2354166-2 ✔ ACTIVE

TE Internal #: 2354166-2

SAS, Receptacle, Board-to-Board, 68 Position, 2 Row, 1 Port, Vertical, Surface Mount, 1.27 mm [.05 in] Centerline, Signal, Board Mount

View on TE.com >

Connectors > PCB Connectors > SAS & MiniSAS







SAS Connector Type: **SAS**

Connector & Housing Type: **Receptacle**

Connector System: **Board-to-Board**

Number of Positions: **68**

Number of Rows: **2**

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Shell	Without
SAS Connector Type	SAS
Connector & Housing Type	Receptacle
Connector System	Board-to-Board

Configuration Features

Keying Type	SAS
Number of Positions	68
Number of Rows	2
Number of Ports	1
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
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

PCB Mount Retention Type	Solder Peg
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

Housing Material	LCP
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Profile Height from PCB	8.15 mm[.32 in]

Usage Conditions

High Temperature Housing	Yes
Operating Temperature Range	0 – 55 °C[32 – 131 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
PCIe/SAS Generation	Gen4

Packaging Features

Packaging Method	Tape & Reel
Packaging Quantity	680

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 2022 (224) 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	Reflow solder capable to 260°C

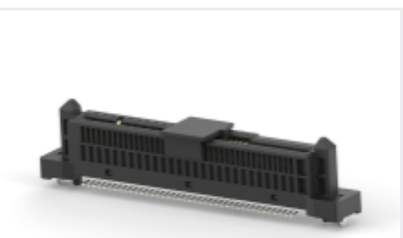
Product Compliance Disclaimer

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

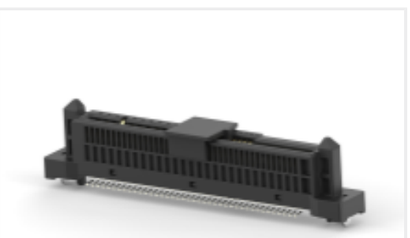
Compatible Parts



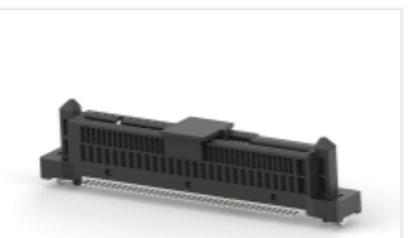
TE Part # 2362786-2
SAS/PCIE 4.0 (U.2/U.3) RECEPTACLE, 68POS



TE Part # 2357099-2
SAS/PCIE 4.0 (U.2/U.3) RECEPTACLE, 68POS



TE Part # 2359516-2
SAS/PCIE 4.0 (U.2/U.3) RECEPTACLE, 68POS



TE Part # 2358336-2
SAS/PCIE 4.0 (U.2/U.3) RECEPTACLE, 68POS

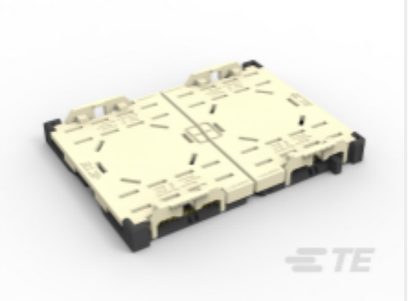
Customers Also Bought



TE Part #171825-8
POST HDR ASSY VERT AMP EI CONN



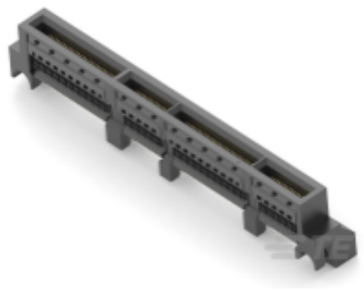
TE Part #2042274-4
ELCON MINI 2P VERT HEADER,GOLD, W/ CODING



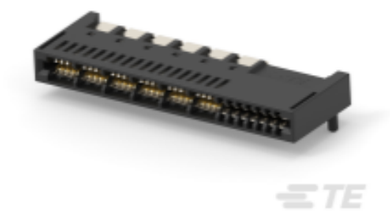
TE Part #1-2324271-4
LEFT SEGMENT LGA4189-4 SOCKET-P4 FOR ODM



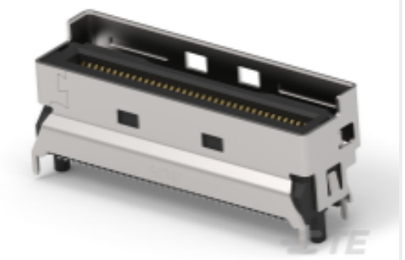
TE Part #2332139-2
RECEPT ASSY, 140 POS, VERT, SLIVER 2.0



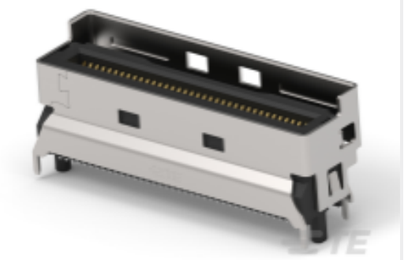
TE Part #2-2340321-1
ASSY STRADDLE MOUNT 168P 093 SLIVER 2.0



TE Part #2343428-1
HD+ CE, RA, CRPS

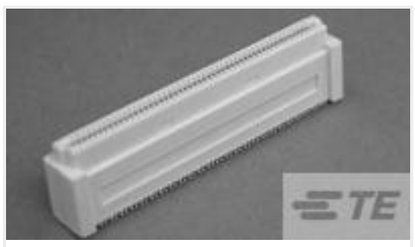


TE Part #1-2379397-6
MCIO INTERGRATED CONN, V/T,8X, SMT TYPE



TE Part #1-2379397-7
MCIO INTERGRATED CONN, V/T,8X, SMT TYPE

TE Part #2395119-1
LPCE, 2X3P-2X7S, STR.



TE Part #5084616-4
0.8FH,R13H.5,100,08/Sn,TR,SC

Documents

Product Drawings

SAS/PCIE 4.0 (U.2/U.3) RECEPTACLE,68POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2354166-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2354166-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2354166-2_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