

2-5174341-5 ✓ ACTIVE

## AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 2-5174341-5

PCB D-Sub Connectors, Plug, Cable-to-Board, 68 Position, 1.27 mm

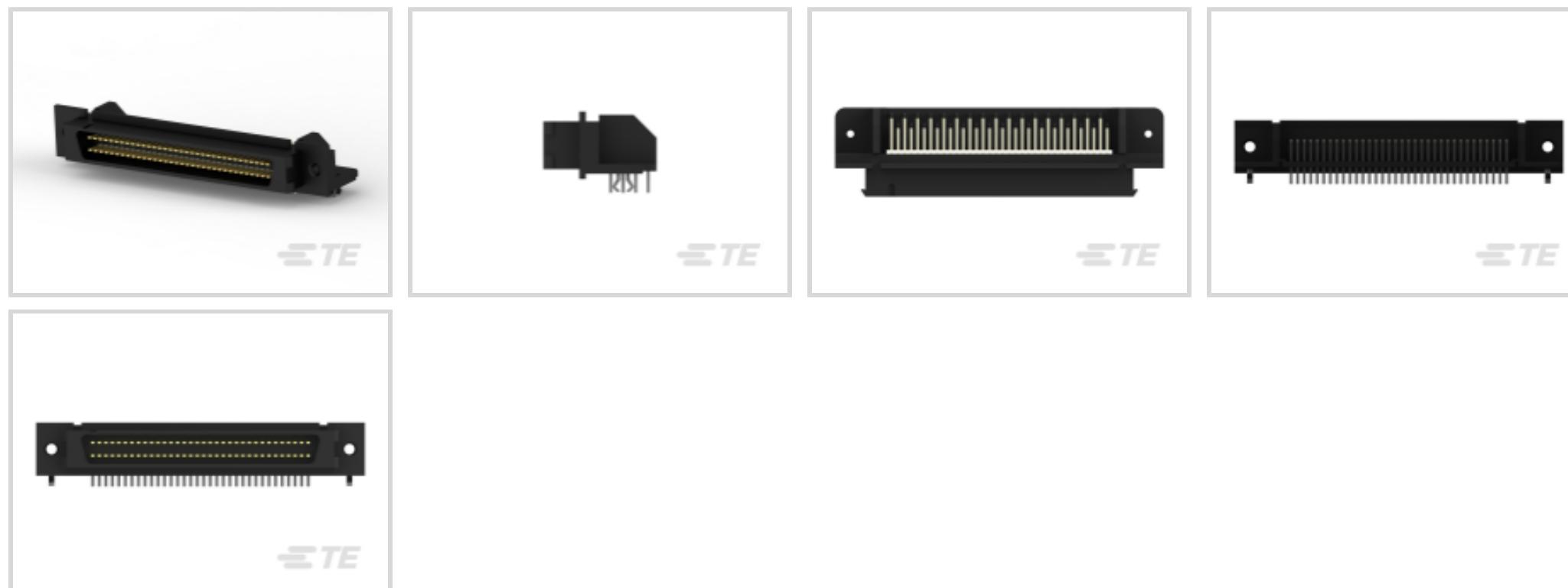
[.05 in] Centerline, 4 Row, Square, Standard Profile, AMPLIMITE

0.50 Series

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub 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: **4**

[All D-Sub Plug Assembly: Standard, Right Angle, 1.27mm \(7\)](#)

## Features

### Product Type Features

Shell Material Configuration	Full Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	68
Number of Rows	4
PCB Mount Orientation	Right Angle

### Body Features

Shield Plating Material	Nickel over Copper
Shield Material	Zinc
Shell Plating Material	Nickel over Copper

Primary Product Color	Black
Connector Profile	Standard

#### Contact Features

	30 $\mu$ in
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin over Nickel
Contact Base Material	Phosphor Bronze
Contact Shape & Form	Square

#### Termination Features

Rectangular Termination Post & Tail Thickness	.4 mm[.015 in]
Rectangular Termination Post & Tail Width	.45 mm[.017 in]
Termination Post & Tail Length	2.9 mm[.114 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

#### Mechanical Attachment

Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	Without
Connector Mounting Type	Board Mount

#### Housing Features

Shell Material	Zinc
Housing Material	PBT
Centerline (Pitch)	1.27 mm[.05 in]

#### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
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#### Operation/Application

Shielded	Yes
Circuit Application	Signal

#### Industry Standards

UL Flammability Rating	UL 94V-0
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#### Packaging Features

Packaging Quantity	4
Packaging Method	Tray

## Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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 2024 (240) 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

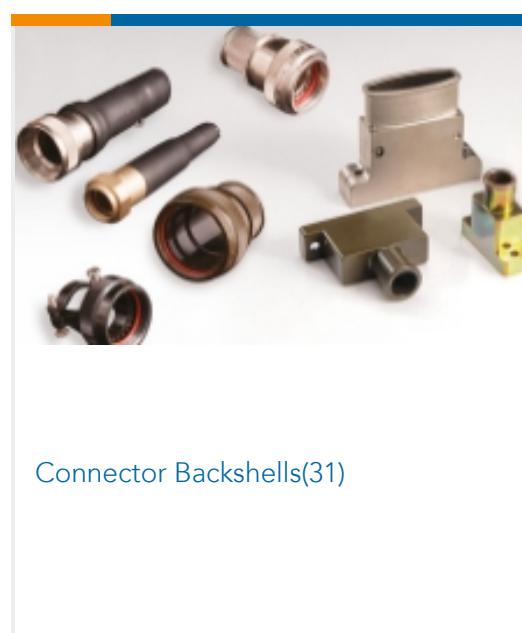
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

