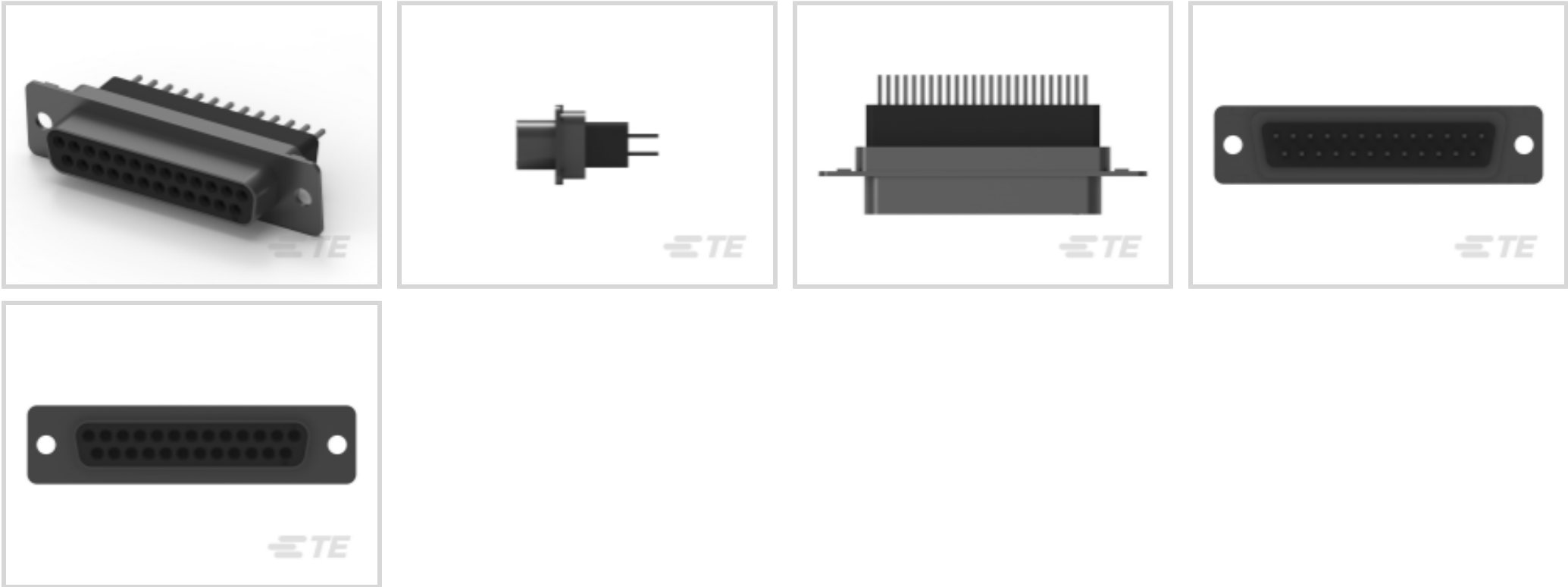




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 3, 2.77mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **25**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Shell Size 3, 2.77mm \(64\)](#)

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Shell Material Configuration      | Full Metal Shell      |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Board-to-Board        |
| Connector Shell Size              | 3                     |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 25       |
| Number of Rows        | 2        |
| PCB Mount Orientation | Vertical |

Body Features

|                        |               |
|------------------------|---------------|
| Insert Material        | Thermoplastic |
| Shell Plating Material | Tin           |



|                   |      |
|-------------------|------|
| Connector Profile | High |
|-------------------|------|

Contact Features

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

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Square Termination Post & Tail Dimension    | .63 mm[.025 in]       |
| Termination Post & Tail Length              | 4.78 mm[.188 in]      |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

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

Dimensions

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

Usage Conditions

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

Operation/Application

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

Industry Standards

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

Packaging Features



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

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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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>

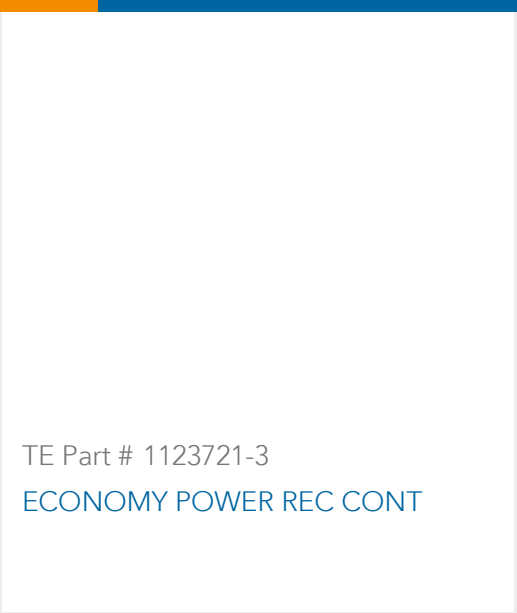
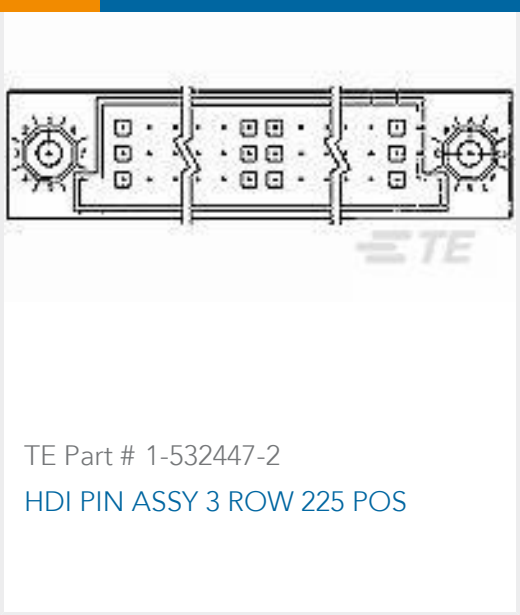
Compatible Parts

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





Customers Also Bought



Documents

Product Drawings  
25 RCPT SP/MS STD

English

CAD Files  
Customer View Model  
ENG\_CVM\_CVM\_5745187-7\_B.2d\_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5745187-7\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5745187-7\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[AMPLIMITE Subminiature D Connectors - Straight Posted Connectors](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English