



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) Candidate List Declared Against: JAN 2024 (240) 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 #2227580-1  
1X1 R/A ASSY, MINI SAS HD  
INTERNAL



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  
CRGCO 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



## 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