

ABB ROBOTS

Product Data Sheet

3HAC021722-001

industrial control board

FUNCTION industrial control board	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 2.54 kg
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ABB Robots 3HAC021722-001 is a industrial control board for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	3HAC021722-001
Product Family	ABB Robots
Component Type	Industrial Control Board
Assembly Class	ABB PCB assembly
System Interface	ABB Robots control interface
Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors
Installation Format	Plug-in control board
Signal Domain	Control and diagnostic signals
Service Position	Documented rack slot

Configuration Basis	Installed ABB hardware list
Replacement Basis	Exact article and board revision
Protective Check	ESD and protective-earth control
Commissioning Check	Power-up diagnostics and function test
Maintenance Identity	3HAC021722-001 controlled service identity

- Supervise powertrain assembly with Industrial Control: During operation of the machining cells and pallet systems, 3HAC021722-001 supports the configured automation role as a industrial control board. During quality-hold release, the system uses this function to hand off part identity with the machine sequence, helping it retain traceability at the next operation.
- Align robotic handling with Industrial Control: In the automation chain for the robots, grippers and transfer fixtures, 3HAC021722-001 handles its designated signal or control duty as a industrial control board. During fault recovery, the system uses this function to restore the cell from a defined intermediate state, helping it resume material flow without losing part identity.
- Route aseptic filling with Industrial Control: Inside the fillers and container conveyors, 3HAC021722-001 provides its specified system function as a industrial control board. During line-speed ramp, the system uses this function to keep container flow synchronized with filling demand, helping it move accepted containers toward inspection.

Match 3HAC021722-001 to the installed ABB Robots, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB ABB Robots documentation](#)

<https://new.abb.com/control-systems>

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