# GE 531X304IBDANG1 F31X304IBDAMG1

## Complete Product Information

GE 531X304IBDANG1 F31X304IBDAMG1 supports input and interface-board functions within the installed GE equipment while retaining the original board position, connectors and controlled wiring arrangement.

### WHAT THIS PRODUCT DOES

GE 531X304IBDANG1 F31X304IBDAMG1 is a interface board assembly identified for service in a matched legacy GE control assembly; the complete suffix must be retained during replacement.

**Product characteristic 1**

Uses the 531X board-family identification.

**Product characteristic 2**

Provides input and interface-board functions in the installed control assembly.

**Product characteristic 3**

Retains the complete suffix as part of the replacement identity.

**Product characteristic 4**

Requires the original connector, slot and wiring relationship to be preserved.

### PRODUCT-PAGE TECHNICAL SNAPSHOT

| | |
|---|---|
| **Product form** | Printed circuit board assembly |
| **Platform family** | 531X |
| **Functional area** | Input and interface-board functions |
| **Installation position** | Matched existing board position |

**IMPORTANT NOTICE**

Record the complete 531X304IBDANG1 F31X304IBDAMG1 marking, board position, connectors and configuration before removal. Verify the affected system functions after installation.

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# Features and technical data

## TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

| | |
|---|---|
| **Product form** | Printed circuit board assembly |
| **Platform family** | 531X |
| **Functional area** | Input and interface-board functions |
| **Installation position** | Matched existing board position |
| **Connection basis** | Existing harnesses, connectors and backplane interfaces |
| **Identity control** | Complete catalog number and suffix required |
| **Replacement method** | Like-for-like controlled substitution |
| **Commissioning basis** | System diagnostics and affected-circuit functional checks |

## FEATURE INTERPRETATION

**Product identity**

Uses the 531X board-family identification.

**System role**

Provides input and interface-board functions in the installed control assembly.

**Service context**

Retains the complete suffix as part of the replacement identity.

**Return-to-service focus**

Requires the original connector, slot and wiring relationship to be preserved.

## SIGNAL OR CONTROL PATH

**Field device** → **Product interface** → **System channel** → **Verified response**

GE 531X304IBDANG1 F31X304IBDAMG1 should be matched to the removed board by full marking, connector layout, installed location and system documentation before any wiring is transferred.

## PRODUCT-PAGE TECHNICAL QUESTIONS

| | |
|---|---|
| **Which identity must match GE 531X304IBDANG1 F31X304IBDAMG1?** | Match both printed numbers, the installed position and connector pattern. |
| **Why retain both numbers for GE 531X304IBDANG1 F31X304IBDAMG1?** | Together they identify the board assembly supplied for the installed position. |
| **What must be recorded before removing GE 531X304IBDANG1 F31X304IBDAMG1?** | Record plugs, jumpers, cable labels, shields and terminal relationships. |

# Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

**Controlled board replacement**

Restores the documented board position after the installed identity and interfaces are matched.

**Legacy control maintenance**

Supports service work on equipment using the 531X board family.

**Interface-path recovery**

Returns the affected input and interface-board functions after connector and wiring checks.

**Diagnostic troubleshooting**

Provides a defined replacement point when system tests isolate the fault to this board assembly.

## APPLICATION VERIFICATION MAP

| | |
|---|---|
| **Controlled board replacement** | Confirm the documented system position and the required operating function. |
| **Legacy control maintenance** | Compare the restored connection or control path with the approved record. |
| **Interface-path recovery** | Check the physical interface and the retained configuration before startup. |
| **Diagnostic troubleshooting** | Record diagnostics and the final controlled response before release. |

## INFORMATION CARRIED INTO THE WORK RECORD

**Identity record**

Complete marking and assigned system position.

**Connection record**

Connector, conductor and interface arrangement as found.

**Configuration record**

Controlled settings, application data and option state.

**Acceptance record**

Observed status, response and release decision.

