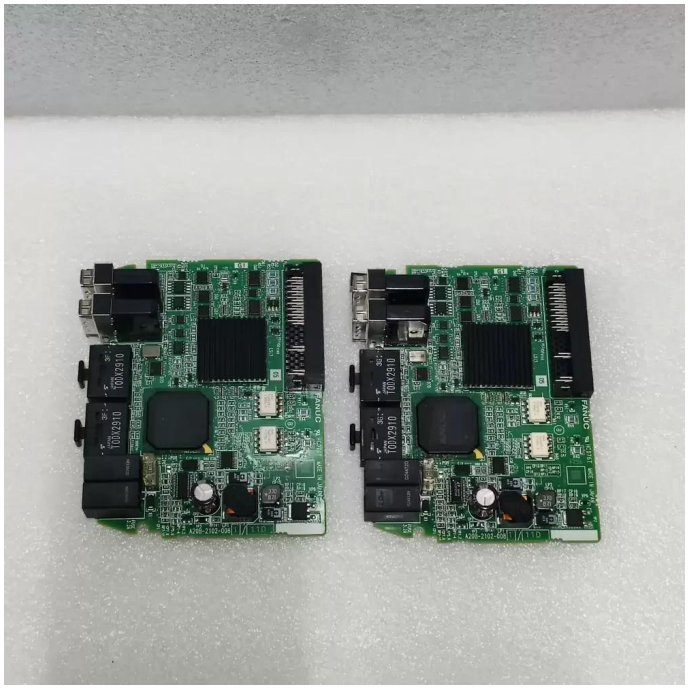
A20B-2102-0081 Fanuc Alpha i Series Servo Drive Control Board Datasheet



Brand: Fanuc

SKU: 1047598144667

Category: CNC, Robotics & PLC Boards

Price: **$1,521.43**

E-mail: sales@equipspares.com

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https://www.equipspares.com/product/a20b-2102-0081-fanuc-alpha-i-series-servo-drive-control-board

Product Description

Fanuc A20B-2102-0081 is a high-precision Alpha i series servo amplifier control PCB measuring approximately 170 mm x 120 mm and designed for 400 V power architectures. The unit features a multi-layer FR-4 substrate construction with integrated surface-mount technology (SMT) components and high-density multi-pin header interfaces for signal distribution. It incorporates dedicated logic circuitry for PWM signal processing and feedback loop management within the servo drive assembly. The mechanical frame utilizes flame-retardant polycarbonate materials to ensure structural integrity during high-vibration operation.

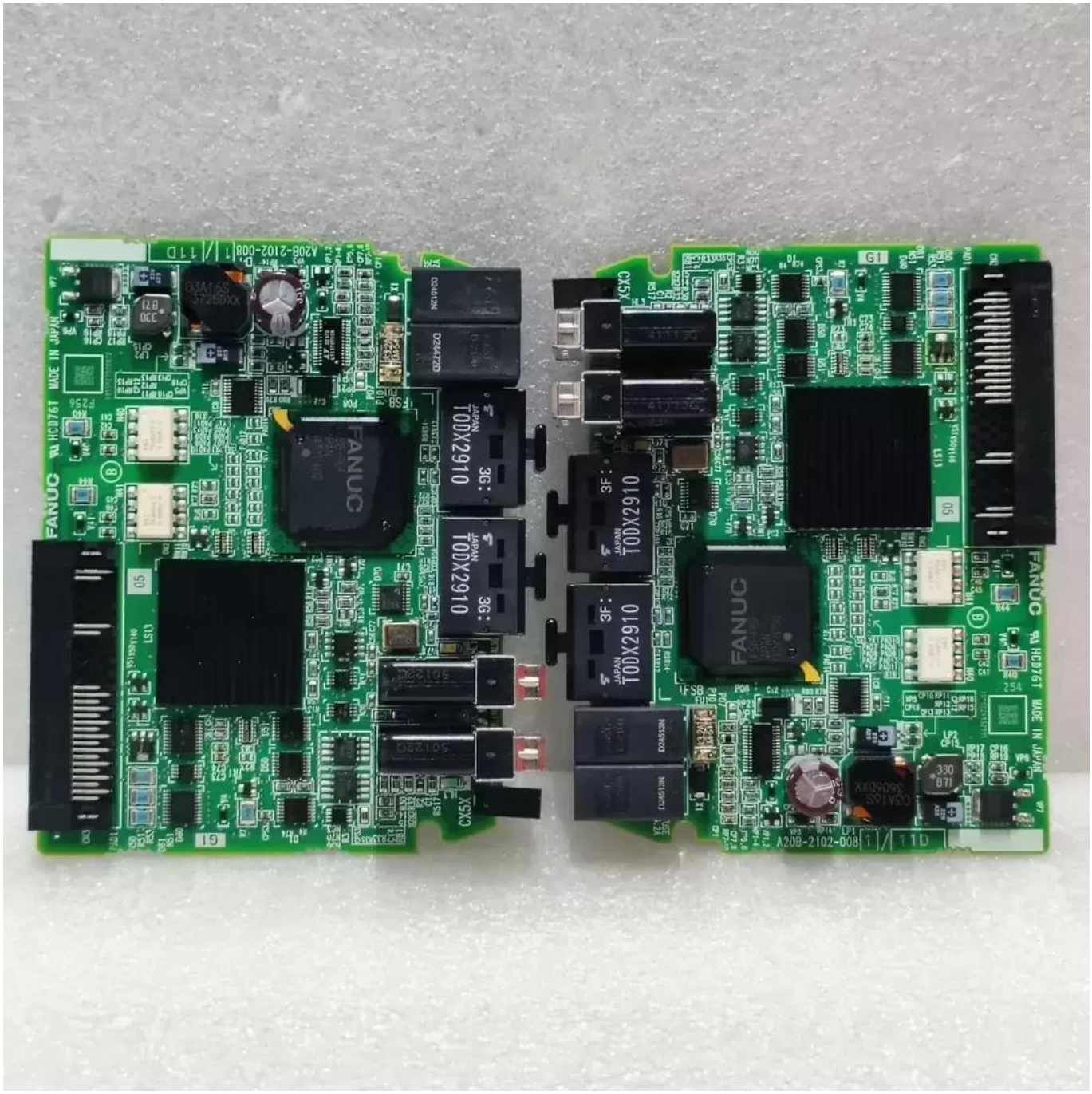
A20B-2102-0081 Specifications
Model: A20B-2102-0081
Brand: Fanuc
Series: Alpha i (αi) / Beta i (βi)
Product Type: Servo Drive Control Side Plate
Compatible Amplifiers: βiSV10HV-B, βiSV20HV-B, Alpha i SVM
Input Voltage: 400 V AC
Logic Voltage: 5 V DC / 24 V DC
Dimensions: 170 mm x 120 mm x 25 mm
Weight: 0.22 kg
Material: FR-4 Glass Epoxy PCB / Polycarbonate Frame

Interface Type: Multi-pin Connector / Ribbon Cable Header
Operating Temperature: 0 to 55 °C
Storage Temperature: -20 to 75 °C
Humidity: 10 to 90 % RH
Mounting Type: Side-mount Snap-in
Certifications: CE, UL, RoHS Compliant

A20B-2102-0081 Applications

Primary applications include integration into Fanuc Alpha i and Beta i series servo amplifiers used within CNC machining centers, robotic arm controllers, and automated industrial lathes. Deployed within multi-axis motion control systems to manage high-speed positioning and torque regulation in precision manufacturing equipment.

Supplemental Images


FANUC
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A20B-2102-0081
A20B-2102-0082
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