

5174216-3 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

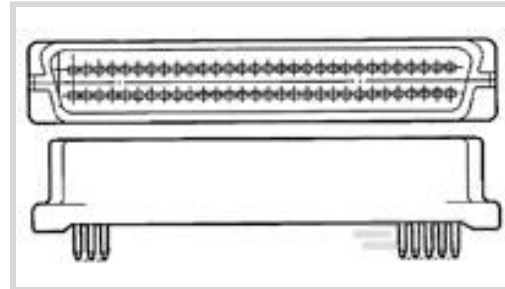
TE Internal #: 5174216-3

PCB D-Sub Connectors, Plug, Board-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: **Board-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

Flux Drain Holes	With
Shell Type	All Plastic
Connector & Housing Type	Plug
Connector System	Board-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
Connector Profile	Standard

### 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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	30 µin
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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	Without
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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	PBT
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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
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Packaging Quantity	96
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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
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

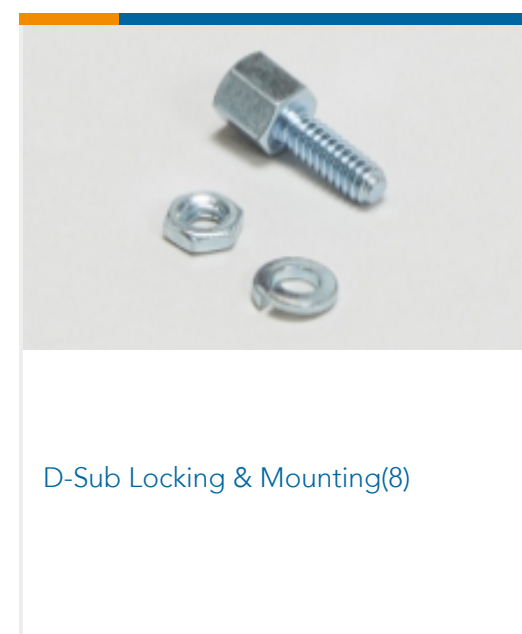
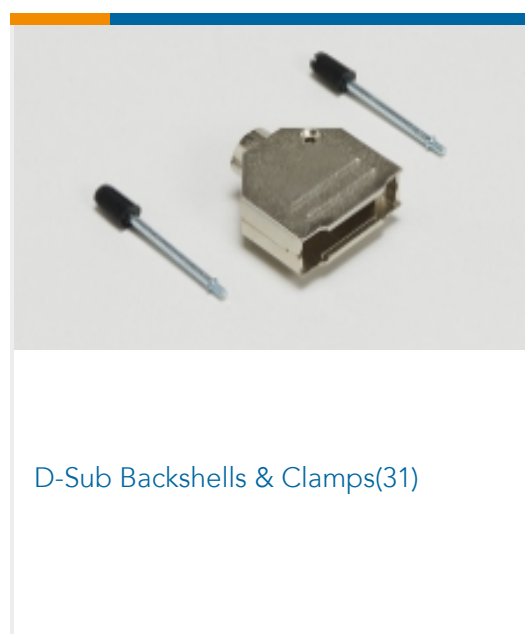
Product Compliance Disclaimer

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





Insertion & Extraction Tools(1)



PCB D-Sub Connectors(191)

## Customers Also Bought



TE Part #2149966-1  
MiniSAS HD, 1x2 Rec Assy



TE Part #5413879-2  
JACK ASSY,RTANG,BNC



TE Part #2-5332070-9  
SOCKET,MIN-SPR W/H SN-AU SER-4



TE Part #6469048-1  
HMZD 4PR RA HDR 80P ASSY LF



TE Part #2007215-1  
SFP+ 1x1 Cage Assy, PCI, Press



TE Part #535071-4  
048 EURO TYPE C RECEPT ST ASSY



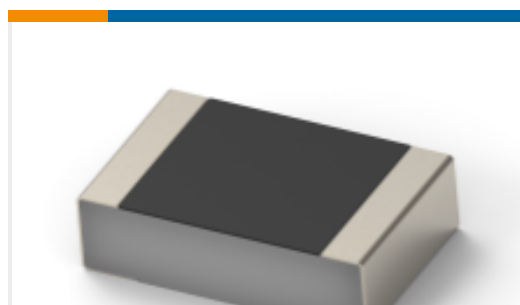
TE Part #87220-1  
01 MODII HDR SRST UNSHRD .  
100XXXXXXXXXXXX



TE Part #1469374-1  
ATCA GUIDE RIGHT ANGLE FEMALE



TE Part #1-6368011-1  
STK JK,2X1,SHLD,G/Y BI-CLR LED



TE Part #9-2176073-2  
CPF 0201 4K75 0.5% 25PPM 1K RL

## Documents

### Product Drawings

[AMPLIMITE.050 CAP ASS'Y \(V\) 50P PB-FREE](#)

English

### CAD Files

[3D PDF](#)

English

### Customer View Model

[ENG\\_CVM\\_5174216-3\\_O.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_5174216-3\\_O.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_5174216-3\\_O.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

**Product Specification**

English

**TS100 2X3 POS MARK II CABLE CONNECTOR**

English

**Product Specification**

English

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## Agency Approvals

**UL**

English