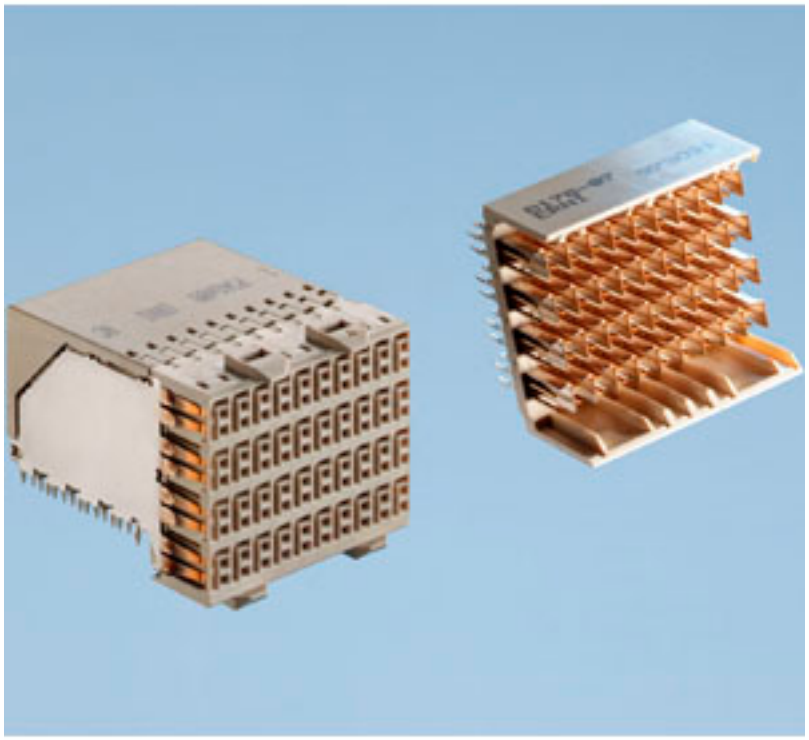
Hard-metric female connector enables 20GB+ data speeds



ERNI has developed a high-speed differential hard metric connector system that enables data rates of 20Gb+ with excellent crosstalk behavior. The ZDplus connector combines an optimal signal routing configuration with the pressfit termination of a female connector option to allow for a better layout on daughter cards. The ZDplus hard metric connector is backward compatible with ERNI's ERmet ZD male connector, enabling systems utilizing existing ZD male connectors to now easily meet the performance requirements of next generation processor technologies.

Available with 40 differential pairs per linear inch, the ZDplus connector's low noise, dual beam, leaf contacts use one ground blade for every signal pair, with a 2.5 mm pitch from wafer-to-wafer. In-line ground arrangement at termination and grounding shield allows for improved pre-alignment guide and polarizing features via four rigid blades in all modules. To achieve maximum performance from ZDplus connectors, back-drilling is recommended to decrease reflections and the overall bit error rate (BER) of the system.

The ZDplus connector system is currently available in 3- and 4-pair female versions for daughter cards. Pricing typically starts at $8.75 in volume with a lead time of stock to six weeks.

For more information, visit http://www.erni.com/ermet-zdplus-high-speed-connector/ [1]

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[1] http://www.erni.com/ermet-zdplus-high-speed-connector/