

2227582-1 ✓ ACTIVE



## Mini-SAS HD

TE Internal #: 2227582-1

Internal Mini-SAS HD, Receptacle, Cable-to-Board, 144 Position, 4 Row, 4 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: **144**

Number of Rows: **4**

[All Internal Mini-SAS HD Receptacles \(6\)](#)

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Shell                             | Without               |
| Connector & Contact Terminates To | Printed Circuit Board |
| SAS Connector Type                | Internal 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 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 PCB | 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

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



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-MHD6907-C117  
Mini-SAS HD Cages



TE Part # 2274680-1  
MINISAS HD 1X4 REC ASSY W/ WELD; AU ONLY

### 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 #1-1609112-3  
15CBS1=F8273



TE Part #1-2176230-9  
3522 27R 5% 3W



TE Part #5788336-1  
STD USB TYPE B, VERTICAL, T/H



TE Part #2201778-1  
MICRO SD PUSH PUSH LOW PROFILE TYPE



TE Part #1857724-4  
Shield Finger, Loose Piece



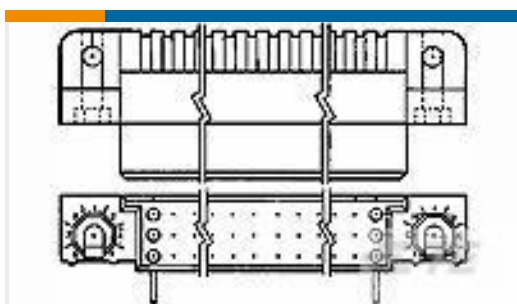
TE Part #2305018-2  
USB TYPE C, REC IPX8 ON BOARD DUAL SMT



TE Part #1-5164713-3  
13P.MINI-MATCH ASSY



TE Part #34158  
TERMINAL,PG R 16-14 6



TE Part #1-532431-1  
HDI RECP ASSY 3 ROW 210 POS



TE Part #2-828221-5  
2X25P MOD2 STIFTLI

## Documents

### Product Drawings

[1X4 R/A ASSY, MINI SAS HD INTERNAL](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2227582-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2227582-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2227582-1\\_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

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### Agency Approvals

#### UL Report

English