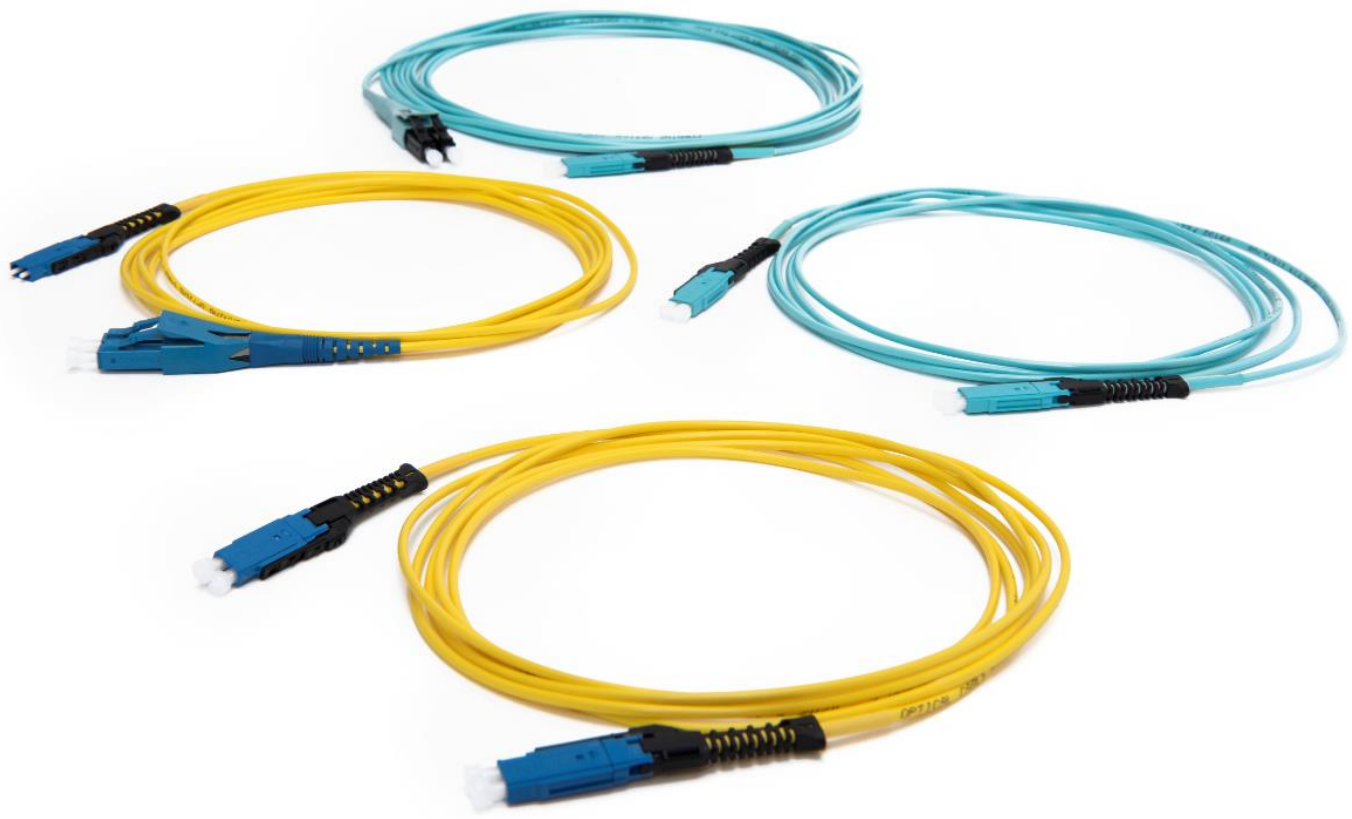
CORNING

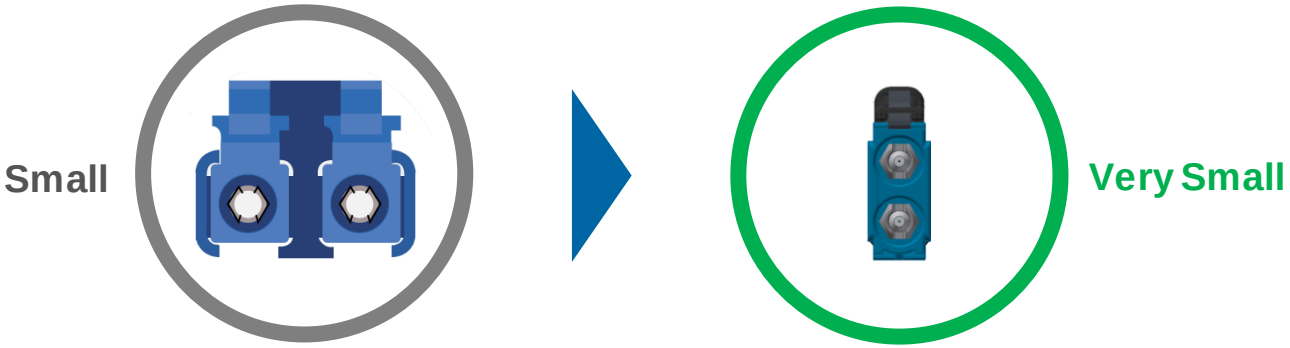
Very Small Form Factor Connectors



What is a Small Form Factor Connector?

Google Search I'm Feeling Lucky

Small Form Factor (**SFF**) **connectors** are **compact** fiber optic **connectors** that are designed for **small** spaces. These