

2149966-1 ✓ ACTIVE



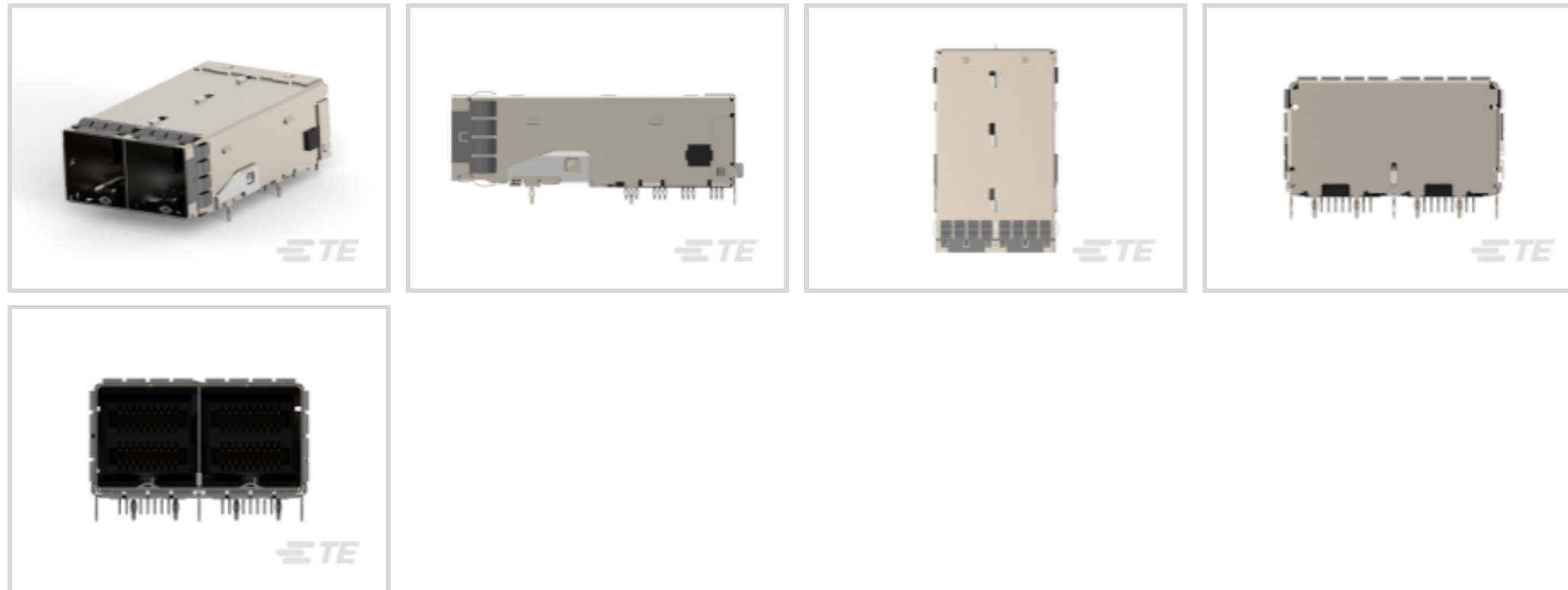
## Mini-SAS HD

TE Internal #: 2149966-1

Mini-SAS HD, Cage, .03mm [.75in] Centerline, Signal, Operating Temperature Range -55 – 85 °C [-67 – 185 °F], Data Rate (Max) 12 Gb/s, 72 Position

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages > Mini-SAS HD Cages



Pluggable I/O Product Type: **Cage**

Centerline (Pitch): **.03 mm [ .75 in ]**

Circuit Application: **Signal**

Operating Temperature Range: **-55 – 85 °C [ -67 – 185 °F ]**

Data Rate (Max): **12 Gb/s**

[All Mini-SAS HD Cages \(12\)](#)

## Features

### Product Type Features

Pluggable I/O Product Type	Cage
Form Factor	Mini-SAS HD

### Configuration Features

Number of Positions	72
Number of Ports	2
Port Matrix Configuration	1 x 2

### Electrical Characteristics

Data Rate (Max)	12 Gb/s
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### Contact Features

