



SFP Cage Assemblies Multi-Port Stacked with SlimStack™ Connectors

79527

Customized and Standard Small Form-factor Pluggable (SFP) Multi-Port Stacked Cage Assemblies with SlimStack Connectors Provide One-Piece Convenience and Superior Electrical Performance

These SFP Multi-Port Stacked Cage Assemblies from Molex provide a simplified one-piece solution to meet customer requirements for high-density SFP module spacing. Available products support up to 4.25Gbps data rates with power-filtering circuitry. Standard versions feature an elastomeric gasket that reduces insertion force into the I/O panel while ensuring a reliable EMI seal. These assemblies feature the Molex Board-to-Board SlimStack connector to maintain signal transmission speeds and minimize costs. Circuit components have been designed into the assemblies to optimize electrical performance.

The product offering consists of standard and customized assemblies, tailored to suit customers' applications:

Standard Products - begin with two versions which utilize two 1-by-4 SFP cages (series 73927) installed

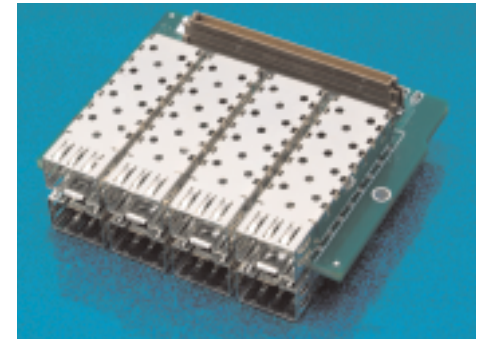
Features and Benefits

- Single-piece board-to-board assembly provides easy installation and facilitates ordering and inventorying of components
- High-speed electrical performance tested to 2.5Gbps and 4.25Gbps supports high-speed networking and data exchange equipment
- Individual electrical customization provides added board components for power filtering, enhanced electrical performance and added LEDs and lightpipes
- Mechanical customization allows board size to fit customer dimensions and shape and reduces lead time for modification and design changes

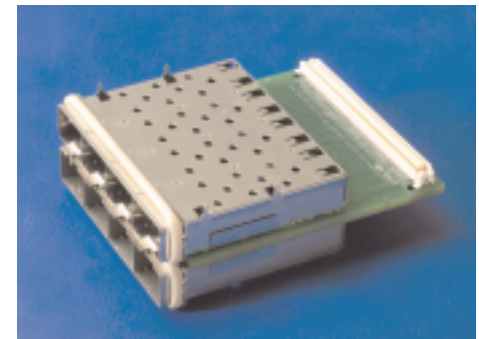
belly-to-belly using one spacer board. The interface to the host board is achieved with a 0.635mm (.025") SlimStack connector.

Styles include an original SFP-chassis style or a version compliant with the ATCA* (Advanced Telecom Computing Architecture) standard, the difference specified by the height of the interface connector. The ATCA version uses a 7.00mm (.276") height while the standard version uses a 10.00mm (.394") height connector.

Customized Products - include different configurations of SFP cages, along with the addition of power filtering components on the spacer board, customized mechanical outlines or the options of pre-installed LEDs and light pipes.



Custom SFP Multi-Port Stacked Assembly Host PCB Side Up with SlimStack Connector



SFP Multi-Port Stacked Assembly Standard Form Factor Chassis

SPECIFICATIONS

Reference Information

Packaging: Box
Mates With: 73929 Copper Patch Cable, 74720 HSSDC2 Copper Pluggable Module and industry-standard optical SFP modules
Used With: 0.635mm (.025") SlimStack Connector Plug on host PCB
Designed In: Millimeters

Electrical - SFP Connector (74441)

Voltage: 30V
Current: 0.5A
Contact Resistance: 10mΩ max.
Dielectric Withstanding Voltage: 300VAC
Insulation Resistance: 100MΩ min.

Electrical - 0.635mm (.025") SlimStack Receptacle

Voltage: 100V
Current: 0.5A
Contact Resistance: 40mΩ max.
Dielectric Withstanding Voltage: 250V AC
Insulation Resistance: 1000MΩ min.

Mechanical

SFP Connector contact retention to Housing: 4.4N (1.0 lb)
Mating Force: 22N (5.0 lb)
Unmating Force: 8.8N (2.0 lb)
Normal Force: 0.8N (80g)
Durability: 200 cycles

Physical - SFP Connector (74441)

Housing: High-temperature thermoplastic
Contact: Copper Alloy
Plating: Contact Area - 0.38μm min. Gold
Solder Tail Area - Gold flash or 2.54μm Tin/Lead
Underplating - 2.54μm Nickel

Physical - 0.635mm (.025") SlimStack Receptacle

Housing: White Glass Filled LCP, UL 94V-0
Contact: Copper Alloy
Plating: Gold over Nickel
Operating Temperature: -55 to +85°C

Physical - Multi-Port Stacked SFP Cage (79527)

