

2227581-1 ✓ ACTIVE



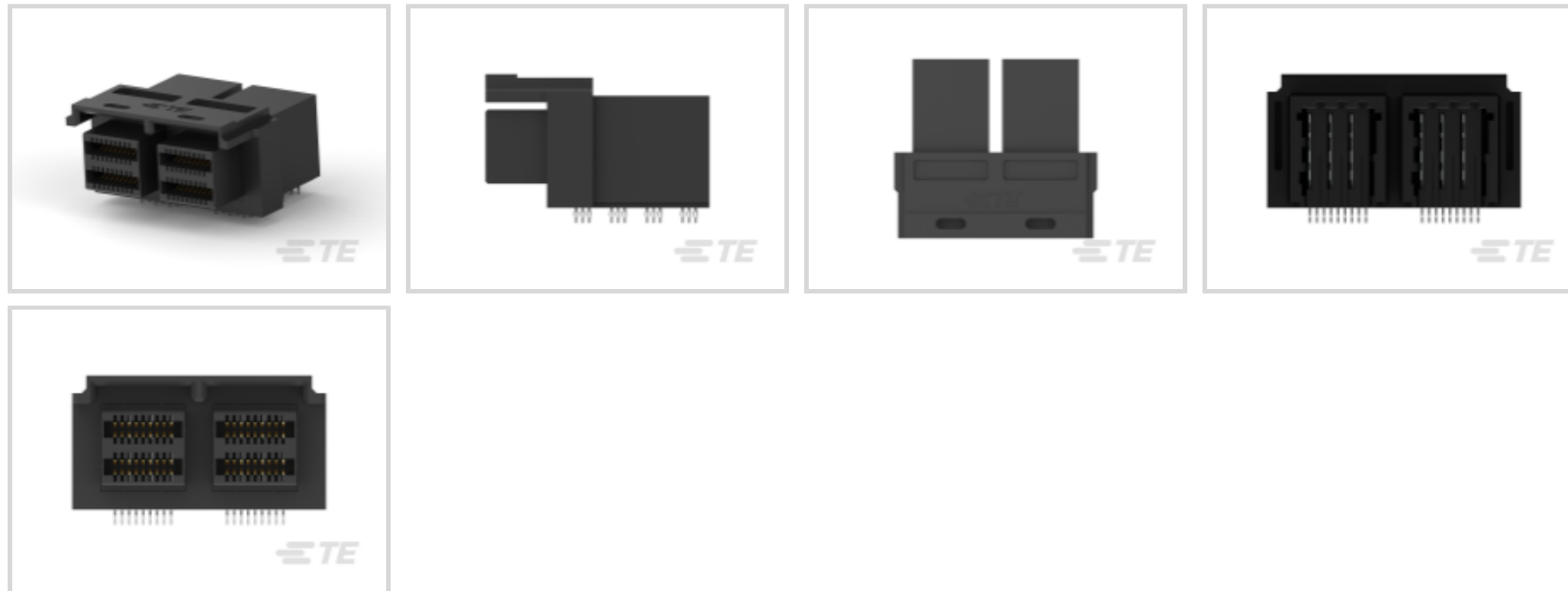
## Mini-SAS HD

TE Internal #: 2227581-1

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

[View on TE.com >](#)

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



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 Connectors \(6\)](#)

## 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

Stackable	No
Number of Positions	72
Number of Rows	4
Number of Ports	2
PCB Mount Orientation	Right Angle

### Contact Features

Contact Mating Area Plating Material	Conforms to the requirements of TE
--------------------------------------	------------------------------------



product specification 108-32038 based on  
EIA/ECA-364-1000.0IA.

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)

Housing Color

Black

Centerline (Pitch)

.75 mm[.029 in]

### Dimensions

Height Above PC Board

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: JUN 2020  
(209)



Candidate List Declared Against: JAN 2020 (205)

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 Model / Part # CAT-MHD6907-C117  
Mini-SAS HD Cages




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



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

### Also in the Series | Mini-SAS HD



Mini-SAS Cages(11)



Pluggable I/O Cable Assemblies(18)



SAS & MiniSAS(10)

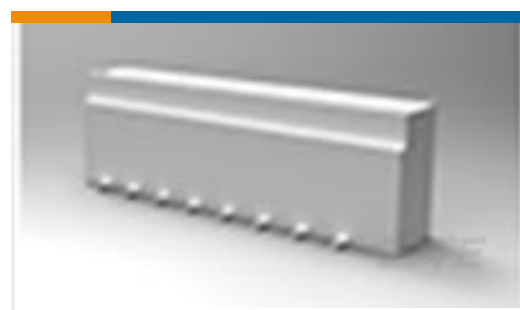


SATA & Micro SATA(1)

### Customers Also Bought



TE Model / Part #1565357-9  
ON TAPING(EMBOSS) 0.5MM PITCH  
B-TO-B CON



TE Model / Part #84982-5  
1MM FFC SMT V ASSY 5P EMBOSS



TE Model / Part #2170193-1  
SFP+ 1x1 Cage Assembly,w/ Light Pipe



TE Model / Part #1-1744418-2  
12 POS EP 2.5 HDR, GLOW WIRE



TE Model / Part #2041376-1  
RJ45 w LED, 2x2, 6u", DIP, H=25.4mm



TE Model / Part #2198373-3  
zQSFP+ STACKED RECEPTACLE  
ASSEMBLY 2X1



TE Model / Part #2820350-2  
C/A, INTERNAL HD MINI SAS, 100  
OHM, STR



TE Model / Part #1-6450121-5  
MBXL R/A HDR 16S+4P

## 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

### Product Environmental Compliance

[MD\\_2227581-1\\_03202017229\\_dmtec](#)

English

[MD\\_2227581-1\\_03202017229\\_dmtec](#)

English



[Agency Approvals](#)

[UL Report](#)

English