

787362-5 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 787362-5

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 50 Position,  
1.27 mm [.05 in] Centerline, 2 Row, 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: **50**

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

Number of Rows: **2**

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

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Shell Type                        | Full Metal Shell      |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Cable-to-Board        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Shielded                          | Yes                   |
| Connector Type                    | Connector Assembly    |
| Product Type                      | Connector             |

### Configuration Features

|                       |             |
|-----------------------|-------------|
| Number of Positions   | 50          |
| Number of Rows        | 2           |
| PCB Mount Orientation | Right Angle |

### Body Features

|                          |                    |
|--------------------------|--------------------|
| Bracket Material         | Zinc               |
| Shell Plating Finish     | Bright             |
| Bracket Plating Material | Nickel over Copper |
| Connector Profile        | Standard           |



|                        |              |
|------------------------|--------------|
| Shell Plating Material | Nickel       |
| Shell Material         | Carbon Steel |
|                        | .012 in      |

### Contact Features

|   |                 |
|---|-----------------|
| Contact Mating Area Plating Material          | Gold            |
| Contact Underplating Material                 | Nickel          |
| PCB Contact Termination Area Plating Material | Tin-Lead        |
| Contact Base Material                         | Phosphor Bronze |
| Contact Current Rating (Max)                  | 1 A             |
|   | 30 $\mu$ m      |

### Termination Features

|   |                       |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post Length                     | 3.05 mm[.12 in]       |

### Mechanical Attachment

|                            |                      |
|----------------------------|----------------------|
| PCB Mount Alignment        | Without              |
| PCB Mount Retention        | With                 |
| PCB Mount Retention Type   | Boardlock            |
| Mating Retention           | Without              |
| Mating Retention Type      | Mounting Holes       |
| Connector Mounting Type    | Board Mount          |
| Boardlock Plating Material | Tin-Lead over Nickel |
| Boardlock Material         | Copper Alloy         |
| Mating Alignment           | Without              |
|                            | .109 in              |

### Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 1.27 mm[.05 in] |
| Housing Material   | Thermoplastic   |
| Housing Color      | Black           |

### Dimensions

|                             |                  |
|-----------------------------|------------------|
| Row-to-Row Spacing          | 2.54 mm[.1 in]   |
| PCB Thickness (Recommended) | 2.36 mm[.093 in] |

### Usage Conditions



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

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Industry Standards

|                        |           |
|------------------------|-----------|
| Approved Standards     | UL E28476 |
| UL Flammability Rating | UL 94V-0  |

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Method   | Tube |
| Packaging Quantity | 10   |

### Other

|         |  |
|---------|--|
| Comment | Recommended PCB mounting dimensions per detail S - see customer drawing. |
|---------|--|

## Product Compliance

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

|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Not Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant with Exemptions   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<br>SVHC > Threshold:<br>Pb (13% in Component Part)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Not lead free process capable   |

#### 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



D-Sub Backshells & Clamps(31)



D-Sub Covers(20)



D-Sub Locking & Mounting(8)



IDC D-Sub Connectors(76)



Insertion & Extraction Tools(1)



PCB D-Sub Connectors(191)

## Documents

### Product Drawings

50SR R/A RCPT,REDESIGN

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_787362-5\\_S.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_787362-5\\_S.3d\\_stp.zip](#)

English



### Customer View Model

[ENG\\_CVM\\_787362-5\\_S.2d\\_dxf.zip](#)

English

[3D PDF](#)

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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### Agency Approvals

[UL](#)

English