

ABB ROBOTS

Product Data Sheet

3HAC044517-001/00

industrial control board

FUNCTION industrial control board	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.40 kg
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ABB Robots 3HAC044517-001/00 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	3HAC044517-001/00
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	3HAC044517-001/00 controlled service identity

- Synchronize pallet transfer with Industrial Control: For the coordinated operation of the turntables, lifts and shuttle cars, 3HAC044517-001/00 operates in its approved product-family role as a industrial control board. During blocked-zone recovery, the system uses this function to re-establish the transfer path after the obstruction clears, helping it resume flow without losing tracking data.
- Integrate body transfer with Industrial Control: At the control layer of the skid conveyors and lift stations, 3HAC044517-001/00 handles its designated signal or control duty as a industrial control board. During model change, the system uses this function to coordinate motion requests and station interlocks, helping it keep the assembly takt moving.
- Align test-stand control with Industrial Control: As part of the load actuators and measurement channels, 3HAC044517-001/00 supports the configured automation role as a industrial control board. During test-point transition, the system uses this function to move the test article through commanded operating points, helping it capture comparable results at each condition.

Match 3HAC044517-001/00 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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