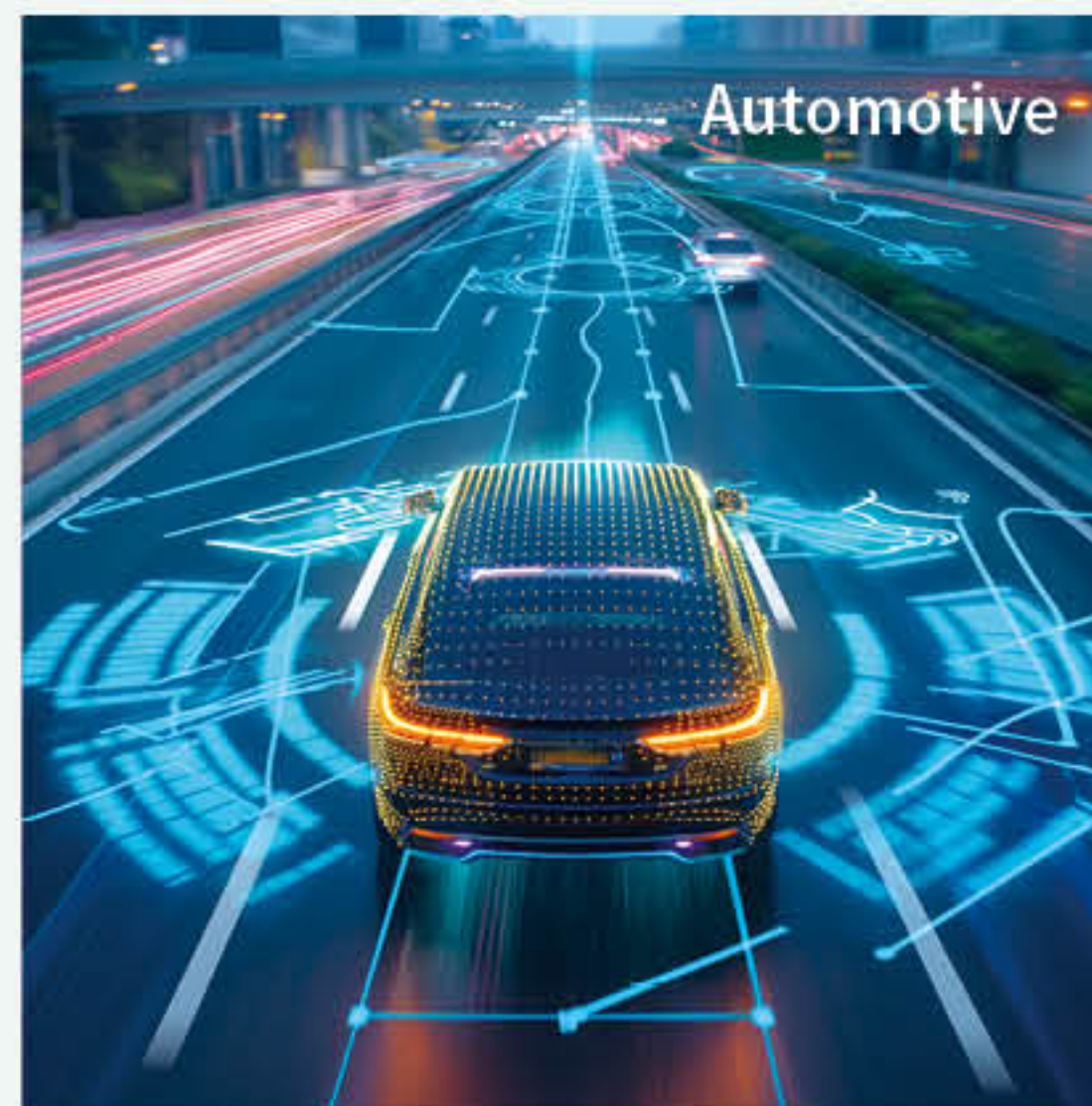
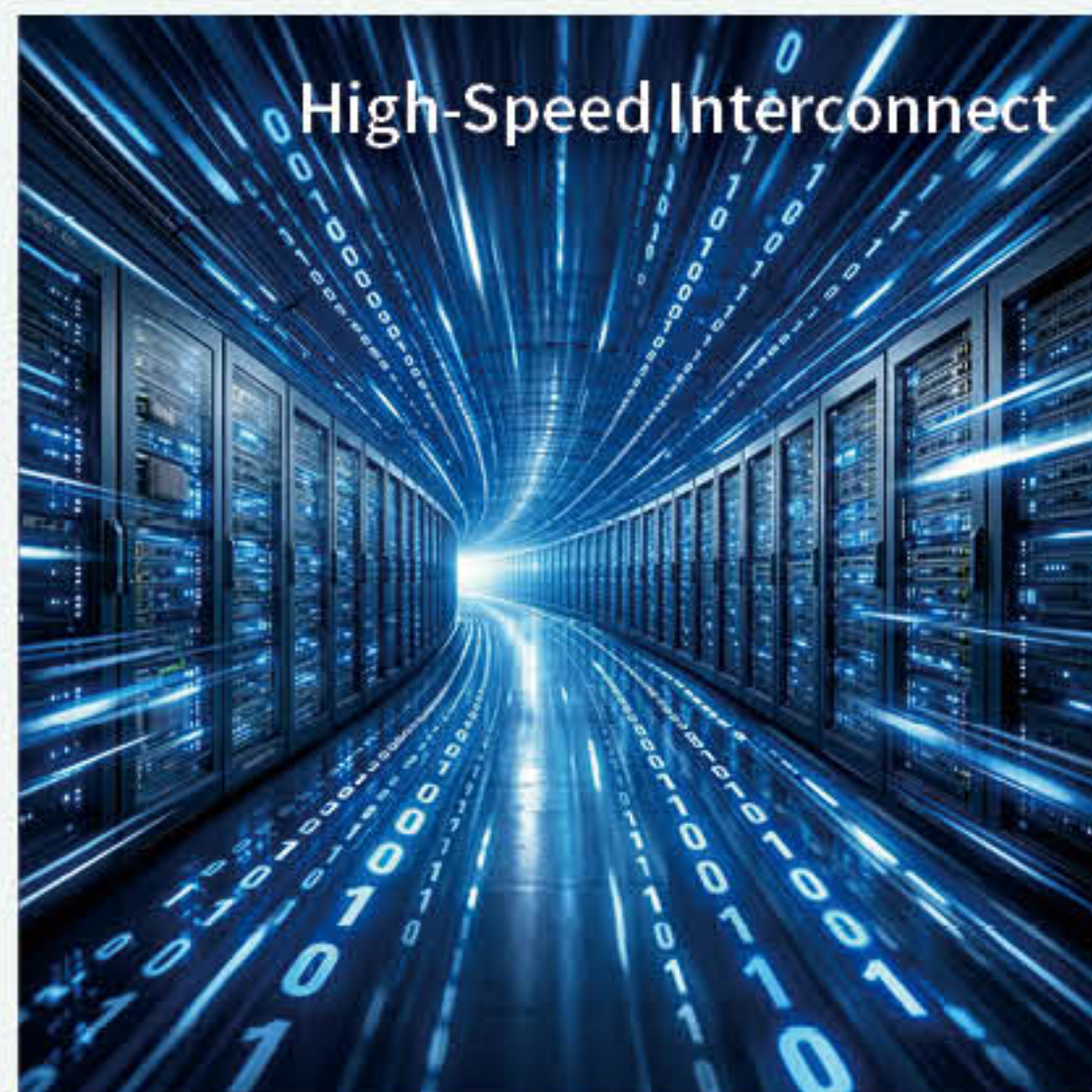




