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.

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

**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

**Low latency, low power and low cost**
Delivers better, more economical performance than assemblies with clock-and-data recover (CDR)/retimer designs

**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

**Backward compatibility with SFP+ I/O ports**
Enables utility of legacy 10 Gbps Ethernet and 16 Gbps Fibre Channel systems

**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
zSFP+ Turbo-DAC Active DAC Assemblies

Data Centers and Storage/Servers: TOR-to-EOR/Spine Switches
- 25 and 56 Gbps
- 7.0-10.0m

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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