

2227642-1 ✓ ACTIVE



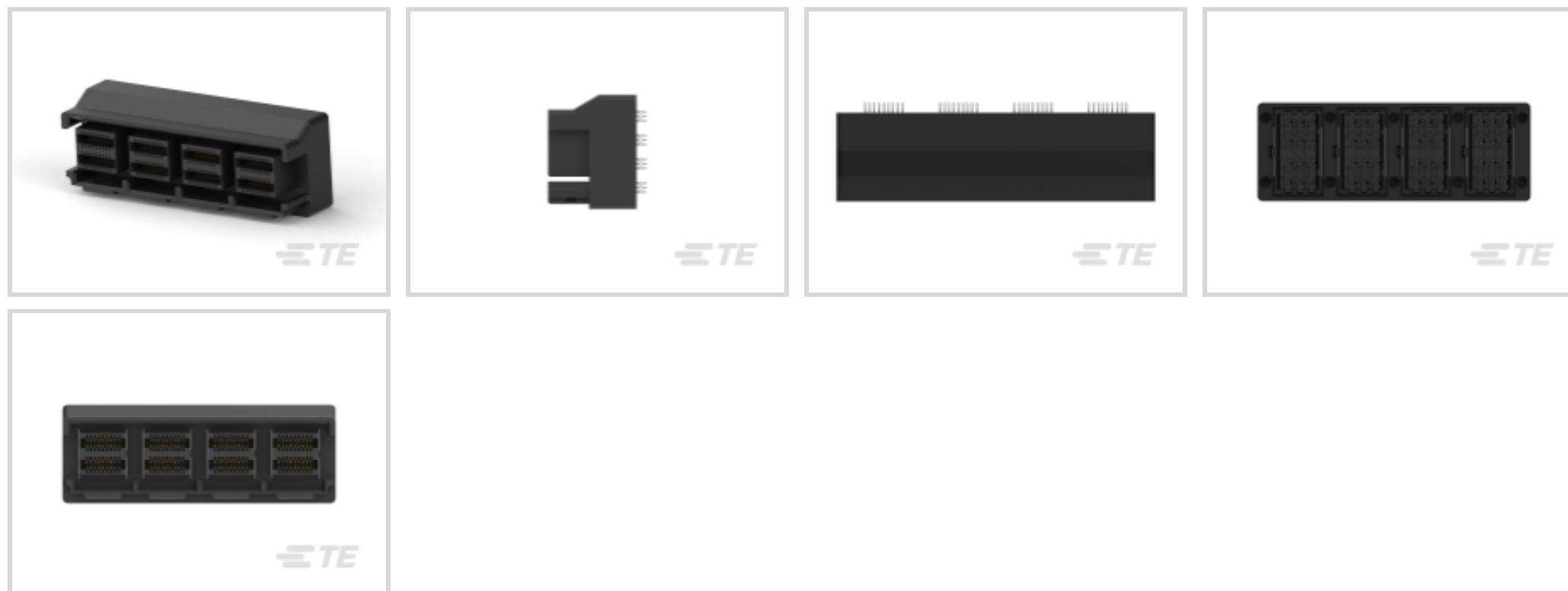
Mini-SAS HD

TE Internal #: 2227642-1

Internal Mini-SAS HD, Receptacle, Cable-to-Board, 144 Position, 4 Row, 4 Port, Vertical, 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	Vertical

Contact Features

Contact Base Material	Copper Alloy
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Termination Features



Termination Method to PCB	Through Hole - Press-Fit
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Housing Features

Centerline (Pitch)	.75 mm[.029 in]
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Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
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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 # 2185275-3
ASY, RMLV TL, SHROUD, MINI-SAS



TE Part # 2149027-1
MiniSAS HD 1x1 Rec Assy



TE Part # 2215044-2
ASSY, REMOVAL TOOL



TE Part # 2227640-1
1X2 VERT ASSY, MINI SAS HD INTERNAL

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 #1-2176090-5
RP 1J 0.166W 182K 0.1% 25PPM 1K RL



TE Part #2-2176263-2
RN 0402 40K2 0.1% 10PPM 5K RL



TE Part #2-2176389-7
RQ 1206 200R 0.1% 10PPM 5K RL



TE Part #CAT-IN819-C76264
Internal Mini-SAS HD Receptacles



TE Part #4-2176455-0
CPF 0402 280K 0.1% 25ppm 1K RL



TE Part #2176308-7
RP 1E 0.1W 154K 0.1% 25PPM 5K RL



TE Part #8-1879130-0
RN 0402 4K99 0.1% 10PPM 1K RL



TE Part #1878643-3
M5031



TE Part #1-1977223-6
FSM6JSMLSTR=6MM TACT SWITCH, SMT 100gf



Documents

Product Drawings

[1X4 VERT ASSY, MINI SAS HD INTERNAL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2227642-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2227642-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2227642-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English