



Embedded Boards • Power Supplies • Instruments

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For Immediate Release

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3-Channel Programmable Digital-to-Synchro/Resolver Converter Now Available on PC-104 Card

16-bit resolution and 1 arc-minute accuracy provided at 1.2VA output drive

Bohemia NY -- North Atlantic Industries (NAI) has announced the availability of a 3-channel Digital-to-Synchro/Resolver Converter on a PC-104 card. The DSP-based 73DS2 includes up to 3 independent, transformer isolated, programmable Synchro/Resolver simulation channels. Each channel has 16-bit resolution, ± 1 arc-minute accuracy, and a short circuit protected output with 1.2 VA drive capability. The unit requires +5Vdc and ± 12 Vdc power supplies, and operates over a frequency range of 47 Hz to 10 KHz. Additionally, each unit includes 8 programmable digital input/output channels, wrap-around self-test, programmable output angle rotation, and an optional programmable excitation reference supply.

The 73DS2 provides continuous background Built-In-Test (BIT) on all functions and channels, including reference and signal loss detection. The BIT is totally transparent to the user, requires no programming, and doesn't interfere with the normal operation of the card. Each Digital-to-Synchro/Resolver Converter channel is self-calibrating, without requiring removal of the card. The 73DS2 PC-104 card is ideally suited for military and commercial programs, including airborne, shipboard, ground mobile and C³I applications.

The 73DS2 is available with an operating temperature range of -40°C to +80°C. Pricing for 100 pieces of the 73DS2 starts at \$3,300 each. Delivery starts at 12 weeks ARO.

"The 73DS2 provides our customers with a flexible Synchro/Resolver simulation PC-104 card that reduces size, complexity and cost," said Mike Oliveri, VP of Sales and Marketing at NAI. "They particularly like the high accuracy, continuous built-in-test, and superior drive capability."

North Atlantic Industries

Founded in 1955, North Atlantic Industries (NAI), an ISO 9001:2000 certified enterprise, 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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Photo Attached

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