A20B-8201-0088 Fanuc 24VDC 0i-D Mate CNC Control Circuit Board Datasheet

Brand: Fanuc

SKU: 995481118442

Category: CNC, Robotics & PLC Boards

Price: **$2,357.14**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/a20b-8201-0088-fanuc-24vdc-0i-d-mate-cnc-control-circuit-board

Product Description

Fanuc A20B-8201-0088 is a high-density main CPU circuit board measuring approximately 200 mm x 150 mm and operating on a nominal 24 VDC input. This multi-layer printed circuit board serves as the primary control logic unit for the 0i-D Mate series, featuring integrated Fanuc custom LSI processors and surface-mount technology. The hardware includes a Fanuc Serial Servo Bus (FSSB) interface for high-speed optical communication with servo drives and a dedicated I/O link for peripheral synchronization. The unit is designed for slot-in mounting within a CNC control rack, utilizing gold-plated edge connectors and a rigid FR-4 substrate to maintain signal integrity in high-vibration environments.

A20B-8201-0088 Specifications
Model: A20B-8201-0088
Brand: Fanuc
Category: CNC Control Board
Series Compatibility: 0i-D Mate, 0i-D
Input Voltage: 24 VDC
Weight: 0.2 kg
Dimensions: 200 mm x 150 mm x 20 mm
Interface Type: FSSB (Fanuc Serial Servo Bus)
Communication: I/O Link

Mounting Type: Slot-in Plug-in
Substrate Material: FR-4 Fiberglass
Operating Temperature: 0 to 55 °C
Storage Temperature: -20 to 75 °C
Humidity: 10 to 90 % RH (non-condensing)
Cooling: Natural Convection
Certifications: CE, UL
PCB Layers: Multi-layer
Component Type: Surface Mount Technology (SMT)
Connector Type: High-density Pin Header

A20B-8201-0088 Applications

Primary applications include integration into Fanuc Series 0i-D Mate CNC control units for vertical machining centers and CNC lathes. Deployed within industrial automation systems to manage multi-axis motion control, logic processing, and real-time feedback loops for precision metalworking machinery.

Supplemental Images


SIDE-B A20B-8201-008
FANUC
MADE IN JAPAN
FANUC
COP10A-1
FSSB1
CZ15
TODX2700C
JAPAN