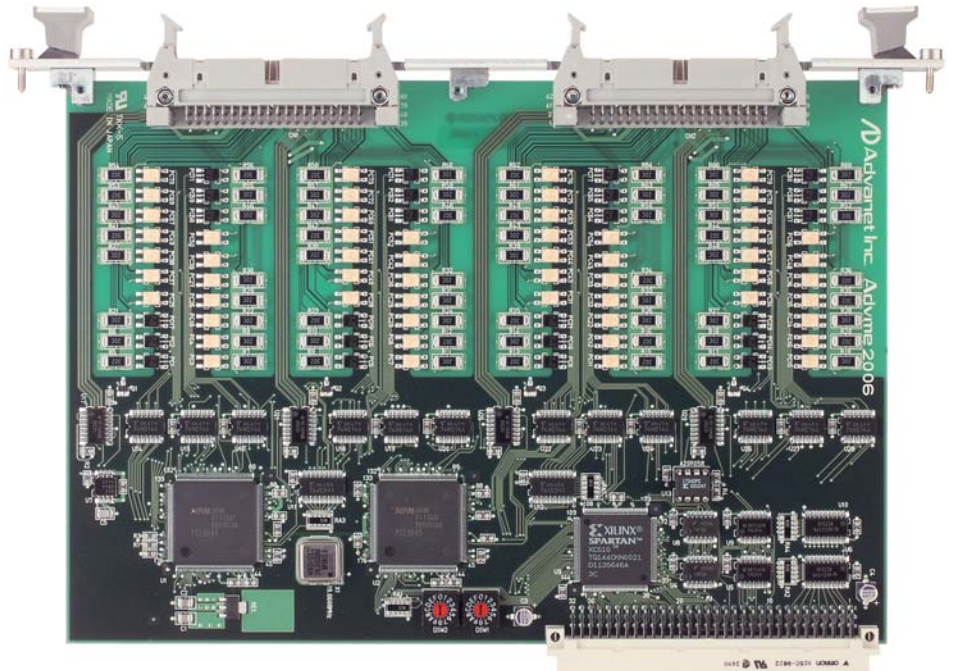


Advme 2005

8-axis Pulse Control Board



Features

- VME bus compliant 8-axis control board equipped with four Nippon Pulse Motor original PCL5022 control chips for controlling the speed and positioning of 8-axis pulse motors and servo motors
- Use by connecting to a pulse-input type stepping motor driver and servo motor driver
- Equipped with independent general-purpose I/O ports for each axis for connection with various stepping motor drivers and servo motor drivers
- Ideal as a controller for equipment using multi-axis stepping motors such as semiconductor manufacturing equipment
- Can be used as an up-down counter board because each channel has a built-in independent 28-bit length up-down counter and two-phase encoder or up-down pulses can be input
- Constant rate and straight line acceleration and deceleration for continuous operation, preset operation and return to original position
- Also supports drivers with micro-step control up to 16 divisions
- Function for completing a straight line between two specific axes (slave axis moves proportionally to the master axis)
- Function for detecting loss of synchronism in pulse motors
- 28-bit counter
- Maximum pulse rate of 1.2Mpps
- All I/O signals are photo-coupler isolated (excluding CW/CCW)
- Software programmable IRQ level and interrupt vector
- Software programmable input pulse and output pulse modes
- Sample program
- Device driver for VxWorks (option)

Specifications

No. of channels : 8 channels
Pulse output : CW(POUT)/(CCW)DIR, One or two clock modes
Pulse input : Two-phase A/B/Z input or up/down pulse input
General purpose input : 2 channels per axis (can also be used as INP/ALM)
General purpose output : 2 channels per axis
Limit sensor input : ORG / EL+ / EL-
Pulse rate : Up to 1.2Mpps
Bus interface : VMEbus Revision C.3 compliant A16:D16 AM codes 29 and 2D
Connector : Two MIL-type dual row 40-pin headers
Power requirements : +5V±5% (received from VME bus), 1.32A (typ.)
Board size : (excluding protrusions) 234mm x 160mm x 20mm



HUMAN ELECTRONICS

Advanet Inc.

www.advanet.co.jp

Note: The following specifications and product appearance are subject to change for enhancement without notice.



ISO9001
 Certification: No.4016-1995-AQ-K0B-Rv4

ISO14001
 Certification: No. EMSC-1426

Headquarters 616-4, Tanaka, Okayama 700-0951 JAPAN
 TEL +81-86-245-2861 FAX +81-86-245-2860
 Tokyo Branch 3F, Hayakawa No.3 Building, 2-2Kanda-Tacho, Chiyoda-ku, Tokyo 101-0046 JAPAN
 TEL +81-3-5294-1731 FAX +81-3-5294-1734