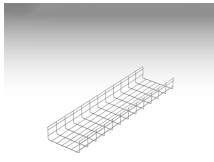


Energy-efficient high-speed optoelectronic connector original and genuine product



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These results reveal the great potential of such devices for constructing an artificial visual system with high energy efficiency and high biological plausibility.



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To address these challenges, we design and experimentally demonstrate a chip-scale VCSEL array transmitter that combines high-speed modulation, energy-efficient operation, and integrated beam ...



A survey of optical automotive Ethernet, including POF-based physical layers, IEEE 802.3bv, EMC and energy-efficiency considerations, and future in-vehicle applications.



In summary, we have successfully developed high-performance SWCNT optoelectronic synaptic TFTs, leveraging photosensitive pyridine-based polyfluorene derivatives for the first time, ...



Abstract: The ever-increasing demand for data centers and high-performance computing systems necessitate power-efficient, low-latency, and high-density interconnect design.



This paper focuses on architectural and circuit-level techniques for both PICs and EICs to improve the energy-efficiency at high data rates. In Section II we discuss how various types of optical modulators ...



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