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New Rugged Connector Series from Amphenol for Use in Harsh Environments *The LPT series is lightweight, intermateable*

Technical Specifications

- Aluminum shell design
- Intermateable with Amphenol's PT series
- Three retention tines with stamped and formed crimp contacts
- Accept wire gauges from 22 AWG/0.34mm² to 12 AWG/3.5mm
- IP67 rating(mating)
- UL94 V-0 rating
- 500 mating cycles
- Operating temperature range of -40° C to +125°C

Sidney, N.Y. March 2018 – Amphenol Industrial Operations, a global leader in interconnect systems, now offers a new series of [rugged connectors](#) for use in harsh environments. The LPT (Lean PT) series is ideal for use in factory automation, automotive, hybrid electric vehicles/electric vehicles, energy storage, power distribution, industrial instrumentation and process control applications.

Based on Amphenol's MIL-C-26482 series I and the original PT series, the lightweight LPT has an aluminum shell design. This metal connector, with improved structure, also features a standard PT shell with coupling nut, making it intermateable with the PT series. The LPT includes three retention tines with stamped and formed crimp contacts that can easily be inserted and ensure retention force.

These new connectors accept wire gauges from 22 AWG/0.34mm² to 12 AWG/3.5mm², have quick positive coupling and 5 key/keyway mating to ensure that users don't mismatch when plugging into a receptacle.

The LPT series is waterproof to IP67 standard and self-extinguishing to UL94 V-0. They can withstand 500 mating cycles and have an operating temperature range of -40° C to +125°C

Amphenol's LPT connectors are available in five shell styles, including box mounting receptacle, jam nut receptacle, straight plug, wall mounting receptacle and cable connecting receptacle. The connectors are also available in a variety of finishes, including black zinc, nickel and gray zinc nickel. All are RoHS compliant. Contacts are available in gold, nickel or tin plated. Multiple shell plating options are available upon request.

Pricing for the LPT series starts at \$8 per unit. Delivery is 6 weeks ARO.

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

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READER SERVICE INQUIRIES: Please forward all reader service inquiries to June Zeng at Amphenol Industrial Operations, Amphenol Corporation, 40-60 Delaware Ave, Sidney, N.Y., 13838-1395; e-mail: june.zeng@amphenol-industrial.com; Web: www.amphenol-industrial.com.

EDITOR'S NOTE: [Amphenol Industrial Operations](#), headquartered in a 307,000 square foot facility in Sidney, 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 2017 sales topping \$7 billion.