



Eye-Opener[®]

ZD ASSEMBLIES

Summary

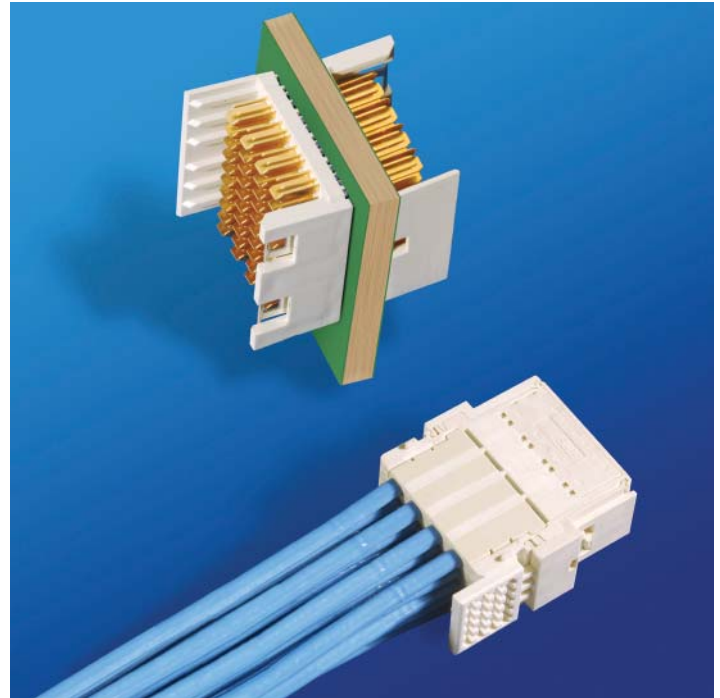
GORE™ EYE-OPENER[®] ZD Cable Assemblies allow high speed digital signals to be transmitted further and with superior signal fidelity. As an extension to Gore's well established 2mm product line, this connector has been optimized to transmit high speed differential signals between 2.5 to 10 Gigabits per second. GORE™ EYE-OPENER[®] ZD Cable Assemblies were developed in conjunction with ERNI Elektroapparate GmbH and is plug compatible with both the ERNI ERmet ZD[®] and the TYCO HM-Zd connectors.

GORE™ EYE-OPENER[®] ZD Cable Assemblies come in a variety of different cable sizes, custom pin-out configurations, and are available in either cable or backplane header compatible versions. EMI backshells can also be incorporated to provide a complete interconnect solution for external cabling requirements.

This modular interconnect product family has been designated a common platform for interoperability testing by the 10 Gigabit Ethernet Alliance XAUI Interoperability Group and 10 Gigabit Ethernet Consortium. The connector has also been selected as the backplane interconnect for the PICMG 3.X (ATCA) industry standard.

GORE CABLE

Gore cable assemblies incorporate automated manufacturing, innovative designs, and unique materials to provide the most consistent impedance controlled cable assemblies. By manufacturing our own bulk cable, Gore can tailor solutions for maximum bandwidth, lowest loss, and tightest skew control. GORE™ EYE-OPENER[®] ZD Cable Assemblies use expanded PTFE dielectric and GORE™ EYE-OPENER +™ cable technology to deliver the widest eyes over the longest distance in the smallest cross-sectional area.



Features and Benefits

- Plug compatible with the ERNI ERmet[®] ZD and the TYCO HM-Zd connector systems
- Low loss, low cross talk, low skew
- Controlled impedance through connector
- Optimized grid design for enhanced electrical performance and trace routing
- Integrated polarization, guidance and mechanical latching

CABLE CONNECTOR SPECIFICATION

Differential impedance	100Ω + 5Ω*
Multi line cross talk	<5%*
Pitch between signals (within pair)	1.5mm
Pitch between pairs (within wafer)	4.5mm
Pitch between wafers	2.5mm
Mating pin length	3.8, 5.3mm

*at 100ps rise time

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