



For Immediate Release

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MIL-STD-1553 and CANBus Functions Now Available for VME, cPCI and PCI Multi-Function Boards

Adds to Broad Library of Standard Functions which Mix-and-Match for Diverse Applications on Multiple Platforms

Bohemia NY -- North Atlantic Industries (NAI) has announced the availability of MIL-STD-1553 and CANBus functions for its wide range of VME, cPCI and PCI multi-function boards. Known as N7, N8 (MIL-STD-1553) and P6 (CANBus) modules, they join the already extensive list of standard function modules that are available from NAI. The broad library of functions provides the mix-and-match capability to configure a wide variety of functions on a single board. This eliminates the complexity of using multiple, independent, single-function cards and reduces size, weight, power and cost. Other typical functions include A/D, D/A, S/D, D/S, LVDT/RVDT, DLV, ARINC 429/575, RS-422/485/232, Discrete and TTL I/O, Reference Generator, Differential Transceiver, and RTD.

The N7 and N8 modules provide 2 dual-redundant MIL-STD-1553B Notice 2 interface channels. Each channel can be configured to act as a Bus Controller (BC), Remote Terminal (RT) or Monitor (MT). Features include 128Kbyte (64K words) on board memory per channel, register compatibility with the μ MMIT™ family of devices from Aeroflex Inc, support for automatic message return, and Automatic Health Monitoring (BIT).

The P6 module provides (4) independent, isolated, channels of Control Area Network (CAN) serial data bus links, conforming to the ISO 11898 International Standard. Both CAN A & B are supported. CANBus support is implemented with the Bosch FPGA core. Its stack design conforms to the SAE J1939 protocol specification, with address claiming option. It has ANSI C fully Compliant Network, Transport and DataLink layers. Features include Self-configurable, Non-Configurable and Command Configurable ECU settings. Continuous Health Monitoring (BIT) is provided.

The N7, N8 and P6 functions are supported on VME, cPCI and PCI Multi-Function Boards with operating temperature ranges of -40°C to +85°C and 0°C to +70°C. Pricing for 100 pieces of the 64C2 VME Board with the MIL-STD-1553 function starts at \$3300. Delivery is 10 to 12 weeks ARO.

"The new MIL-STD-1553 and CANBus functions give our customers additional choices to configure a broad range of functions," said Lino Massafra, VP of Sales and Marketing at NAI. "They particularly like the high density and flexible I/O per slot for the VME, cPCI and PCI platforms."

North Atlantic Industries

North Atlantic Industries (NAI) is a leading independent supplier of Embedded I/O Boards, Power Supplies and Motion Simulation and Measurement Instruments for the Military, Aerospace and Homeland Security Industries. NAI provides the highest quality COTS and Custom products in Commercial, Extended Temperature and Rugged versions. Information about NAI and its products can be found at www.naii.com.

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