types of **small** components are always beneficial in fiber network applications where space is a **factor.**



SENKO Advanced Components

CS
(Corning-Senko)

SENKO Advanced Components

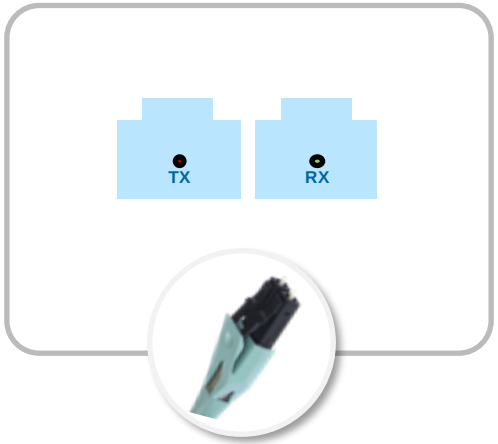
SN
(Senko-Nano)

USCONEC

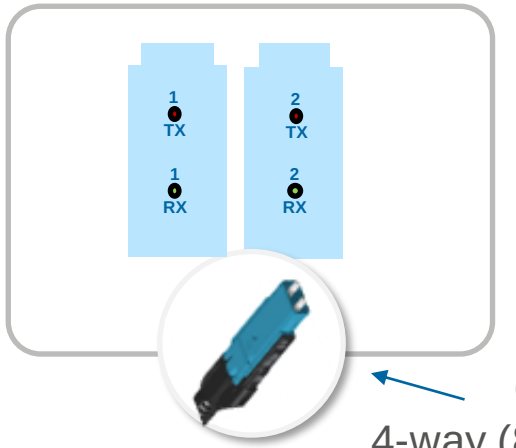
MDC
(Mini-Duplex)

