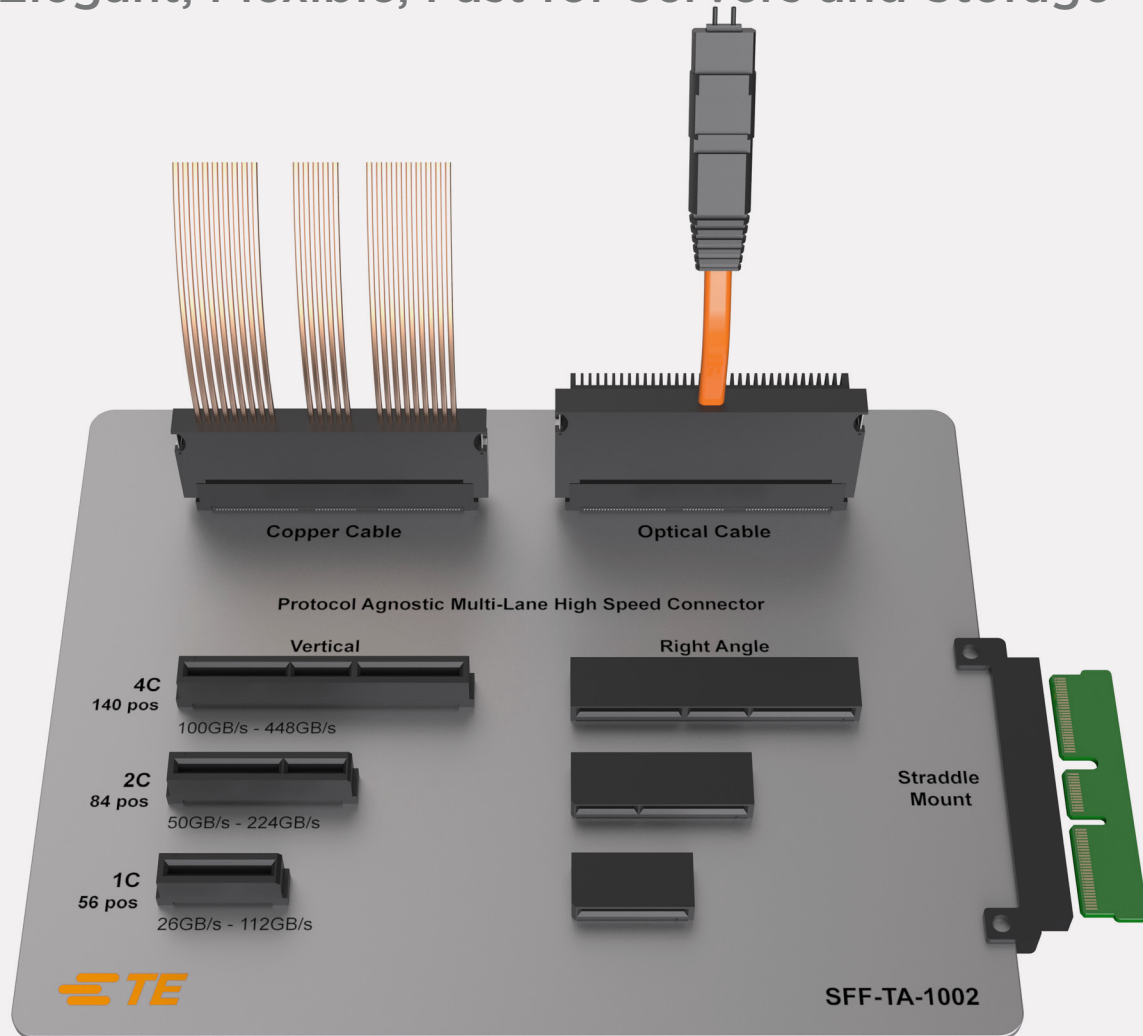


# TE CONNECTIVITY'S SLIVER 2.0 CONNECTOR CHOSEN AS NEW STORAGE STANDARD SFF-TA-1002 CONNECTOR

Elegant, Flexible, Fast for Servers and Storage

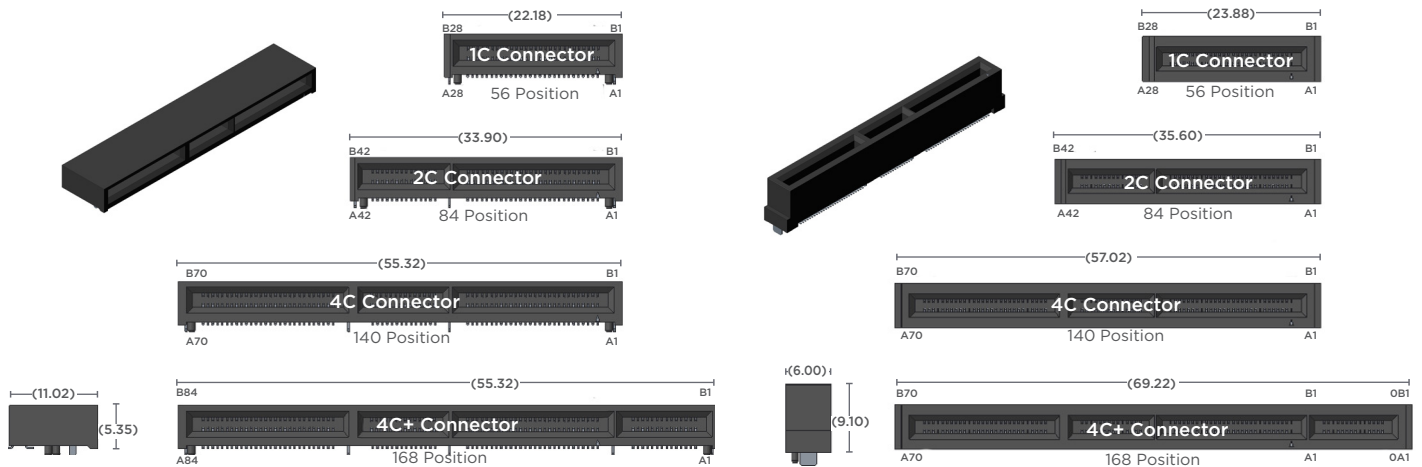


## SLIVER 2.0 CONNECTOR FEATURES

- High density, hot pluggable, high performance and cost effective
- Protocol-agnostic multi-lane high speed connector
- Chosen as the next industry standard flash storage connector
- Proposed alternative or replacement to many form-factors including M.2, U.2, and PCIe
- Options available to connect to PCB card edge, cable or optics

# SFF-TA-1002 SPECIFICATIONS

- Sliver connector chosen for performance, density, flexibility, and robustness
- Rated up to 56G PAM-4 (112G)
- Meets all current protocol performance requirements for PCIe Gen3/4 (8G & 16G), SAS-3/4 (6G, 12G, & 24G), Ethernet protocols (10G & 25G per lane), Infiniband (28G), and expected to meet performance for IEEE & OIF 56 Gbps, PCIE Gen5, and SAS5
- Sizing options include 1C (x4), 2C (x8), and 4C/4C+ (16) in both right angle, and vertical sizes. All module cards can plug into any alternate configuration by design. Non-standard variants are also available in X32 and X16 + high power
- Click on each standard below for more information on how one connector family can be used for many server, storage, network, and other data communication connectivity needs



## REFERENCE APPLICATIONS

### EDSFF / Intel Ruler

#### Reference Applications:

- Enterprise Storage & JBOF
- Supports SFF-TA-1006, 1007, 1008, 1009

#### TE Part Numbers (V & R):

|     |       |           |
|-----|-------|-----------|
