

Optical Cross-Connector GF



Overview

This new optical connectivity solution, built on the GF's silicon photonics platform, enables broadband and high-radix to meet the growing demand for high-speed data transmission while improving the serviceability of CPO Switches for both scale-up and scale-out topologies. Glass-waveguide based detachable fiber connector solutions enabling co-packaged optics will be demonstrated at ECOC 2025 and GF's Technology Summit MALTA, N., September 29, 2025 – GlobalFoundries (NASDAQ: GFS) (GF) today announced a collaborative effort with Corning Incorporated (NYSE: GLW) to. UK – Corning Incorporated (NYSE:GLW), today announced a collaborative effort with GlobalFoundries (NASDAQ: GFS) (GF) to develop detachable fibre connector solutions for the GF Fotonix™ silicon photonics platform. The partners will demonstrate the first glass-waveguide based edge-coupler. We're excited to share SENKO Advanced Components, Inc. It arrives at a crucial moment for the industry.

Article Content

Optical Crossconnects

Optical crossconnects are just now coming onto the market with these benefits and more. Optical crossconnects are very much designed with simplicity in mind.

GlobalFoundries and Corning Collaborate To Deliver Detachable Fiber ...

"There's something truly powerful in combining GlobalFoundries' and Corning's expertise in silicon process and optical connectivity—together, we're enabling new possibilities for the AI

Optical cross-connects

Optical Cross-Connects – Part 2: enabling technologies discusses the different optical switching technologies and evaluates their strengths and

Fiber Connector Types: A Complete Guide (2024)

What is a Fiber Connector? The fiber connector is called a fiber optic or optical fiber connector. It is a precise coupling device that joins fiber optic

Appendix A: Optical Connector and Fiber Cable

The optical port in the transceiver is a pair of LC connectors which mate with fiber-optic cables with duplex LC connector. Optical LC Receptacle (transceiver, front view)
Reference: IEC

200x200 Automated Optical Fiber Cross-Connect Equipment

The evaluation results confirm that the automated optical fiber cross-connect equipment is suitable for practical use in intelligent buildings and optical access networks.

SENKO and GF Achieve Breakthrough in Optical Connectivity

We're excited to share SENKO Advanced Components, Inc. and GF have achieved an important breakthrough in optical connectivity with a new detachable fiber connector solution tested at the...

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To resolve this problem, the hierarchical optical path cross-connect (HOXC) – is being investigated; it can handle hierarchical bandwidth optical paths, wavelength paths and wavebands ...

ECOC25: GF and Corning Develop New Detachable

GlobalFoundries (GF) and Corning announced a collaboration to co-develop detachable fiber connector solutions for silicon photonics platforms,

Optical Crossconnects

Optical core crossconnects can also be surrounded by optical-to-electrical-to-optical converters to provide some of the grooming and wavelength conversion capabilities offered by electrical core

Optical Cross Connects

Multichannel add/drop and cross-connect using fibre Bragg gratings and optical switches Optical path cross-connect node architectures for photonic transport network

Optical Cross-Connects

The development of wide-area WDM networks requires wavelength routing that can be reconfigure the network while maintaining its transparent

GlobalFoundries, Corning Partner on AI Datacenter

The collaboration combines Corning's expertise in glass, optical fiber, and connectivity technologies with GF's high-volume manufacturing

GlobalFoundries and Corning Collaborate To Deliver

Glass-waveguide based detachable fiber connector solutions enabling co-packaged optics will be demonstrated at ECOC 2025 and GF's

Fibre Optic Cable & Connector Guide

Choices must be made in selecting fibre optic cables and connectors for high-reliability applications. This white paper provides the knowledge for how to make appropriate selections of fibre optic cable and

GlobalFoundries and Corning Collaborate To Deliver Detachable Fiber ...

Glass-waveguide based detachable fiber connector solutions enabling co-packaged optics will be demonstrated at ECOC 2025 and GF's Technology Summit.

Corning and GF to launch detachable fibre connectors for AI

The latest solution, a glass-waveguide based edge-coupler compatible with GF Fotonix's v-grooves, is designed to meet the growing demands of AI datacentres for high bandwidth and power

Fibre optic connector systems | singlemode and multimode

Fibre optic connector systems for almost every aspect of fibre optic cabling. Standard, individual and robust connectors.

GlobalFoundries and Corning Collaborate To Deliver

"There's something truly powerful in combining GlobalFoundries' and Corning's expertise in silicon process and optical connectivity—together, we're

SENKO and GlobalFoundries Achieve Breakthrough in Wafer-Level ...

This new optical connectivity solution, built on the GF's silicon photonics platform, enables broadband and high-radix to meet the growing demand for high-speed data transmission while improving the

Corning and GlobalFoundries Collaborate To Deliver Detachable Fibre ...

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Mechanical Optical Fibre Cross Connect

Cross connect in the physical layer of the optical network is needed of several reasons. They may vary from operator to operator depending on the network architecture. The main reasons in many cases

Large-Scale Photonic Integrated Cross-Connects for Optical ...

An 8×8 InP cross-connect chip for optical switching within ROADMs is employed for demonstrating optical feed-forward neural networks for analog data processing. An all-optical approach is also

GlobalFoundries and Corning Collaborate on Detachable Fiber

GlobalFoundries announced a partnership with Corning Incorporated to create detachable fiber connector solutions for its silicon photonics platform, targeting the increasing demands for high

GlobalFoundries, Corning Partner on AI Datacenter Optical Solutions ...

The collaboration combines Corning's expertise in glass, optical fiber, and connectivity technologies with GF's high-volume manufacturing capabilities in silicon photonics. The partnership

The FOA Reference For Fiber Optics

Fiber optic joints or terminations are made two ways: 1) splices which create a permanent joint between the two fibers or 2) connectors that mate two fibers to

ECOC25: GF and Corning Develop New Detachable Fiber Connector

GlobalFoundries (GF) and Corning announced a collaboration to co-develop detachable fiber connector solutions for silicon photonics platforms, targeting high-density, power-efficient optical

Optical Cross-Connect (OXC) Fundamentals

An optical cross-connect (OXC) is a network device that switches high-speed optical signals between fiber inputs and outputs without converting

Contact Us

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