Adapter

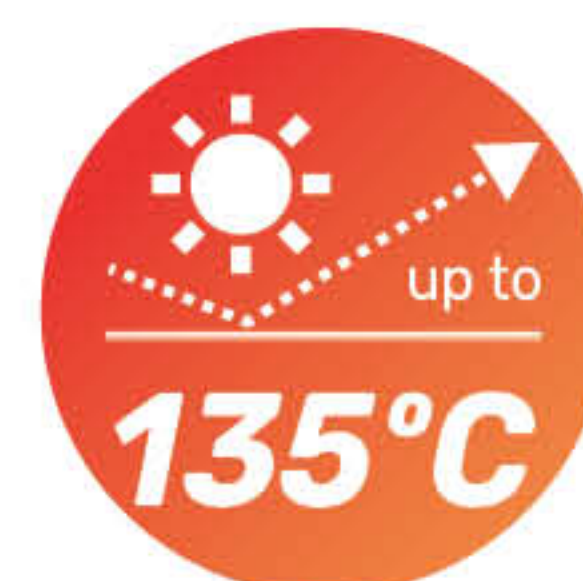
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LC Metal Adapter

● LC Metal Duplex Adapter



● LC Metal Quad Adapter



Description

The ACON OPTICS LC Metal Adapter is designed for environments that demand enhanced durability and reliable optical performance. Featuring a robust metal housing, it provides excellent mechanical strength and long-term stability, with optional EMI shielding available for applications requiring additional electromagnetic interference protection. Engineered for dependable performance, the LC Metal Adapter is well suited for aerospace, defense, industrial, data center, and telecommunications applications, where durability and signal integrity are critical.

Features

- Durable Metal Housing
- High Precision Alignment
- Compatible with SC Footprint
- Optional EMI Shielding

Applications

- Industrial
- Aerospace
- Defense
- Data Centers
- Telecommunications
- FTTx Deployments

LC Inner Shutter Adapter



● LC Duplex Flange with Clip

● LC Duplex Flangeless with Clip



● LC Quad



Blue	Erika Violet
Beige	Lime Green
Aqua	

Description

The ACON OPTICS LC Inner Shutter Adapter is designed for the lasers blocking and dust insulating with the returnable internal shutter which is easy for the LC connector insertion and extraction.

Features

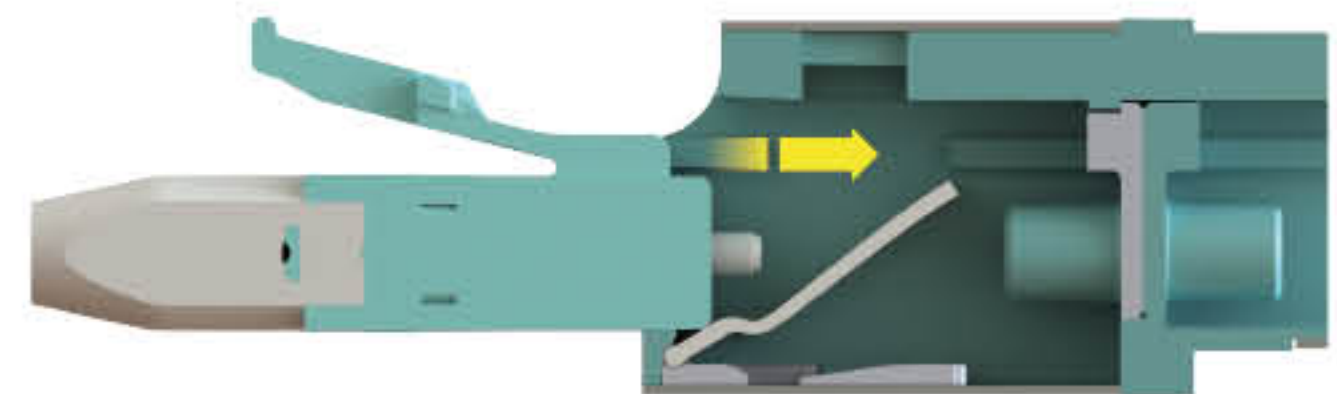
- One-piece molding case, without welding
- Compatible with SC Adapter footprint
- Protect eye exposure from laser light
- Block out external dust for interior protection
- The automatic opening and closing shutter for easily loading and unloading the LC connector

Applications

- Data communications
- Telecommunications
- FTTx deployments
- 4G/LTE, 5G base station

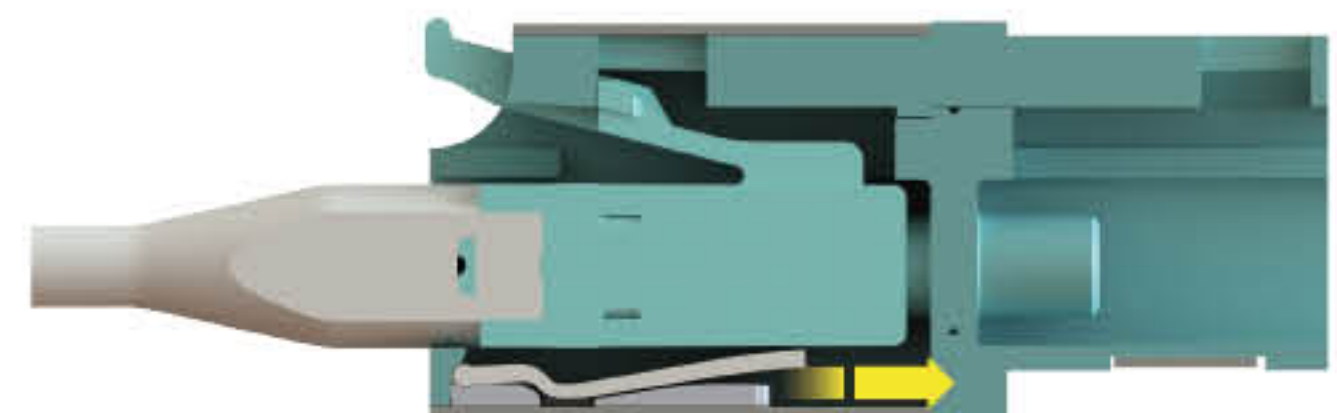
Ultimate dust and laser protection

1.



