

5745187-1 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

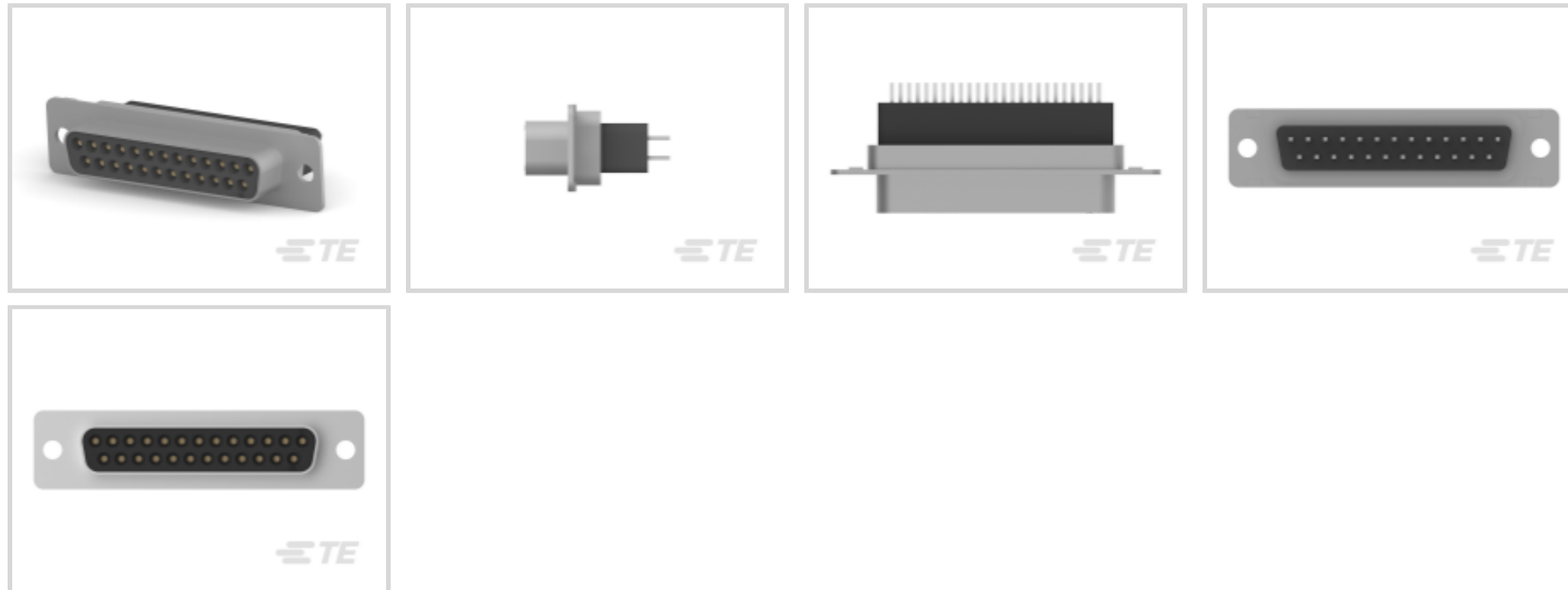
TE Internal #: 5745187-1

PCB D-Sub Connectors, Receptacle, Board-to-Board, 25 Position,
2.74 mm [.108 in] Centerline, 2 Row, Size 3, Square, High Profile,
AMPLIMITE HD-20

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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

| | |
|-----------------------------------|-----------------------|
| Grounding Indents | Without |
| Grounding Straps | Without |
| Shell Type | Full Metal Shell |
| Connector & Housing Type | Receptacle |
| Connector System | Board-to-Board |
| D-Sub Shell Size | 3 |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Product Type | Connector |

Configuration Features

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



| | |
|-----------|-----|
| Preloaded | Yes |
|-----------|-----|

Body Features

| | |
|------------------------|-----------------|
| Plastic | No |
| Insert Material | Thermoplastic |
| Connector Profile | High |
| Shell Material | Steel |
| Shell Plating Material | Tin |
| Post Size | .64 mm[.025 in] |

Contact Features

| | |
|---|-----------------|
| 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 |
| | 30 μ in |

Termination Features

| | |
|---|-----------------------|
| Grounding Clips | Without |
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post Length | 3.18 mm[.125 in] |

Mechanical Attachment

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

Housing Features

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

Dimensions

| | |
|-----------------------------|--------------------------------|
| Row-to-Row Spacing | 2.84 mm[.112 in] |
| PCB Thickness (Recommended) | 1.57 – 2.36 mm[.062 – .093 in] |



Usage Conditions

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

Operation/Application

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

Industry Standards

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

Packaging Features

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

Other

| | |
|---------|--|
| Comment | All receptacles are preloaded with size 20 DF posted socket contacts |
|---------|--|

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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



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



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



TE Part # CAT-AM7-248H4
IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm



TE Part # 206509-1
SIZE 20 KEYING PLUG

Also in the Series | AMPLIMITE HD-20



PCB D-Sub Connectors(353)

Customers Also Bought



TE Part #5745183-1
09 RCPT SP/MS STD



TE Part #3-111196-4
68 RCPT SYSTEM 50 30 DPLX



TE Part #535043-4
096 EURO TYPE C RECEPT ST ASSY



TE Part #350422-1
02P CMNL HDR ASSY PC NATL



TE Part #583854-3
TWIN LF SOLD EYE CONTACT



TE Part #5-104068-5
50 SYSTEM 50 HDR DRST SHRD



TE Part #1393122-1
KHAE-17D12-24=KH



TE Part #5146046-1
136 MEMCD T/H RSD STKD HDR



Documents

Product Drawings

[25 RCPT SP/MS STD](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_5745187-1_B.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5745187-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5745187-1_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

Product Environmental Compliance

[TE Material Declaration](#)

English

Agency Approvals

[UL Report](#)

English