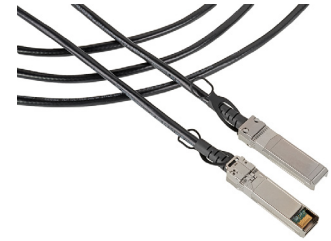


zSFP+ Turbo-DAC Active DAC Assemblies

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Turbo-DAC Active DAC Assemblies, with zSFP+ Interconnects, provide 25 and 56 Gbps data rates and serve as a reliable substitute for active optical cables for 3.0 to 10.0m while providing the plug-and-play convenience of passive cable assemblies



56 Gbps Turbo-DAC Active DAC Assembly with zSFP+ Interconnects

Features and Advantages

Linear-amplified technology

- Amplifies signal
- Serves as an effective substitute for AOC assemblies from 3.0 to 10.0m
- Looks and feels like normal copper cable assemblies, but at longer lengths, performs as well as shorter cables

Low latency, low power and low cost

Delivers better, more economical performance than assemblies with clock-and-data recover (CDR)/retimer designs



Acts like a standard cable

- Provides convenient plug-and-play deployment
- No special configuration needed
- Looks like a passive cable to the host system
- Performs similar to a 1.5m passive cable, despite being up to 10m long

Backward compatibility with SFP+ I/O ports

Enables utility of legacy 10 Gbps Ethernet and 16 Gbps Fibre Channel systems

Temp-Flex cable technology

- Provides significant insertion loss improvement without OD penalty
- Boosts cost efficiencies through a vertically integrated supply chain
- Improves signal integrity performance with enhanced shielding compared with standard cable

Meets new IEEE 802.3bj and 802.3cd industry requirements

- Guarantees reliability in 28/56 Gbps systems
- Functions across a wide variety of next-generation technologies and applications enhanced shielding compared with standard cable

Markets and Applications

Telecommunication/Networking

- Switches, routers
- Central offices
- Cellular infrastructure
- Multi-platform service systems (DSL, cable data)

Servers/Storage

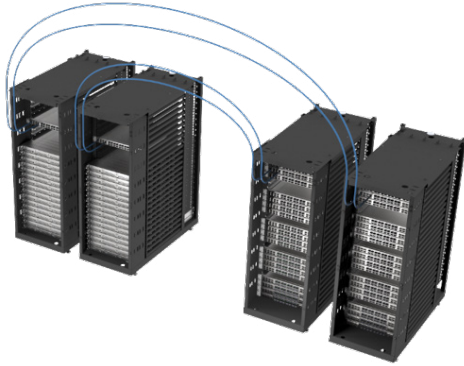
- Rack servers
- Blade servers
- Storage

Data Centers

- Enterprise
- Cloud
- Edge

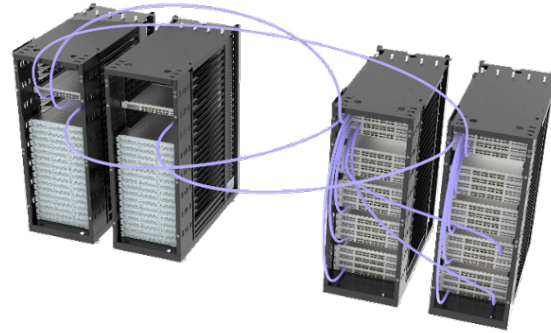
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Data Centers and Storage/
Servers: TOR-to-EOR/Spine
Switches

- 25 and 56 Gbps
- 7.0-10.0m



Data Centers and Storage/Servers: Mesh Fabric
of Spin / Aggregator Switches OR Server-to-TOR
Switch

- 56 Gbps
- 2.0-3.0m

Specifications

SERIES: 211479

STATUS: Active

OVERVIEW: SFP+ ACC (Active Copper Cable)
Assembly

DESCRIPTION: zSFP+ Turbo-DAC Active DAC
Assemblies, 28/56 Gbps, 30, 28 & 26 AWG Cable,
Pull-to-Release, Plunger-Style Latch, 3.0m Length
(min.), 10.0m Length (max.)

PRODUCT FAMILY: Cable Assemblies

ASSEMBLY CONFIGURATION: Dual-Ended
Connectors

COMMENTS: Meets customer requirements for
speeds up to 56 Gbps. Linear cables may require
host pre-emphasis and equalization to reach longer
lengths. Meets customer requirements for speeds
up to 56 Gbps. Linear cables may require host
pre-emphasis and equalization to reach at the longer
lengths.

CONNECTOR TO CONNECTOR: SFP+-to-SFP+

ELECTRICAL MODEL: Coming soon

PRODUCT NAME: zSFP Plus, zSFP+

UPC: TBD

REFERENCE INFORMATION

Mates with: zSFP+ Connectors (170382)

PHYSICAL

Backshells: Nickel-Plated Zinc

Delatch: Plastic

Circuits (Loaded): 2 differential pair

Gender: Male-male

Lock to Mating Part: Yes

Material: Metal Beryllium Copper, Zinc Alloy

Number of Rows: 2

Packaging Type: Bag

Single Ended: No

Waterproof/Dustproof: Yes

Wire/Cable Type: Twinax

Operating Temperature: 0 to +70°C

Storage Temperature: -20 to +85°C

ELECTRICAL

Impedance: 100 Ohms, differential

Power Consumption (max.): 0.35W

Shield Type: Full shield

Shielded: Yes

Voltage (max.): 3.3V

ENVIRONMENTAL

RoHS compliant: Yes

Halogen-free: No

EU ELV: Yes

China RoHS: Yes

EU RoHS: Yes

www.molex.com/link/zsfp+.html

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