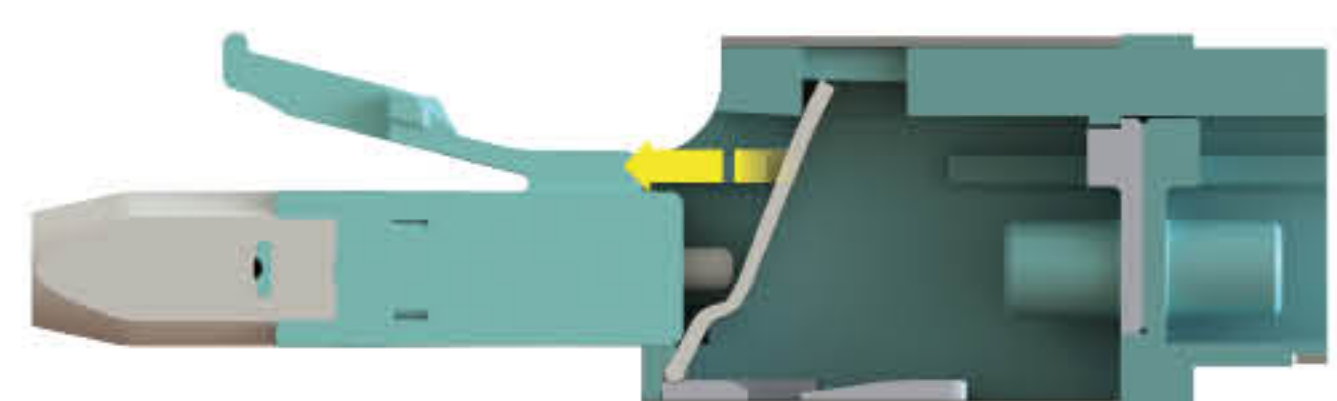
Internal shutter is open when inserted connector compressed the springs.

2.



Ferrule can be inserted into the adapter sleeve with ease.

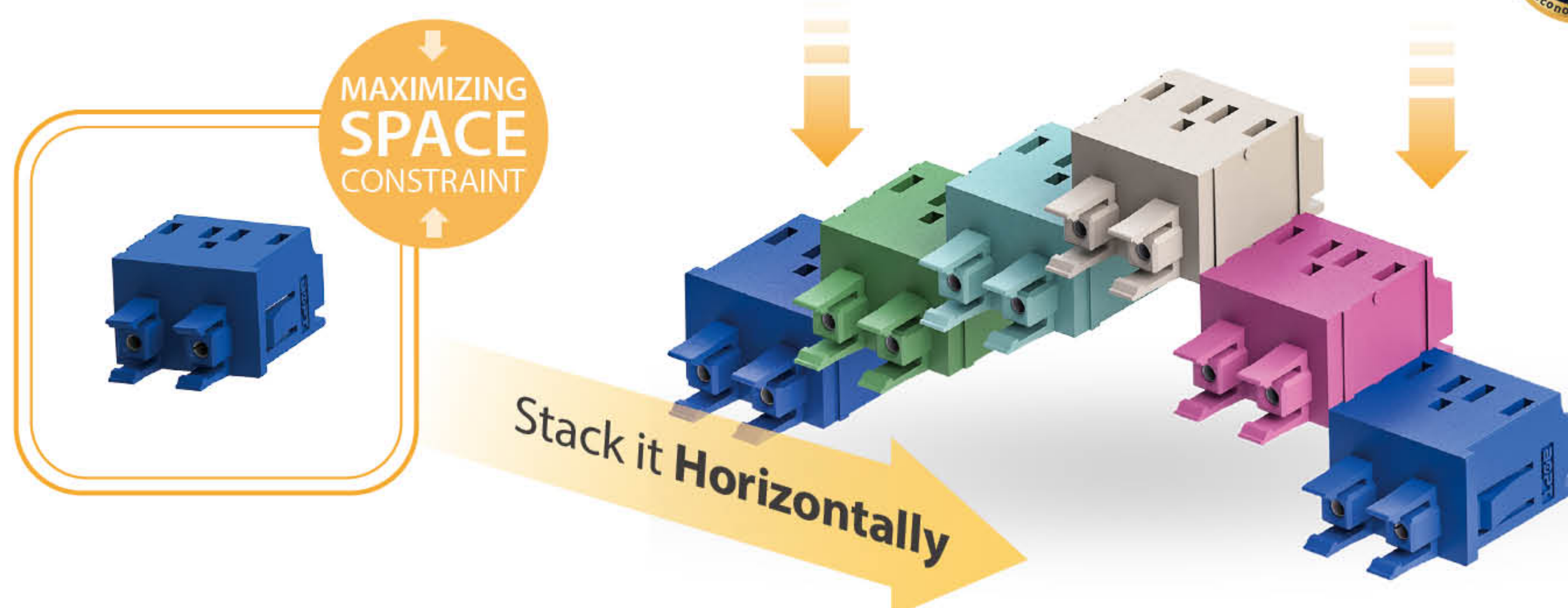
3.



Internal shutter will automatically close when the connector is removed from the adapter.



Micro LC Stackable Adapter



Description

Introducing the new horizontally stackable Micro LC Adapters. The stackable design can effectively maximize your space to your customized application.

	Blue
	Green

Features

- Micro LC Adapter is a hybrid Adapter which can accommodate micro LC connector and conventional LC connector.
- Compatible to conventional LC
- Remarkable increase in space on the back end panel and in small cassette.
- The best option for BTW application and high density solution.

