

3-5174682-7 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

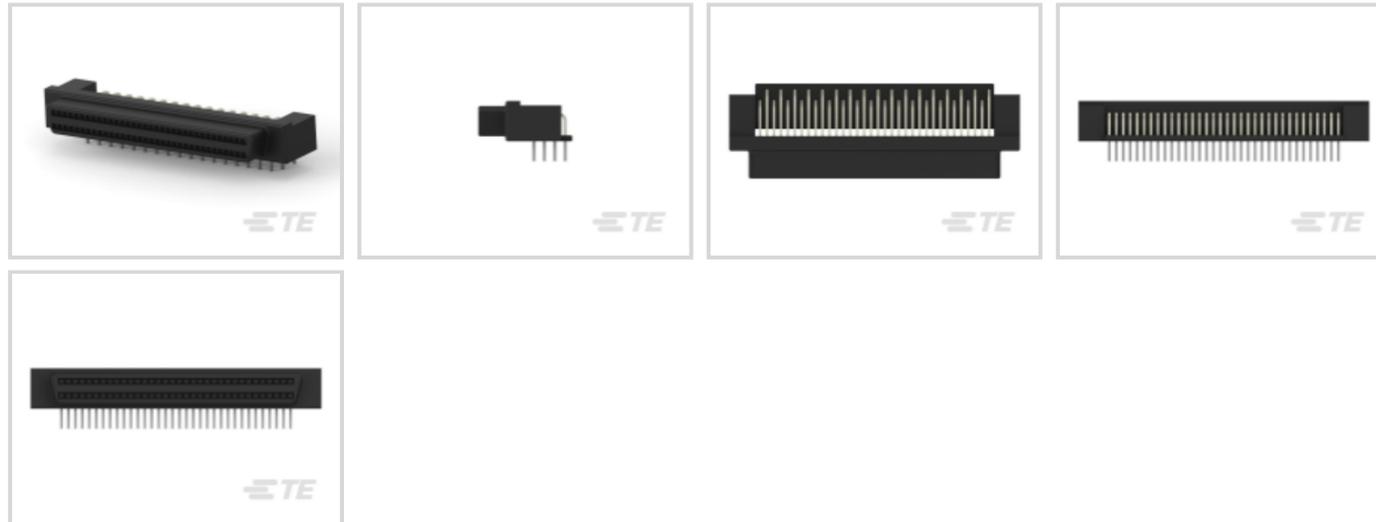
TE Internal #: 3-5174682-7

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 68 Position,  
1.27 mm [.05 in] Centerline, 4 Row, Square, Standard Profile,  
AMPLIMITE 0.50 Series

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



Connector & Housing Type: **Receptacle**

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

Number of Positions: **68**

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

Number of Rows: **4**

[All D-Sub Receptacle Assembly: Right Angle, 1.27mm \(76\)](#)

## Features

### Product Type Features

Grounding Indents	Without
Grounding Straps	Without
Grounded	No
Board Standoff	Without
Shell Type	All Plastic
Connector & Housing Type	Receptacle
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	68
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Number of Rows	4
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PCB Mount Orientation	Right Angle
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### 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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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Copper Alloy
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Contact Shape & Form	Square
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Contact Current Rating (Max)	1 A
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Contact Mating Area Plating Thickness	.76 $\mu$ 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	3.6 mm[.142 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	Retention Solder Tails
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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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### 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	72

### Product Compliance

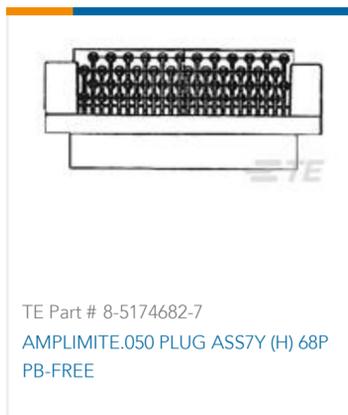
[For compliance documentation, visit the product page on TE.com>](#)

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: JUNE 2022 (224) 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

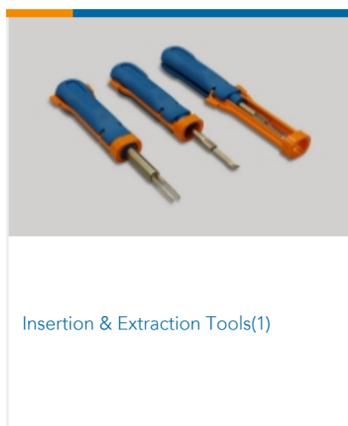
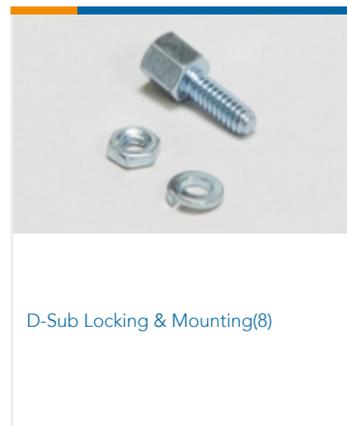
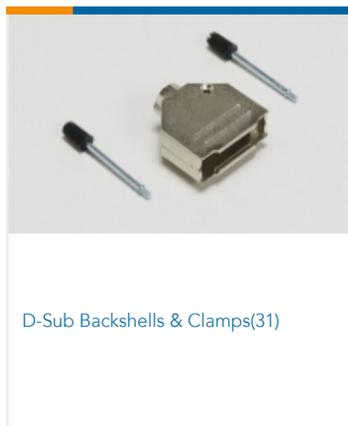
#### Product Compliance Disclaimer

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 0.50 Series



## Documents

### Product Drawings

AMPLIMITE.050 PLUG ASS'Y (H) 68P PB-FREE

Japanese

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-5174682-7\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-5174682-7\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-5174682-7\\_A.3d\\_stp.zip](#)

English



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

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### Product Specifications

#### Application Specification

English

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### Product Environmental Compliance

[MD\\_3-5174682-7\\_070820122244](#)

English

[MD\\_3-5174682-7\\_070820122244](#)

English