

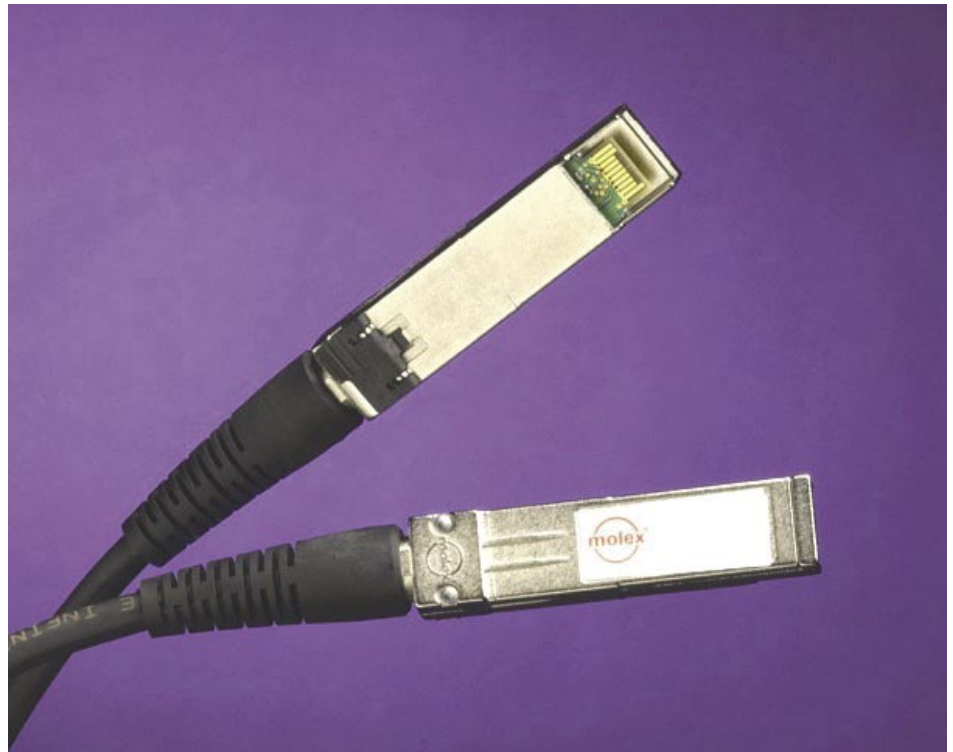
**Molex expands SFP product offering: 4 Gbps cable assemblies address continued market demands for high-speed network requirements**

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](http://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**

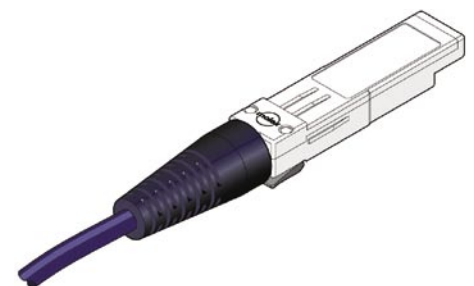
Voltage: 3.3V  
 Current:  
     Passive: 30 milliamps max.  
     Active: 175 milliamps max.

**Mechanical**

Durability: 250 cycles

**Physical**

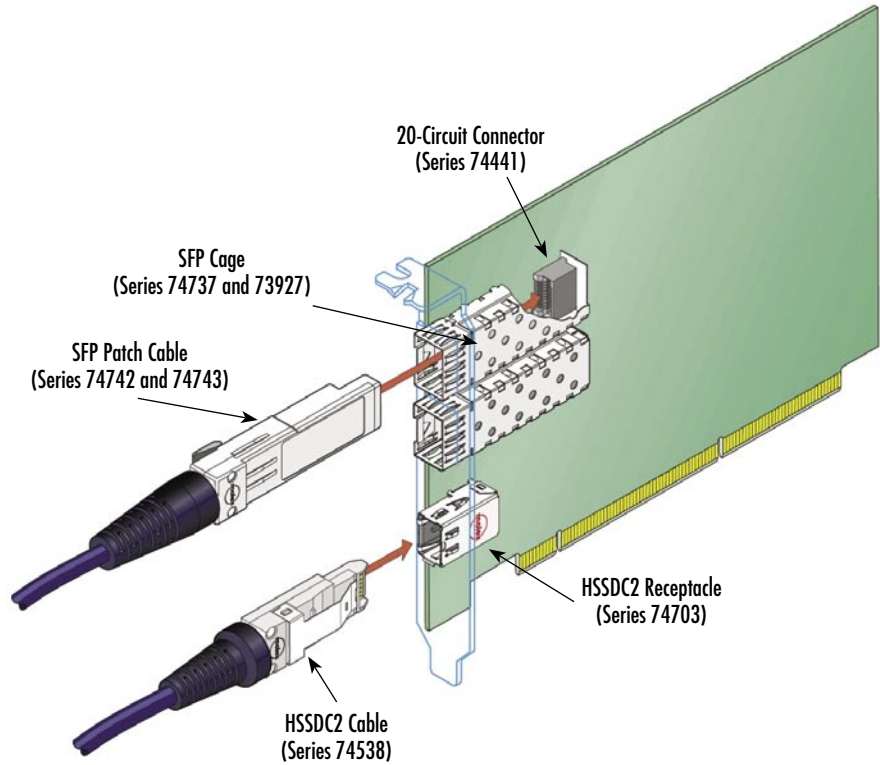
Housing: Zinc (Zn) die cast  
 Housing Plating: Nickel (Ni)  
 PCB Contact: Gold (Au)  
 Operating Temperature: 0 to +70° C



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

**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')	

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