Stackable Hybrid Micro LC Adapters



Left
Adapter Simplex



Right
Adapter Simplex



1
Set



Left
Adapter Duplex



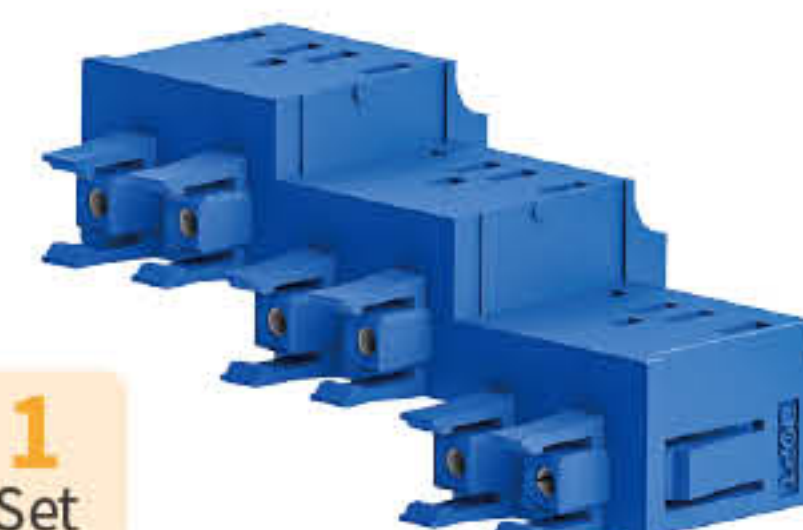
Center
Adapter Duplex



Right
Adapter Duplex



1
Set



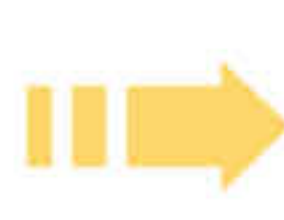
Maximizing Space Constraint



Micro LC Stackable
Adapters



Micro LC Snap-in
Connectors



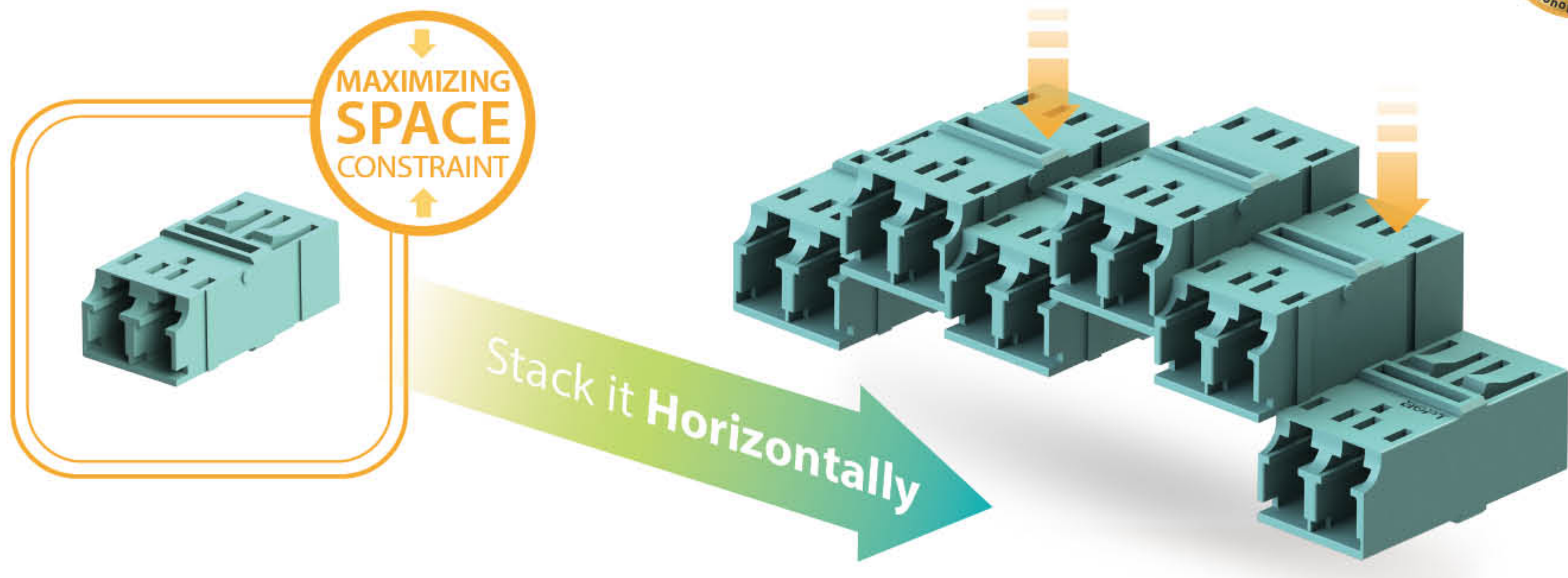
High Density
Cassette

Maximizing Space

High Density Cassette with Micro LC Snap-in Connector and Stackable Adapter



LC Stackable Adapter



Description

Introducing the new horizontally LC Stackable Adapters. The stackable design can effectively maximize your space to your customized application.

Features

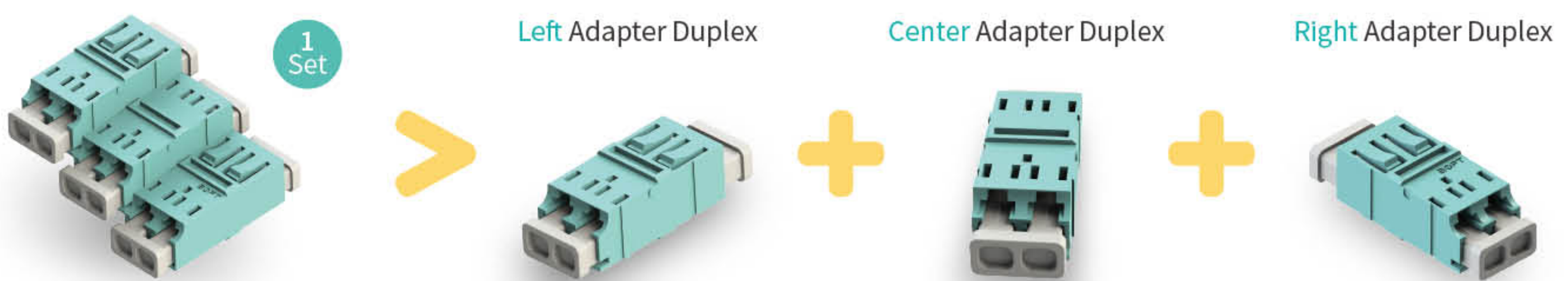
- Maximize space constraint for high-density solution
- One piece housing design without welding point enhances structure strength
- Snap-in design

