

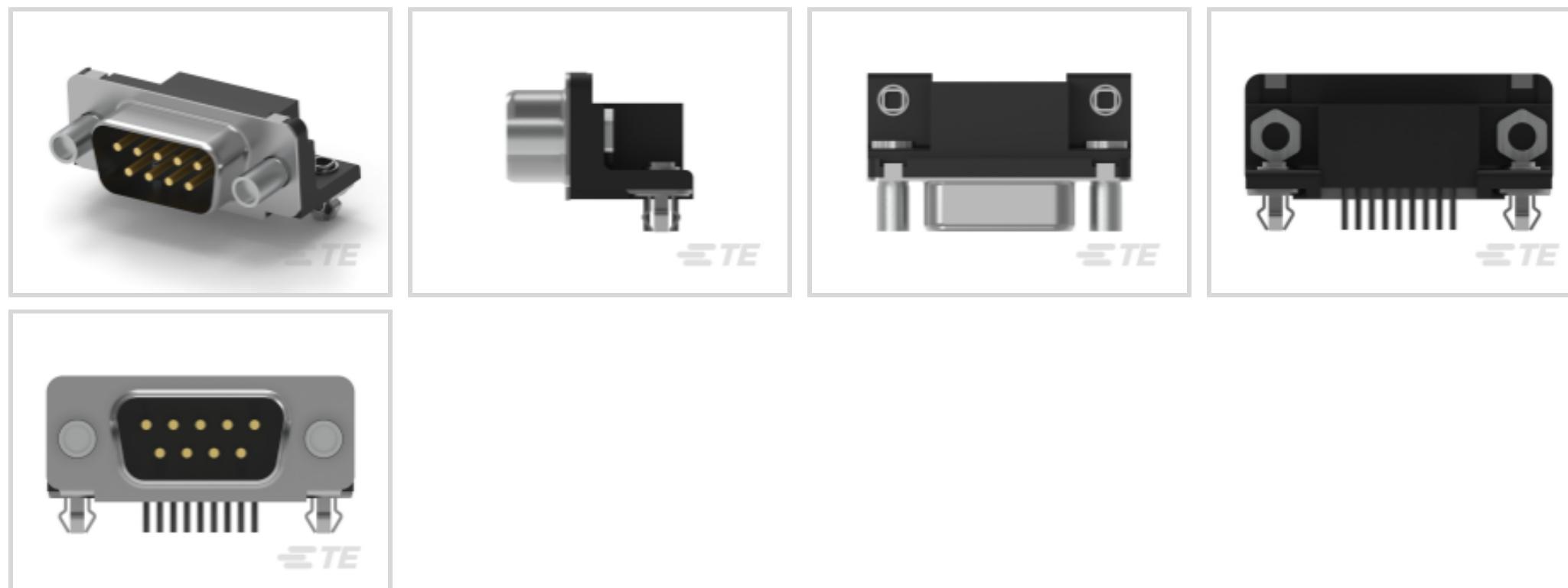
7-747840-1 ACTIVE**AMPLIMITE | AMPLIMITE HD-20**

TE Internal #: 7-747840-1

9 Position D-Shaped Connector, Plug, Board-to-Board, Board Mount, 1 Shell Size, 2.74 mm [.108 in] Centerline, Printed Circuit Board, AMPLIMITE HD-20

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Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Standard, Right Angle, Shell Size 1, 2.74mm

Number of Positions: **9**Connector & Housing Type: **Plug**Connector System: **Board-to-Board**Connector Mounting Type: **Board Mount**Connector Shell Size: **1**[All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 1, 2.74mm \(43\)](#)

Features

Product Type Features

| | |
|-----------------------------------|-------------------------------------|
| Ground Feature Type | Grounding Indents, Grounding Straps |
| Shell Material Configuration | Front Metal Shell |
| Connector & Housing Type | Plug |
| 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 | Right Angle |

Body Features

| | |
|-----------------------------------|--------------|
| Assembly Process Feature Material | Copper Alloy |
|-----------------------------------|--------------|

| | |
|---------------------------------|----------------|
| Shell Plating Material | Tin |
| Mating Feature Material | Zinc |
| Mating Feature Plating Material | Clear Chromate |
| Primary Product Color | Black |
| Connector Profile | Standard |

Contact Features

| | |
|---|------------------|
| | 30 μ in |
| Contact Underplating Material | Palladium Nickel |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Shape & Form | Round |
| Contact Current Rating (Max) | 6 A |
| Contact Options | Installed |

Termination Features

| | |
|----------------------------------|-----------------------|
| Termination Post & Tail Diameter | .66 mm [.026 in] |
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 3.18 mm [.125 in] |

Mechanical Attachment

| | |
|---|--------------------------|
| Mounting Feature Plating Material | Tin over Copper Flash |
| Mounting Feature Material | Brass |
| Mounting Hole Diameter | 3.18 mm [.125 in] |
| Assembly Process Feature Plating Material | Tin over Nickel |
| Connector Mounting Type | Board Mount |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Boardlock |
| Mating Retention | With |
| Mating Retention Type | Female Screwlocks, Fixed |

Housing Features

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

Dimensions

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|-----------------------------|-------------------|
| PCB Thickness (Recommended) | 1.57 mm [.062 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 |
| Compatible With Approved Standards Products | UL E28476 |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 130 |
| Packaging Method | Tray |

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690948374) |

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.

| | |
|---------------------------|--|
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| 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-AM7-248H8
IDC D-Sub: Receptacle Assembly,
Wire to Wire, Signal, 2.74 mm



TE Part # 747516-7
09 HDE PMOLD RCPT, LEAD FREE

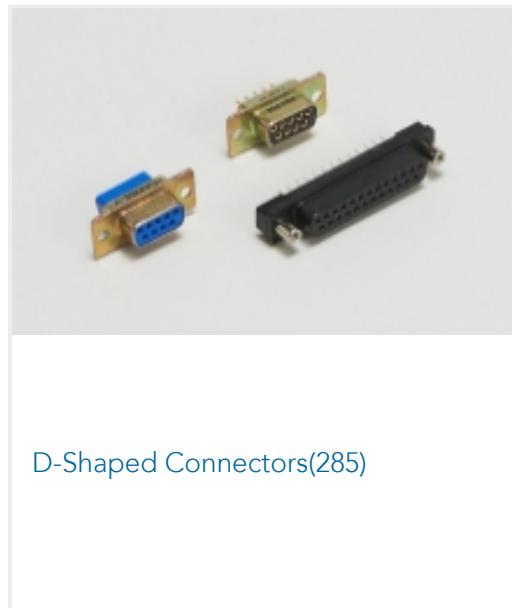


TE Part # CAT-AM7-253
IDC D-Sub: Receptacle Assembly, Low
Profile, Signal, 2.77 mm



TE Part # 1-747943-5
KIT,RCPT,9P,HDE,SHLD ENCLSRE

Also in the Series | AMPLIMITE HD-20



D-Shaped Connectors(285)



PCB D-Sub Connectors(285)

Customers Also Bought



TE Part #5745396-2
HD-20 RCPT 15P RA 318 FFSCRLK

Documents

Product Drawings

[9P RA MSFL 318 PLUG](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_7-747840-1_AC.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model[ENG_CVM_CVM_7-747840-1_AC.3d_igs.zip](#)

English

Customer View Model[ENG_CVM_CVM_7-747840-1_AC.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

Agency Approvals**UL Report**

English