



### Amphenol RADSOK® PCB Connectors Provide More Power, No Heat to PCB

February 2008—Amphenol Industrial now offers three compact, high-amperage connectors, ideal for use in high-current, single-point connections to printed circuit boards (PCBs). The new PowerBlok™, RADSERT™, and PGY™ connectors incorporate RADSOK® technology to eliminate threaded connection failures and increase reliability, flexibility, and available surface space within a board design.

Housed in a small package of 12.7mm x 12.7mm (0.500" x 0.500"), PowerBlok provides up to 70 amps to a board. The component's backplane power interface uses compliant pins, which are press-fit into the board, enabling a solid connection

and an even signal flow. PowerBlok features a radial design that ensures many points of contact, as well as a touch-proof cover for safer operation.

Available in either a 2.4mm (0.094") size carrying up to 35 amps or in a 3.6mm (0.141") size carrying up to 70 amps, RADSERT offers the smallest footprint of Amphenol's new PCB line, freeing up the most surface space for added design flexibility. In addition, RADSERT enables designers to bring power to the board from busbars suspended above the board and its components. A standard RADSERT is designed for a board thickness of 6.35mm +/-0.0635mm (0.250" +/-0.025"), with custom sizes available for specific applications.

The PGY, an orthogonal card edge connector, is available in two sizes, 3.6mm (0.141") carrying up to 70 amps and 5.7mm (0.224") carrying up to 120 amps, delivering the highest amperage in the smallest package. Design engineers can achieve the needed size and weight reductions within their design without compromising the power needed for the board.

The RADSOK PCB connector series is RoHS-compliant, and can be applied manually (press-fit) or by a reflow solder process that eliminates the need for additional wires and special crimping tools.

Pricing starts at \$7 (PowerBlok), \$2.50 (RADSERT), and \$2 (PYG) in small quantities. Delivery is eight weeks ARO.

For more information, visit [www.amphenol-industrial.com](http://www.amphenol-industrial.com) or [www.radsok.com](http://www.radsok.com).

