

# SFF-TA-1002 连接器

优雅、灵活、快速，适用于服务器和存储设备

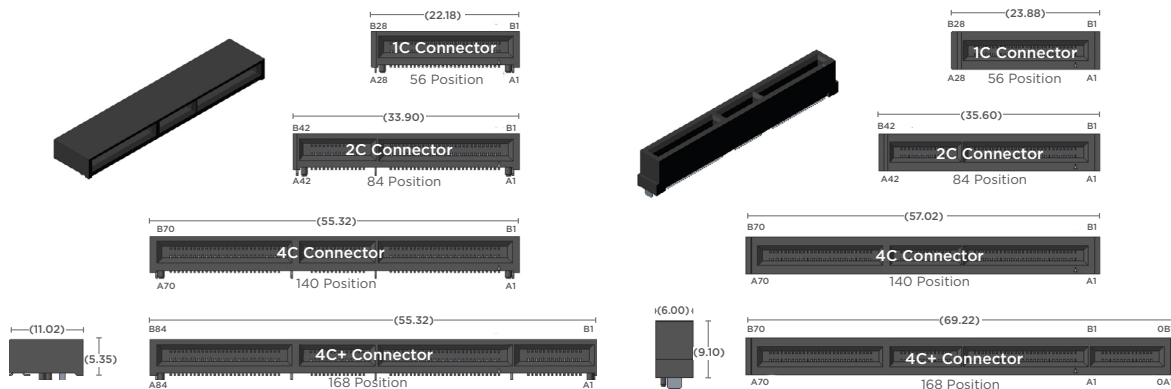
TE Connectivity的Sliver 2.0 连接器已成为新的存储标准。

## SLIVER 2.0 连接器的特点

- 高密度、支持热插拔、高性能、高成本效益
- 不受协议影响的多线高速连接器
- 下一代工业标准闪存连接器
- 可以替代或取代许多外形尺寸的产品，包括M.2、U.2和PCIe
- 可选择连接到PCB卡缘、电缆或光学器件

## SFF-TA-1002 的规格

- Sliver 连接器凭借其高性能、密度、灵活性和稳固性被广泛选用
- 额定值高达56G PAM-4 (112G)
- 满足 PCIe Gen3/4 (8G和16G)、SAS-3/4 (6G、12G和24G)、以太网协议 (每通道 10G 和 25G)、Infiniband (28G) 的所有当前协议性能要求，并有望满足 IEEE 和 OIF 56 Gbps、PCIe Gen5 和 SAS5的性能要求
- 可选尺寸包括 1C (x4)、2C (x8) 和 4C/4C+ (16) 的直型和垂直尺寸。所有模块卡均可通过设计插入任何备用配置。非标准型变体也有X32和X16+高功率型号
- 点击以下各项标准，详细了解一个连接器系列如何应用于多种服务器、存储、网络和其他数据通信连接需求



## SFF-TA-1002 连接器

### 参考应用

#### EDSFF / INTEL RULER

- 企业存储和JBOF
- 支持 SFF-TA-1006、1007、1008、1009

#### OCP NIC 3.0

- OCP 可插拔式网卡的外形尺寸
- X16 4C+：支持 x8 和 x16 大尺寸和小尺寸网卡
- X16 4C：附加连接器，支持 x24 和 x32 大尺寸网卡

#### GEN-Z

- PCIe 直立卡
- 存储器和内存
- 硬件加速器

### PART NUMBERS

#### Card Edge Receptacles- PCIe Gen 5

Part Description	Orientation	Standard	TE Part Numbers						
			56 Position	84 Position	140 Position	168 Position	196 Position	224 Position	280 Position
Card Edge Receptacle	Vertical	SFF-TA-1002	2327679-1	2327678-1	2327677-1	-	-	-	-
Card Edge Receptacle + Power	Vertical	N/A	-	-	2338718-1	2333799-1	-	-	-
Card Edge Receptacle	Vertical	SFF Derivative	-	-	-	Under development	2348234-1	Under development	Under development
Card Edge Receptacle	Right Angle	SFF-TA-1002	2327672-1	2327671-1	2327670-1	2336568-1	-	-	-
Card Edge Receptacle 1x1 SMT	Orthogonal	SFF-TA-1002, EDSFF	-	Under development	-	-	-	-	-
Card Edge Receptacle 1x4 SMT	Orthogonal	SFF-TA-1002, EDSFF	Under development	Under development	-	-	-	-	-
Card Edge Receptacle, 1.57mm Host PCB	Straddle	SFF-TA-1002, OCP NIC 3.0	-	2340326-1	2340324-1	2340321-1	-	-	-
Card Edge Receptacle, 1.57mm Host PCB	Straddle	N/A	2340331-1	-	-	-	-	-	-
Card Edge Receptacle, 1.93mm Host PCB	Straddle	SFF-TA-1002, OCP NIC 3.0	-	-	1-2340324-2	1-2340321-2	-	-	-
Card Edge Receptacle, 2.36mm Host PCB	Straddle	SFF-TA-1002, OCP NIC 3.0	-	-	2-2340324-1	2-2340321-1	-	-	-

#### Receptacles for Cable Assemblies - PCIe Gen5

Part Description	Orientation	Standard	TE Part Numbers				
			28 Position	56 Position	84 Position	140 Position	168 Position
Receptacle for Cable Assembly	Vertical	SFF-TA-1002	-	2332141-1	2331813-1	2332139-1	2384218-1
Receptacle for Cable Assembly	Right Angle	SFF-TA-1002	2345808-1	2332208-1	2331814-1	2332205-1	2369833-1

