

Editorial Contact:
The Simon Group, Inc.
Joanna Puglisi-Barley
Phone: (215) 453-8700
E-mail: publicrelations@simongroup.com
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Ruggedized High-Speed Contacts from Amphenol Provide Datalink for Critical Applications

Amphe-Lite Quadrax provides high data transfer rates and lower power consumption

Technical Specifications

- Bandwidth up to 3.125 GHz
- Data Rate up to 6.5 Gbps
- 100Ω impedance for Ethernet up to 10GBase-T protocol
- Excellent EMI compatibility
- Shock and vibration resistant
- Available in size 8 crimp termination or PC tails
- Can withstand 500 hours of salt spray

Endicott, NY May 2021 – Amphenol Industrial Operations, a global leader in interconnect systems, now offers a [connector with high-speed contacts](#) that provide datalink solutions for critical applications. The Amphe-Lite Quadrax provides high data transfer rates, lower power consumption and excellent EMI compatibility.

This new connector, designed for high-speed signal applications in ruggedized and high vibration environments includes two pairs (4 pins) of high-speed contacts with bandwidth up to 3.125 GHz, Ethernet 10G Base-T-100 Ohm and a data rate up to 6.5 Gbps.

Used in the Rail Mass Transit, Heavy Equipment, Oil and Gas, and Mining Markets

Ideal for use in rail mass transit for WTB, MVB and PIS systems; datalink for network, sensor, audio and video in heavy equipment; as well as datalink and signal in the oil and gas mining markets, these connectors offer high bandwidth, excellent EMI shielding, a ruggedized shell and robust design for extreme environments.

Versatile Connectors

These versatile connectors are shock and vibration resistant and can withstand 500 hours of salt spray. They are compatible with MIL-DTL-38999 shell and have excellent adaptability in a modified size 8 cavity to accommodate keyed contacts. They are also compatible with Cat 5E or Cat 6A cable systems.

Amphe-Lite Quadrax is available in size 8 crimp termination or PC tails, with high density (up to 99 contacts) hybrid signal and power.

For more information, please visit <http://www.amphenol-industrial.com> or e-mail tyesensky@amphenol-aio.com.

Follow us: <https://twitter.com/AmphenolAIO>

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READER SERVICE INQUIRIES: Please forward all reader service inquiries to Ty Yesensky at Amphenol Industrial Operations, 20 Valley Street, Endwell, NY 13760-3600; e-mail: tyesensky@amphenol-aio.com; Web: www.amphenol-industrial.com.

EDITOR'S NOTE: [Amphenol Industrial Operations](#), headquartered in a 20,000 square foot facility in Endicott, N.Y., provides a full range of high reliability power/signal connectors and interconnection systems specifically for the industrial markets including rail/mass transit, process control, automotive manufacturing, heavy equipment, wireless base stations and petrochemical/power generation.

Products include ruggedized-for-industry cylindrical, fiber optic, rectangular, and industrialized versions of Amphenol's MIL-DTL-5015 cylindrical, MIL-DTL-26482 miniature cylindrical and GT reverse bayonet cylindrical connectors. It employs more than 900 people and is ISO9001, TS96949 and MIL-STD-790 certified.

Amphenol Industrial Operations is a division of Amphenol Corporation, Wallingford, CT, one of the largest manufacturers of interconnect products in the world, with year 2020 sales topping \$8.6 billion.