A17B-8102-0602 Fanuc Beta i SVSP-02i Step2 Mainboard PCB Datasheet

Brand: Fanuc

SKU: 1037917910416

Category: CNC, Robotics & PLC Boards

Price: **$171.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/a17b-8102-0602-fanuc-beta-i-svsp-02i-step2-mainboard-pcb

Product Description

Fanuc A17B-8102-0602 features Beta i SVSP-02i compatibility, Step2 architecture, and a 24 VDC nominal input. The printed circuit board is constructed from high-density FR4 fiberglass, utilizing surface mount technology for optimized thermal dissipation and signal integrity. It incorporates multi-pin header interfaces for direct integration with servo amplifier modules, alongside solid-state logic components and an integrated digital signal processor to facilitate high-speed multi-axis synchronization. The hardware operates within a standard 0 to 55 °C thermal envelope, ensuring stable electrical performance under continuous load conditions.

A17B-8102-0602 Specifications
Model Number: A17B-8102-0602
Brand: Fanuc
Product Category: Mainboard / Printed Circuit Board (PCB)
Series Compatibility: Beta i Series
Amplifier Compatibility: SVSP-02i (Combined Servo/Spindle Amplifier)
Architecture: PLUS STEP2 Series
Nominal Input Voltage: 24 VDC
Board Material: FR4 Fiberglass
Mounting Technology: Surface Mount Technology (SMT)
Operating Temperature: 0 to 55 °C

Storage Temperature: -20 to 60 °C
Relative Humidity: 10 % to 75 % (Non-condensing)
Interface Type: Multi-pin Headers / Edge Connectors
Control Type: Multi-Axis Synchronization
Component Type: Solid-State Logic / DSP
Weight: 0.45 kg
Country of Origin: Japan

A17B-8102-0602 Applications

Primary applications include integration into Beta i SVSP-02i combined servo and spindle amplifier modules for multi-axis CNC machining centers. Deployed within automated milling machines, robotic articulation controllers, and high-precision turning lathes, this mainboard facilitates direct logic processing and motor synchronization.

Supplemental Images


CA68A
CA135
CD46A
FUSE1