

2-5174225-5 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

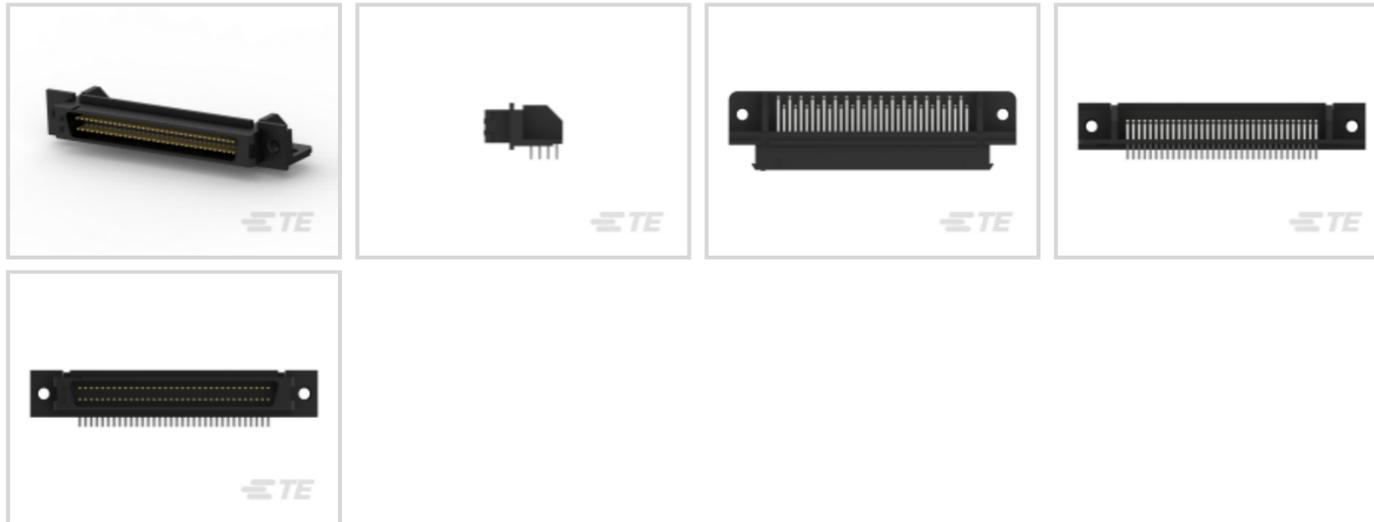
TE Internal #: 2-5174225-5

PCB D-Sub Connectors, Plug, Cable-to-Board, 68 Position, 1.27 mm
[.05 in] Centerline, 2 Row, Square, Standard Profile, AMPLIMITE
0.50 Series

[View on TE.com >](#)



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



Connector & Housing Type: **Plug**

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

Number of Positions: **68**

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

Number of Rows: **2**

[All D-Sub Plug Assembly: Standard, Right Angle, 1.27mm \(13\)](#)

Features

Product Type Features

Post Plate Material	Thermoplastic
Shell Type	Full Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board
Shielded	Yes
Connector Type	Connector Assembly
Product Type	Connector

Configuration Features

Number of Positions	68
Number of Rows	2
PCB Mount Orientation	Right Angle



Body Features

Post Plating Material	Tin over Nickel
Connector Profile	Standard
Shield Material	Zinc
Shell Material	Zinc Die Cast
Shell Plating Material	Nickel over Copper
Shield Plating Material	Nickel over Copper

Contact Features

Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Shape & Form	Square
	30 µin

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	2.9 mm[.114 in]

Mechanical Attachment

PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	Without
Mounting Hole Diameter	2.7 mm

Housing Features

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

Dimensions

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

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

Circuit Application	Signal
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Industry Standards

Post Plate Flammability Rating	UL 94V-0
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tray
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Packaging Quantity	4
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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: JUNE 2022 (224) 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	Wave solder capable to 265°C
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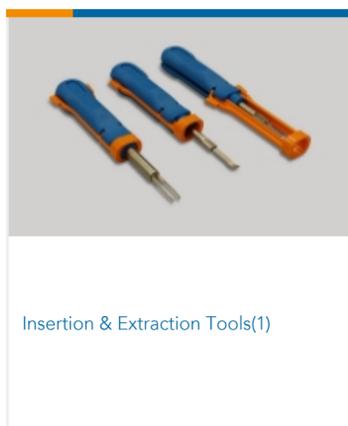
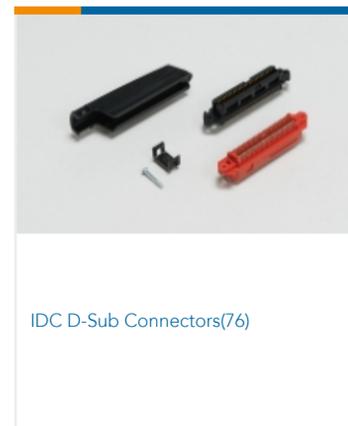
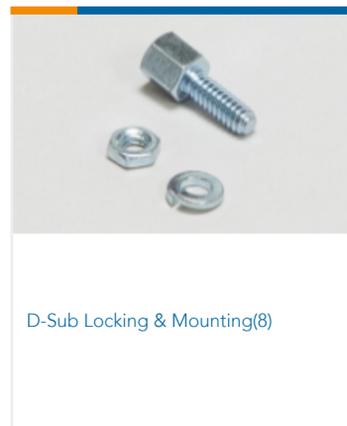
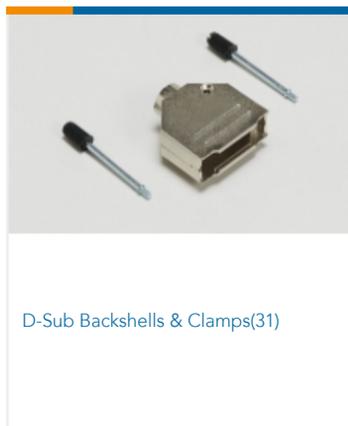
Product Compliance Disclaimer

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

[AMPLIMITE 050-2B HOR 68P M2.5](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-5174225-5_A_c-2-5174225-5-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-5174225-5_A_c-2-5174225-5-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-5174225-5_A_c-2-5174225-5-a.3d_stp.zip](#)

English



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Product Specifications

Application Specification

English

Product Environmental Compliance

MD_2-5174225-5_122020162346_dmtec

English

MD_2-5174225-5_122020162346_dmtec

English

Agency Approvals

UL

English