



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

Connector & Contact Terminates To	Printed Circuit Board
Shell	Without
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 Underplating Material	Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Mechanical Attachment

PCB Mount Retention Type	M2 Screw
PCB Mount Retention	With

Housing Features

Housing Material	LCP
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 2025 (247) Candidate List Declared Against: JAN 2025 (247)



	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

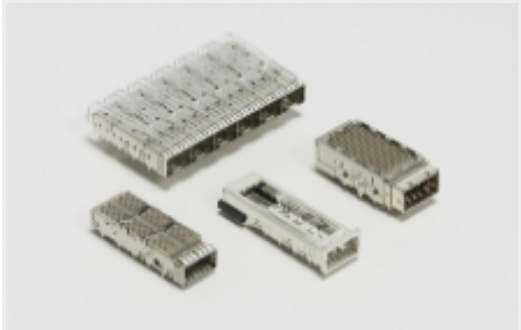


TE Part # 2274680-1
MINISAS HD 1X4 REC ASSY W/
WELD; AU ONLY

Also in the Series | Mini-SAS HD



Mini-SAS Cages(10)



Pluggable IO Connectors & Cages(10)



SAS & MiniSAS(10)



SATA & Micro SATA(1)

Customers Also Bought



TE Part #2214869-1
MiniSAS HD, 1x2 Rec Assy w/ weld



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



TE Part #6-1879022-1
SMF3 100K 5%



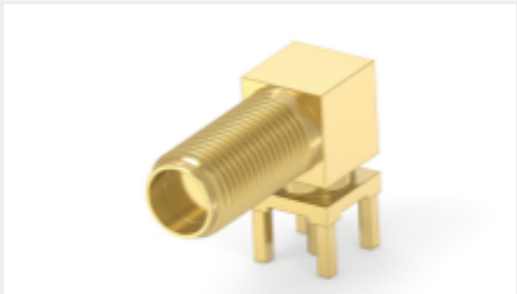
TE Part #4-641126-0
10P MTA100 HDR ASY FL/STR LF



TE Part #1-1825955-4
FSM7JH=6MM TACT SWITCH, HT W /ESD



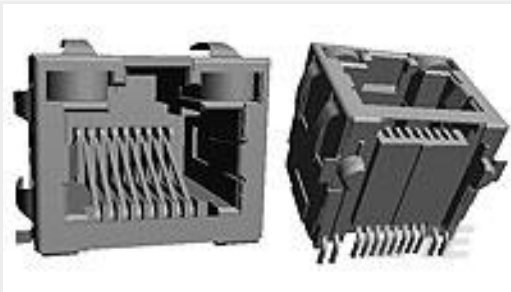
TE Part #8-1676481-9
CPF 0603 39K 0.1% 25PPM 1K RL



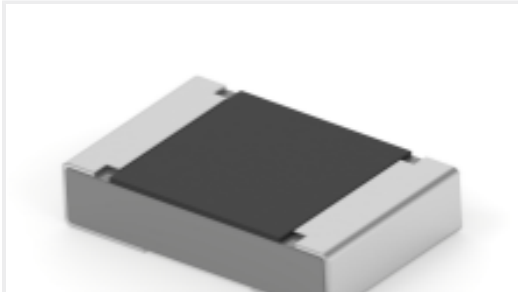
TE Part #2081679-1
SMA JACK RECEPTACLE,PCB,RIGHT ANGLE,6GHZ



TE Part #2-2337815-3
MINISAS HD TO MINISAS HD,30AWG, 2M



TE Part #6339191-1
MJ,RJ45,SMT,SHLD,LED (Y/G)



TE Part #2-2176482-9
RA73F 2A 100R 0.1% 5K RL

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

Agency Approvals

UL Report

English