



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

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



Form Factor: **Mini-SAS HD**
Pluggable I/O Product Type: **Cage**
Centerline (Pitch): **.03 mm [.75 in]**
Circuit Application: **Signal**
Operating Temperature Range: **-55 – 85 °C [-67 – 185 °F]**

[All Mini-SAS HD Cages \(11\)](#)

Features

Product Type Features

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

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	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>

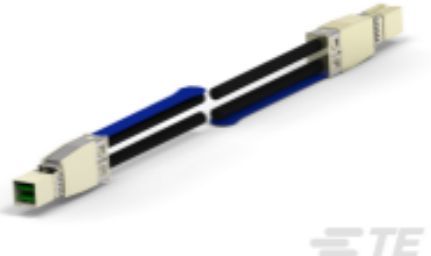
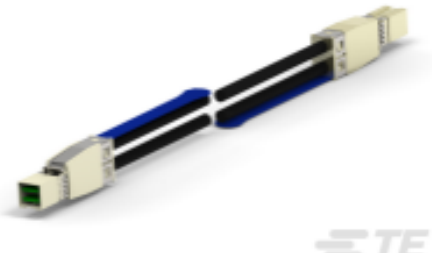
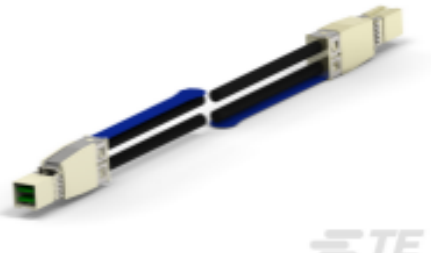
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not 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

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





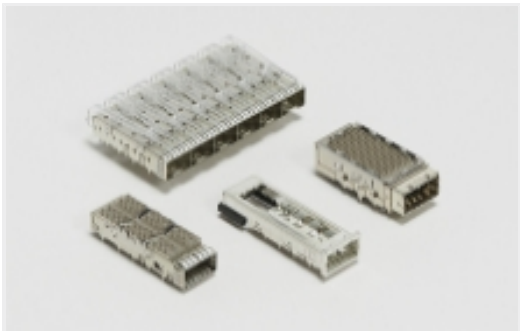
TE Part # 4-2337815-8
MINISAS HD TO MINISAS HD,28AWG,
7M



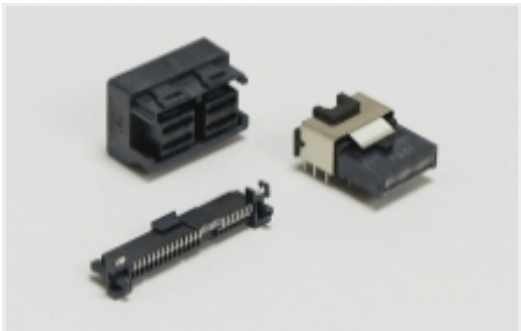
TE Part # 2337815-2
MINISAS HD TO MINISAS HD,30AWG,
1M

Also in the Series

Mini-SAS HD



Pluggable IO Connectors & Cages(10)



SAS & MiniSAS(10)



SATA & Micro SATA(1)

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #206070-8
CABLE CLAMP KIT #17



TE Part #CAT-D487-W416
WedgeLocks: DEUTSCH DT



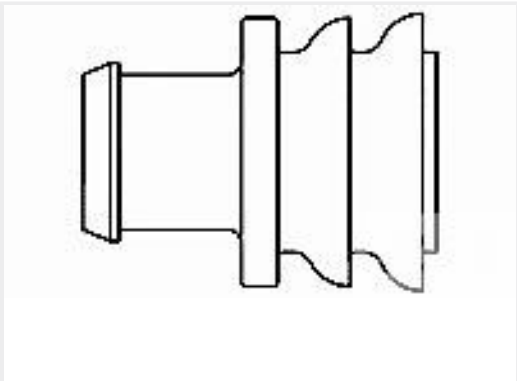
TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

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.

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