



TE Internal #: 1735078-1
 SAS, Plug, Wire-to-Board, 29 Position, 1 Row, 1 Port, Right Angle,
 Surface Mount, Power & Signal, Board Mount, -40 – 185 °F [-40 – 85 °C]

[View on TE.com >](#)

Connectors > PCB Connectors > SAS & MiniSAS > Serial Attached SCSI (SAS) Connector Plugs



SAS Connector Type: **SAS**
 Connector & Housing Type: **Plug**
 Connector System: **Wire-to-Board**
 Number of Positions: **29**
 Number of Rows: **1**

[All Serial Attached SCSI \(SAS\) Connector Plugs \(3\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	29
Number of Rows	1
Number of Ports	1
PCB Mount Orientation	Right Angle

Body Features

Primary Product Color	Black
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Contact Features



	30 µin
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Thermoplastic
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Usage Conditions

High Temperature Housing	Yes
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

PCIe/SAS Generation	Gen2
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	30
Packaging Method	Loose Piece

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 2023 (235)



Candidate List Declared Against: JUNE 2023 (235)

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	Pin-in-Paste 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 # CAT-SA78-R2435
PT30 XFP Connectors

Customers Also Bought



TE Part #5787745-2
USB A R/A STAK ASSY THRU HOLE



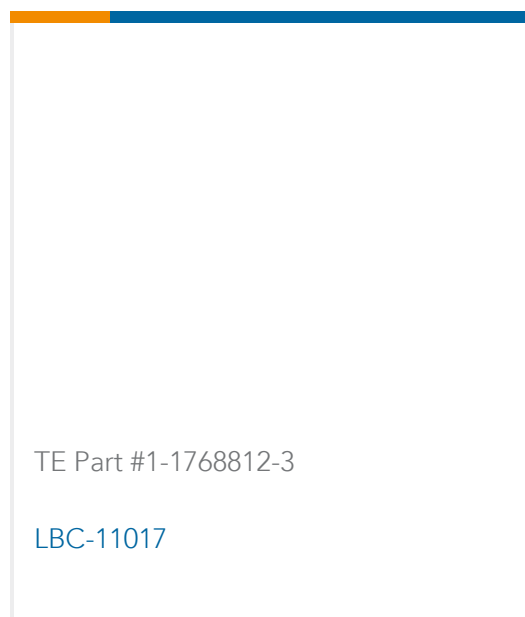
TE Part #1676364-3
RN 0805 511R 0.1% 10PPM 5KRL



TE Part #3-2176372-6
RQ 0603 115K 0.1% 10PPM 5K RL



TE Part #4-2176365-8
RQ 0603 124R 0.1% 10PPM 1K RL



Documents

Product Drawings

[SAS PLUG 15+7+7P ASSEMBLY](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1735078-1_C2.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1735078-1_C2.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1735078-1_C2.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[MD_1735078-1_110420141056_dmtec](#)

English

[MD_1735078-1_110420141056_dmtec](#)

English