

2180736-1 ✓ ACTIVE

## Mini-SAS HD

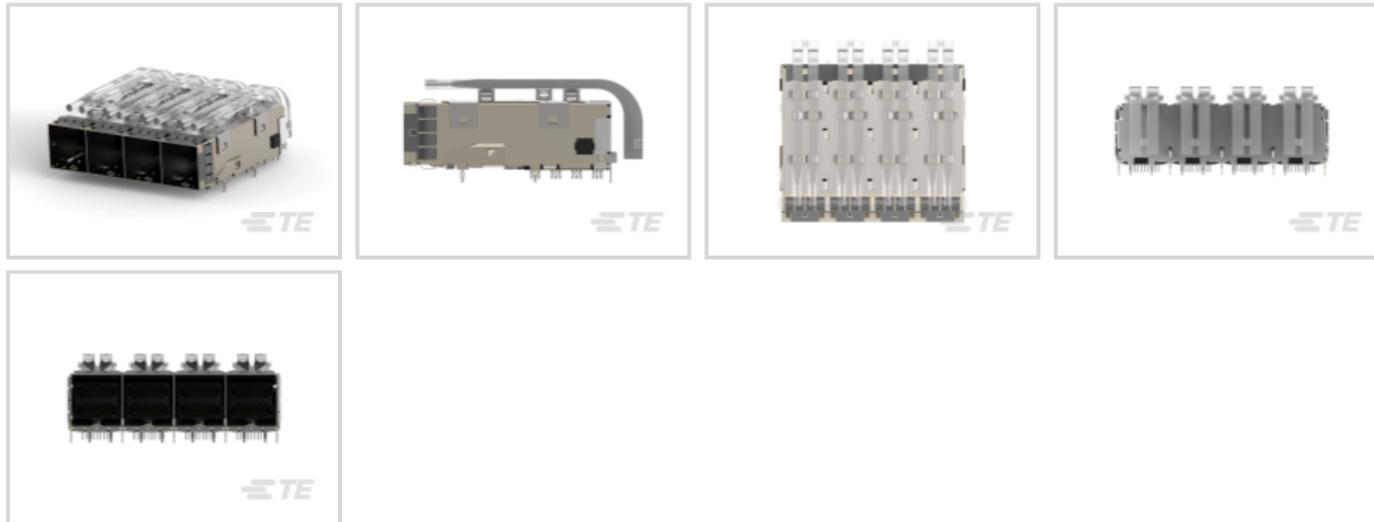
TE Internal #: 2180736-1

Mini-SAS HD, Cage, .03mm [.75in] Centerline, Signal, Operating Temperature Range -55 – 85 °C [-67 – 185 °F], Data Rate (Max) 12 Gb/s, 144 Position

[View on TE.com >](#)



Connectors > High Speed 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 \(11\)](#)

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	144
Number of Ports	4
Port Matrix Configuration	1 x 4

### 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 Method to PCB	Through Hole - Press-Fit
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Termination Post & Tail Length	1.64 mm[.065 in]
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### Housing Features

Housing Material	Liquid Crystal Polymer (LCP)
Centerline (Pitch)	.03 mm[.75 in]

### Dimensions

PCB Thickness (Recommended)	.97 mm[.038 in]
Profile Height from PCB	16.44 mm[.647 in]

### Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Box & Tray
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### Other

Included Lightpipe	Yes
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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability



Product Compliance Disclaimer

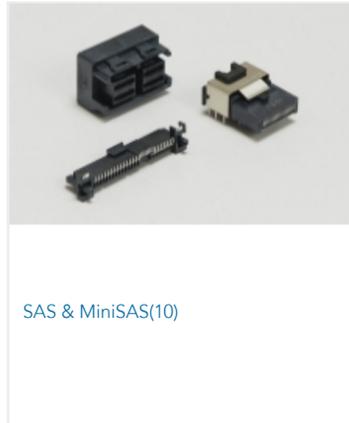
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2-2337815-6 MINISAS HD TO MINISAS HD,30AWG, 5M</p>	 <p>TE Part # 2-2337815-2 MINISAS HD TO MINISAS HD,30AWG, 1M</p>	 <p>TE Part # 2337815-4 MINISAS HD TO MINISAS HD,30AWG, 3M</p>	 <p>TE Part # 4-2337815-8 MINISAS HD TO MINISAS HD,28AWG, 7M</p>
 <p>TE Part # 4-2337815-6 MINISAS HD TO MINISAS HD,28AWG, 5M</p>	 <p>TE Part # 2-2337815-4 MINISAS HD TO MINISAS HD,30AWG, 3M</p>	 <p>TE Part # 2337815-2 MINISAS HD TO MINISAS HD,30AWG, 1M</p>	 <p>TE Part # 2-2337815-1 MINISAS HD TO MINISAS HD,30AWG, 0.5M</p>
 <p>TE Part # 2-2337815-5 MINISAS HD TO MINISAS HD,30AWG, 4M</p>	 <p>TE Part # 2-2337815-3 MINISAS HD TO MINISAS HD,30AWG, 2M</p>	 <p>TE Part # 4-2337815-1 MINISAS HD TO MINISAS HD,28AWG, 0.5M</p>	 <p>TE Part # 4-2337815-7 MINISAS HD TO MINISAS HD,28AWG, 6M</p>
 <p>TE Part # 4-2337815-4 MINISAS HD TO MINISAS HD,28AWG, 3M</p>	 <p>TE Part # 4-2337815-2 MINISAS HD TO MINISAS HD,28AWG, 1M</p>	 <p>TE Part # 2337815-1 MINISAS HD TO MINISAS HD,30AWG, 0.5M</p>	 <p>TE Part # 2337815-3 MINISAS HD TO MINISAS HD,30AWG, 2M</p>



Also in the Series | **Mini-SAS HD**



Customers Also Bought



Documents

Product Drawings

MiniSAS HD 1x4 Rec Assy w/ LP

English

CAD Files

3D PDF

3D



**Customer View Model**

[ENG\\_CVM\\_CVM\\_2180736-1\\_B.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2180736-1\\_B.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2180736-1\\_B.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

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

English

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**Product Specifications**

[Application Specification](#)

English

[Application Specification](#)

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**Instruction Sheets**

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

English

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**Agency Approvals**

[UL Report](#)

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