#### Mini-SAS HD

TE Internal #: 2227581-1

Internal Mini-SAS HD, Receptacle, Cable-to-Board, 72 Position, 4 Row, 2 Port, Right Angle, Through Hole - Press-Fit, Mini-SAS HD

View on TE.com >



Connectors > PCB Connectors > SAS & MiniSAS > Internal Mini-SAS HD Receptacles











SAS Connector Type: Internal Mini-SAS HD
Connector & Housing Type: Receptacle

Connector System: Cable-to-Board

Number of Positions: **72**Number of Rows: **4** 

All Internal Mini-SAS HD Receptacles (6)

# **Features**

# **Product Type Features**

| Shell                             | Without               |
|-----------------------------------|-----------------------|
| SAS Connector Type                | Internal Mini-SAS HD  |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Cable-to-Board        |
| Connector & Contact Terminates To | Printed Circuit Board |
| Configuration Features            |                       |
| Number of Positions               | 72                    |

# **Body Features**

Number of Rows

Number of Ports

PCB Mount Orientation

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

4

2

Right Angle

#### **Contact Features**



| Contact Mating Area Plating Material          | Gold                         |
|---|------------------------------|
| Contact Underplating Material                 | Nickel                       |
| PCB Contact Termination Area Plating Material | Tin                          |
| 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                     |
| Housing Features                              |                              |
| Housing Material                              | LCP (Liquid Crystal Polymer) |
| Centerline (Pitch)                            | .75 mm[.029 in]              |
| Dimensions                                    |                              |
| Profile Height from PCB                       | 13.9 mm[.547 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                            |                              |
|   |                              |

# **Product Compliance**

Packaging Method

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) |

Box & Tray



| Doos | not contair | DEACH  | SVIAC |
|------|-------------|--------|-------|
| DOES | not contair | IKEAUH | SVHU  |

| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per<br>homogenous material. Also BFR/CFR/PVC<br>Free |
|-----------------|---|
|                 | 1166  |

### 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 # 2274684-1 MINISAS HD, 1X2 REC ASSY W/ L-PIPES; AU

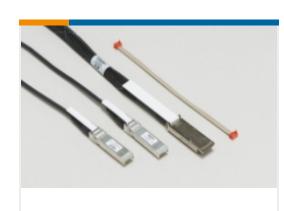


TE Part # 2274523-1 MINISAS HD 1X2 REC ASSY



TE Part # 2274682-1 AMINISAS HD, 1X2 REC ASSY

# 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 #14ZZSLF002 Madison Spec 104-2873 Rev. 1

### **Documents**

### **Product Drawings**

1X2 R/A ASSY, MINI SAS HD INTERNAL

English

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2227581-1\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2227581-1\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2227581-1\_A.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

### **Agency Approvals**

**UL Report** 

English