

A20B-8201-0083 Fanuc Oi-D Main CPU Control Board Datasheet



Brand: Fanuc

SKU: [995481694110](#)

Category: CNC, Robotics & PLC Boards

Price: **\$3,428.57**

E-mail: sales@equipspares.com

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Product Page: <https://www.equipspares.com/product/a20b-8201-0083-fanuc-oi-d-main-cpu-control-board>

Product Description

Fanuc A20B-8201-0083 is a high-density main control board measuring 195 mm x 145 mm x 25 mm, serving as the primary CPU logic unit for Oi-D series CNC systems. The hardware is constructed on a multi-layer fiberglass epoxy substrate with armored shielding for operation in severe industrial conditions. It integrates high-speed processing units to manage extensive input/output arrangements, including limit switch monitoring and analog process variable calculations. The board features surface-mount device (SMD) architecture and gold-plated interface connectors to ensure signal integrity for complex positioning systems.

A20B-8201-0083 Specifications

Model: A20B-8201-0083

Brand: Fanuc

Series: Series Oi-D

Category: Main PCB / Controller Card

Compatible Controller: A20B-0319-B502

Logic Voltage: 5 VDC / 24 VDC

Architecture: Multi-layer SMD

Dimensions: 195 mm x 145 mm x 25 mm

Weight: 0.45 kg

Material: FR-4 Fiberglass Epoxy

I/O Capacity: High-density Analog and Digital

Operating Temperature: 0 to 55 °C
Storage Temperature: -20 to 75 °C
Humidity: 10 to 90 % RH (non-condensing)
Certifications: CE, UL Recognized

A20B-8201-0083 Applications

Primary applications include integration into Fanuc Oi-D series CNC machining centers and turning centers for real-time axis control. Deployed within A20B-0319-B502 controller assemblies to manage logic processing for robotic arms and automated production lines.

Supplemental Images