Contact Base Material	Copper Alloy
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### Termination Features

Termination Post & Tail Length	1.64 mm [.065 in]
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Termination Method to PCB

Through Hole - Press-Fit

### Housing Features

Housing Material

LCP (Liquid Crystal Polymer)

Centerline (Pitch)

.03 mm [.75 in]

### Dimensions

PCB Thickness (Recommended)

.97 mm [.038 in]

Profile Height from PCB

12.78 mm [.503 in]

### Usage Conditions

Operating Temperature Range

-55 – 85 °C [-67 – 185 °F]

### Operation/Application

Circuit Application

Signal

### Industry Standards

UL Flammability Rating

UL 94V-0

### Packaging Features

Packaging Method

Box &amp; Tray

### Other

Included Lightpipe

No

EMI Containment Feature Type

Internal/External EMI Springs

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU

Compliant

EU ELV Directive 2000/53/EC

Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2024 (241)  
Candidate List Declared Against: JUNE 2024 (241)  
Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability


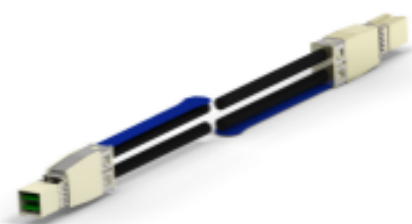

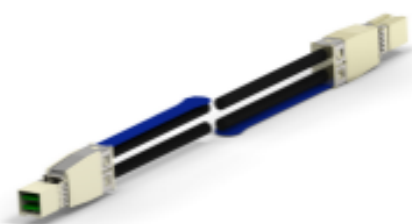

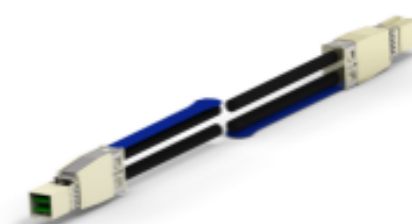
Not applicable for solder process capability



Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts

 <p>TE Part # 2-2337815-1 MINISAS HD TO MINISAS HD,30AWG, 0.5M</p>	 <p>TE Part # 2-2337815-2 MINISAS HD TO MINISAS HD,30AWG, 1M</p>	 <p>TE Part # 2-2337815-3 MINISAS HD TO MINISAS HD,30AWG, 2M</p>	 <p>TE Part # 2-2337815-4 MINISAS HD TO MINISAS HD,30AWG, 3M</p>
 <p>TE Part # 2-2337815-5 MINISAS HD TO MINISAS HD,30AWG, 4M</p>	 <p>TE Part # 2337815-1 MINISAS HD TO MINISAS HD,30AWG, 0.5M</p>	 <p>TE Part # 2337815-2 MINISAS HD TO MINISAS HD,30AWG, 1M</p>	 <p>TE Part # 2337815-4 MINISAS HD TO MINISAS HD,30AWG, 3M</p>
 <p>TE Part # 4-2337815-1 MINISAS HD TO MINISAS HD,28AWG, 0.5M</p>	 <p>TE Part # 4-2337815-2 MINISAS HD TO MINISAS HD,28AWG, 1M</p>	 <p>TE Part # 4-2337815-3 MINISAS HD TO MINISAS HD,28AWG, 2M</p>	 <p>TE Part # 4-2337815-4 MINISAS HD TO MINISAS HD,28AWG, 3M</p>
 <p>TE Part # 4-2337815-5 MINISAS HD TO MINISAS HD,28AWG, 4M</p>	 <p>TE Part # 4-2337815-6 MINISAS HD TO MINISAS HD,28AWG, 5M</p>	 <p>TE Part # 4-2337815-7 MINISAS HD TO MINISAS HD,28AWG, 6M</p>	 <p>TE Part # 4-2337815-8 MINISAS HD TO MINISAS HD,28AWG, 7M</p>



Also in the Series | Mini-SAS HD



Customers Also Bought





## Documents

### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2149966-1\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2149966-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2149966-1\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[7-1773461-9\\_MINI\\_SAS\\_HD\\_INTERCONNECT](#)

English

### Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

### Agency Approvals

[UL Report](#)

English