



Mini-SAS HD

TE Internal #: 2149027-1  
Mini-SAS HD, Cage, .03mm [.75in] Centerline, Signal, Operating Temperature Range -55 – 85 °C [-67 – 185 °F], Data Rate (Max) 12 Gb/s, 36 Position

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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       | 36    |
| Number of Ports           | 1     |
| Port Matrix Configuration | 1 x 1 |

Electrical Characteristics

|                 |         |
|-----------------|---------|
| Data Rate (Max) | 12 Gb/s |
|-----------------|---------|

Contact Features

|                       |              |
|-----------------------|--------------|
| Contact Base Material | Copper Alloy |
|-----------------------|--------------|

Termination Features

|                                |                  |
|--------------------------------|------------------|
| Termination Post & Tail Length | 1.64 mm[.065 in] |
|--------------------------------|------------------|



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 & 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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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

TE Part # CAT-IN819-C76264  
Internal Mini-SAS HD Receptacles

Also in the Series | Mini-SAS HD

Pluggable I/O Cable Assemblies(18)

Pluggable IO Connectors & Cages(11)

SAS & MiniSAS(10)

SATA & Micro SATA(1)

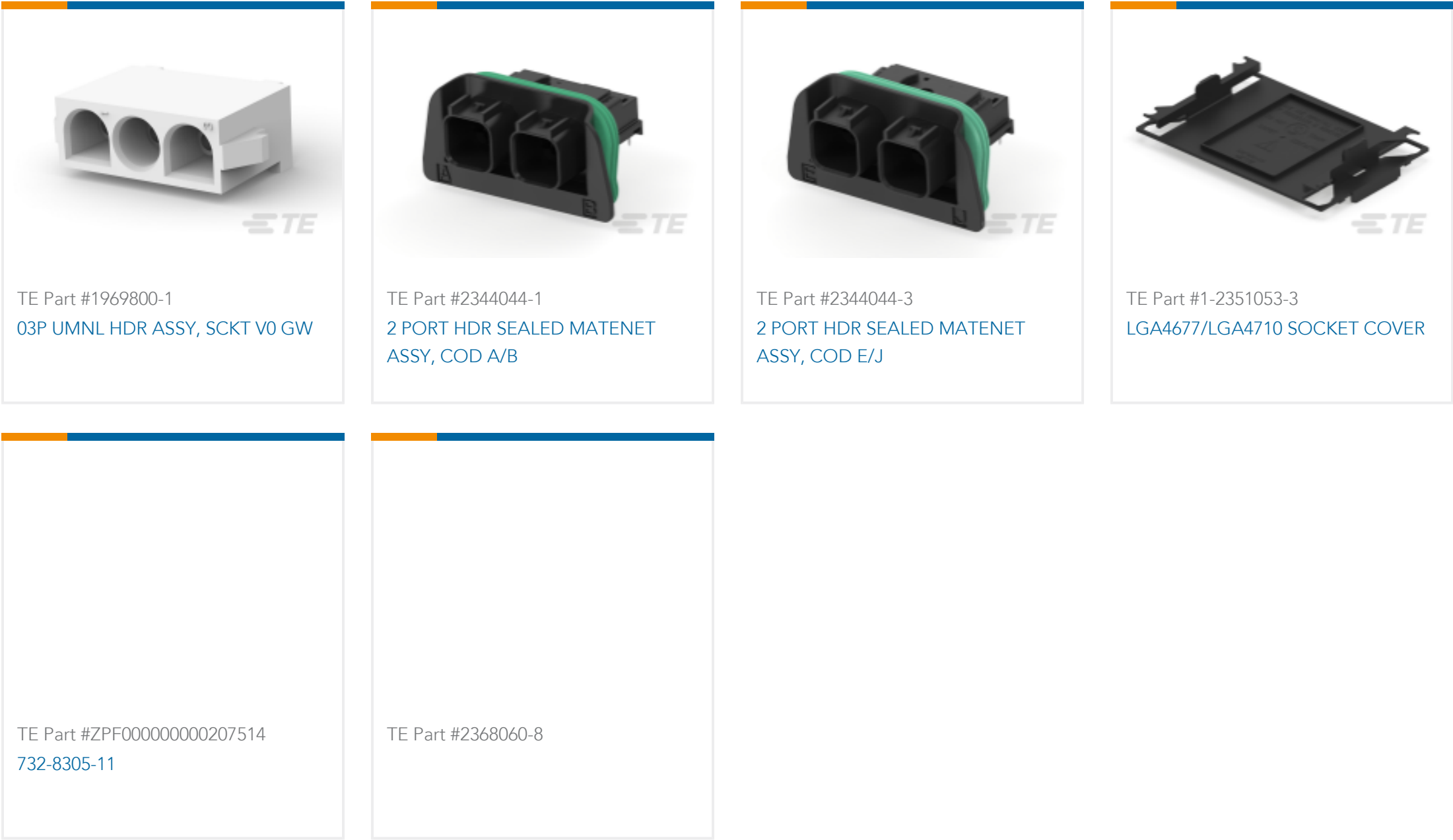
Customers Also Bought

TE Part #2007492-5  
SFP+assy 2x1 Spring Fingers 4LP Sn

TE Part #968183-1  
2.RETAINER

TE Part #2344604-1  
50 AMP CARD EDGE ASSEMBLY

TE Part #1969795-1  
02P UMNL HDR ASSY SCKT V0 GW



Documents

Product Drawings

MiniSAS HD 1x1 Rec Assy

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2149027-1\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2149027-1\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2149027-1\_C.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

Instruction Sheets

Instruction Sheet (U.S.)



English

[Agency Approvals](#)

[UL Report](#)

English