



Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 5, 2.77mm



Number of Positions: 50
Connector & Housing Type: Receptacle
Connector System: Board-to-Board
Connector Mounting Type: Board Mount
Connector Shell Size: 5

[All D-Sub Receptacle Assembly: Vertical, Shell Size 5, 2.77mm \(7\)](#)

Features

Product Type Features

Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector Shell Size	5
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Rows	3
Number of Positions	50

Body Features

Insert Material	Thermoplastic
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	High

Contact Features

Contact Underplating Material	Nickel
	30 µin



Contact Shape & Form	Square
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	6 A
Contact Options	Installed

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.18 mm[.125 in]
Square Termination Post & Tail Dimension	.63 mm[.025 in]

Mechanical Attachment

Mating Retention Type	Clinch Nut, 4-40 UNC
PCB Mount Retention	With
Mounting Hole Diameter	3.05 mm[.12 in]
Mating Retention	With
PCB Mount Retention Type	Mounting Hole
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Nylon GF
Shell Material	Carbon Steel
Centerline (Pitch)	2.77 mm[.109 in]

Dimensions

Row-to-Row Spacing	2.84 mm[.112 in]
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

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Packaging Quantity	7
Packaging Method	Tube

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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

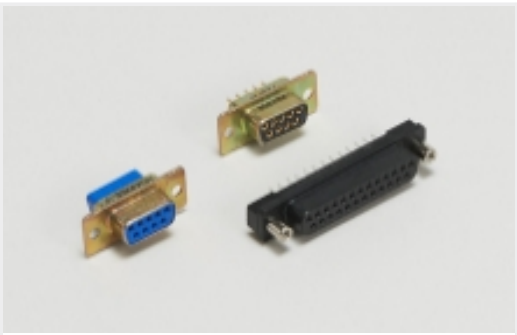
Product Compliance Disclaimer

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



Also in the Series | [AMPLIMITE HD-20](#)



[D-Shaped Connectors\(285\)](#)



[PCB D-Sub Connectors\(285\)](#)

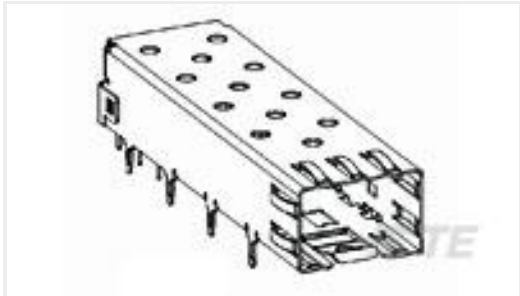
Customers Also Bought



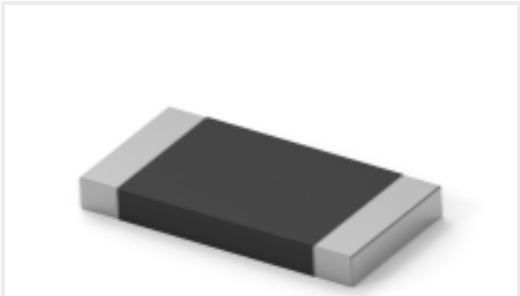
TE Part #1-5747150-6
[09 RCPT SP/FMS SCRLK](#)



TE Part #2-644486-4
[04P MTA100 SHRDED HDR ASSY SN](#)



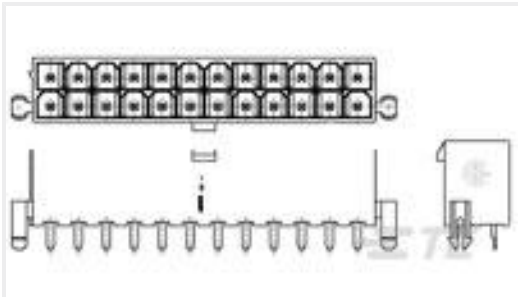
TE Part #2227303-3
[CAGE ASSEMBLY, SFP, .071 TAIL](#)



TE Part #4-2176422-3
[TLRP 2512 3.0W R120 1% 25PPM 4K RL](#)



TE Part #1-1825010-8
[ASE42L04=4PDT AUTOSLIDE](#)



TE Part #1586039-6
[6P VAL-U-LOK VRT HDR W/P V2](#)



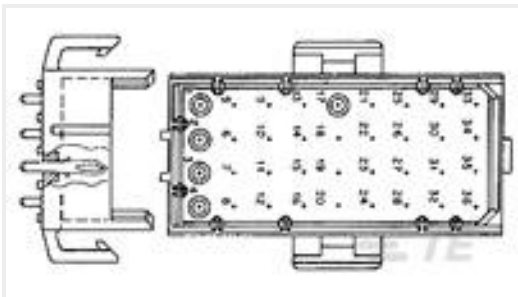
TE Part #2319747-1
[TRI-STATE DIP 4P G RAISED TUBE](#)



TE Part #5745886-1
[25 RCPT SP/MS CNUT](#)



TE Part #6-2176366-5
[RQ 0603 2K0 0.1% 10PPM 1K RL](#)



TE Part #640497-2
[02P MR HDR ASSY](#)

Documents

[Product Drawings](#)
[50 RCPT SP/MS CNUT](#)
English

[CAD Files](#)
[3D PDF](#)
English
[Customer View Model](#)
[ENG_CVM_5747302-1_B.2d_dxf.zip](#)



English

Customer View Model
[ENG_CVM_5747302-1_B.3d_igs.zip](#)

English

Customer View Model
[ENG_CVM_5747302-1_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages
[AMPLIMITE Subminiature D Connectors - Straight Posted Connectors](#)

English

Product Specifications
[Application Specification](#)

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Agency Approvals
[UL Report](#)

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