

INDUSTRIAL AUTOMATION PRODUCT

51403698-100

SBHM Motherboard Assembly

Honeywell 51403698-100 is an SBHM motherboard assembly. It provides the internal module interconnection and mounting interface for the designated Honeywell cabinet hardware.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Honeywell control-system cabinet hardware
Part number	51403698-100
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



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Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Assembly type	SBHM motherboard
Form	Motherboard assembly

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	SBHM chassis
Companion hardware	Installed daughter boards
Field connection	Cabinet power harness
Primary system function	Provides the SBHM internal backplane connections
Controlled acceptance duty	SBHM chassis restoration

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System Role and Architecture

Honeywell 51403698-100 is an SBHM motherboard assembly. It provides the internal module interconnection and mounting interface for the designated Honeywell cabinet hardware.

FUNCTION 1

Provides the SBHM internal backplane connections

FUNCTION 2

Carries the designated module interconnects

FUNCTION 3

Supports the installed cabinet hardware arrangement

FUNCTION 4

Acts as the identified SBHM replacement assembly

Matched system components

- SBHM chassis
- Installed daughter boards
- Cabinet power harness
- Backplane connectors

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	SBHM chassis
Companion hardware	Installed daughter boards
Field connection	Cabinet power harness
Primary system function	Provides the SBHM internal backplane connections
Controlled acceptance duty	SBHM chassis restoration

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Applications and Engineering Context

SBHM chassis restoration

Provides the SBHM internal backplane connections

Backplane fault repair

Carries the designated module interconnects

Legacy cabinet maintenance

Supports the installed cabinet hardware arrangement

Motherboard replacement

Acts as the identified SBHM replacement assembly

TECHNICAL NOTE

Document every installed board and harness position, isolate all cabinet supplies and inspect connectors before rebuilding the SBHM assembly and running the chassis self-test.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	51403698-100 / 51403698-100 recorded
Physical interface	SBHM chassis
Companion check	Installed daughter boards
Functional proof	Provides the SBHM internal backplane connections
Application test	SBHM chassis restoration

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Engineering Precautions

1

Verify the complete 51403698-100 marking and its assigned Honeywell control-system cabinet hardware position before work.

2

Isolate the energy associated with SBHM chassis before disconnecting 51403698-100.

3

Protect the 51403698-100 connectors and electronic assembly using approved ESD controls.

4

Record the as-found Installed daughter boards connections and configured assignment before replacement.

5

Confirm Cabinet power harness matches the approved installation record for 51403698-100.

6

Restore 51403698-100 under controlled conditions and review its model-specific diagnostics.

7

Complete a documented functional test for sbhm chassis restoration before release.

CONFIGURATION VERIFICATION MATRIX

- | | |
|---------------------------------|--|
| ● INSTALLED POSITION | SBHM chassis |
| ● COMPANION HARDWARE | Installed daughter boards |
| ● FUNCTIONAL DUTY | Provides the SBHM internal backplane connections |
| ● ACCEPTANCE APPLICATION | SBHM chassis restoration |

MANUFACTURER SOURCE RECORD

Honeywell System HINTS September 2022

SBHM MOTHERBOARD ASSY

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