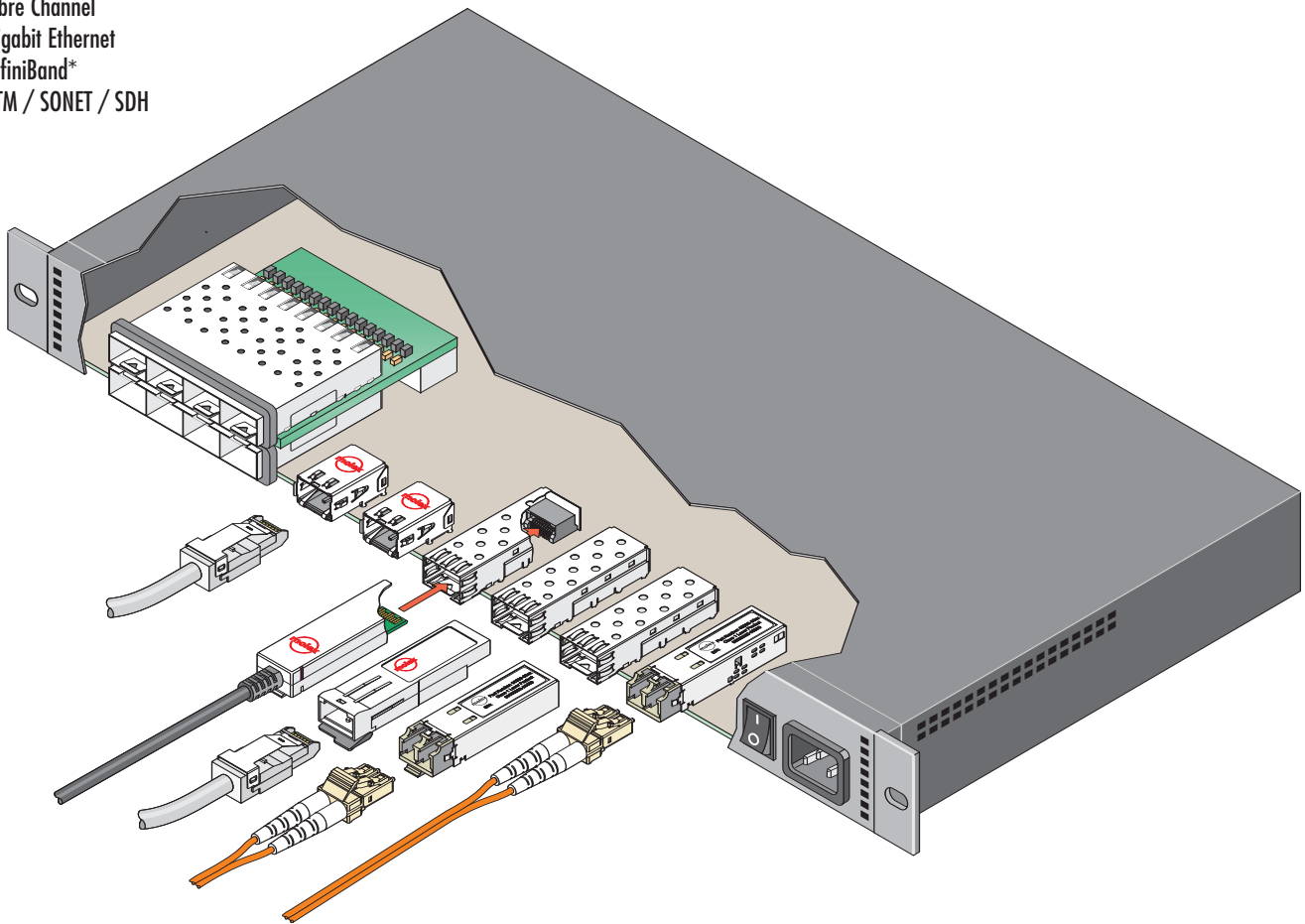
Housing: Nickel-Silver alloy
PCB Thickness: 3.00mm (.118") min. for single-sided PCB, 3.81mm (.150") min. for double-sided PCB
Operating Temperature: -55 to +85°C



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- Networking and Storage
- Optical and Copper Adapters
 - Fibre Channel
 - Gigabit Ethernet
 - InfiniBand*
 - ATM / SONET / SDH



*InfiniBand is a registered trademark of the InfiniBand Trade Association.

ORDERING INFORMATION

Order No.	Number of Ports	Description
79527-5001	8	SFP Cage Assembly, Two 1-by-4 SFP Cages , Multi-Port Stacked, 4.25Gbps with Power Filtering Circuitry, Standard Form Factor Chassis, PCB Mounting Flanges
79527-5002	8	SFP Cage Assembly, Two 1-by-4 SFP Cages , Multi-Port Stacked, 4.25Gbps with Power Filtering Circuitry, ATCA Standard Compliant Chassis (Low Profile), PCB Mounting Flanges
79527-5003	8	SFP Cage Assembly, Two 1-by-4 SFP Cages , Multi-Port Stacked, 4.25Gbps with Power Filtering Circuitry, ATCA Standard Compliant Chassis (Low Profile)

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