Applications

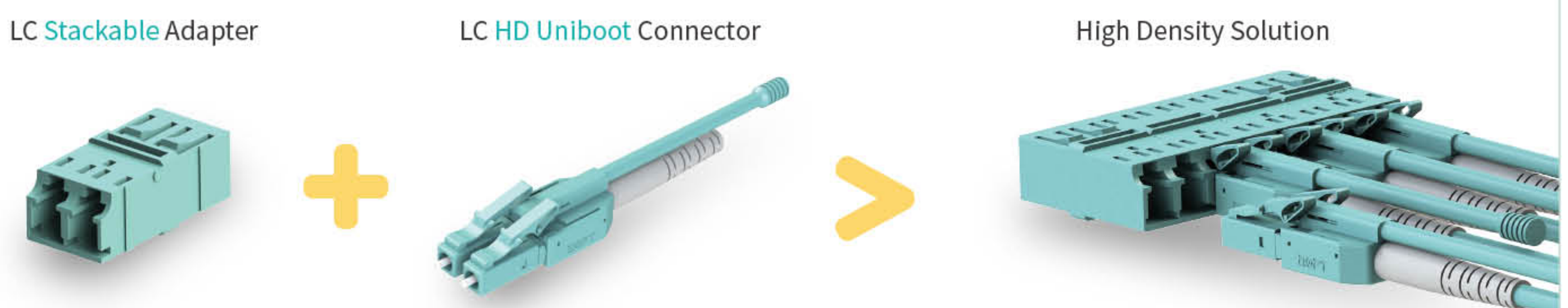
- Data communications
- Telecommunications
- Optical measurement instruments
- FTTx deployments
- 4G/LTE base station
- CATV

Blue	Aqua
Green	Erika Violet
Beige	Lime Green

LC Stackable Adapters



High Density Solution



LC Standard Adapter

Description

LC Adapters are manufactured with PEI material. Non-welded design enhances the structure durability and decreases probability of breakdown. Telcordia GR-326, IEC, RoHS2, REACH, UL94V-0 standard compliance also gives reliability.

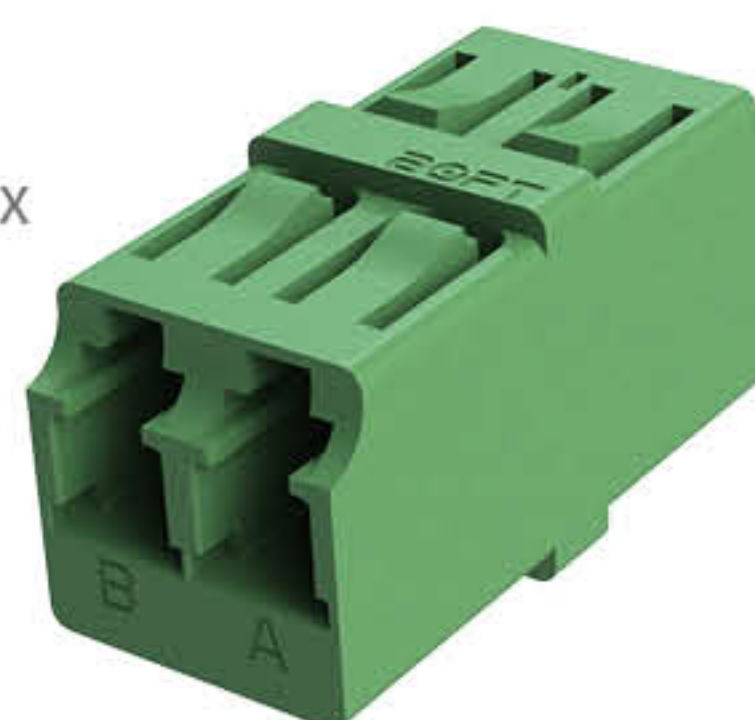
Features

- PEI requested for high intensity and chemical resistance. Its thermostability keeps non-flammable and high stability
- Snap-in connector design precises mechanical dimensions
- Reduce assembly time and simplifies training
- Reduces maintenance and creates consistent optical performance
- Stable performance
- Comply Telcordia GR-326, IEC, RoHS2, REACH, UL94V-0 standard

● LC Simplex



● LC Duplex



Applications

- Data communications
- FTTx deployments
- Optical measurement instruments
- Telecommunications
- 4G/LTE, 5G base station
- CATV

Blue	Aqua
Green	Erika Violet
Beige	Lime Green

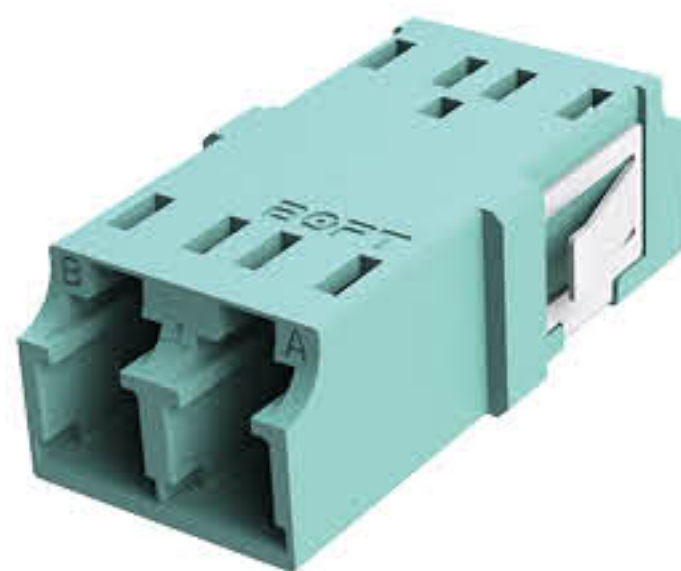
LC / SC Specification							
	Mode	Sleeve Type	Housing Type	Housing Color	Type	Standards	Other Requirement
LC	SM / APC MM	Zirconia Sleeve	Plastic Metal	Blue Beige Green Aqua Violet Lime green	Simplex Duplex Quad 8 Ports	IEC61754-20 IEC61754-4 TIA/EIA-604-10	*AA (Senior Senior) *AR (Senior Junior) AA SC type with Flange AA SC type Flangeless AR SC type with Flange AR SC type Flangeless AR type AA type SC Vertical type Inner Shutter
SC					Simplex Duplex Quad	JIS C5973 F04 EIA/TIA 604-3A IEC 60874-14-3 GR-326	With Flange Flangeless Shutter

LC One-Piece SC Footprint Adapter

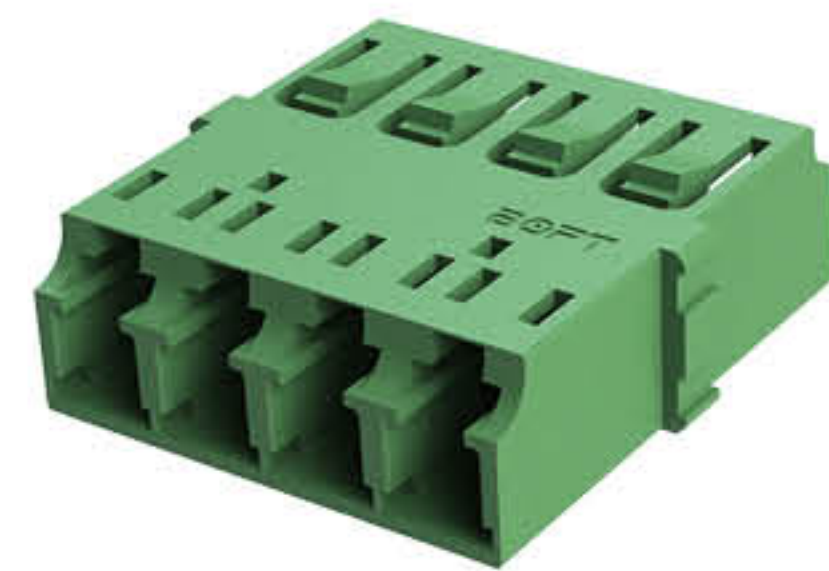
● LC SC Footprint Duplex Flange with Clip



