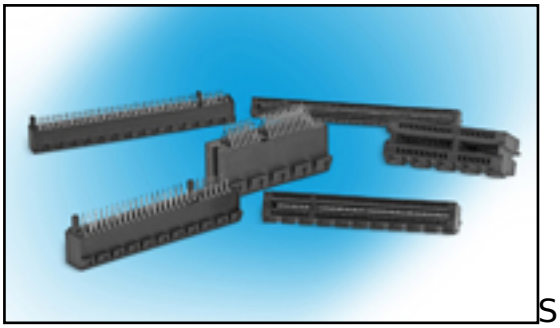
PCIe Edgecard Connectors Feature 1.00 mm Contact Centers



Sullins Connector Solutions expanded its 1.00 mm edgecard connector offering to include a full series of PCI Express (PCIe) parts. Designed to conform to PCI-SIG specifications, the devices enable user upgrades and bandwidth support to implement PCIe technology for desktop PCs and server systems. Featuring slots accepting 1.58 mm (0.062”) thick add-on cards, the edgecard connector series consists of six connectors with 1-32 high-speed serial PCIe lanes, each matching different bandwidth capabilities. These one-piece high-density connectors enable maximum PCB design flexibility and low-cost board assembly processes. The parts are offered with 36(x1), 64(x4), 98(x8), and 164(x16) contact positions in right-angle/straddle mount versions, as well as in vertical/through-hole styles with 230(x24) and 280(x32) positions to support riser card applications. The vertical/through-hole versions may be ordered with a choice of three tail (contact) lengths (2.30 mm, 2.54 mm, and 3.00 mm) to accommodate differing motherboard thicknesses. The right angle/saddle-mount devices are optionally offered with attached ear clips, or pegs. The parts’ serial lanes are comprised of two differential wire pairs which support a data transfer rate of 2.5 Gbs in each direction. Enabling hot plug and hot swap functionality, Sullins’ PCIe series is suited for dense packaging applications requiring the board-to-board connection of 0.062” ±0.008” daughtercards to motherboards. They are engineered to facilitate precision pin alignment on the motherboard as well as accurate contact registration on the mating daughtercard. They may be specified for use in consumer, commercial, and industrial systems including desktop computers, communications equipment, home entertainment, workstations, embedded systems, factory automation, and for graphical interfaces. Average PCIe edgecard connector prices range from $0.006 to $0.028 per contact in quantities of 1,000.

Sullins Connector Solutions
760-744-0125, www.sullinscorp.com [1]

Source URL (retrieved on *03/14/2014 - 7:24pm*):
http://www.ecnmag.com/product-releases/2008/05/pcie-edgecard-connectors-feature-100-mm-contact-centers?qt-video_of_the_day=0

Links:
[1] http://www.sullinscorp.com/