

5173280-3 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

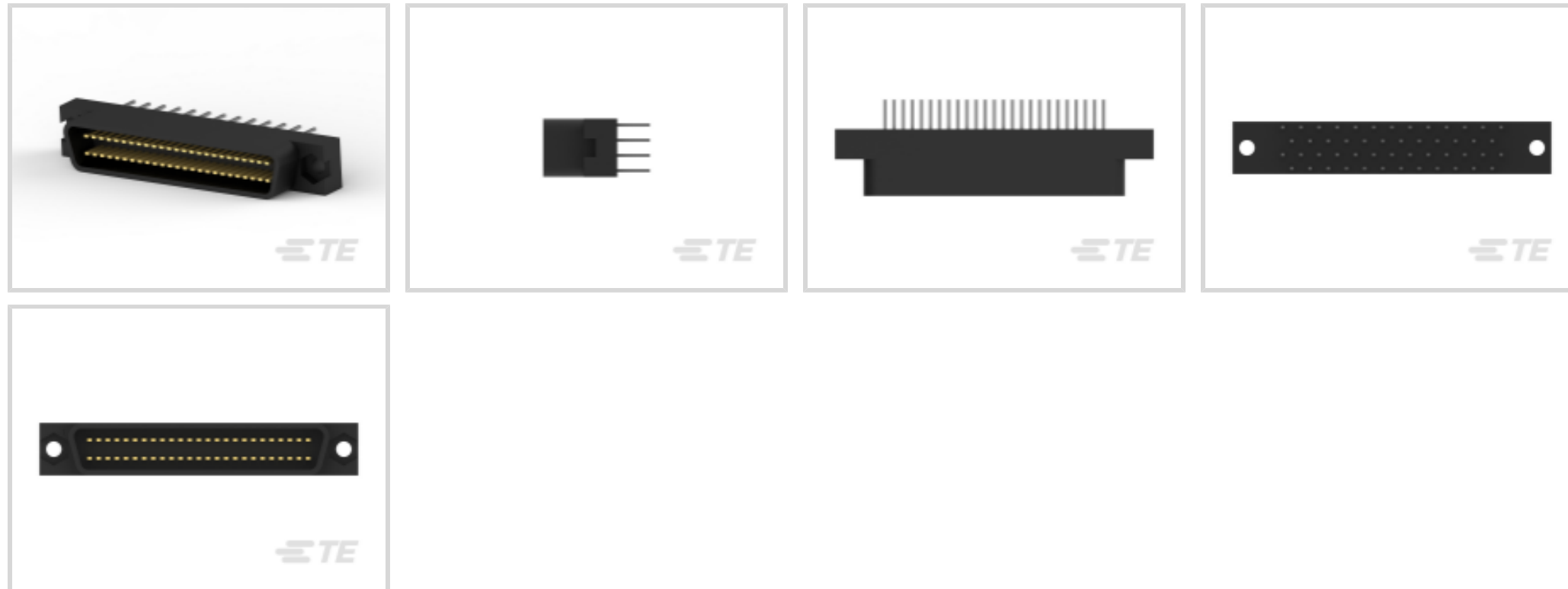
TE Internal #: 5173280-3

PCB D-Sub Connectors, Plug, Cable-to-Board, 50 Position, 1.27 mm  
[.05 in] Centerline, 2 Row, Rectangular, 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, Vertical, 1.27mm



Connector & Housing Type: **Plug**

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

Number of Positions: **50**

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

Number of Rows: **2**

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

## Features

### Product Type Features

Shell Type	All Plastic
Connector & Housing Type	Plug
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board
Shielded	No
Connector Type	Connector Assembly
Product Type	Connector

### Configuration Features

Number of Positions	50
Number of Rows	2
PCB Mount Orientation	Vertical

### Body Features



Post Plating Material	Tin over Nickel
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Connector Profile	Standard
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### Contact Features

Contact Mating Area Plating Material	Gold
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Contact Base Material	Copper Alloy
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Contact Shape & Form	Rectangular
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Contact Current Rating (Max)	1 A
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Contact Mating Area Plating Thickness	.2 $\mu$ m
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### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Termination Post Length	3.1 mm[.122 in]
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### Mechanical Attachment

PCB Mount Alignment	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	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	Without
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Mounting Hole Diameter	2.15 mm
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### Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
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Housing Material	Thermoplastic
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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	Tray
Packaging Quantity	88

### Other

Comment	To mount connector to pc board, use M2 screws and nuts (not supplied).
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## 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 2022 (224) Candidate List Declared Against: JAN 2022 (223) 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	Wave solder capable to 265°C

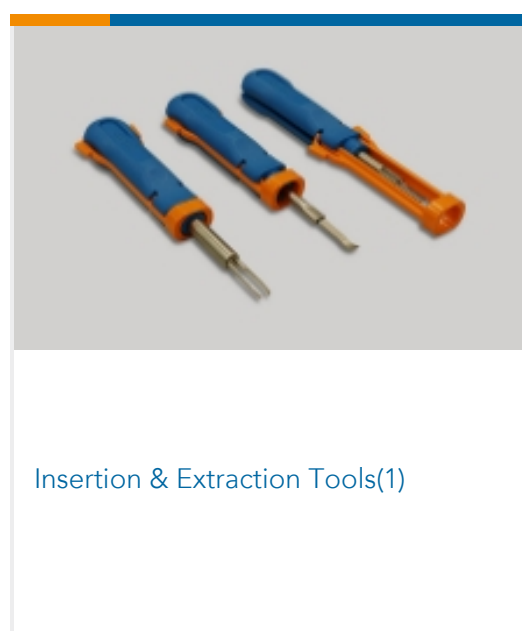
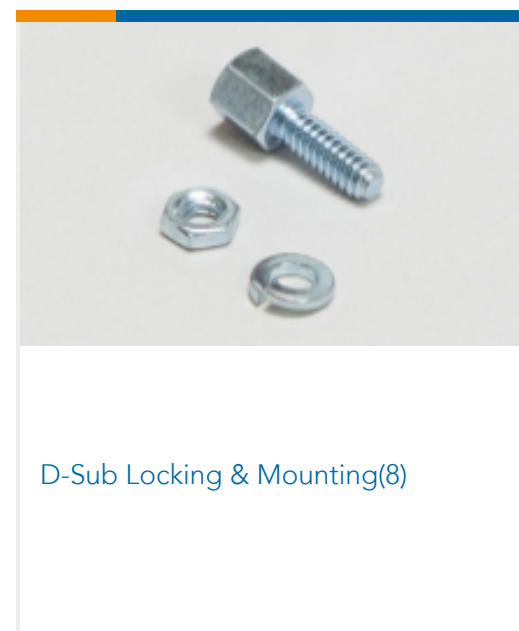
#### Product Compliance Disclaimer

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 0.50 Series



## Documents

### Product Drawings

[AMPLIMITE.050 CAP ASS'Y \(V\) 50](#)

English

### CAD Files

[3D PDF](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_5173280-3\\_A.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_5173280-3\\_A.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_5173280-3\\_A.3d\\_stp.zip](#)

English



By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

## Product Specifications

### Product Specification

English

### Product Specification

English