

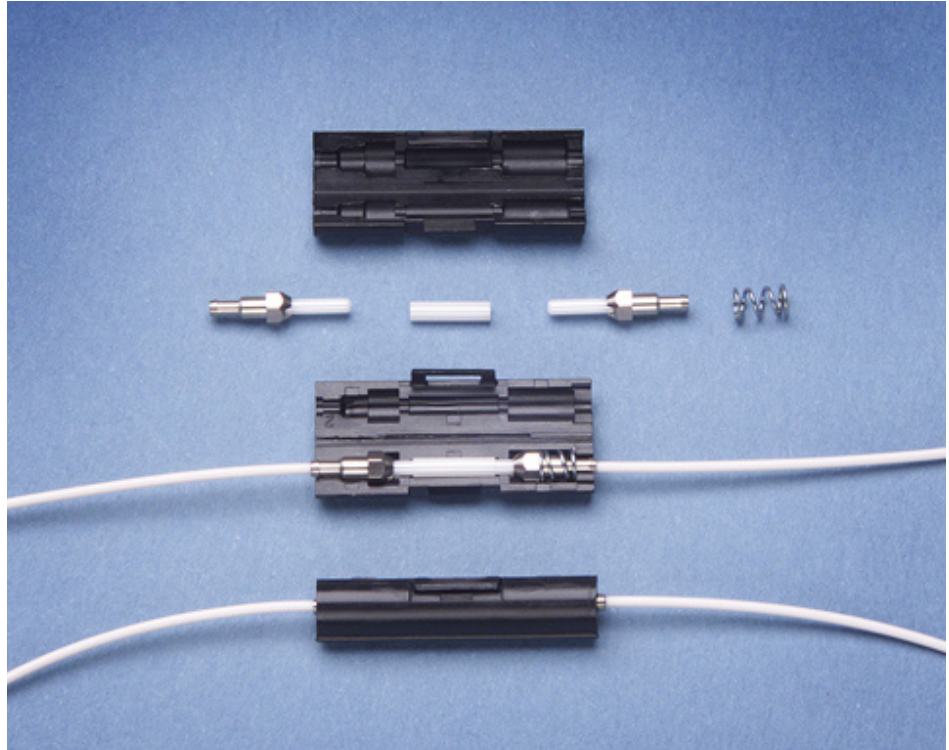
106073

Compact and re-matable optical interconnect in the footprint of a fusion splice

The SnapMate Optical Interconnect System provides the benefits of a re-matable optical connector with the small size of an optical fusion splice. It is designed using high-precision singlemode LC connector and adapter components and a compact, re-usable polymer housing, providing a reduced overall size and optimum optical performance.

The SnapMate's one-inch long receptacle connects the terminated LC-style ceramic ferrules with a ceramic alignment sleeve. This design allows the receptacle to be easily opened and re-assembled for removal and re-mating of the optical components. The low-cylindrical profile of the assembly and short overall length are suitable for use within equipment and can be incorporated onto a circuit board without consuming substantial mounting space or obstructing the air-flow path within a system.

The SnapMate Interconnect System complements Molex's existing robust line of optical products. For more information on optical product offerings, please visit: www.molex.com/fiber.


Features and Benefits

- Ceramic ferrule and alignment sleeve provides high-precision components with industry-proven low insertion loss
- Low-profile housing minimizes required mounting space on PCB and allows air-flow path to be practically unobstructed
- Re-usable housing (up to 5 mating cycles) allows for testing and reconfiguration to achieve optimum performance

SPECIFICATIONS
Reference Information

Packaging: Individual bag
 Designed In: Millimeters

Mechanical

Durability:
 Plugs: ≥ 200 mate and de-mate cycles
 Housing: 5 cycles min.
 Insertion Loss: ≤ 0.15 dB typical

Physical

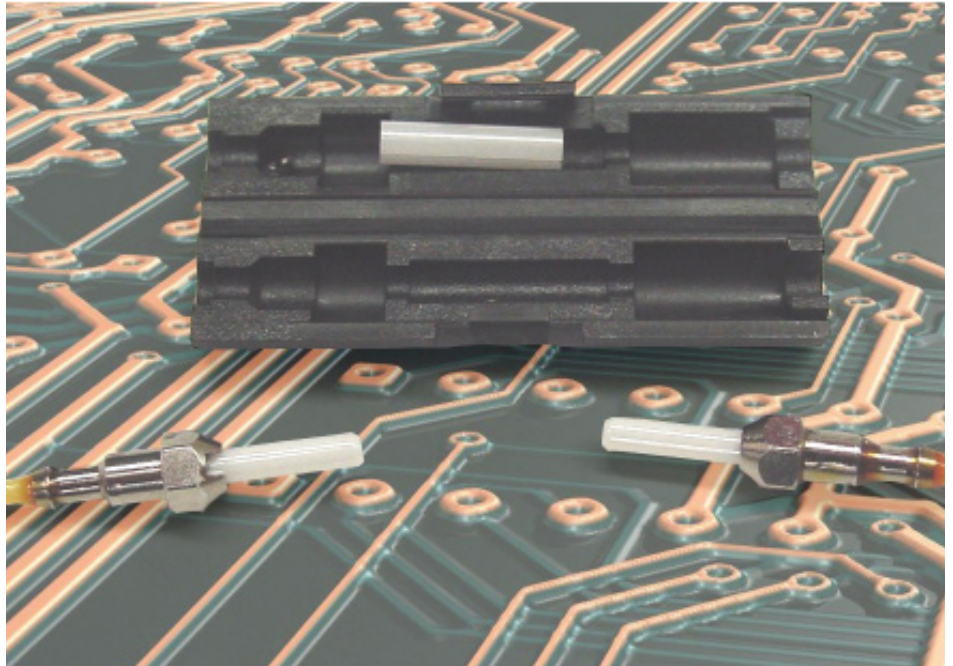
Housing: Polymer
 Ferrule: Zirconia Ceramic
 Alignment Sleeve: Zirconia Ceramic
 Operating Temperature: -40 to +85°C

APPLICATIONS

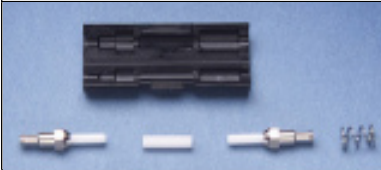



**molex® SnapMate™
Optical Interconnect System**

106073

- Telecommunication Equipment
 - Servers
 - Switches
 - Routers
- Other Markets
 - Storage servers
 - Test equipment
 - OEM equipment



ORDERING INFORMATION

	Order No.	Mode	Components
	106073-0020	Singlemode	Complete Kit: (1) Housing, (2) LC Plugs with Ceramic Ferrules, (1) Spring, (1) Alignment Sleeve
	106073-0021		(1) Housing, (1) Alignment Sleeve
	106073-0022		(1) LC Plug with Ceramic Ferrule, (1) Spring
	106073-0023		(1) LC Plug with Ceramic Ferrule

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