#### Card Edge Power

Part Description	Orientation	Standard	TE Part Numbers
50 AMP Card Edge Assembly - Open Wall	Vertical	SFF Derivative	2344604-1
50 AMP Card Edge Assembly	Right Angle	SFF Derivative	2351970-1
50 AMP Card Edge Assembly - One End Wall	Vertical	SFF Derivative	2345506-1
4C High Power Card Edge Assembly	Vertical	SFF Derivative	2338718-1

## SFF-TA-1002 连接器

### Sliver Direct to Lead Frame Cable Assemblies-- PCIe Gen5

Part Description	Impedance	Wire Size	TE Part Numbers			
			56 Position		168 Position	
			0.5 Meter	1.0 Meter	0.5 Meter	0.3 Meter
4C+ RECEPTACLE ASSEMBLY to 4C+ PLUG	85	30 AWG	-	-	2373783-1	2373783-2
4C+ RECEPTACLE ASSEMBLY to MCIO & SLIVER 1C HYBRID	85	30 AWG	-	-	Under development	Under development
1C RECEPTACLE ASSEMBLY	85	30 AWG	2373744-1	2343284-2	-	-
1C ORTHOGONAL	85	30 AWG	2428093-1	Under development	-	-

### Sliver Cable Assemblies- PCIe Gen5

Part Description	Impedance	Wire Size	TE Part Numbers- Push Button Cable Assemblies					
			56 Position		84 Position		140 Position	
			0.5 Meter	1.0 Meter	0.5 Meter	1.0 Meter	0.5 Meter	1.0 Meter
Straight to Straight Cable	85	33 AWG	2340872-1	2340872-2	2340783-1	2340783-2	2340879-1	2340879-2
Straight to R/A Cable	85	33 AWG	2340873-1	2340873-2	2340930-1	2340930-2	2340880-1	2340880-2
R/A to R/A Cable	85	33 AWG	2340874-1	2340874-2	2340789-1	2340789-2	2340881-1	2340881-2
Lateral to Lateral Cable	85	33 AWG	2343284-1	2343284-2	2343286-1	2343286-2	2343288-1	2343288-2
Straight to Straight Cable	85	30 AWG	2340876-1	2340876-2	2340861-1	2340861-2	2340882-1	2340882-2
Straight to R/A Cable	85	30 AWG	2340877-1	2340877-2	2340863-1	2340863-2	2340884-1	2340884-2
R/A to R/A Cable	85	30 AWG	2340878-1	2340878-2	2340865-1	2340865-2	2340885-1	2340885-2
Straight to Straight Cable	100	33 AWG	2349831-1	2349831-2	2349835-1	2349835-2	2349841-1	2349841-2
Straight to R/A Cable	100	33 AWG	2349832-1	2349832-2	2349838-1	2349838-2	2349842-1	2349842-2
R/A to R/A Cable	100	33 AWG	2349833-1	2349833-2	2349839-1	2349839-2	2349843-1	2349843-2
Lateral to Lateral Cable	100	33 AWG	2349834-1	2349834-2	2349840-1	2349840-2	2349844-1	2349844-2

All cable assemblies can be used for SFF-TA-1002 receptacles.

### Sliver Cable Assemblies- PCIe Gen5 Gen5

Part Description	Impedance	Wire Size	TE Part Numbers- Pull Tab Cable Assemblies					
			56 Position		84 Position		140 Position	
			0.5 Meter	1.0 Meter	0.5 Meter	1.0 Meter	0.5 Meter	1.0 Meter
Straight to Straight Cable	85	33 AWG	2361330-1	2361330-2	2361341-1	2361341-2	2361352-1	2361352-2
Straight to R/A Cable	85	33 AWG	2361332-1	2361332-2	2361343-1	2361343-2	2361354-1	2361354-2
R/A to R/A Cable	85	33 AWG	2361334-1	2361334-2	2361345-1	2361345-2	2361356-1	2361356-2
Lateral to Lateral Cable	85	33 AWG	2361336-1	2361336-2	2361347-1	2361347-2	2361358-1	2361358-2
Straight to Straight Cable	85	30 AWG	2361331-1	2361331-2	2361342-1	2361342-2	2361353-1	2361353-2
Straight to R/A Cable	85	30 AWG	2361333-1	2361333-2	2361344-1	2361344-2	2361355-1	2361355-2
R/A to R/A Cable	85	30 AWG	2361335-1	2361335-2	2361346-1	2361346-2	2361357-1	2361357-2
Straight to Straight Cable	100	33 AWG	2361337-1	2361337-2	2361348-1	2361348-2	2361359-1	2361359-2
Straight to R/A Cable	100	33 AWG	2361338-1	2361338-2	2361349-1	2361349-2	2361360-1	2361360-2
R/A to R/A Cable	100	33 AWG	2361339-1	2361339-2	2361350-1	2361350-2	2361361-1	2361361-2
Lateral to Lateral Cable	100	33 AWG	2361340-1	2361340-2	2361351-1	2361351-2	2361362-1	2361362-2

All cable assemblies can be used for SFF-TA-1002 receptacles.

在应用、数据速率和协议方面实现了最大灵活性

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