



TE Internal #: 2274680-1  
Mini-SAS HD, Receptacle, Cable-to-Board, 144 Position, 4 Row, 4  
Port, Right Angle, Through Hole - Press-Fit, .029 in [.75 mm]  
Centerline, Signal  
[View on TE.com >](#)

Connectors > PCB Connectors > SAS & MiniSAS



SAS Connector Type: **Mini-SAS HD**  
Connector & Housing Type: **Receptacle**  
Connector System: **Cable-to-Board**  
Number of Positions: **144**  
Number of Rows: **4**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Shell                             | With                  |
| Connector & Contact Terminates To | Printed Circuit Board |
| SAS Connector Type                | Mini-SAS HD           |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Cable-to-Board        |

Configuration Features

|                       |             |
|-----------------------|-------------|
| Number of Positions   | 144         |
| Number of Rows        | 4           |
| Number of Ports       | 4           |
| PCB Mount Orientation | Right Angle |

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

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

Termination Features

|                                             |                          |
|---------------------------------------------|--------------------------|
| Termination Method to Printed Circuit Board | Through Hole - Press-Fit |
|---------------------------------------------|--------------------------|

Mechanical Attachment

|                     |      |
|---------------------|------|
| PCB Mount Retention | With |
|---------------------|------|



|                          |                          |
|--------------------------|--------------------------|
| PCB Mount Retention Type | M2 Screw                 |
| Connector Mounting Type  | Board Mount, Panel Mount |

Housing Features

|                    |                              |
|--------------------|------------------------------|
| Housing Material   | LCP (Liquid Crystal Polymer) |
| Centerline (Pitch) | .75 mm[.029 in]              |

Dimensions

|                         |                   |
|-------------------------|-------------------|
| Profile Height from PCB | 12.78 mm[.503 in] |
|-------------------------|-------------------|

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| High Temperature Housing    | Yes                       |
| 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 Quantity | 15         |
| Packaging Method   | Box & Tray |

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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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 # 2227582-1

1X4 R/A ASSY, MINI SAS HD

INTERNAL

Customers Also Bought



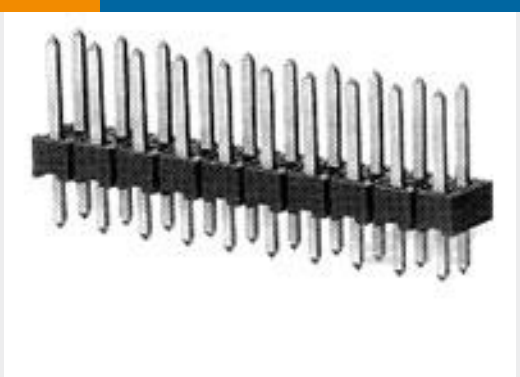
TE Part # 2149966-1

MiniSAS HD, 1x2 Rec Assy



TE Part # 1-2199230-5

M.2 0.5PITCH 4.2H KEY M 15U" AU



TE Part # 5-146256-1

02 MODII HDR DRST B/A .100CL LF



TE Part # 2169809-1

IMP,Power,4PR,VR,Tin



TE Part # 3-2176337-9

CRGCQ 0402 15K 1%



TE Part # 1924678-1

26P SMT LAC HDR ASY, KEY AE, Hand Mate



TE Part # 2354166-2

SAS/PCIE 4.0 (U.2/U.3) RECEPTACLE, 68POS



TE Part # 2359309-1

CAGE ASSEMBLY, QSFP28 1X1 THERMAL BRIDGE



Documents

Product Drawings

MINISAS HD 1X4 REC ASSY W/ WELD; AU ONLY

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2274680-1\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2274680-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2274680-1\_B.3d\_stp.zip

English

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

Product Specifications

Application Specification

English