Amphenol Enhances RADSOK Technology
RADSOX R4 can deliver connections up to 200A

Sidney, N.Y. November 2013 – Amphenol Industrial Global Operations, a global leader in interconnect systems, has enhanced its RADSOK technology high current contact system to RADSOK R4. This improved system is available in board-to-board, wire-to-board and busbar-to-board configurations.

Ideal for use by both server and board manufacturers, RADSOK R4 delivers connections up to 200A. The system’s hyperbolic grid contact provides multiple points of contact and a high contact surface area for efficient and low resistance power transmission.

RADSOX R4 features a lower temperature rise than other traditional contact systems in its class, enabling smaller overall connector packaging and compact footprints. With a 25% reduction in outside diameter over previous models, the new R4 helps to further increase power density and save space.

Amphenol’s RADSOK R4 is easily configured to specific application requirements. The versatile RADSOK contact can be efficiently adapted to custom packaging with minimal non-recurring engineering costs. The proven RADSOK radial contact design offers -more-
superior mechanical and electrical performance for high current board termination. The system offers more consistent performance as well as lower voltage drop and contact resistance.

For enhanced radial float tolerance in applications that require blind mate or mechanical robustness, RADSOK Super Twist R4 contacts are available.

RADSOK R4’s laser welded assembly offers better mechanical strength than other contact systems on the market.

The following all use Amphenol’s RADSOK 4 technology:

- RADSTACK, a high current mezzanine board stacking system;
- RADFIN, a low profile, right angle receptacle; sizes up to 200A
- PowerBlok, a connector that provides a high current single-point connection of up to 150A to the PCB utilizing the RADSOK Super Twist contact system;
- RADSERT, contacts that provides a high power-to-board interconnect;
- PGY, an orthogonal connector series available in multiples sizes from 35A to 150A

Amphenol RADSOK, RADSOK R4, Super Twist, RADSTACK, RADFIN, PowerBlok, RADSERT, PGY and Amphenol are trademarks or registered trademarks of Amphenol Corporation.

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

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EDITOR’S NOTE: Amphenol Industrial Global Operations, headquartered in a 675,000 square foot facility in Sidney, N.Y., provides a full range of high reliability connectors and interconnection systems specifically for the industrial markets including base stations, rail/mass transit, process control, automotive manufacturing, heavy equipment, 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 1,400 people and is both ISO9001 and MIL-STD-790 certified.

Amphenol Industrial Global Operations is a division of Amphenol Corporation, Wallingford, CT, one of the largest manufacturers of interconnect products in the world, with year 2012 sales topping $4.3 billion.