

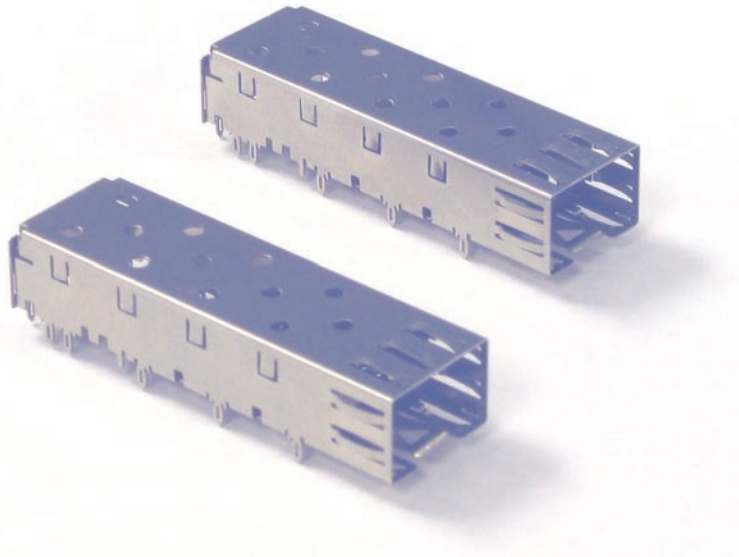
74737

Molex one piece 1-by-1 cages fully comply with all RoHS requirements

Small Form-factor Pluggable (SFP) RoHS compliant cages are designed for Electro Magnetic Interference (EMI) shielding of copper and optical pluggable transceivers. These one-piece cages are stamped and formed to meet the most current Multi-Source Agreement (MSA) specification requirements.

Molex cages are designed with various pin options to work with multiple board thicknesses and bezel openings. The SFP system follows the function of the standard Gigabit Interface Converter (GBIC) products with reduced size and increased data transfer rates at and beyond 2.5 Gbps.

Molex SFP products are multi-sourced, industry standard products featuring a common design for use with multiple data-transfer protocols. Protocols include Fibre Channel, Gigabit Ethernet, and InfiniBand. Molex provides a robust SFP solution with cable assemblies (series 73929, 73930, 74742, 74743), adapters (series 74720) and connectors (series 74441).



Features and Benefits

- Available in press-fit, solder post and PCI (1°) versions enabling use with various board thicknesses and assembly processes
- Spring fingers with 2 points of contact offer optimal EMI grounding
- Optional rear-pin design for belly-to-belly applications (Part No. 74737-0004) provides additional PCB real estate with opposite board-side usage
- One-piece stamped and formed cage guarantees cages are RoHS compliant by eliminating solder
- Optional rear and side-mounted lightpipe cover assemblies (Series 74726) available for all one-piece RoHS SFP cages (Series 74737) allow for flexibility of PCB signal routing of LEDs

SPECIFICATIONS

Reference Information

Packaging: Tray

Mates With:

SFP Passive Cable Assembly 2 Gbps
Series 73929,

SFP Active Cable Assembly 2 Gbps
Series 73930,

SFP Passive Cable Assembly 4 Gbps
Series 74742,

SFP Active Cable Assembly 4 Gbps
Series 74743,

SFP Copper Module Series 74720

Use With: SFP Connector Series 74441

PCB thickness: 1.57 to 3.17mm (.062 to .125")
nominal thickness

Designed In: Millimeters

Mechanical

Insertion Force to PCB: 14.45N (3.25 lbf) per press-fit
pin

Retention Force to PCB: 7.11N (1.6 lbf) per press-fit
pin

Durability: 1 cycle

Physical

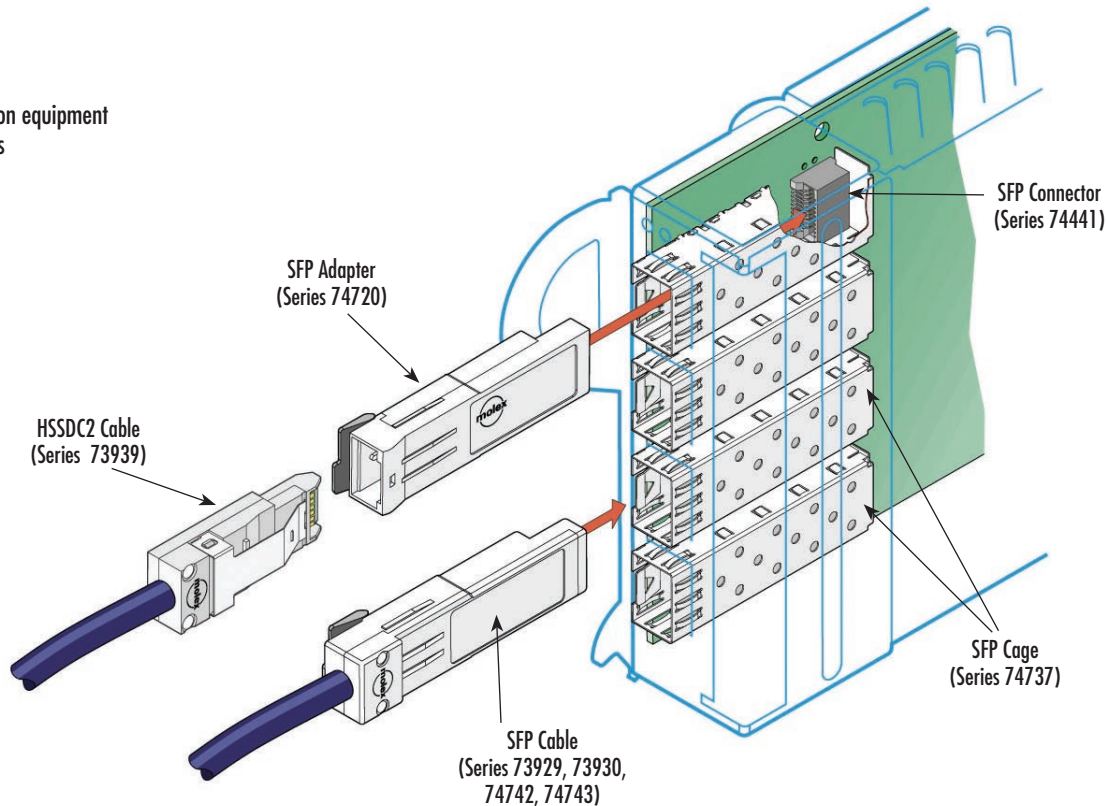
Cage body: C770 Alloy

Plating: Nickel (Ni)

Operating Temperature: -55 to +105° C

74737

- Networking equipment
 - Hubs
 - Switches
 - Storage racks
- Datacommunication equipment
 - High-end servers


ORDERING INFORMATION

Order No.	PCB Mounting	Pin Length	Cross Reference/Replacing Parts
74737-0002	Press-fit	2.29mm (.090")	73927-0001, 73927-0017, 73927-0109
74737-0004	Press-fit, Belly-to-Belly	2.29mm (.090")	73927-0008, 73927-0018, 73927-0108
74737-0009	Press-fit	3.05mm (0.120")	73927-0009
74737-0010	Solder post, wave solder	3.38mm (0.133")	73927-0010
74737-0014	Press-fit, with Kapton* tape	3.05mm (0.120")	73927-0014
74737-0016	Press-fit, PCI 1°	3.05mm (0.120")	73927-0016

*Kapton is a registered trademark of DuPont

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