

# **High-precision Jamaican optical backplane connector**





## High-precision Jamaican optical backplane connector

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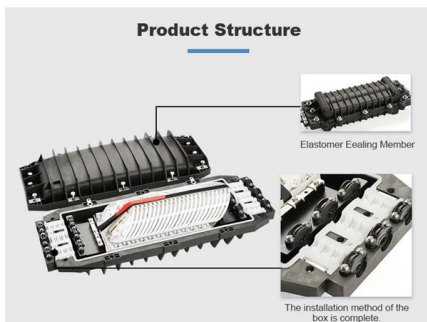


### RUGGEDIZED HIGH-DENSITY OPTICAL INTERCONNECTS

High-density Circular MT Optical Cable Assemblies are designed for critical, high-reliability applications used by telecommunication, military, medical and many other industries. Utilizing the low-profile Circular

### Board-to-Board , High-Speed Backplane

Board-to-Board , High-Speed Backplane Explore Amphenol's high-speed backplane connectors, delivering industry-leading density and performance for today's most



### Next generation, high density, low cost, multimode optical backplane

ABSTRACT This paper describes the development, termination and performance of next generation optical backplane interconnect components. This low cost, dense optical interconnect technology

### MXC® Connector

MXC® Connectors The MXC® connector platform is a versatile, cost effective, next generation connectivity solution optimized for direct interface to equipment densely populated with mid-board



### **Next Generation High-Speed Backplane Interconnect**

This backplane connector system is designed to meet 56Gb/s PAM4 industry specifications with plenty of SI margin while maintaining mating interface



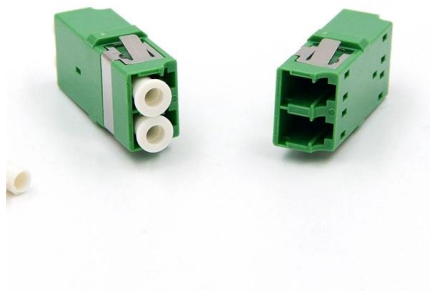
### **Backplane connector by Amphenol Aerospace , AeroExpo**

Amphenol's VITA 66 family of products are ruggedized blind mate optical MT Module/Backplane connector systems designed to meet the VITA 66.1 and 66.4



### **Quick Reference Guide High Speed Backplane Interconnect Solutions**

High Speed Backplane Interconnect Solutions  
The emergence of faster data rates, and decreasing signal rise times, requires better performing, high speed connectors. TE Connectivity's broad





## 6 MT BACKPLANE

6 MT Backplane Receptacle SENKO's Optical Backplane connector with AirMTTM technology represents a cutting-edge solution for high-speed data centers and rugged environments. This



### Backplane Connectors

Delivering signal speeds up to 112Gbps, the Impulse Backplane Connector System provides a flexible, scalable and modular solution with cable, conventional and

### Sample manuscript showing specifications and style

The optical waveguide design includes arrayed multimode waveguides with a pitch of 250 um, multiple cascaded waveguide bends, non-orthogonal crossovers and in-plane connector interfaces. In



### Backplane Connectors, Micro Backplane Connector

High-speed, high-density backplane systems include ExaMAX® and XCode® HD in a variety of pair and column counts. ExaMAX® enables up to 56 Gbps



## High-density optical wiring technologies for optical backplane

We have developed a high-/spl Delta/ downsized MMF that can withstand bending and a multi-fiber MT connector that allows on-site installation without polishing, as optical wiring technologies for



## A fiber optic connector designed for military optical backplanes

A fiber optic connector designed to meet military stress requirements has been demonstrated. This reliable optical card-edge (ROC) connector is a multifiber backplane connector (four fibers, blind

## Cable Backplanes Come of Age

Cable backplanes have been a longtime feature of high-performance computing, undergoing several evolutions to keep up with speed and bandwidth



## Backplane Connectors

Offering a broad portfolio of backplane connectors that include SOSA aligned optical, COTS plus hard metric, VITA standard and high speed twinax interconnects. Our



### LightCONEX Optical Backplane connectors , Smiths

The LightCONEX ® optical interconnect family includes plug-in and backplane module connectors that have been developed to be compliant with the



### Optical Solutions

Optical Flex Circuits FlexPlane Optical Flex Circuits provide versatile, high-density routing on a flexible substrate, and Routed Ribbon Solutions offer cable

### LightCONEX Optical Backplane connectors , Smiths

The backplane connector has a spring-loaded mechanical transfer (MT) ferrule to ensure a secure MT-to-MT mating connection under extreme shock and vibration



### Backplane Connectors, Micro Backplane Connector

Samtec's backplane connectors include ExaMAX® for high-speed 56 Gbps PAM4 performance and XCede® HD for high-density flexibility and space savings.



