

5749085-9 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

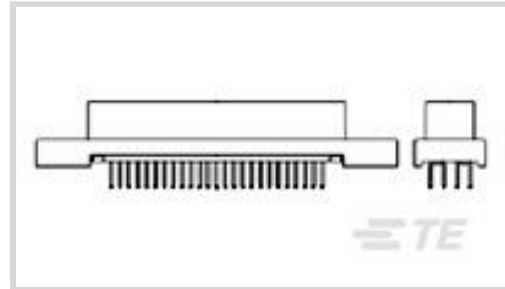
TE Internal #: 5749085-9

PCB D-Sub Connectors, Plug, Cable-to-Board, 100 Position, 1.27 mm [.05 in] Centerline, 4 Row, Round, Standard Profile, Vertical, AMPLIMITE 0.50 Series

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Plug Assembly: Standard, Vertical, 1.27mm



Connector & Housing Type: **Plug**

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

Number of Positions: **100**

Centerline (Pitch): **1.27 mm [.05 in]**

Number of Rows: **4**

[All D-Sub Plug Assembly: Standard, Vertical, 1.27mm \(28\)](#)

Features

Product Type Features

Grounding Indents	Without
Grounding Straps	Without
Grounded	No
Shell Type	Full Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Shielded	Yes
Connector Type	Connector Assembly
Product Type	Connector

Configuration Features

Number of Positions	100
Number of Rows	4
PCB Mount Orientation	Vertical

Body Features

Bracket Material	Zinc
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Bracket Plating Material	Nickel over Copper
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Post Plating Material	Tin
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Connector Profile	Standard
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Shell Material	Steel
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Shell Plating Material	Tin over Copper
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Contact Features

Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
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Contact Underplating Material	Nickel, Palladium Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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Contact Shape & Form	Round
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Contact Current Rating (Max)	.4 A, .5 A
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	30 μ m
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Termination Features

Grounding Clips	Without
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Termination Method to Printed Circuit Board	Through Hole - Solder
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Termination Post Length	3.18 mm [.125 in]
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Mechanical Attachment

PCB Mount Alignment	Without
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Panel Mount Feature	Without
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PCB Mount Retention	With
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PCB Mount Retention Type	Mounting Hole
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Mating Retention	With
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Mating Retention Type	Screwlocks
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Connector Mounting Type	Board Mount
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Mating Alignment	Without
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Mounting Hole Diameter	3.18 mm [.125 in]
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Housing Features

Centerline (Pitch)	1.27 mm [.05 in]
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Housing Material	Polyester
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Housing Color	Black
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Dimensions



Row-to-Row Spacing	2.54 mm[.1 in]
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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

Packaging Method	Tube
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Packaging Quantity	6
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Reflow solder capable to 260°C
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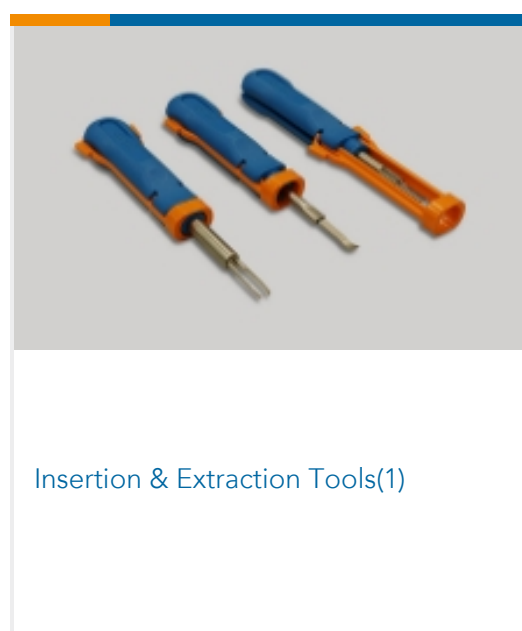
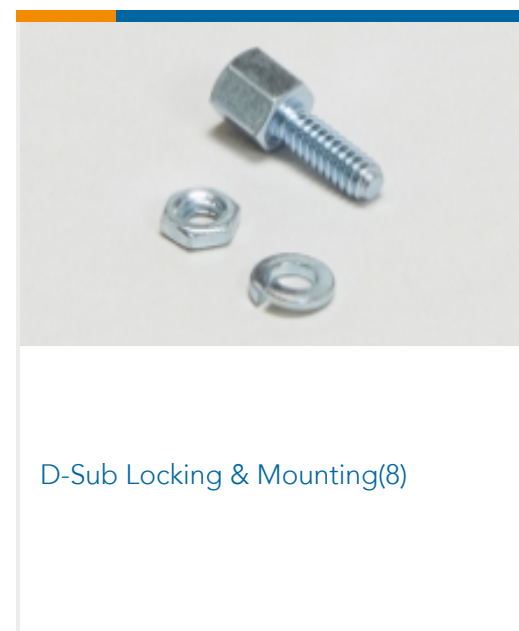
Product Compliance Disclaimer

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 0.50 Series



Documents

Product Drawings

100 50SR VRT PLUG ASSY

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5749085-9_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5749085-9_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5749085-9_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

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL

English