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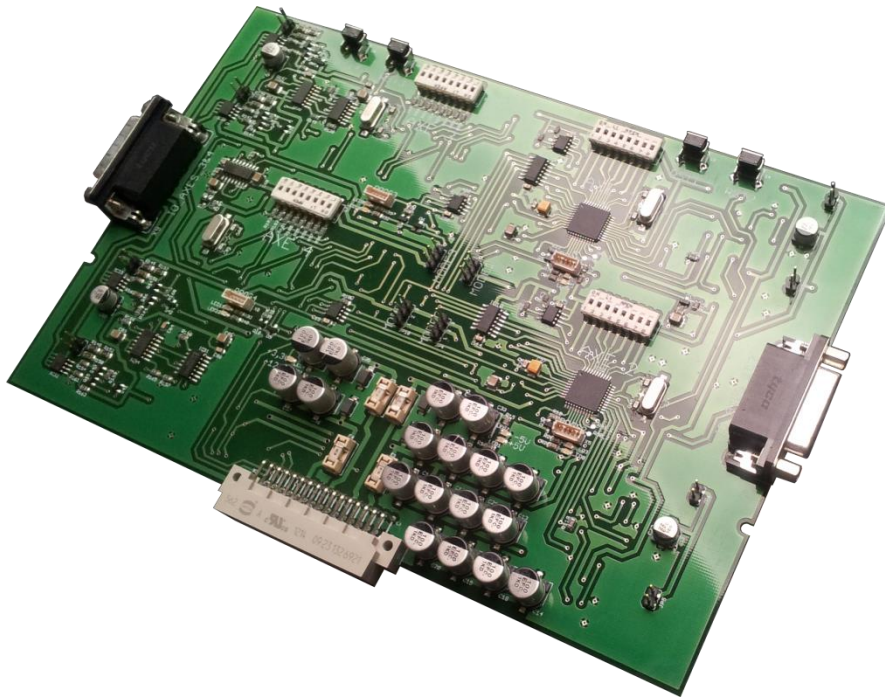


Image if for

purpose only

illustrative

This board is a 4 axis motion controller for actuators using brush DC motor with optical encoder.

1 - Software features

- Absolute and relative move
- Motion motor asserved on optical encoder integrated into the actuator
- Velocity profile : start/stop or acceleration ramp
- Homing on home sensor or stop block
- Speed ajustable by software (0 to 100%)
- Positive and negative software limits configurable by user
- Home position offset configurable by user
- Axis address configurable by user

2 - Hardware features

- Brush DC motor
- Limit switches (positive and negative) can be reversed or inhibited by software configuration

- Home sensor can be reversed or inhibited by software configuration
- Home sensor and limit switches can be configured to closing or opening

3 - Applications

- Driving of Positioning actuator based on stepper motor
- Multi-axis command systems possible by plug-in several boards by means of communication bus
- Driving of laboratory system with Windows GUI application

4 - Technical features

CHARACTERISTICS	VALUES
Power supply	+3,3V, +5V, -5V et +12V
Overcurrent protections	SMD fuse on holder for each power supply
Axis number	4
Motor type	Brush DC motor
Motor current	1A RMS, 2A peak
Communication	CAN and RS485 (ASCII)
Axis address	Manually configurable by user (DIP switch)
Digital inputs	4 optical encoder inputs (SUBD15)
Outputs	4 actuator outputs (SUBD15)
Indicators	Voltage presence, move and default for each axis
Dimensions (L x W x H)	235×155×20mm
Connectivity	DIN41612 C/2 and 2 SUBD15
Airing	Natural convection
Weight	350g