### Optical Backplane Connector

SENKO' Optical Backplane connector with AirMT(TM) technology offers excellent optical performance and stability. Blind mating technology connects up to 144



### TE Connectivity: Connectors & Sensors for a Connected, Sustainable

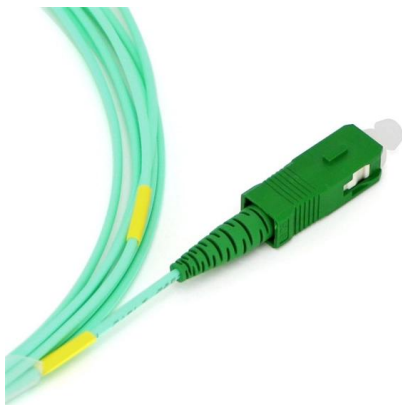
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### Optical Backplane Connector

SENKO' Optical Backplane connector with AirMT(TM) technology



Network Cabinet & Rack



### Microsoft PowerPoint

An optical backplane (or "backplane system") is a circuit board with group of optical connectors in parallel with each other, so that each signal connection of each connector is linked with optical



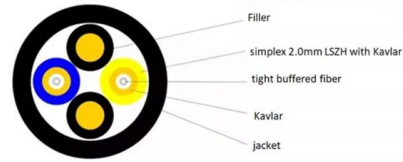
## Backplanes , Open.Tech

Open.Tech by Amphenol offers expertly machined VITA 46 backplane guide pins designed to provide precise alignment and secure connections for high



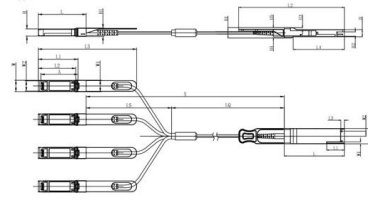
## High Speed Backplane Connectors , TE Connectivity

High-speed backplane connectors for keeping data flowing Our broad portfolio of high-speed backplane connectors provides you with the design flexibility you



## VPX Backplanes Go Optical

VPX Backplanes Go Optical VPX backplanes surpass 40 Gbps in copper Ethernet and also gain a backplane optical interface connector. By Michael Munroe, Technical Specialist, Elma Bustronic



Unit mm

OSFP28	L	L1	L2	L3	L4	W	W1	W2	H	H1	H2	H3	H4	H5	H6
Max	72.2	-	328	4.35	61.4	18.45	-	6.2	8.6	12.4	5.35	2.5	1.6	2.0	-
Type	72.0	-	4.25	61.2	18.35	-	-	8.5	12.2	5.2	2.3	1.5	1.8	6.55	-
Min	68.8	16.5	324	4.05	61.0	18.25	2.2	5.8	8.4	12.0	5.05	2.1	1.3	1.6	-

SFP28	L	L1	L2	L3	W	W1	W2	H	H1	A
Max	57.6	47.7	44.55	119.9	13.8	14.0	12.3	8.7	10.3	45.25
Type	57.4	47.5	44.35	117.9	13.55	13.8	12.1	8.5	10.1	45
Min	57.2	47.3	44.15	115.9	13.3	13.6	11.9	8.4	9.9	44.65

## MXC® Single Port Blind Mate Connector

With the advent of on-board and co-packaged optics, backplane is now targeted for mainstream applications. The MXC® Single Port Blind Mate connector solves significant challenges including low



## High Speed Backplane Connectors , Amphenol CS

Whether the priority is a proven cost-optimized solution or the best performing backplane connector on the market, Amphenol is your source for



## Contact Us

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For datasheets, pricing, or custom high-speed optical interconnect solutions, please visit:  
<https://www.syropy.com.pl>