

FEATURES AND SPECIFICATIONS

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LC2 Metallic Optical Connectors

86387

Take LC2 where no optical SFF connector has gone before, in harsh environments

Innovatively designed LC2 connectors are a ruggedized, all-metal-housed version of the familiar LC Small Form Factor optical connectors. Molex's LC2 connectors incorporate the ceramic ferrule based, LumaCore™ optical terminus technology. The LC2 connector is 100% compatible with the industry standard LC connectors and adapters. The terminus is designed to achieve superior optical performance in a durable housing.

Molex's LC2 connectors provide a high-performance, discrete-fiber termination solution for use in equipment designed for severe environments, including military COTS, aviation and aerospace applications. The LC2 connectors are capable of continuous operating temperatures of 135°C with short term temperatures of up to 150°C when used with high temperature optical fibers. Using Molex's LumaCore technology, LC2 connectors are complimentary to other field proven LumaCore based products.



The LC2 connector provides a color-coded, anodized-aluminum housing with a stainless-steel latching mechanism to ensure optimal LC performance in harsh mechanical and environmental environments. In addition, the housings can be removed as needed

without disruption of the terminus tuning or crimped cable jacketing. When terminated, LC2 connectors meet a minimum of all the dimensional and performance requirements of Telcordia GR-326-CORE and TIA/EIA-604-10a (FOCIS-10).

Features and Benefits

- All metal housing provides a robust connector housing which resists breakage; includes durable stainless steel latches clips
- 1.25mm (.049") LumaCore terminus includes a high-performance Ceramic ferrule with hex register tuning, available for singlemode, multimode and angle-polish applications
- Removable connector housing enables direct inspection of fiber bonding areas and replacement of connector body components without fiber re-termination
- Multiple boot styles support many cable sizes and applications including including 900µm, 1.20mm (.047"), 1.60mm (.063"), 1.80mm (.070") and 2.00mm (.079") as well as 45 and 90° configurations

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Reference Information

Packaging: Bag
Mates With: Standard LC adapters
Series 106124, 106125, 106126, 106127, 106115
Designed In: Inches

Mechanical

Durability: Minimum 200 mate/demate cycles

Physical

Housing: Anodized Aluminum
Ferrule: Zirconia Ceramic
Operating Temperature: -40 to +135°C



Telecommunication/Datacommunication

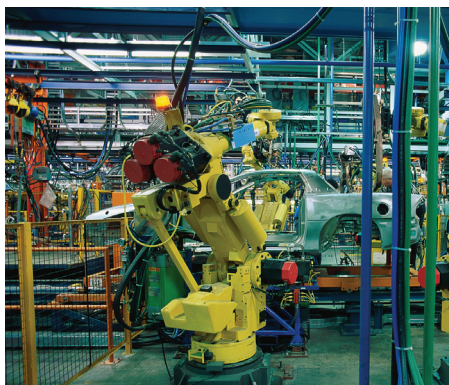
- Base Stations
- Vault I/O's
- Wireless Antennas
- Video Transmission

Industrial

- Factory Automation
- Sensors
- Process Equipment
- Security Cameras

Aerospace

- Avionics
- Communications
- Satellites
- Data Terminals
- Signal Processors
- Sensors
- Space Systems


ORDERING INFORMATION

Order No.	Mode	Type	Ferrule Size	Housing Color	Cable Diameter	Boot
86387-1904	Singlemode	Simplex	126µm	Blue	900µm	Straight
86387-1929					1.20 to 1.60mm (.047 to .063")	Straight
86387-1304					1.80 to 2.00mm (.070 to .079")	Straight
86387-1989					1.20 to 1.60mm (.047 to .063")	90°
86387-1364					1.80 to 2.00mm (.070 to .079")	90°
86387-1979					1.20 to 1.60mm (.047 to .063")	45°
86387-1654					1.80 to 2.00mm (.070 to .079")	45°
86387-2102					Multimode	127µm
86387-2127	1.20 to 1.60mm (.047 to .063")		Straight			
86387-1502	1.80 to 2.00mm (.070 to .079")		Straight			
86387-2187	1.20 to 1.60mm (.047 to .063")		90°			
86387-1562	1.80 to 2.00mm (.070 to .079")		90°			
86387-2177	1.20 to 1.60mm (.047 to .063")		45°			
86387-1552	1.80 to 2.00mm (.070 to .079")		45°			

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