# Stacking Connector Enables Efficient Use of PCB Space & Delivers +15 Gbps High-Speed Performance

Tyco Electronics

HARRISBURG, Pa. -- Nov. 2, 2010 -- As spatial requirements become more critical in, but not limited to, telecommunications, computer, military and rail systems, Tyco Electronics (TE) developed the STRADA Mesa mezzanine connector to offer a stacking, board-to-board connection solution for efficient PCB space utilization.

The STRADA Mesa product design delivers high-speed performance of +15 Gbps. In addition, the design provides three pin and signal contact arrangement options -- high-speed differential, high-density single-ended and RF/ Coaxial -- to suit various application requirements.

"The STRADA MESA mezzanine connector is a fantastic product line that was created to more closely align with our customers' customizable and spatial system needs," says John Larkin, product manager for STRADA Mesa products, TE. "We are extremely pleased with the release of this practical, high-speed product."

Stack height options start at 8mm and grow to 42mm in 1mm increments -- making the connector ideal for high-speed differential architectures utilizing PCBs arranged in a mezzanine application. The product solves power issues associated with board-to-board stacking through integrated power contacts that are each capable of carrying 14 Amps of current.

The STRADA Mesa connector is available in eight pairs per column and in sizes one, two and three, which when fully loaded with differential pairs, will yield 40, 80 and 120 pairs, respectively. The product design incorporates a pin and socket separable interface and a press-fit PCB attachment, creating an ideal condition for mating multiple connectors simultaneously. Additional features include optional open space for airflow and optional guide systems to accommodate blind mating.

For more information, please contact your local Tyco Electronics Sales Representative or visit our website at www.tycoelectronics.com/products/STRADAmesaPR [1]. Product samples are available upon request.

SOURCE [2]

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