

5174216-4 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

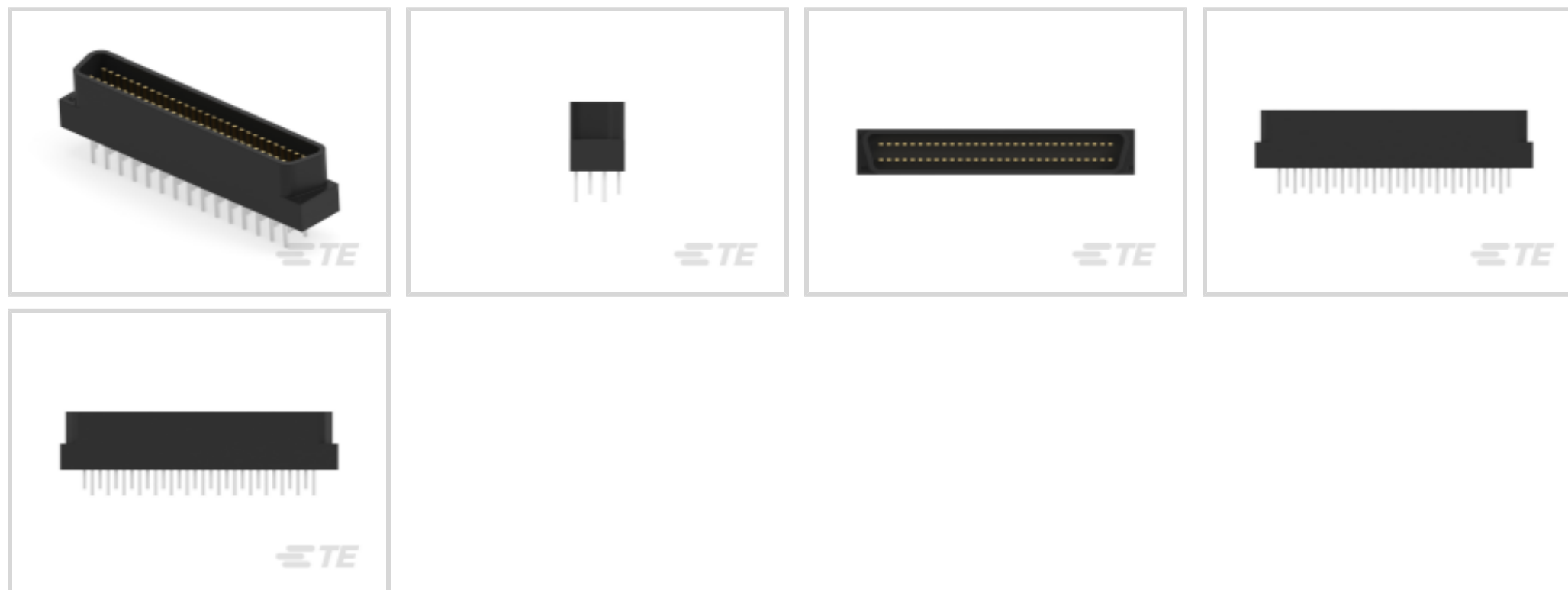
TE Internal #: 5174216-4

Plug, Board-to-Board, 60 Position, 1.27 mm [.05 in] Centerline, 2 Row, Rectangular, Standard Profile, AMPLIMITE 0.50 Series, PCB D-Sub Connectors

[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: **60**

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

Number of Rows: **2**

[All D-Sub Plug Assembly: Standard, Vertical, 1.27mm \(24\)](#)

## Features

### Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

### Termination Features

|   |                       |
|---|-----------------------|
| Rectangular Termination Post & Tail Width     | .45 mm[.017 in]       |
| Rectangular Termination Post & Tail Thickness | .4 mm[.015 in]        |
| Termination Method to PCB                     | Through Hole - Solder |
| Termination Post & Tail Length                | 3.1 mm[.122 in]       |

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 80   |
| Packaging Method   | Tray |

### Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | No     |
| Circuit Application | Signal |



### Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Mating Alignment        | Without     |
| PCB Mount Alignment     | Without     |
| PCB Mount Retention     | Without     |
| Mating Retention        | Without     |
| Connector Mounting Type | Board Mount |

### Body Features

|                       |          |
|-----------------------|----------|
| Primary Product Color | Black    |
| Connector Profile     | Standard |

### Contact Features

|   |                 |
|---|-----------------|
|   | 30 $\mu$ m      |
| Contact Options                               | Installed       |
| Contact Mating Area Plating Material          | Gold            |
| Contact Base Material                         | Copper Alloy    |
| PCB Contact Termination Area Plating Material | Tin over Nickel |
| Contact Shape & Form                          | Rectangular     |