Connector Interfaces for 400G Cabling Solutions

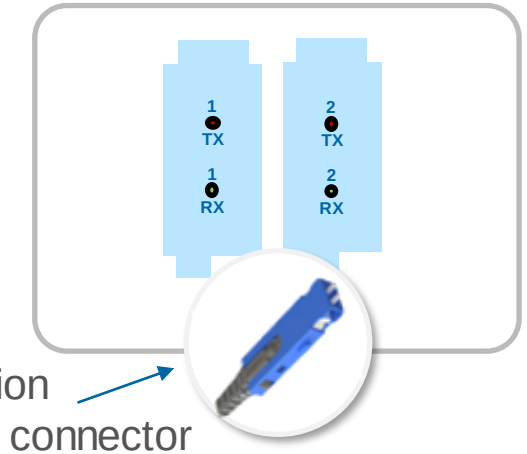
LC Duplex



MDC Dual

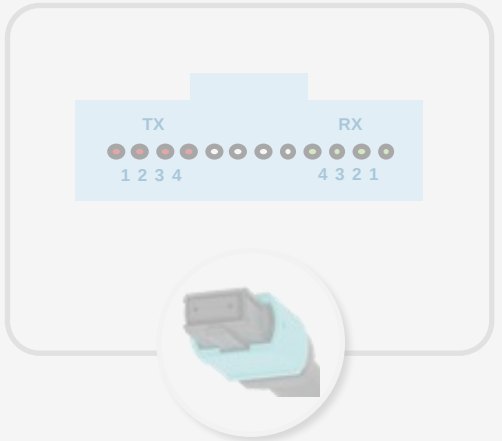


SN Dual

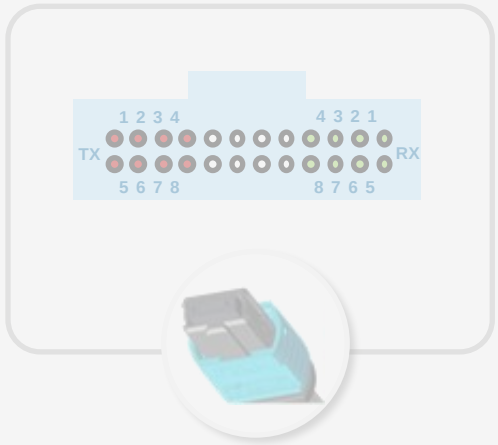


Option
4-way (8 F) connector

MPO-12 → Base-8 / Base-12

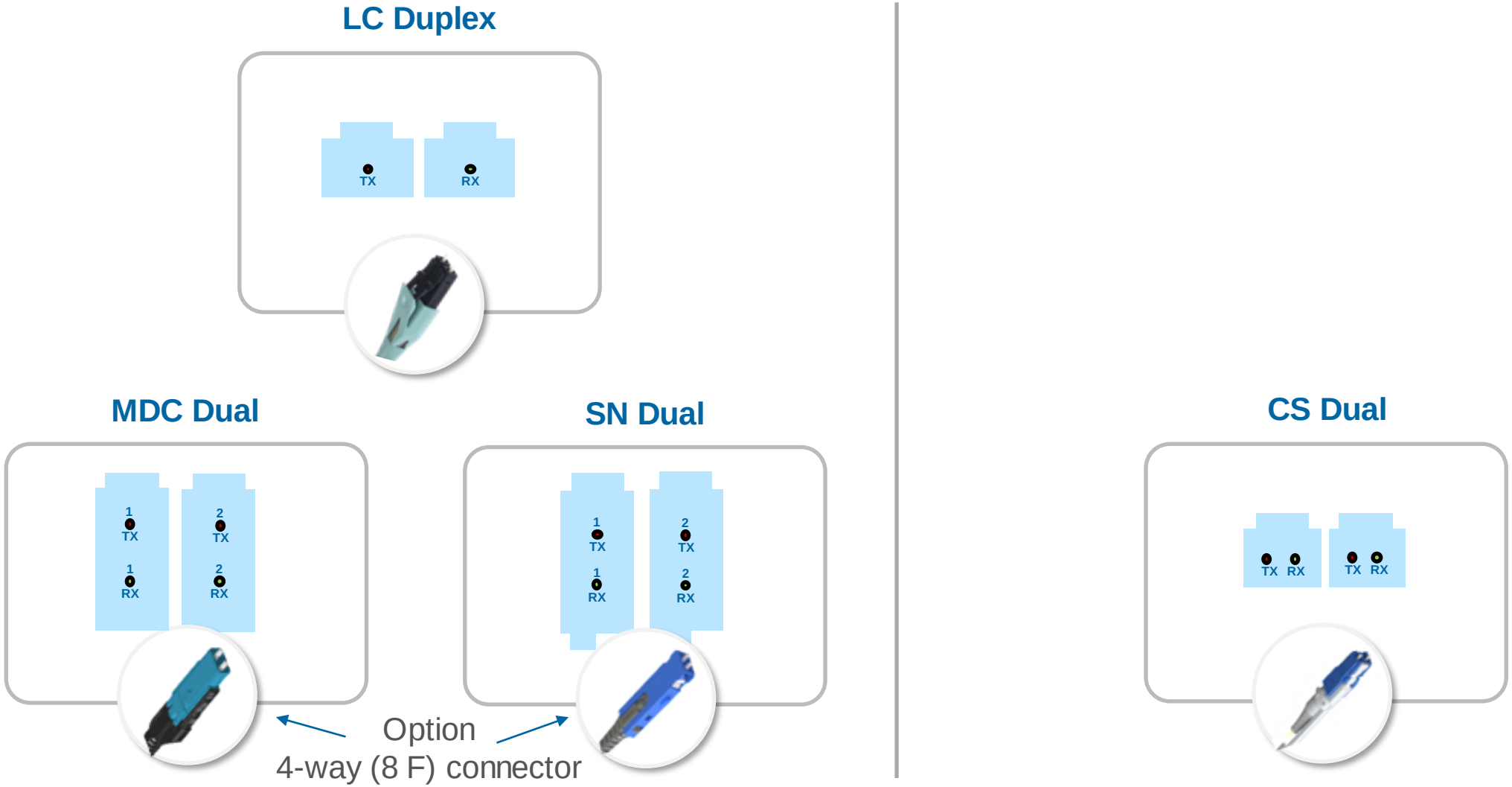


MPO-12 DD → 2x Base-8



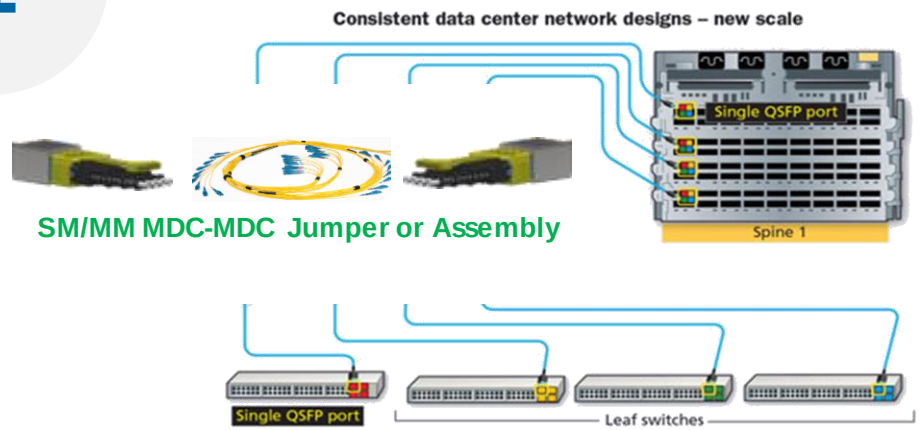
MPO-16 → Base-16

Connector Interfaces for 200G & 400G Cabling Solutions



What are the drivers for VSFF Connectors?

1 Breakout applications at the optics



- A smaller duplex connector can be used to **plug** the breakout fibers **directly** into a new multichannel Tx/Rx device
- **Who drives it?**
  - Hyperscale DCs / Carriers
- **What does it require?**
  - VSFFC transceivers, VSFFC jumpers or VSFFC assemblies

