

MSA70D DIGITAL SINGLE AXIS 70A OPEN FRAME MOTOR CONTROLLER

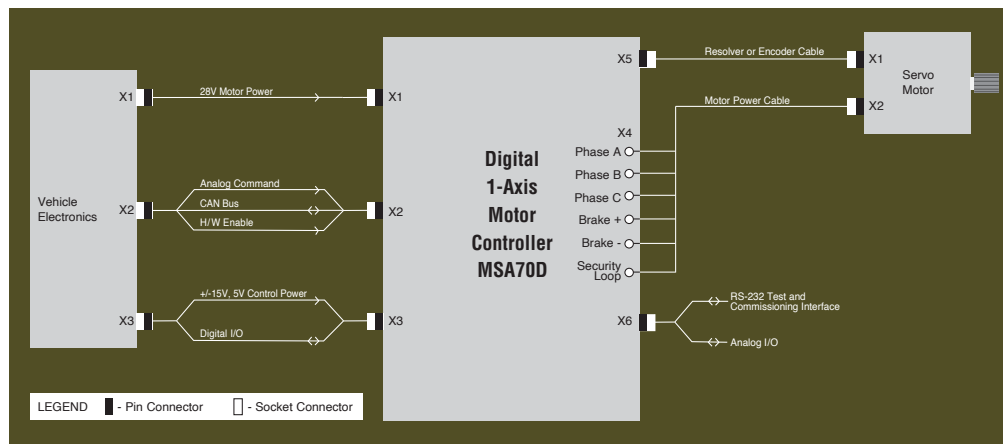


This robust digital low voltage single axis controller is designed to provide torque, velocity and position loop closure. It has a CAN Bus command interface and also can receive an analog command signal. An open frame design with cold plate mount is used to reduce the overall cost and to allow this controller to be easily incorporated into existing vehicle electronics. The advanced space vector algorithms provide optimum performance for new or existing motors to provide superior power densities. There is also a control power input option that replaces the +/-15V, and 5V supplies with 28V. Additionally, there are a wide range of end user programmable software features, as listed below.

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PROGRAMMABLE SOFTWARE FEATURES

- Extensive built in test
- End-damping limits
- Acceleration limits
- Comprehensive loop tuning
- Tracking/Stabilization Modes
- Field weakening
- Joystick shaping function
- Analog and digital I/O
- Status and fault history
- Data logging



Note: All of our products are flexible and customizable to meet your specific needs. Please contact us for more information.

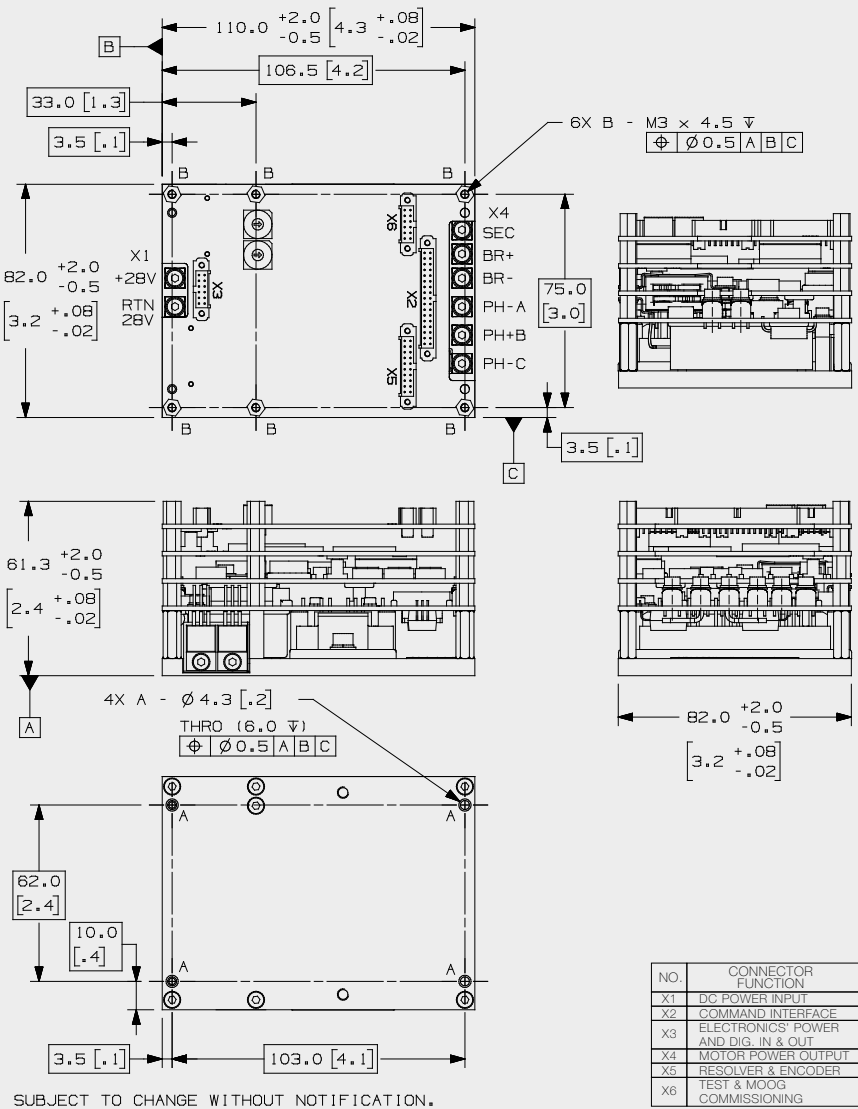


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SPECIFICATIONS

Parameter	Performance
Power Supply	18Vdc – 32Vdc
Temperature (Baseplate)	-40°C to 85°C
Command Communication Interfaces	CAN-Bus
Weight	0.5kg (1.1lbs)
Position Sensor Interface	SSI, BISS or EnDat Serial Interfaces
Motor Commutation Sensor	Resolver or Encoder
Envelope	110 x 82 x 61.3mm (4.3 in. x 3.2 x 2.4in)
Self Protection	Over-Temperature and Over-Current
Output Current	70A Peak

DIMENSIONS mm (in)



MOOG
SPACE AND DEFENSE GROUP

East Aurora, NY 14052 USA
+1.716.652.2000
www.moog.com



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