moisture, extreme temperatures, and corrosive substances, as the motherboard is designed with moisture and corrosion resistance but prolonged exposure can still cause damage.
- **Component Inspection:** During routine air conditioning unit maintenance, visually inspect the motherboard for any signs of physical damage, burnt components, or loose connections.
- **Professional Servicing:** For any internal issues or complex cleaning, consult a professional air conditioning technician.

6. TROUBLESHOOTING

If the air conditioning unit experiences issues after motherboard installation, consider the following general troubleshooting steps. For complex problems, always consult a professional technician.

- **No Power/Unit Not Responding:**
 - Verify that the main power supply to the air conditioning unit is connected and active.
 - Check all cable connections to the motherboard to ensure they are secure and correctly seated.
 - Inspect the unit's circuit breaker or fuse.
- **Incorrect Operation/Malfunction:**
 - Ensure the correct motherboard model (KFR-35GW/BPZA, SX-SAKAVBBP-M37546) was installed for your specific AUX air conditioning unit.

- Check for any error codes displayed on the air conditioning unit's panel, if applicable, and consult the unit's specific service manual.
- Verify that all sensors and peripheral components connected to the motherboard are functioning correctly.

- **Overheating:**

- Ensure adequate airflow around the motherboard and within the unit.
- Check for excessive dust buildup on components.

If issues persist after basic checks, it is strongly recommended to contact a certified HVAC technician for diagnosis and repair.

7. SPECIFICATIONS

Feature	Specification
Model Numbers	KFR-35GW/BPZA, SX-SAKAVBBP-M37546
Brand	FKFGBB
Compatibility	Compatible with AUX Air Conditioning Units (specific models may vary)
Key Features	Intelligent temperature control, frequency conversion technology, dust-resistant, moisture-resistant, corrosion-resistant, durable materials
Package Dimensions	0.39 x 0.39 x 0.39 inches
Item Weight	1.76 ounces
Manufacturer	htrgtr
ASIN	B0FB1PH2YC

8. WARRANTY INFORMATION

This product is sold by a third-party seller. Standard return policies typically allow for returns within 30 days of purchase. For specific warranty details regarding the FKFGBB AUX Air Conditioning Computer Board Motherboard, please refer to the seller's terms and conditions at the time of purchase or contact the seller directly.

Extended protection plans may be available for purchase separately, such as 3-Year or 4-Year Protection Plans, or monthly subscription plans like 'Complete Protect'. These plans are offered by third-party providers and are not directly associated with the product's inherent warranty.

9. SUPPORT

For technical assistance, installation guidance, or troubleshooting beyond the scope of this manual, please contact

the seller directly through the platform where the product was purchased. They are equipped to assist with product-specific inquiries and related issues.

For general inquiries about AUX air conditioning units or if you require service for your entire air conditioning system, please consult a local certified HVAC professional or refer to the official AUX service documentation.