2 Higher density fiber management

Image Source: US Conec Website

- Smaller-form-factor connectors would increase density by **2 to 3 times (up to 432 F)** in a rack unit
- **Who drives it?**
  - Enterprise DC / Carriers
- **What does it require?**
  - VSFFC jumpers, VSFFC modules, Housing to handle density

Transceiver Breakout Applications

SENKO Advanced Components

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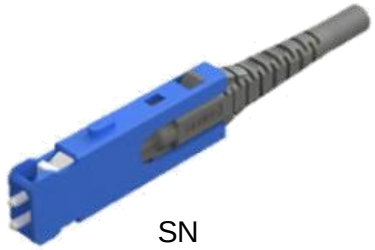
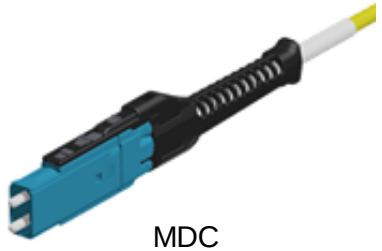


SN
(Senko-Nano)

USCONEC



MDC
(Mini-Duplex)

OSFP, QSFP-DD **2x200G, 2x100G** ~~**QSFP-DD 4x100G**~~ ~~**SFP-DD 2x50G**~~	**OSFP, QSFP-DD, SFP-DD** **4x100G, 4x200G, 2x50G**	**OSFP, QSFP-DD, SFP-DD** **4x100G, 4x200G, 2x50G**

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