



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
Number of Rows	4
Number of Ports	2
PCB Mount Orientation	Right Angle

Body Features

Primary Product Color	Black
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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
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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]
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Usage Conditions

High Temperature Housing	Yes
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Tray
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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 2023 (235) Candidate List Declared Against: JUNE 2023 (235)



Halogen Content	Does not contain REACH SVHC
Solder Process Capability	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
	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 #6-1879021-5
SMW3 47R 5%

TE Part #2227595-1
1X1 VERT ASSY, MINI SAS HD
INTERNAL

TE Part #1623788-5
Wirewound Resistor: Vertical Mount

TE Part #1676247-2
RN 0805 200R 0.1% 10PPM 1KRL

TE Part #826468-6
6P MOD II SHROUDED HEADER, RT
ANG.

TE Part #9-1462038-9
IM03DGR=IM RELAY 140mW 5V

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

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English