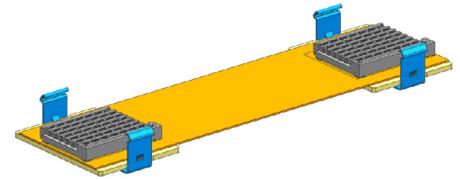
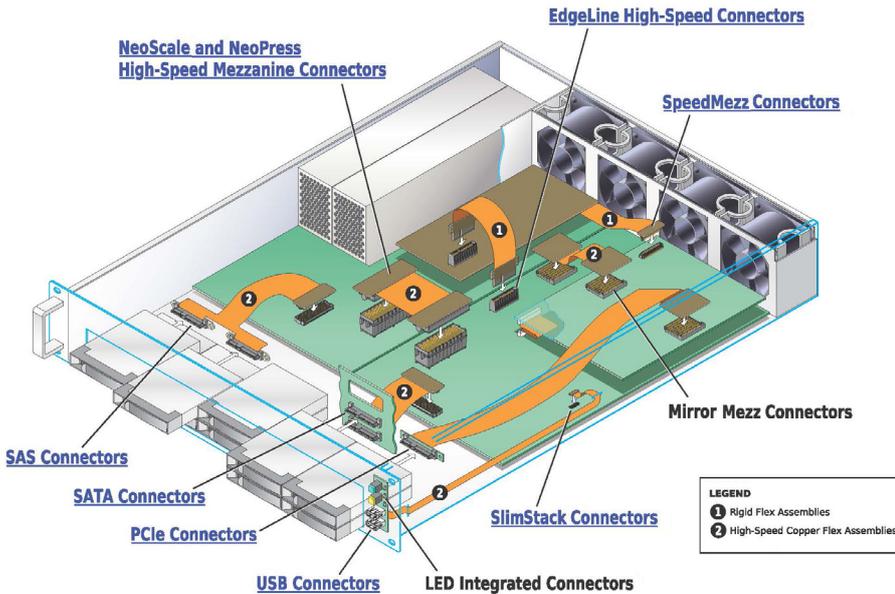


High-Speed Copper Flex Solutions

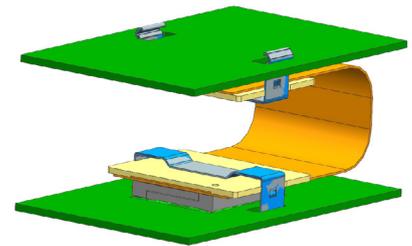


High-Speed (up to 56 Gbps NRZ) Copper Flex Solutions overcome design challenges for space-tight applications while enabling faster prototyping, lower tooling investments and airflow or thermal management enhancements

Features and Advantages



Mirror Mezz Flex, Horizontal Application



Mirror Mezz Flex, Mezzanine Application

Flex Cable Key Advantages:

Fast (56 Gbps NRZ protocol)

Use of rolled annealed copper (over electro-deposited copper) on foil gives higher signal integrity performance.
Less via-stub effects with flex cables compared to PCBs.
No glass-fiber reinforcement in flex cables as in PCBs

Flat

- Thin, pliable flex cables
- Tighter bending radius
- Airflow enhancement

Flexible

- Component integration
- Signal and power circuit variation in flex

Copper Flex Jumper options (board-to-board applications)

Compatible with Molex high-speed b-to-b connectors

- Mirror Mezz
- SpeedMezz Family
- NeoScale Family
- Searay Family
- SlimStack Family

Storage application options

Compatible with storage connectors including SAS, SATA and PCIe. Connects to thin, flat cables for tight bending radius and maximum space-savings

Copper Flex Jumper options (edge card applications)

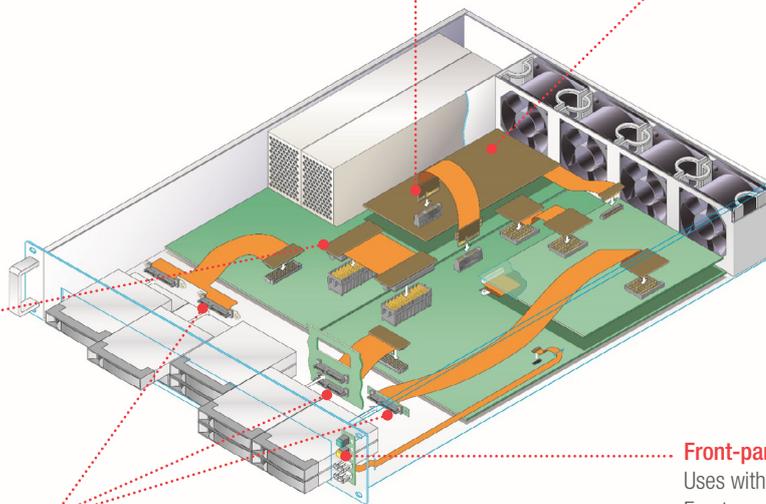
Rigid-flex structure with gold finger. Compatible with edge card connector family

Rigid-flex circuit assembly options

Rigid-flex structure simplifies configuration (integrating cable and PCBA all in one piece). Enables mounting of active or passive components

Front-panel integrated flex options

Uses with SlimStack Connector System. Front-panel device (USB, LED, switch button) integration. Overcomes space constraints



High-Speed Copper Flex Solutions



Applications

Data/Telecom/Networking

- Servers
- High-end computers
- Storage servers
- Routers
- Switches

Automotive

- Connected mobility

Medical

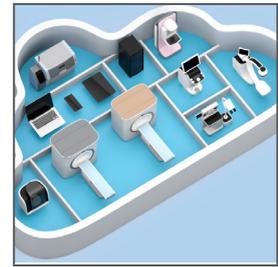
- Digital information servers



Data Centers



Automotive



Medical

Ordering Information

| Custom Product | Description | | |
|----------------|-------------------------------|---------------------------------|-------------------|
| Contact Molex | High-Speed Flex Solutions | | |
| | Compatible Connector Families | Maximum Differential Pairs (DP) | Maximum Data Rate |
| | Mirror Mezz | Up to 96 | Up to 56 Gbps |
| | SpeedStack/SpeedEdge | Up to 22 | Up to 56 Gbps |
| | Searay | Up to 132 | Up to 16 Gbps |
| | SAS/SATA/PCIe | Depends on the connector | Up to 12 Gbps |
| SlimStack | Up to 25 | Up to 16 Gbps | |

www.molex.com/link/highspeedflexassemblies.html

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