| X4  | 1C V  | 2327679-1 |
|     | 1C RA | 2327672-1 |
| X8  | 2C V  | 2327678-1 |
|     | 2C RA | 2327671-1 |
| X16 | 4C V  | 2327677-1 |
|     | 4C RA | 2327670-1 |

#### Orthogonal:

|    |     |           |
|----|-----|-----------|
| 1C | 1x1 | 2339207-1 |
| 1C | 1x4 | 2337513-1 |
| 2C | 1x1 | 2339208-1 |
| 2C | 1x4 | 2337516-1 |

### OCP NIC 3.0

#### Reference Applications:

- OCP pluggable NIC form factor
- X16 4C+: supports x8 and x16 large and small form factor NICs
- X16 4C: additional connector to support x24 and x32 large NICs

|     |                |           |
|-----|----------------|-----------|
| RA  |                | 2336568-1 |
| X16 | Vertical       | 2327677-1 |
| 4C+ | Straddle-Mount | 2328694-1 |
|     | Mezzanine      | TBD       |
| RA  |                | 2327670-1 |
| X16 | Vertical       | 2333799-1 |
| 4C  | Straddle-Mount | 2324490-1 |
|     | Mezzanine      | TBD       |

### GEN-Z

#### Reference Applications:

- PCIe riser card
- Storage and memory
- Hardware accelerators

#### TE Part Numbers:

|      |       |           |
|------|-------|-----------|
| 8dp  | 1C V  | 2327679-1 |
|      | 1C RA | 2327672-1 |
| 16dp | 2C V  | 2327678-1 |
|      | 2C RA | 2327671-1 |
| 32dp | 4C V  | 2327677-1 |
|      | 4C RA | 2327670-1 |

### OPEN COMPUTE PROJECT

#### Reference Applications:

- GP-GPU
- Flash Storage Carrier

#### TE Part Numbers:

|     |       |           |
|-----|-------|-----------|
| X8  | 2C V  | 2327678-1 |
|     | 2C RA | 2327671-1 |
| X16 | 4C V  | 2327677-1 |
|     | 4C RA | 2327670-1 |

Ultimate flexibility in applications, data rates and protocols