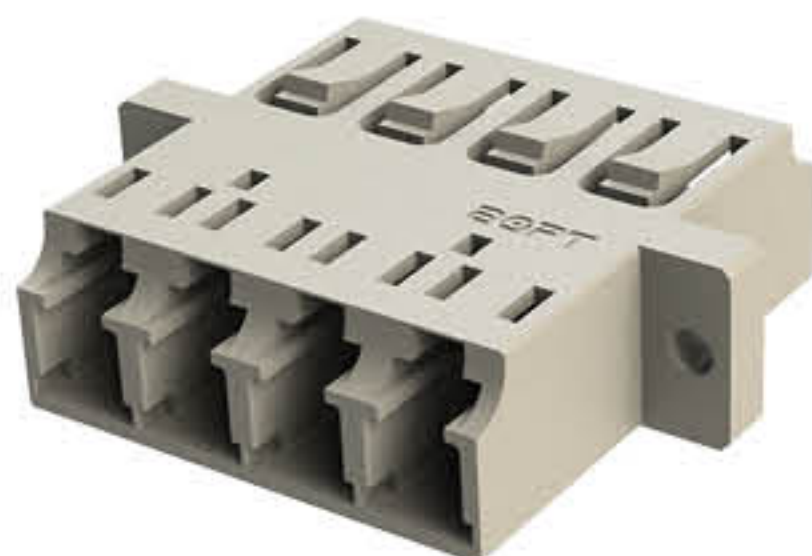
● LC SC Footprint Duplex Flangeless with Clip



