

745191-7 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 745191-7

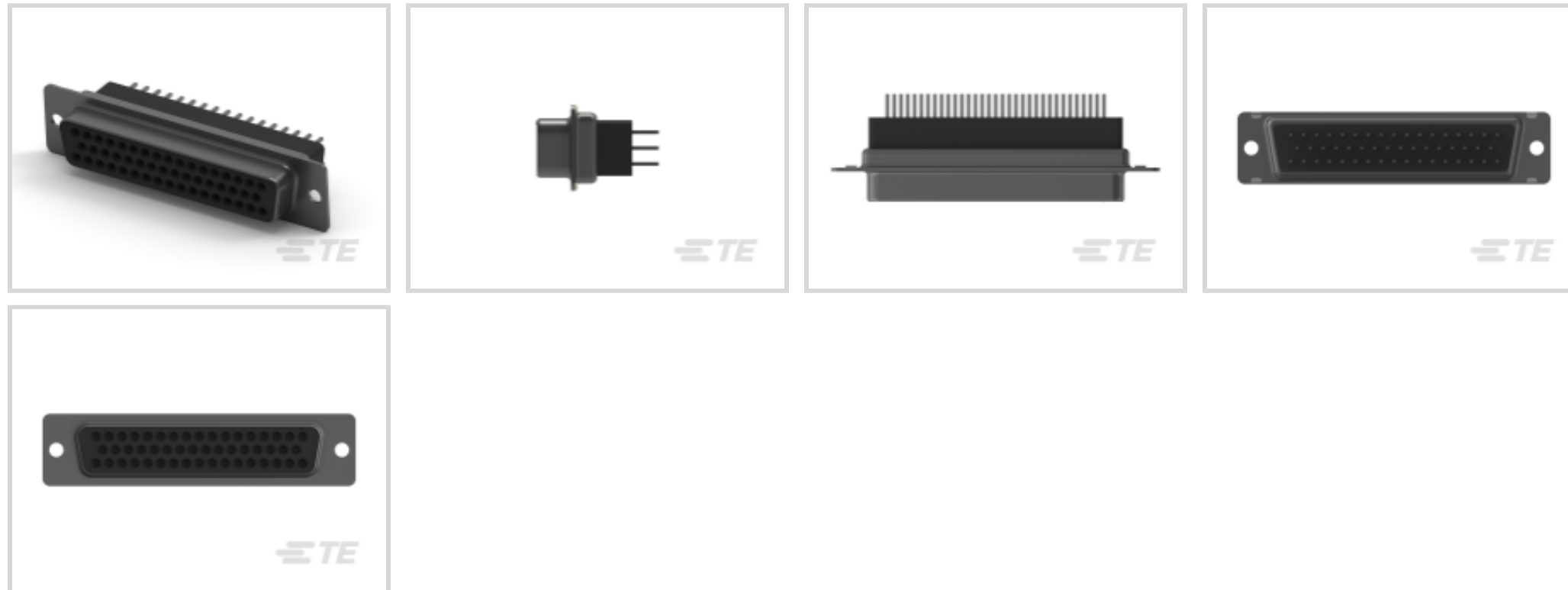
Receptacle, Board-to-Board, 50 Position, 2.77 mm [.109 in]

Centerline, 3 Row, 5 Shell Size, Square, AMPLIMITE HD-20, PCB D-Sub Connectors

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 5, 2.77mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **50**

Centerline (Pitch): **2.77 mm [.109 in]**

Number of Rows: **3**

[All D-Sub Receptacle Assembly: Vertical, Shell Size 5, 2.77mm \(10\)](#)

Features

Industry Standards

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

Termination Features

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

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 7 |
| Packaging Method | Tube |

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 |

Body Features

| | |
|------------------------|---------------|
| Insert Material | Thermoplastic |
| Shell Plating Material | Tin |
| Primary Product Color | Black |
| Connector Profile | High |

Contact Features

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

Dimensions

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

Housing Features

| | |
|--------------------|-------------------|
| Housing Material | Thermoplastic |
| Shell Material | Steel |
| Centerline (Pitch) | 2.77 mm [.109 in] |

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Shell Material Configuration | Full Metal Shell |
| Connector & Housing Type | Receptacle |
| Connector System | Board-to-Board |
| Connector Shell Size | 5 |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|---------------------|----|
| Number of Positions | 50 |
|---------------------|----|



| | |
|----------------|---|
| Number of Rows | 3 |
|----------------|---|

| | |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
|-----------------------|----------|

Usage Conditions

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

Operation/Application

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

Other

| | |
|--------------------|---------------|
| EU RoHS Compliance | Not Compliant |
|--------------------|---------------|

| | |
|-------------------|---------------------------|
| EU ELV Compliance | Compliant with Exemptions |
|-------------------|---------------------------|

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 | <p>Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (13% in Component Part)</p> <p>Article Safe Usage Statements: 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.</p> |
|--|---|

| | |
|-----------------|--|
| 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 HD-20](#)



Customers Also Bought





Documents

Product Drawings

[50 RCPT SP/MS STD](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_745191-7_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_745191-7_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_745191-7_N.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English