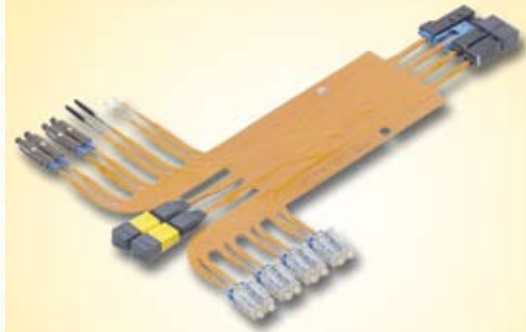


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■ Connectivity for
Business-Critical Continuity™

Passive Optical Products Guide



Stratos Optical
Connectivity Solutions


EMERSON
Network Power

Multi-Fiber Products

OPTICAL FLEX CIRCUITS



Planar Optical Flex Circuit

- Compact solution for complex fiber management
- Pre-configured channels, ports and routings reduces installation time
- Automated fiber laying provides precise fiber circuit design and tight length tolerances
- Compatible with all industry-standard connectors
- Complements backplane connectivity
- Customized shapes and materials



Non Planar Shuffle

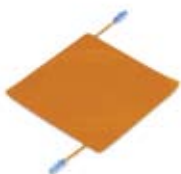
- High density shuffle in compact design
- Up to 144 fibers
- All V0 rated materials

COMPONENTS AND SPECIALTY PRODUCTS



Test Loopbacks

- Facilitates burn-in and system testing
- Singlemode and multimode
- MT, MTP, HBMT and MPX form factors
- Custom attenuation levels available
- Customized fiber routing



Delay Loop

- Fiber lengths in compact package
- Precise fiber lengths to synchronize signals
- Industry connectivity

ASSEMBLIES



HBMT

- High-density backplane connector with up to 24 fiber channels
- Singlemode, premium singlemode or multimode
- Patchcord, trunk and harness cable constructions
- Available in motherboard and daughterboard connectors



MPO-MTP™ Assembly

- High-density connector with up to 24 fiber channels
- Singlemode, premium singlemode and multimode



Fan-out Harness

- MT based connectivity
- Up to 24 high density channels
- Ribbon, jacketed, 900 micron, 2mm, 3mm, simplex, or duplex



Ruggedized Ribbon

- Rubberized flexible ribbon
- Resistant to corrosive chemicals
- Industrial and military environments

OVERMOLD TECHNOLOGY



Overmold Transceiver

- Low cost pre-configured patch lengths
- Multiple data rates and protocols



Overmold Transitions

- Fan out harness construction
- Custom shapes and mounting holes
- High temperature materials available
- RoHS compliant



Overmold Backshells

- High tensile load
- 90° straight or fan out

Harsh Environment

EXPANDED BEAM CONNECTORS AND ASSEMBLIES

HMC

- Miniature housing 21mm diameter
- 2 and 4 channel, multimode or singlemode
- Rugged hermaphroditic construction
- Cable assemblies with bulkhead and plug configurations.



HMA and HxMA

- 2 and 4 fiber channels, multimode or singlemode
- Hermaphroditic interconnection
- Backshell options: straight and 90 degree
- Compatible to MIL-DTL-83526/20 and /21
- RFID enabled for inventory control and paperless test data storage



Hx1080

- SMPTE compatible - optical and electrical
- Rugged hermaphroditic construction
- Field serviceable - easy to clean
- Typical optical performance: -0.75dB IL & >-45dB RL
- RFID enabled for inventory control and paperless test data storage



S900

- 2 and 4 channels, multimode or singlemode
- Rugged anodized aluminum and stainless steel
- Hermaphroditic interconnection
- Cables assemblies with both bulkhead and plug configurations



HTC

- 2 and 4 channels, multimode or singlemode
- MIL-C-38999 Series III shell size 13 with shell 11 option
- Backshell options: straight, 90°, 130°
- Cable assemblies in bulkhead and plug configurations



S960 (Eurocomm TYPE II)

- 2 to 12 fiber channels, multimode or singlemode
- Rugged hermaphroditic construction
- Field repairable design
- Cable assemblies in bulkhead and plug configurations



RLC Connector

- Shutter provides eye safety and prevents contamination
- External cap and aluminum housing for rugged I/O interface
- Industrial, Broadcast and Military applications

Harsh Environment

HARSH ENVIRONMENT ACCESSORIES



Bullet Adapters

- Eliminates hybrid jumper cables
 - HMA to TFOCA
 - HMA to TFOCA-II®
 - TFOCA to ST, SC, LC, FC
 - HMA to ST, SC, LC, FC
- ©TFOCA-II is a registered trademark of Fiber Systems International



Active Bulkhead

- Transmission distances to 2 km using multimode fiber
- Multiple protocol: T1, DS3 and Ethernet
- Industrial temperature and vibration
- Single and dual channel ports available
- Full media conversion



Cable Reel

- Military, Industrial and AV reels
- Backpack style, ManPack Reels
- Many sizes to accommodate length options