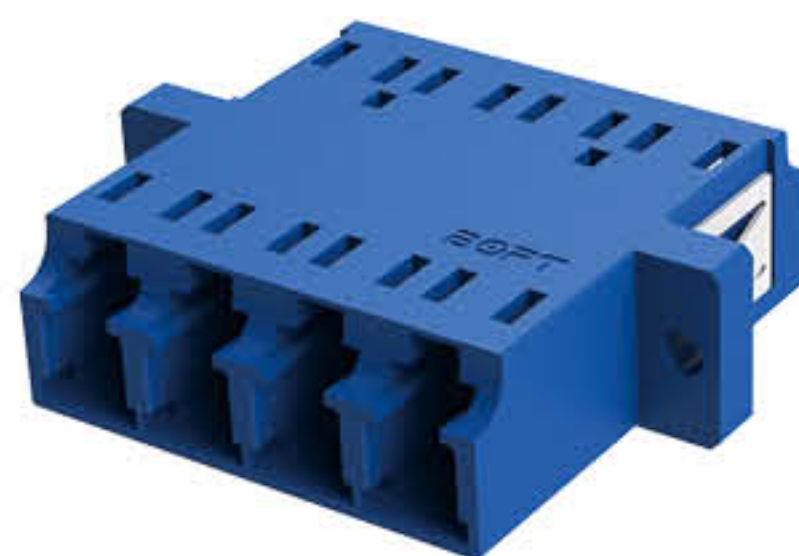
● LC SC Footprint Quad Flangeless



● LC SC Footprint Quad Flange



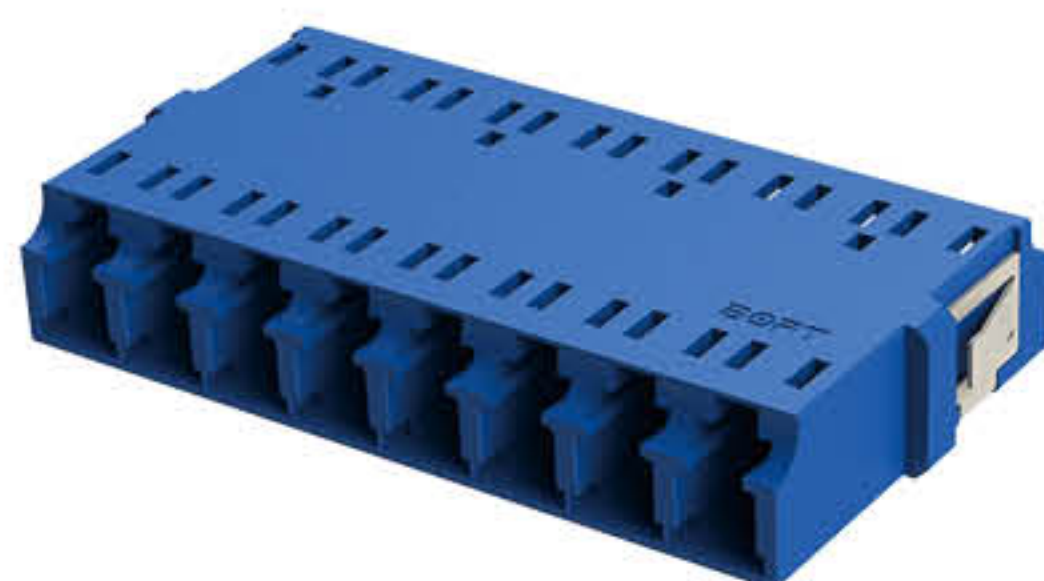
● LC SC Footprint Quad Flange with Clip



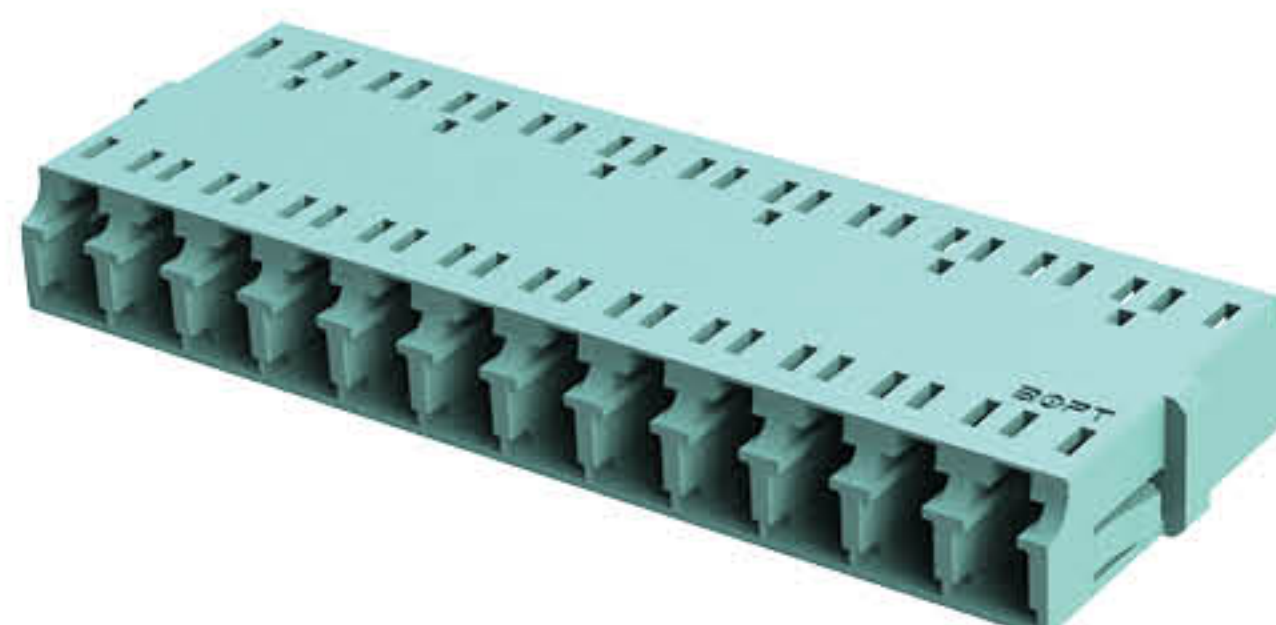
● LC SC Footprint Quad Flangeless with Clip



● LC SC Footprint 8 Port Flangeless with Clip



● LC SC Footprint 12 Port Flangeless



Blue	Blue
Green	Green
Beige	Beige
Aqua	Aqua
Erika Violet	Erika Violet
Lime Green	Lime Green

Description

LC Adapters are manufactured with PEI material. Non-welded design enhances the structure durability and decreases probability of breakdown. Telcordia GR-326, IEC, RoHS2, REACH, UL94V-0 standard compliance also gives reliability.

Applications

- Data communications
- Telecommunications
- Optical measurement instruments
- FTTx deployments
- 4G/LTE, 5G base station
- CATV

Features

- PEI requested for high intensity and chemical resistance. Its thermostability keeps non flammable and high stability
- Snap-in connector design precises mechanical dimensions
- Reduce assembly time and simplifies training
- Reduces maintenance and creates consistent optical performance
- Stable performance
- Comply Telcordia GR-326, IEC, RoHS2, REACH, UL94V-0 standard
- Premium quad/8 ports Adapters satisfy high density demands

SC Adapter

● SC Simplex Flange with Clip



● SC Simplex Flangeless with Clip



● SC Duplex Flange with Clip



● SC Duplex Flangeless with Clip



● SC 4 Port



● SC Shutter Flange with Clip



● SC Shutter Flangeless with Clip



Blue
Green
Beige
Aqua
Erika Violet
Lime Green

Description

ACON OPTICS offers a broad range of SC one-piece Adapters for simplex, duplex and quad. Adapters are available in plastic, with flange or flangeless, and with metal chip and come with zirconia sleeves.

Features

- Premium one-piece type
- High precision alignment
- Shutter Adapter available

Applications

- Data communications
- Telecommunications
- Optical measurement instruments
- FTTx deployments
- 4G/LTE, 5G base station
- CATV

FC / ST Adapter

- FC D Type
- FC Double D Type
- FC Square Multi-Piece Type
- FC Square One-piece Type



FC Specification						
Mode	Sleeve Type	Housing Type	Type	Standard	Dust Cap Color	Other Requirement
SM / APC MM	Zirconia Sleeve	Metal	Simplex	JIS C 5970 F01 TIA / EIA-604-4 IEC61754-13	Green Clear Red	D type Double D type Double Ear D type One-Piece Square Mulit Piece Square

- ST Simplex
- ST Duplex



ST Specification						
Mode	Sleeve Type	Housing Type	Type	Standard	Dust Cap Color	Other Requirement
SM / APC MM	Zirconia Sleeve	Metal	Simplex Duplex	EIA / TIA-604-2 IEC61754-2	Yellow Black	With Flange Flangeless



MPO Internal Shutter Adapter

● MPO Internal Shutter Simplex 12F/24F/36F



● MPO Internal Shutter Simplex 16F/32F



● MPO Internal Shutter Duplex 12F/24F/36F



● MPO Internal Shutter Duplex 16F/32F



● MPO Internal Shutter Quad 16F/32F



Description

The ACON OPTICS MPO Internal Shutter Adapter is designed for ultimate performance in high-density environments. Its internal shutter offers superior protection against dust and laser exposure, ensuring safe, reliable connections. With a robust design and compact profile, it is the perfect solution for modern data centers, telecommunications networks, and harsh environments.

Features

- Internal Shutter for dust and laser protection.
- Compatible with SC footprint.
- No dust cap required on shutter side.
- Supports key-up/key-down and key-up/key-up orientations.
- Snap-In design for quick and easy installation.

