



Embedded Boards • Power Supplies • Instruments

110 Wilbur Place • Bohemia, NY 11716-2416

Tel: (631) 567-1100 • Fax: (631) 567 1823 • www.naii.com

For Immediate Release

Contact: Frank Riccobono
North Atlantic Industries
631-567-1100
friccobono@naii.com

David Pinkowitz
DCP Marketing Services LLC
631-491-5343
dpinkowitz@dcpmarketing.com

4-Channel Programmable Synchro/Resolver or LVDT/RVDT Simulation Card (75DS2) Now Available on 3U cPCI Card

16-bit resolution and 1 arc-minute accuracy provided at 1.5VA output drive

Bohemia NY -- North Atlantic Industries (NAI) has announced the availability of a 4-channel Digital-to-Synchro/Resolver or Digital-to-LVDT/RVDT Converter on a 3U cPCI card. The DSP-based 75DS2 includes up to 4 independent, isolated, programmable Synchro/Resolver or LVDT/RVDT simulation channels. Each channel has 16-bit resolution, ± 1 arc-minute accuracy, and a short circuit protected output with 1.5, 2.2 or 3.0 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 wrap-around self-test, programmable output angle rotation, and an optional 3VA programmable reference supply. This 2nd generation card is a replacement -- for new designs -- for either NAI's 75DS1 or 75DL1.

The 75DS2 provides continuous background Built-In-Test (BIT) on all functions and channels, including reference and signal loss detection. 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 and Digital-to-LVDT/RVDT Converter channel is self-calibrating, without requiring removal of the card. The 75DS2 3U cPCI card is ideally suited for military and commercial programs, including airborne, shipboard, ground mobile and C³I applications.

The 75DS2 is available with an operating temperature range of -40°C to +85°C or 0°C to +70°C. Conduction cooled versions with wedgelocks are also available. Pricing for 100 pieces of the 75DS2 starts at \$2,495 each. Delivery starts at 12 weeks ARO.

"The 75DS2 provides our customers with a flexible Synchro/Resolver or LVDT/RVDT simulation 3U cPCI card that reduces size, complexity and cost," said Lino Massafra, VP of Sales and Marketing at NAI. "They particularly like its high accuracy, continuous built-in-test, and superior drive capability."

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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Photo Attached

July 2008



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