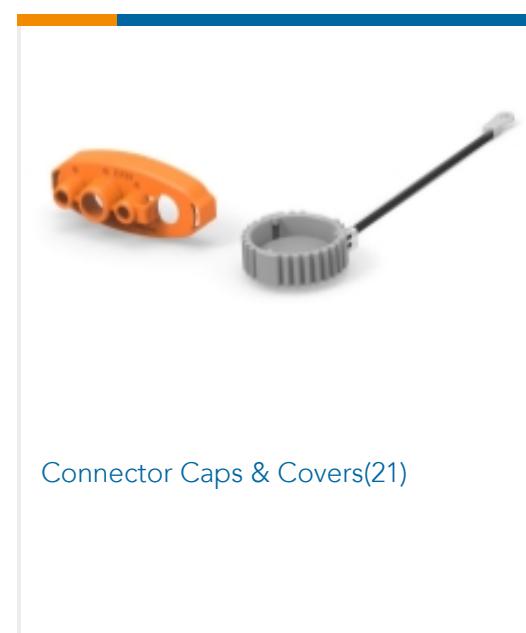


TE Part # 5174339-5  
[AMPLIMITE 050 SRS CONTACT](#)

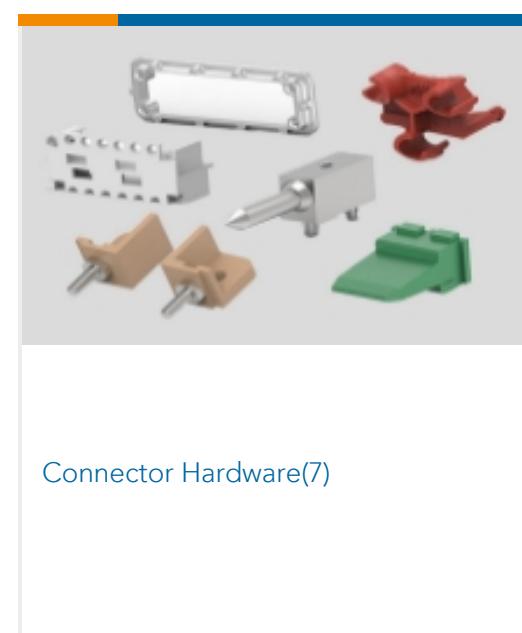
## Also in the Series | [AMPLIMITE 0.50 Series](#)



Connector Backshells(31)



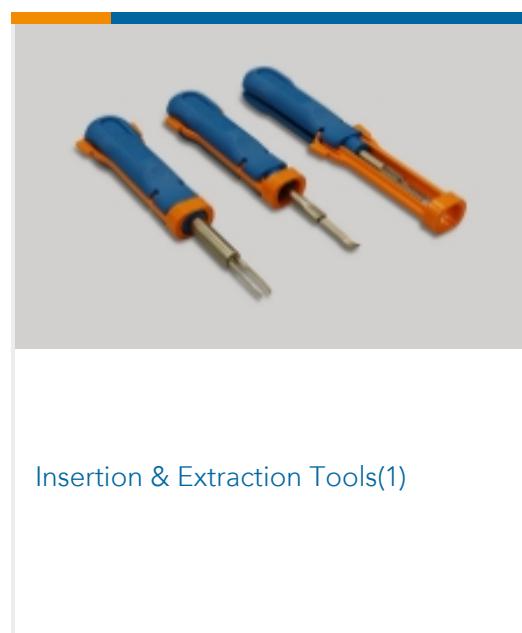
Connector Caps &amp; Covers(21)



Connector Hardware(7)



IDC D-Sub Connectors(64)



Insertion &amp; Extraction Tools(1)



PCB D-Sub Connectors(172)

## Customers Also Bought

TE Part # 1-1630019-8  
HSC200 3K3 5%TE Part # 1551572-5  
Shield Finger, Loose PieceTE Part # 1971567-2  
MINIATURE HERMAPHRODITIC (4P)TE Part # 3-2176327-6  
CRGP 0805 8K2 1%TE Part # 8-2176378-5  
RQ 0805 75R 0.1% 10PPM 5K RLTE Part # 3-2176157-6  
TLM 2010 0.75W R082 1% 50PPM 4K RLTE Part # 2-2176367-7  
RQ 0603 8K66 0.1% 10PPM 1K RL

## Documents

### Product Drawings

#### 68P S-MINI-MITE CAP HDR R-LEG

English

### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_2-5174341-5\\_A.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_2-5174341-5\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_2-5174341-5\\_A.3d\\_stp.zip](#)

English

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**Product Specifications**

**Product Specification**

English