Singlemode/Multimode Converter

- Data rate up to 100mb
- Bi-directional conversion, multimode/singlemode
- Ruggedized housing for field use



Termination Kit

- Field style repair kit
- Available for most expanded beam connectors



Fiber Optic Rotary Joints

- Provides a rotating 360° axis
- Singlemode and multimode
- High pressure, water submersion, high RPM and multi-fiber models available
- Water and dust resistant



Ruggedized In-line Splice

- 2 and 4 channels, multimode and singlemode
- LC connector polish configuration
- Field termination in 30 minutes



Loopback

- Facilitates burn-in and system testing
- Singlemode and multimode
- 2 and 4 channel
- Hermaphroditic interconnection

Wave Division Multiplexing Products



MiniMetro CWDM Module

- Bi-directional communication over single fiber
- Low insertion loss and high isolation
- Up to 8 channels plus expansion port
- Telcordia GR 1209 qualified
- Thin film - free space optics



Metro Channel CWDM Module

- Up to 18 channels: 1270 nm-1610 nm
- 3 port filter technology - thin film
- Telcordia GR1221 qualified
- MUX/DEMUX/OADM options



DWDM Modules

- 100 GHz and 200 GHz
- Telcordia GR 1221 compliant
- C and L Bands
- 4, 8, 16 and 32 channels standard



Integrated Modules

- Chassis pluggable passive and active components
- Rack mount solutions: 19 inch, LGX or custom
- Easily upgrades network for CWDM use
- Provide simple user interface for CWDM and DWDM technologies

Single Fiber Products

INDUSTRY STANDARD CONNECTORS AND ADAPTERS



- Small Form Factor: LC and MU
- One-piece Unibody design provides extra support and rigidity
- ST, SC, ESCON, FC
- Singlemode and multimode (APC and UPC)
- Simplex and duplex
- Quick-cure series available in SC, ST and LC
- Field termination kits available

ASSEMBLIES

Cable Assemblies

- LC, SC, FC, ST, MU, ESCON
- Factory terminated and tested
- Patch cord and pigtail
- Telcordia RoHS compliant



CATV/Optical Service Nodes

- Provides outdoor interconnections
- ST, SC, FC, MU or LC connectors (APC or UPC)
- Standard fiber counts

Test Loopbacks

- Facilitates burn-in and system testing
- Singlemode and multimode
- LC, SC, MU form factors
- Custom attenuation levels available

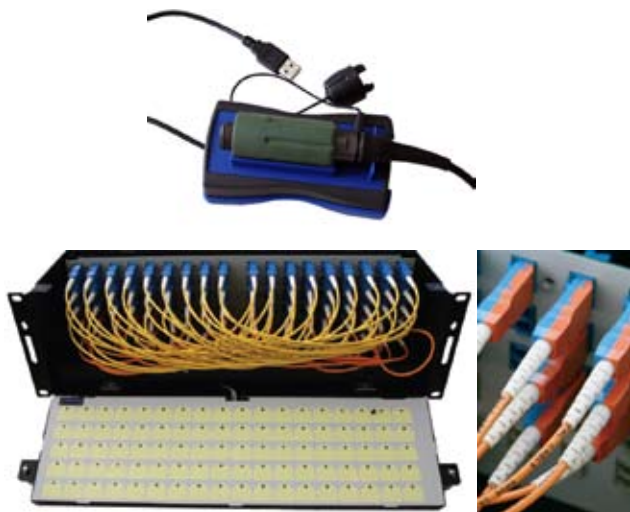


Trunk Cable

- Indoor and outdoor rated
- Riser, plenum and low-smoke
- Single and multi-fiber connectivity
- Standard fiber counts



INTELLIGENT RFID PATCH PANEL MAPPING



- Mapping of cabling networks using RFID technology
- Monitoring system fully IP enabled for global remote monitoring
- Automated paperless documentation for the physical layer
- Configurable data write space on RFID chip
- Handheld or desktop tools
- High density optical patch panels 36 to 90 duplex LC ports

COMPONENTS AND SPECIALTY PRODUCTS

Plug-in Converter Adapters

- Enables quick and easy form factor conversion
- Singlemode and multimode
- Standard orientations include SC-LC, SC-MU and LC-MU



Compact LC Adapter System

- Innovative design provides additional board real estate
- Singlemode and multimode
- Easy to install



Plug-In and In-line Attenuators

- Provides fixed attenuation levels (1-20 dB)
- LC, SC, FC, ST and MU form factors
- Custom attenuation levels available



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About Emerson Network Power Connectivity Solutions

Emerson Network Power Connectivity Solutions, an Emerson business, serves the needs of wireless communications, telephony and data networks, CATV, security systems, health care and industrial facilities with a full spectrum of broadband copper and fiber optic connectivity products. For more information, visit www.EmersonNetworkPower.com/Connectivity.

About Emerson

Emerson (NYSE: EMR), based in St. Louis, is a global leader in bringing technology and engineering together to provide innovative solutions to customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. For more information, visit www.gotoemerson.com.

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