

By freeing up the silicon beachfront and embedding optical IO in the middle of the die, Photonic Fabric shatters the "beachfront" limitations of traditional SoCs. It delivers an exceptionally ...

These SoCs are suitable for use within QSFP-DD, OSFP and COBO module form factors. The integrated laser driver delivers greater than 1.8V of single-ended driver output swing necessary ...

The single-chip mixed-signal SoC integrates an Electronic Dispersion Compensation (EDC) engine and nonlinear DSP to compensate for chromatic dispersion in fiber cable up to 40 Km. Accelerate optical ...

Spica 800G PAM4 DSP Family, including the Spica Gen2 DSP, to enable 800G optical transceiver modules for hyperscale data centers and AI networks. Supports both Ethernet and InfiniBand ...

The System-on-Chip (SoC) is the key component in modern optical modules. It integrates multiple functional blocks into a single chip, including laser drivers, photodetector ...

MALTA, N.Y., May 4, 2026 - GlobalFoundries (Nasdaq: GFS) (GF) today announced the introduction of its SCALE(TM) optical module solution for co-packaged optics (CPO).

We developed a system-on-chip (SoC)-incorporated light-emitting diode (LED) and avalanche photodiode (APD) modules to improve the usability and flexibility of a fiberless wearable ...

Summary essfully interoperate at 400G with LPO modules, and the results exceed LPO-MSA version 1.0 specifications. FPGA-based NICs, combined with LPO modules, can significantly improve the Total ...

3U VPX module built on Versal Premium Adaptive SoC, delivering high-bandwidth optical I/O and dual QMC sites for advanced embedded processing systems.

The optical components used in these modules have the major functions of collimation, coupling, or focusing, and they are usually made with materials including optical glass, fused silica, ...

Web: <https://csc-energia.com.pl>