# New type of optical backplane connector for carrier backbone network

Lenses on the chiplet"s surface expand and collimate the light as it propagates between the engine and optical fibers in a connector. A larger spot size and ...

Modern AI and HPC systems rely on a new class of connectors engineered for stratospheric bandwidths. Offerings like TE"s Adrenaline Slingshot, Samtec"s NovaRay®, and Molex"s Inception meet or exceed ...

on and performance of next generation optical backplane interconnect components. This low cost, dense optical interconnect technology combined with recent advances in 10G/lane and beyond, mini.

Next-generation VPX interconnects allow the signal transition path to expand to 100G bandwidth through a traditional copper backplane. Backplane assembly and test in the production environment are ...

Lenses on the chiplet"s surface expand and collimate the light as it propagates between the engine and optical fibers in a connector. A larger spot size and collimated light relax the alignment tolerances to ...

The Versatile Format Interconnect (VFI) Optical Backplane System offers flexible density options, reduced contamination risk and high optical performance, using MT-ferrule footprints.

High-speed, high-density backplane systems include ExaMAX® and XCede® HD in a variety of pair and column counts. ExaMAX® enables up to 56 Gbps performance and allows designers the option to ...

In data center switches and routers, our Z-PACK Slim UHD backplane connectors accelerate transmission in the smallest possible footprint, which frees up space on the PCB. Our high speed ...

TE Connectivity"s VITA 66 Ruggedized Optical Backplane Interconnects address fiber-optic connection needs for the VPX ecosystem. The VITA 66 standard for optics gives you the choice ...

Early in the design cycle, Amphenol helps customers understand important design trade-offs with integrated backplane system solutions that meet increasing bandwidth needs by optimizing ...

The LightCONEX ® optical interconnect family includes plug-in and backplane module connectors that have been developed to be compliant with the forthcoming VITA 66.5 standard and in alignment with ...

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