Molex EXTreme OrthoPower™ Solves High Current Design Conundrum

First-to-market orthogonal direct-power connector configuration uses split-blade technology to deliver 60.0A total power to backplane line cards

LISLE, IL – March 25, 2014 – Molex Incorporated recently introduced the EXTreme OrthoPower™ orthogonal direct-power connector system designed for routing power to backplane line cards in networking and telecommunications applications. The new EXTreme OrthoPower system uses a dedicated power card to power each line card for 30.0A in-and-out-routing, delivering a total of 60.0A per module via split-blade technology.

“Direct-power has become increasingly critical because of the need for higher system speeds and more cost-effective solutions. OEM designers are challenged with space and board-routing constraints and, specifically, how best to bring power to line cards,” states Rich Benson, new product development manager, Molex. “The innovative orthogonal style EXTreme OrthoPower connector mounts to a dedicated power card to route power directly to each line card.”

A first-to-market direct-power orthogonal configuration, the Molex EXTreme OrthoPower system reduces cost by eliminating power routing through a separate orthogonal backplane connector. The EXTreme OrthoPower connector features validated power contacts and a robust guidance system for proper mechanical alignment during mating. Packaged in a rugged orthogonal style housing the EXTreme OrthoPower system is based on other proven Molex power connectors, including the EXTreme LPHPower™ and EXTreme Ten60Power™ systems.

“By reducing the number of components for power routing requirements the direct-power orthogonal architecture incorporates a cost-cutting angle, while solving a design conundrum for OEMs who need higher power in a compact package,” adds Benson.
The complete line of Molex EXTreme Power™ products offers high-current interconnect solutions with best-in-class power densities. For more information about the EXTreme OrthoPower orthogonal direct-power connector system please visit www.molex.com/link/extremeorthopower.html. To receive information about other products and industry solutions, please sign up for the Molex e-nouncement newsletter at www.molex.com/link/register.