DATASHEET

Multi-Trak I/O Connectors ›

Multi-Trak I/O Connectors conform to the SFF-TA-1033 standard, affording a compact design that maximizes space without compromising on performance. Achieving PCIe Gen 5 data rates with a roadmap to Gen 6, these connectors ensure exceptional signal integrity (SI) performance up to 64 Gbps to facilitate cost-effective, thermally efficient designs that meet the rigorous demands of next-generation data centers.

ADVANTAGES AND FEATURES

Provides flexibility for designs

The small form-factor of Multi-Trak I/O Connectors provides a wide variety of options for various configurations.

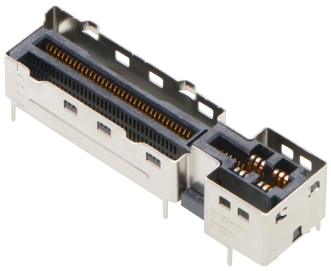
Meets versatility needs for different applications

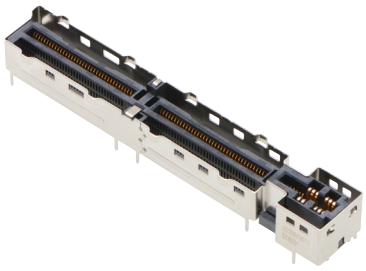
Multi-Trak I/O Connectors support both high-speed and power transmission that are widely accepted in data systems, communications and compute environments.

Offers a robust mechanical connector

Multi-Trak I/O Connectors have an anti-slant, anti-reverse design with contact protection to simplify assembly and prevent damage to the pins.

Voltage	30V DC
Current	10.5A max. per power pin, 0.5A max. per signal pin
Pitch	0.60mm
Operating Temperatures	-20 to +80°C





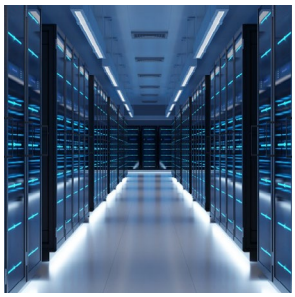
MARKETS AND APPLICATIONS

Server and Storage

Storage racks
Storage controllers
Redundant array of independent disks storage (RAIDS)
Enterprise storage systems
AI servers and High-Performance Computing

Telecommunications

Routers
Switches
Servers
Edge computing systems



Storage Racks

Servers

DATASHEET

Multi-Trak I/O Connectors ›

SPECIFICATIONS

Reference Information

Packaging: Tape and reel
Designed in: Millimeters
RoHS: Yes
Halogen Free: Yes

Mechanical

Mechanical
Latched Mating Force (max.): 1.10N
Latched Unmating Force (min.): 0.10N
Durability (max.): 500 ± 50 cycles
Latch Retention (min.): 50N
Mechanical Shock (max.): 20 milliohms
Contact Normal Force (min.): 0.09N

Electrical

Voltage (max.): 30V DCCurrent (max.): 21.0A
Standard Version: 10.5A per power pin, 0.5A per signal pin
Low-Level Contact Resistance (max.): 20 milliohmsDielectric Withstanding
Voltage: 300V DC
Insulation Resistance (min.): 1,000 Megohms

Physical

Housing: LCP
Contact: Copper Alloy
Shell: Stainless Steel
Operating Temperatures: -20 to +80°C

www.molex.com

Order No. 987652-7252 USA/0k/GF/2024.05