



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
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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: 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 # 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 # 5-1462037-8
IM43TS=IM RELAY 100mW 5V BIS

TE Part # 2309410-2
DDR4 SODIMM 260P 5.2H RVS

TE Part # 1061015-1
5863 0000 10,OSX PCB PLUG

TE Part # 103908-1
02 MTE HDR SRST LATCH W/HLDWN

TE Part # 2301838-1
AMPL REC HD20, VERT, 9P, B/L,4-40 INS

TE Part # 2301840-1
AMPL REC HD20, VERT, 15P, B/L,4-40 S/LOC

TE Part # 3-2176305-0
RP 1E 0.1W 215R 0.1% 25PPM 5K RL

TE Part # CONMCX002
MCX Jack 50 Ohm PCB Through Hole

TE Part # 2081679-1
SMA JACK RECEPTACLE,PCB,RIGHT ANGLE,6GHZ

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

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Product Specifications



Application Specification

English

Agency Approvals

UL Report

English