



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 1, 2.74mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

Centerline (Pitch): **2.74 mm [ .108 in ]**

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Shell Size 1, 2.74mm \(40\)](#)

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Shell Material Configuration      | Full Metal Shell      |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Board-to-Board        |
| Connector Shell Size              | 1                     |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 9        |
| Number of Rows        | 2        |
| PCB Mount Orientation | Vertical |

Body Features

|                         |               |
|-------------------------|---------------|
| Shield Plating Material | Tin           |
| Insert Material         | Polyamide, GV |
| Shield Material         | Steel         |
| Shell Plating Material  | Zinc          |
| Primary Product Color   | Black         |
| Connector Profile       | Standard      |

Contact Features

|  |  |
|--|--|
|  |  |
|--|--|



|                                               |                       |
|-----------------------------------------------|-----------------------|
| Contact Underplating Material                 | Palladium Nickel      |
|                                               | 30 µin                |
| Contact Options                               | Installed             |
| Contact Mating Area Plating Material          | Gold (Au), Gold Flash |
| Contact Base Material                         | Phosphor Bronze       |
| PCB Contact Termination Area Plating Material | Tin-Lead              |
| Contact Shape & Form                          | Square                |
| Contact Current Rating (Max)                  | 6 A                   |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Termination Method to PCB                | Through Hole - Solder |
| Termination Post & Tail Length           | 16.54 mm[.651 in]     |
| Square Termination Post & Tail Dimension | .63 mm[.025 in]       |

Mechanical Attachment

|                         |                 |
|-------------------------|-----------------|
| Mounting Hole Diameter  | 3.05 mm[.12 in] |
| PCB Mount Retention     | Without         |
| Mating Retention        | Without         |
| Connector Mounting Type | Board Mount     |

Housing Features

|                    |                  |
|--------------------|------------------|
| Housing Material   | Polyester GF     |
| Shell Material     | Carbon Steel     |
| Centerline (Pitch) | 2.74 mm[.108 in] |

Dimensions

|                             |                                    |
|-----------------------------|------------------------------------|
| PCB Thickness (Recommended) | 2.36 mm, 3.18 mm[.093 in][.125 in] |
| Row-to-Row Spacing          | 2.84 mm[.112 in]                   |

Usage Conditions

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

Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | Yes    |
| Circuit Application | Signal |

Industry Standards

|                                             |           |
|---------------------------------------------|-----------|
| UL Flammability Rating                      | UL 94V-0  |
| Compatible With Approved Standards Products | UL E28476 |



Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 17   |
| Packaging Method   | Tube |

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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                     | 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 # CAT-AM7-248H4  
IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm

TE Part # CAT-AM7-248H3  
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm

TE Part # CAT-AM7-H3  
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm

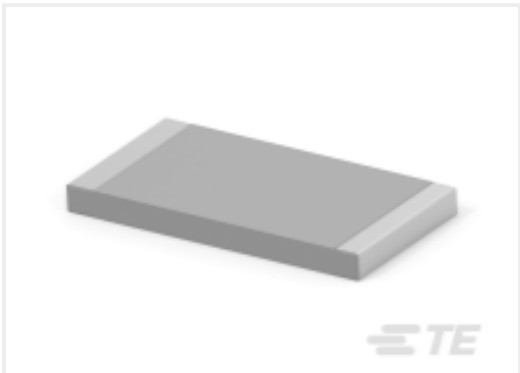


Also in the Series | **AMPLIMITE HD-20**



PCB D-Sub Connectors(289)

Customers Also Bought



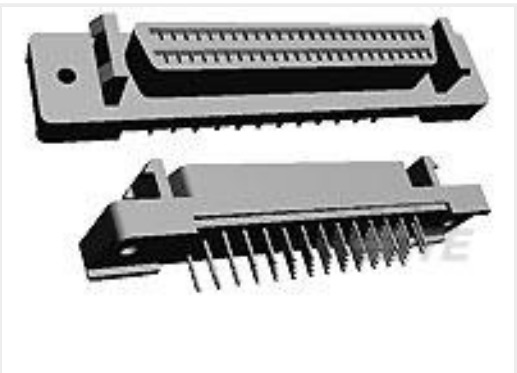
TE Part #2176331-9  
CRGP 2512 47R 1%



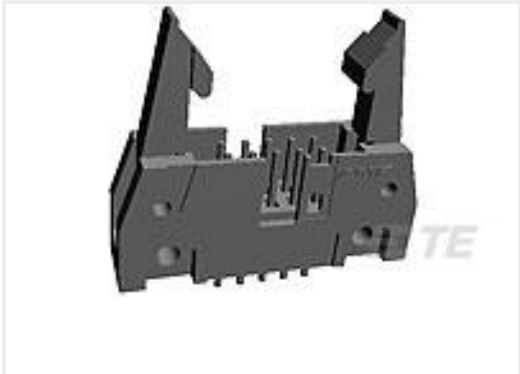
TE Part #1-1625892-4  
3W SM M/OX 5% 150K



TE Part #66104-7  
III+ SKT,24-20,TIN-LEAD,STRIP



TE Part #5749721-7  
68 50SR VERT RCPT ASSY



TE Part #5499923-1  
A/L UNIV HDR 10P VERT LAT



TE Part #1825095-2  
TP11CGPC204



TE Part #103670-6  
07 MTE HDR SRST LATCH W/HLDWN



TE Part #103670-2  
03 MTE HDR SRST LATCH W/HLDWN



TE Part #1676311-2  
RN 0805 34K 0.1% 10PPM 1KRL



TE Part #1-1734592-0  
FPC CONN. 0.5MM PITCH B/C, 10P

Documents

Product Drawings  
09 RCPT SP/MS STD

English

CAD Files  
3D PDF

3D



Customer View Model

[ENG\\_CVM\\_CVM\\_205734-5\\_AB.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_205734-5\\_AB.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_205734-5\\_AB.3d\\_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English