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Enhanced Power Connector Series from Amphenol Features Low Profile, Capacity to Carry High Current

The Amphe-PD series of connectors are ideal when space is limited, like in rack and mount applications

Technical Specifications

- Can carry up to 150A at 500V DC
- Offers wire terminations ranging from 6 AWG to 2 AWG
- Uses proven RADSOK™ technology

Endicott, NY August 2022 – Amphenol Industrial Operations, a global leader in interconnect systems, has enhanced its Amphe-PD series with two [low profile, two-way power connectors](#) that have the capacity to carry high current. The Amphe-PD Mini 5.7mm and Gen2 5.7mm Amphe-PD can be used to transfer power from a PSU/PDU to a CPU, GPU PCB board.

The Amphe-PD Mini 5.7mm is designed to carry up to 120A at 500V DC. These connectors are available in busbar mount, right angle and vertical SMT compatible PCB mount.

The Gen2 5.7mm Amphe-PD can carry a maximum current of 150A at 500V DC. They come in black and red with a plastic housing and are available in vertical SMT compatible PCB mount.

Both connectors offer wire terminations ranging from 6 AWG to 2 AWG and can transfer power from a cable harness to PCB or other power application.

Both connectors in this enhanced power connector series feature a small footprint making them ideal for use in energy storage racks, data center equipment, servers, 5G, HPC and electrical devices where space is limited. They can accommodate reflow soldering or press fit termination onto the PCB.

These 5.7mm connectors feature RADSOK technology for higher amperage, lower t-rise, less resistance, and lower mating forces. This technology allows for more power in a smaller footprint.

The connectors also offer a mechanical latch feature that locks the connector in the mated position.

Both the Amphe-PD Mini 5.7mm and Gen2 5.7mm Amphe-PD are RoHS compliant and are available in UL-94 V0.

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

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EDITOR'S NOTE: [Amphenol Industrial Operations](#), headquartered in a 30,000 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 2021 sales topping \$10.9 billion.