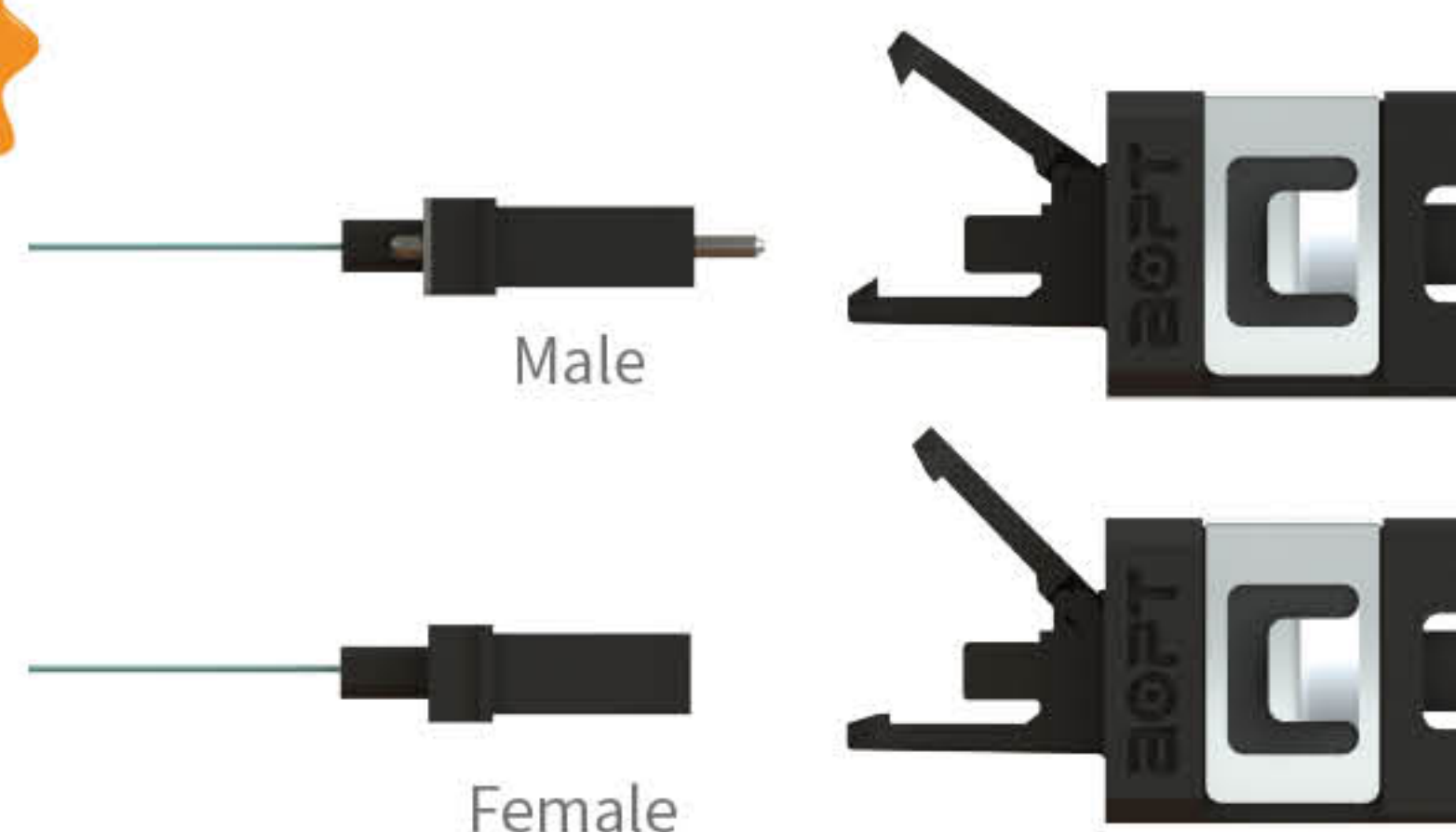
Applications

- Artificial Intelligence (AI)
- High-Performance Computing (HPC)
- Data center
- Telecommunications
- FTTx deployments
- WDM networks

MT-MPO Pro Adapter



Male VS. Female Type Comparison



Description

ACON OPTICS is featuring a revolutionary MT- MPO PRO Adapter which has the flexible flap design making ease of connecting and disconnecting MT ferrules. It is the best solution for BTW and high density applications.

Applications

- Data center application
- Multi-channels high speed connectivity
- WDM networks
- Telecommunications

Features

- Hybrid Adapter accommodates MT ferrule and MPO connector.
- One piece housing design without welding point enhances structure strength.
- Design makes connecting and disconnecting MT ferrule simple and straightforward.
- The best option for BTW application and high density solution.

Black	Aqua
Blue	Erika Violet
Green	Lime Green
Beige	

Instructions Guide

1 Open the flap	2 Insert the MT ferrule	3 Close the flap
4 Open the flap	5 Remove the MT ferrule	6 Done

MPO Adapter

MPO Standard Adapter



MT-MPO



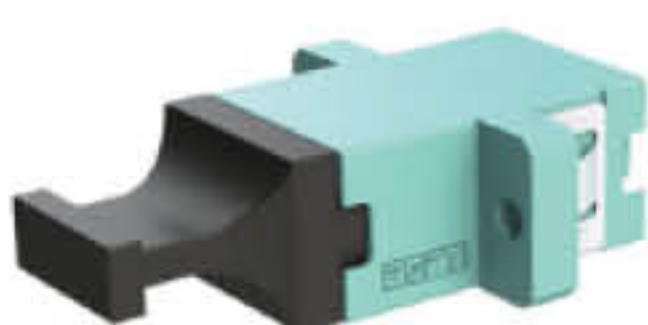
MPO SC Footprint Flange



MPO SC Footprint Flangeless



MPO SC Footprint Flange with Clip



MPO SC Footprint Flangeless with Clip



MPO SC Footprint Duplex Flange



MPO SC Footprint Duplex Flangeless with Clip



Description

ACON OPTICS singlemode or multimode MPO Connectors and Adapters are suitable for high-density back panel applications in data and telecommunications systems. Available in a variety of housing colors plus other options upon request.

Features

- Compliant to IEC and TIA standards
- Available in key-up to key-down and key-up to key-up
- High precision alignment
- Low insertion, high return loss and back reflection

Applications

- Data center application
- Multi-channels high speed connectivity
- WDM networks
- Telecommunications

Black	Black	Aqua
Blue	Blue	Erika Violet
Green	Green	Lime Green
Beige	Beige	

MPO Adapter Specification			
Adapter Type	Flange Type	Key Orientation	Housing Color
Standard Simplex SC Simplex Footprint SC Duplex Footprint MT-MPO Simplex	with Flange Flangeless	Aligned Opposed	Black Aqua Blue Green Beige Violet Lime green

SC / FC / LC / ST Hybrid Adapter

SC-ST Hybrid



SC-FC Hybrid



SC-FC Hybrid



SC-ST Hybrid



LC-ST Hybrid



LC-FC Hybrid



SC-LC Hybrid



FC-ST Hybrid



Description

ACON OPTICS offers a variety of hybrid Adapters, including the FC, ST, SC, LC series. These Hybrid Fiber Adapters are available in simplex or duplex types and metal or plastic for housing option. They come with high precision alignment zirconia sleeves for reliability and better reconnectability and are widely used when connecting different types of fiber optic connectors together in a fiber optic link.

Features

- High-precision zirconia sleeve and mechanical dimensions
- Good reliability & stability
- Available in simplex and duplex types
- Available in metal and plastic housing

Applications

- Data communications
- Telecommunications
- FTTx deployments
- Optical measurement instruments
- 4G/LTE, 5G base station
- CATV

Hybrid Adapter Specification

Connector 1	Connector 2	Sleeve Type	Type	Housing Type	Dust Cap Color
SC FC LC ST	SC FC LC ST	Zirconia Sleeve	Simplex Duplex	Metal Plastic	Blue Beige Black Clear Green Red Yellow