2227640-1 ✔ ACTIVE

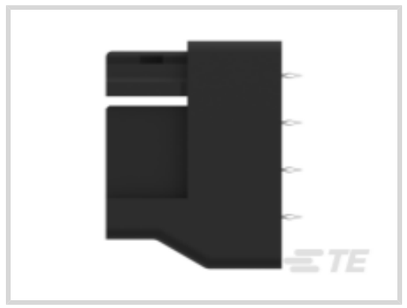
Mini-SAS HD

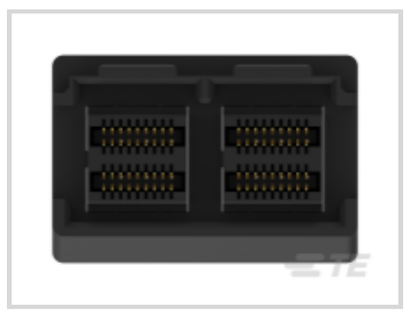
TE Internal #: 2227640-1

Internal Mini-SAS HD, Receptacle, Cable-to-Board, 72 Position, 4 Row, 2 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: **72**

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	72
Number of Rows	4
Number of Ports	2
PCB Mount Orientation	Vertical

Body Features

Primary Product Color	Black

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

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	14.2 mm[.559 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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250)

	Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 2820333-4
C/A, INTERNAL HD MSAS, 100 OHM, STR-R/A



TE Part # 2820332-4
C/A, INTERNAL HD MSAS, 100 OHM, STR-R/A

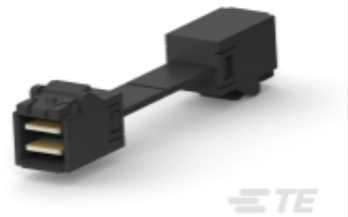
TE Part # 2820333-1
C/A, INTERNAL HD MSAS, 100 OHM, STR-R/A



TE Part # 2820328-3
C/A, INTERNAL HD MINI SAS, 100 OHM, R/A

TE Part # 2820338-1
C/A, INTERNAL HD MSAS, 100 OHM, STR, 8X

TE Part # 2820338-2
C/A, INTERNAL HD MSAS, 100 OHM, STR, 8X

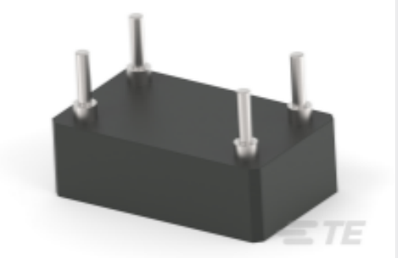


TE Part # 2820350-3
C/A, INTERNAL HD MINI SAS, 100 OHM, STR

TE Part # 2820333-2
C/A, INTERNAL HD MSAS, 100 OHM, STR-R/A



TE Part # 2215044-2
ASSY, REMOVAL TOOL



TE Part # 2185275-2
ASY, RMVL TL, SHROUD, MINI-SAS



TE Part # 2820350-1
C/A, INTERNAL HD MINI SAS, 100 OHM, STR



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

TE Part # 2820329-3
C/A, INTERNAL HD MINI SAS, 100 OHM, R/A

TE Part # 2820329-4
C/A, INTERNAL HD MINI SAS, 100 OHM, R/A

TE Part # 2820329-2
C/A, INTERNAL HD MINI SAS, 100 OHM, R/A



TE Part # 2820332-3
C/A, INTERNAL HD MSAS, 100 OHM, STR-R/A



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



TE Part # 2820328-1
C/A, INTERNAL HD MINI SAS, 100 OHM, R/A

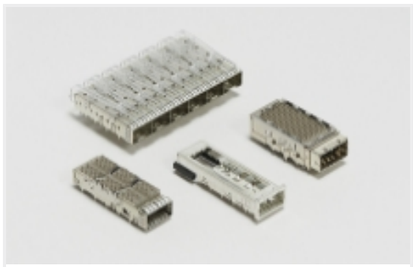
TE Part # 2820333-3
C/A, INTERNAL HD MSAS, 100 OHM, STR-R/A

TE Part # 2820329-1
C/A, INTERNAL HD MINI SAS, 100 OHM, R/A

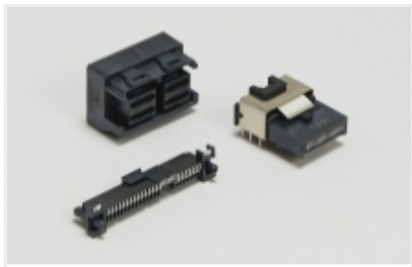
Also in the Series | Mini-SAS HD



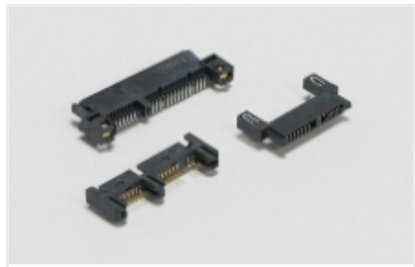
Mini-SAS Cages(10)



Pluggable IO Connectors & Cages(10)



SAS & MiniSAS(10)



SATA & Micro SATA(1)

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



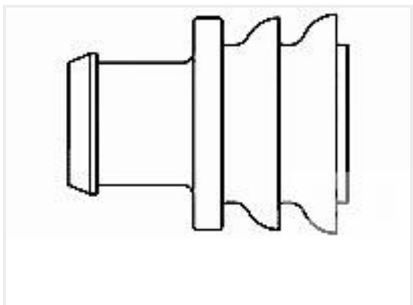
TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

1X2 VERT ASSY, MINI SAS HD INTERNAL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2227640-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2227640-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2227640-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English