### Housing Features

|                    |                  |
|--------------------|------------------|
| Housing Material   | PBT              |
| Centerline (Pitch) | 1.27 mm [.05 in] |

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Shell Material Configuration      | All Plastic           |
| Connector & Housing Type          | Plug                  |
| Connector System                  | Board-to-Board        |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 60       |
| Number of Rows        | 2        |
| PCB Mount Orientation | Vertical |

### Dimensions

|                    |                 |
|--------------------|-----------------|
| Row-to-Row Spacing | 2.54 mm [.1 in] |
|--------------------|-----------------|

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 105 °C [-67 – 221 °F] |
|-----------------------------|-----------------------------|



Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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  |

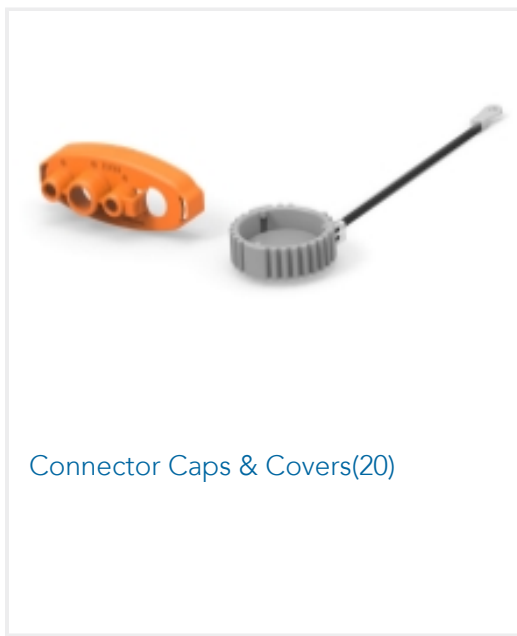
Product Compliance Disclaimer

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



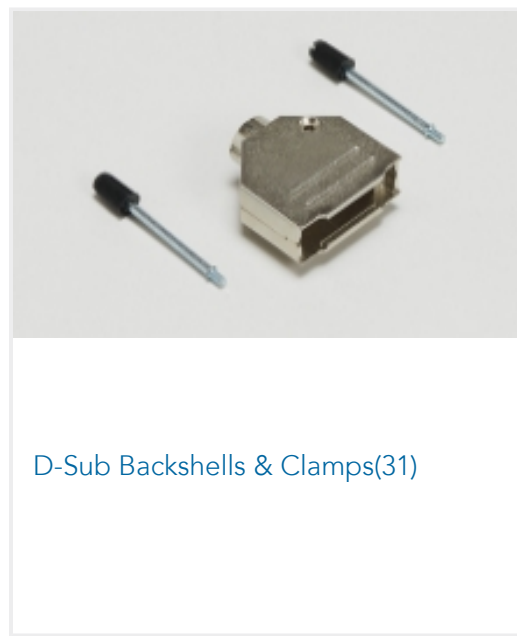
Also in the Series | **AMPLIMITE 0.50 Series**



Connector Caps & Covers(20)



Connector Hardware(7)



D-Sub Backshells & Clamps(31)



IDC D-Sub Connectors(62)



PCB D-Sub Connectors(172)

## Customers Also Bought



TE Part #CAT-D485-CH8172  
DEUTSCH DTM Housings



TE Part #WM-3S  
WEDGE LOCK, 3P, PLG, ORG, DTM



TE Part #1676221-3  
RN 0805 1K0 0.1% 10PPM 5KRL



TE Part #1676237-3  
RN 0805 1K5 0.1% 10PPM 5KRL



TE Part #1676460-2  
RN 0805 909R 0.1% 10PPM 1KRL



TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part #1838838-1  
M8 Mtl MALE PNL CONN, SLDR Rear (Hex)

## Documents

### Product Drawings

[AMPLIMITE.050 CAP ASS'Y \(M\) 60P PB-FREE](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5174216-4\\_O1.3d\\_igs.zip](#)

English

Customer View Model



[ENG\\_CVM\\_CVM\\_5174216-4\\_O1.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5174216-4\\_O1.2d\\_dxf.zip](#)

English

**3D PDF**

3D

**3D PDF**

English

**Customer View Model**

[ENG\\_CVM\\_5174216-4\\_O.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_5174216-4\\_O.3d\\_igs.zip](#)

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**Customer View Model**

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English

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## Product Specifications

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

English

**Product Specification**

English

**Product Specification**

English