



**Embedded Boards • Power Supplies • Instruments**

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## **For Immediate Release**

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## **Dual, 5 A @ 65 VDC, PWM Motor Drive VME Card Now Available**

### *Unit Drives DC motors and features RS-422, A/D, D/A or R/D Options*

**Bohemia NY** -- North Atlantic Industries (NAI) has announced the availability of a conduction cooled, dual, four-quadrant, bi-directional, PWM Motor Drive VME card targeted for DC motor applications. Each PWM Motor Drive on the 64PW3 accepts a 65 VDC power input and provides a 5 amp maximum, continuous current output to a DC motor. The 64PW3 incorporates numerous safety features, continuous background self-testing, and optional RS-422, A/D, D/A, or dual R/D interfaces.

The 64PW3 Motor Drives can be set for either current control or voltage control via the VME bus and motor control can be accomplished with the optional RS-422 serial data link. Both output drives can be shut down via a single discrete opto-isolated logic input to the card. Motor drive power is opto-isolated from the VME power to reduce noise.

As safety features, the VME Card Interrupt will be set and Status Registers will indicate the following fault conditions: drive fail, bias loss, over-current, supply over-voltage, supply under-voltage, and over-temperature. A thermal shutdown will prevent damage to the system due to excessive temperature conditions. Major diagnostics are included that offer substantial improvements to system reliability and maintainability.

The 64PW3 operates over the -40°C to +85°C temperature range. All units are Temperature Cycle Screened from -40°C to +85°C for 24 hours. Other features of the 64PW3 include 50 KHz PWM frequency, 800 Hz open loop bandwidth, short-circuit protected outputs, and watchdog timer. NAI also offers a companion power supply assembly (VME form factor) to provide operation from 28VDC. Contact factory for power supply details and form factor options.

Pricing for 100 pieces of the 64PW3 starts at \$5,000 each. Consult factory for delivery.

"The 64PW3 gives our customers a high density DC motor drive on a popular card platform," said Frank Riccobono, Director of Sales and Marketing at NAI. "They particularly like the extensive built-in-test and numerous safety features."

### ***North Atlantic Industries***

Founded in 1955, North Atlantic Industries (NAI) designs and manufactures Embedded I/O (Input/Output) Boards, Power Supplies, and Motion Simulation and Measurement Instruments for the Defense and Aerospace Industries. It provides the highest quality COTS (Commercial Off-the-Shelf) and Custom products in Commercial, Extended Temperature and Full-Military versions. NAI is focused on delivering innovation, quality, and superior value for its customers. Additional information about NAI and its products can be found at the company's Web site at <http://www.naii.com>.

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