

A20B-8201-0541 Fanuc 24VDC 30i/31i/32i Series CNC Control Board Datasheet



Brand: Fanuc

SKU: [995480790119](#)

Category: CNC, Robotics & PLC Boards

Price: **\$6,428.57**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/a20b-8201-0541-fanuc-24vdc-30i-31i-32i-series-cnc-control-board>

Product Description

Fanuc A20B-8201-0541 is a high-performance CNC control board featuring a 200 mm x 150 mm multi-layer PCB architecture designed for 24 VDC nominal operation within the 30i, 31i, and 32i series systems. The hardware incorporates high-density surface-mount components, integrated HSSB (High-Speed Serial Bus) communication interfaces, and fiber-optic port connectivity for low-latency data transmission. The board utilizes a rigid FR-4 substrate with gold-plated contact points to ensure signal integrity across complex logic circuits and high-speed processing units.

A20B-8201-0541 Specifications

Model: A20B-8201-0541

Brand: Fanuc

Category: CNC Main Control Board

Compatible Series: 30i, 31i, 32i Model A/B, R-30iB Mate

Input Voltage: 24 VDC

PCB Type: Multi-layer Rigid FR-4

Interface Type: HSSB (High-Speed Serial Bus)

Communication: Fiber Optic / I/O Link

Dimensions: 200 mm x 150 mm x 25 mm

Weight: 0.45 kg

Operating Temperature: 0 to 55 °C

Storage Temperature: -20 to 75 °C

Humidity: 10 to 90 % RH (non-condensing)

Mounting: Slot-in Chassis Mount

Component Technology: Surface Mount (SMT)

Certifications: CE, UL, RoHS

A20B-8201-0541 Applications

Primary applications include integration into Fanuc 30i-B series CNC controllers, multi-axis machining center logic units, and high-precision lathe automation systems. Deployed within industrial robotic control cabinets and complex milling machine synchronization modules for real-time motion command processing.

Supplemental Images

