

FEATURES AND SPECIFICATIONS

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molex® 4 Gbps SFP Cable Assemblies

74742 Passive Assemblies

74743 Active Assemblies

Molex expands SFP product offering: 4 Gbps cable assemblies address continued market demands for high-speed network requirements

Molex's 4 Gbps cable assemblies integrate Small Form-factor Pluggable (SFP) passive and active transceivers into a high-performance cable assembly. The cables are designed to meet and support high-speed data rates up to 4.25 Gbps.

The SFP system follows the function of standard Gigabit Interface Converter (GBIC) products, with reduced size and increased data-transfer rates. The SFP 4 Gbps cables, along with all Molex SFP products, are multi-sourced, industry-standard products, featuring a common design interface for use with multiple data transfer protocols, including Fibre Channel, Gigabit Ethernet and InfiniBand.*

Active assemblies permit cable lengths up to 15.0m (49.21'). Passive assemblies meet eye-pattern specifications up to 3.0m (9.84'). Individual modules are not sold separately at this time.

Molex provides an extensive and rapidly expanding line of SFP interconnect products to meet the need for denser and faster packaging for high-speed serial interfaces. For more detailed information, please visit: www.molex.com/product/sfp.html.



Features and Benefits

- Designed to meet Fibre Channel, InfiniBand and Gigabit Ethernet standards to ensure transceivers are compliant with SFP MSA
- Hot pluggable transceivers allow insertion and removable of plug without powering down the system
- Unique thumb latch provides intuitive squeeze and pull-latching mechanism
- Zinc diecast backshells provide 360° Electro Magnetic Interference (EMI) shielding
- Improved PCB design matches impedance to reduce reflection at higher speeds
- Serial ID allows serial identification of each SFP transceiver

SPECIFICATIONS

Reference Information

Packaging: Bag and Box
UL File No.: E72548 vol. 1C
Mates With: Series 74441

Electrical

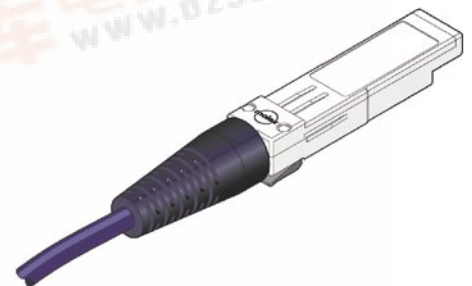
Voltage: 3.3V
Current:
Passive: 30 milliamps max.
Active: 175 milliamps max.

Mechanical

Durability: 250 cycles

Physical

Housing: Zinc (Zn) die cast
Housing Plating: Nickel (Ni)
PCB Contact: Gold (Au)
Operating Temperature: 0 to +70° C



InfiniBand is a registered trademark of the InfiniBand Trade Association



APPLICATIONS

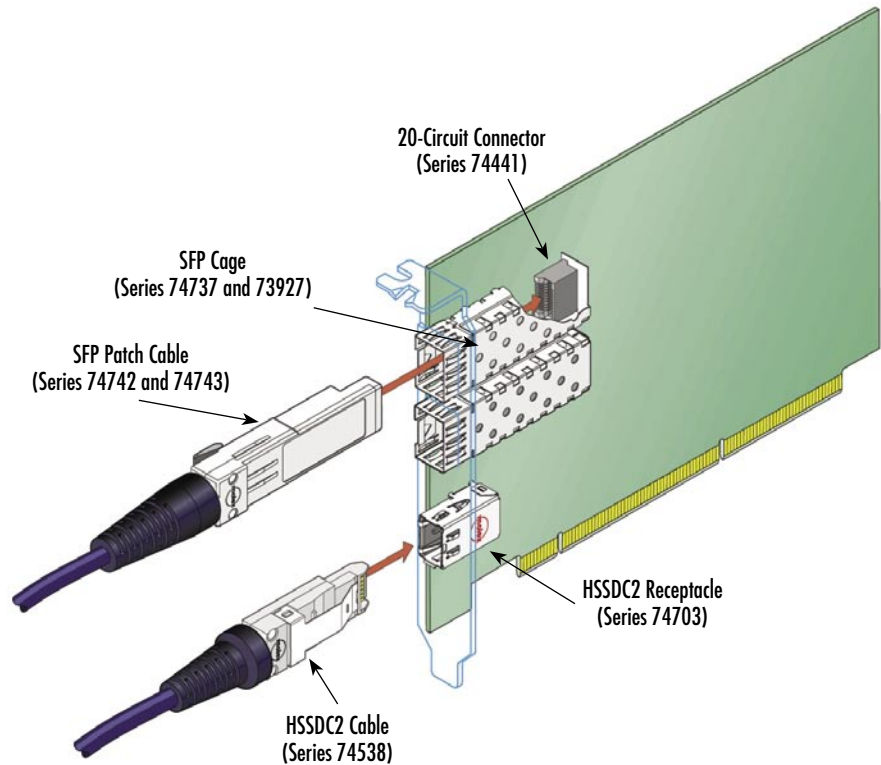
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molex® 4 Gbps SFP Cable Assemblies

74742 Passive Assemblies

74743 Active Assemblies

- Networking Equipment
 - Switches
 - Routers
 - Storage racks
 - Hubs (customers: Symbol, Cisco)
- Data Communications Equipment
 - High-end servers
- Typical Customers
 - HP
 - Network Appliance
 - IBM
 - EMC



ORDERING INFORMATION

Order No.	Connector to Connector	Cable Length
74742-0001	Passive	1.0m (3.28')
74742-0002		2.0m (6.56')
74742-0003		3.0m (9.84')
74743-0001	Active	1.0m (3.28')
74743-0002		2.0m (6.56')
74743-0003		3.0m (9.84')
74743-0004		4.0m (13.12')
74743-0005		5.0m (16.40')
74743-0006		6.0m (19.69')
74743-0007		7.0m (22.97')
74743-0008		8.0m (26.25')
74743-0009		9.0m (29.53')
74743-0010		10.0m (32.81')
74743-0011		11.0m (36.09')
74743-0012		12.0m (39.37')
74743-0013		13.0m (42.65')
74743-0014		14.0m (45.93')
74743-0015		15.0m (49.21')

Americas Headquarters
 Lisle, Illinois 60532 U.S.A.
 1-800-78MOLEX
amerinfo@molex.com

Far East North Headquarters
 Yamato, Kanagawa, Japan
 81-462-65-2324
feninfo@molex.com

Far East South Headquarters
 Jurong, Singapore
 65-6-268-6868
fesinfo@molex.com

European Headquarters
 Munich, Germany
 49-89-413092-0
eurinfo@molex.com

Corporate Headquarters
 2222 Wellington Ct.
 Lisle, IL 60532 U.S.A.
 630-969-4550
 Fax: 630-969-1352

Visit our website at www.molex.com/product/sfpcables.html