

FCI and 3M Announce Second-source Agreement for HPCE and HP2 Power Products

FCI, a leading supplier of power products and interconnect systems, and 3M have entered into a second-source agreement covering the High Power Card Edge (HPCE®) and HP2™ power product families.

“We are excited about this opportunity,” said Dong Yu, global power portfolio director at FCI. “Working with 3M will drive the standard for low-profile, high-efficiency power connectors and cable assemblies. HPCE already has great traction in the market and HP2 will further extend the family with innovative, two-piece solutions for board-to-board and cable-to-board applications.”

“3M is extremely pleased to work with FCI by providing the industry with a second source of FCI’s innovative HPCE and HP2 power connectors and cable assemblies,” said David Schneider, global business manager for interconnect, [3M Electronic Solutions Division](#). “FCI’s expertise in power product design and 3M’s expertise in connector technology and material science is a good match to offer a standard, dual-sourced power solution.”

The HPCE connector is a next-generation power card edge connector for demanding applications requiring high linear current density and low power loss. HPCE offers a low profile height (2.8 mm for straddle mount and 7.5 mm for right angle) and is based on very cost-effective and highly reliable stamped-and-formed power contact technology similar to other power solutions from FCI.

The HPCE connector incorporates an innovative power contact and housing design that permits a more compact and lower profile package for demanding AC and DC power supply and/or add-in card applications. HPCE’s low profile height (for maximized airflow), significantly increased linear current density and low contact resistance characteristics are ideal for next generation 1U/2U servers, storage enclosures, telecommunications equipment and datacom/networking equipment.

The innovative HPCE cable-to-card edge is available with the same desirable features as the standard HPCE board mount product but is focused on power distribution applications via cabling. It includes high power (10 – 14 AWG wire) and low power (14 – 16 AWG wire) contact options as well as integrated signal contacts (22 – 26 AWG wire). The modular tooling approach maximizes flexibility to meet a wide range of power distribution requirements including bus bar attachment. The integrated latching option makes it ideal for high shock-and-vibration environments.

The HP2 product is similar to HPCE but utilizes a two-piece design (header-to-receptacle connectors/cable assemblies). Integrated guide features make it ideal for blindmate applications where system guidance is not readily available. The HP2 product is available in board-to-board and cable-to-board configurations and includes power contacts for power distribution and signal contacts for power control.

3M anticipates having the connectors available in early 2013.

About 3M Electronic Solution Division – Interconnect

3M Electronic Solutions Division’s Interconnect business offers a variety of innovative connectors, cables and cable assemblies, embedded capacitance materials and Textool brand test and burn-in sockets for component engineers and designers in the electronics industry. For more information about 3M’s interconnect solutions, visit: <http://www.3Mconnectors.com>. Information about 3M Company is available [online](#).

About FCI

With operations in 30 countries, FCI is a leading manufacturer of connectors. Our 14,000 employees are

committed to providing customers with high-quality, innovative products for a wide range of consumer and industrial applications. For more information: <http://www.fci.com>

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