01 / Identity and installation scope

FANUC

A20B-3300-0281/04B

Display Control Card

Product and host

FANUC A20B-3300-0281/04B is offered as a display control card based on the A20B-3300-0281 design for an 8.4-inch color LCD in a matching CNC assembly.

CNC basic unit
Match complete drawing

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Display-control card
A20B-3300-0281 base design

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Display assembly
8.4-inch color LCD context

Applicability

The offered identity is A20B-3300-0281/04B. The A20B-3300-0281 base design is the 8.4-inch color LCD display-control card in the applicable 0i-C hardware arrangement. Match /04B, the CNC basic-unit drawing number and installed hardware individually; base-design information is not a revision-specific interchangeability declaration.

Planning basis

This Apter Power guide supports identification and engineering planning. Qualified personnel must apply the complete manufacturer and machine-builder procedures for the actual installation.

02 / Configuration and interface readiness

Functional separation

In this hardware arrangement, the display-control card contains a display-control CPU, display-control circuit and display-control memory. The CNC CPU card and axis-control card occupy separate functional positions, while the FROM/SRAM module provides control-software storage and battery-backed SRAM. CNC CPU DRAM sizes and axis counts therefore describe other components and must not be assigned as specifications of the offered display card.

Component	Role in the applicable architecture
Display-control card	Display CPU, display circuit and display memory
CNC CPU card	CNC processing and its own main memory
Axis-control card	Axis-control processing and servo interface
FROM/SRAM module	Control-software storage and battery-backed SRAM

Identification before removal

The offered identity is A20B-3300-0281/04B. The A20B-3300-0281 base design is the 8.4-inch color LCD display-control card in the applicable 0i-C hardware arrangement. Match /04B, the CNC basic-unit drawing number and installed hardware individually; base-design information is not a revision-specific interchangeability declaration.

03 / Installation and connection decisions

Display-size pairing

The A20B-3300-0281 base design serves an 8.4-inch color LCD. Do not substitute the different 10.4-inch or 7.2-inch display-card arrangement on that basis alone.

Isolation before replacement

Qualified personnel must isolate the CNC and main cabinet supplies and follow the machine-specific verification procedure. Turning off only the CNC can leave other sections energized.

Settings and retained data

Preserve the machine settings and a suitable backup before intervention. Battery-backed SRAM belongs to the CNC memory arrangement; display-card replacement is not a license to change unrelated parameters.

Interface context

The applicable basic-unit drawing families are A02B-0309-B50n, A02B-0311-B50n and A02B-0311-B51n, with n from 0 to 9. Other basic-unit arrangements use different hardware. Preserve the complete unit drawing, display assembly, board suffix and parameter backup during service. Before replacing a CNC unit, isolate the CNC and main cabinet power using the machine procedure; restoring the correct settings and checking controlled machine operation are part of the replacement process.

Record
Identity and configuration

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Work
Approved isolation and procedure

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Check
Connections and retained settings

04 / Commissioning and functional acceptance

Review	Expected engineering evidence
CNC display-control maintenance	Review the A20B-3300-0281 base-design role in an 8.4-inch color LCD arrangement. Match the full A20B-3300-0281/04B marking and installed display assembly before selecting the offered card.
Hardware identification	Record the CNC basic-unit drawing and separate display, CPU and axis-control positions. This prevents system CPU memory or axis-control specifications from being assigned to the display card.
Display-system fault isolation	Review display-card seating and the associated display and inverter assembly as separate parts of the installed system. A display symptom alone does not identify which component needs replacement.
Controlled CNC restoration	Preserve the CNC settings and machine-builder configuration before intervention. After approved replacement, verify display operation and controlled machine behavior before returning the system to production.

What should be checked after replacing A20B-3300-0281/04B?

Restore the approved settings, verify the display and confirm correct machine behavior through the machine-builder controlled-test procedure. After a parameter change, use the specified trial-operation precautions before automatic production.

Release boundary

Restore the approved configuration and verify correct display and machine response under the machine-builder test procedure. Do not proceed directly to automatic production after changing settings.

05 / Technical handover and support

Retained information

Keep the complete A20B-3300-0281/04B marking, host identity, connection photographs, configuration backup and controlled-test results in the service record.

Support planning

Confirm present support and replacement guidance with FANUC for the complete installed identity. Apter Power availability and dispatch are separate quotation matters.

Reference basis

FANUC Series 0i-MODEL C and 0i Mate-MODEL C Maintenance Manual, B-64115EN/02.

Apter Power technical summary; not a manufacturer-issued manual. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

FANUC A86L-0001-0235

FANUC A03B-0815-C003

Rexroth DKC10.3-012-3-MGP-01VRS

Discuss your installed configuration

Send the full unit marking and connection details.

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