**IMPORTANT NOTICE**

Use the complete product identifier for every application review; a related product link does not establish interchangeability.

## APPLICATION QUESTIONS

| | |
|---|---|
| **What must be recorded before removing GE 531X304IBDANG1 F31X304IBDAMG1?** | Record plugs, jumpers, cable labels, shields and terminal relationships. |
| **How should GE 531X304IBDANG1 F31X304IBDAMG1 be handled?** | Use ESD controls and support the assembly only by its edges. |
| **What should be inspected before seating GE 531X304IBDANG1 F31X304IBDAMG1?** | Inspect guides, connector keys, mating contacts and harness condition. |

# Product precautions and questions

## EIGHT MODEL-SPECIFIC PRECAUTIONS

| | |
|---|---|
| 01 | Confirm the complete 531X304IBDANG1 F31X304IBDAMG1 marking before removing the installed board. |
| 02 | De-energize the equipment and follow the approved stored-energy procedure. |
| 03 | Photograph and label every connector, jumper and cable before disconnection. |
| 04 | Use ESD controls when handling the printed circuit board assembly. |
| 05 | Inspect connector keys, edge contacts and card guides before insertion. |
| 06 | Do not transfer jumpers or configurable devices until their original positions are recorded. |
| 07 | Restore every harness and shield to the documented termination point. |
| 08 | Run the affected system diagnostics and functional checks before release. |

## FREQUENTLY ASKED TECHNICAL QUESTIONS

| | |
|---|---|
| **Which identity must match GE 531X304IBDANG1 F31X304IBDAMG1?** | Match both printed numbers, the installed position and connector pattern. |
| **Why retain both numbers for GE 531X304IBDANG1 F31X304IBDAMG1?** | Together they identify the board assembly supplied for the installed position. |
| **What must be recorded before removing GE 531X304IBDANG1 F31X304IBDAMG1?** | Record plugs, jumpers, cable labels, shields and terminal relationships. |
| **How should GE 531X304IBDANG1 F31X304IBDAMG1 be handled?** | Use ESD controls and support the assembly only by its edges. |

| | |
|---|---|
| **IMPORTANT NOTICE** | Match the complete 531X304IBDANG1 F31X304IBDAMG1 identity and installed interfaces before replacement. |

## RELEASE CHECKLIST

| | |
|---|---|
| **Identity accepted** | The complete product marking and assigned system position agree. |
| **Interfaces accepted** | Connections, retention and controlled configuration match the recorded condition. |
| **Response accepted** | Diagnostics and the intended technical response have been documented. |

# FAQ, document reference and related models

## ADDITIONAL TECHNICAL QUESTIONS

| | |
|---|---|
| **What should be inspected before seating GE 531X304IBDANG1 F31X304IBDAMG1?** | Inspect guides, connector keys, mating contacts and harness condition. |
| **Can GE 531X304IBDANG1 F31X304IBDAMG1 be selected from one partial number?** | Use both complete markings and confirm the installed interfaces. |
| **Which tests follow installation of GE 531X304IBDANG1 F31X304IBDAMG1?** | Run diagnostics and verify each affected input or interface path. |
| **When can GE 531X304IBDANG1 F31X304IBDAMG1 return to service?** | After connections, configuration and functional checks pass. |

## MANUFACTURER DOCUMENT REFERENCE

| | |
|---|---|
| **Manufacturer document** | Exact product marking and verified GE board-family/document references available for this legacy assembly. |
| **Application scope** | The values below apply to the identified product and its documented system relationship. |
| **Selection rule** | Use the complete ordering string and confirm the installed interfaces before selection. |

## RELATED MODELS ON APTERPOWER

| | |
|---|---|
| GE IC697ALG440 | Related product reference. Review the complete ordering string before selection. |
| GE IC693MDL231 | Related product reference. Compare the required interface and system position. |
| GE IC693PTM101 | Related product reference. Confirm the execution independently for the intended task. |

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