

747846-3 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

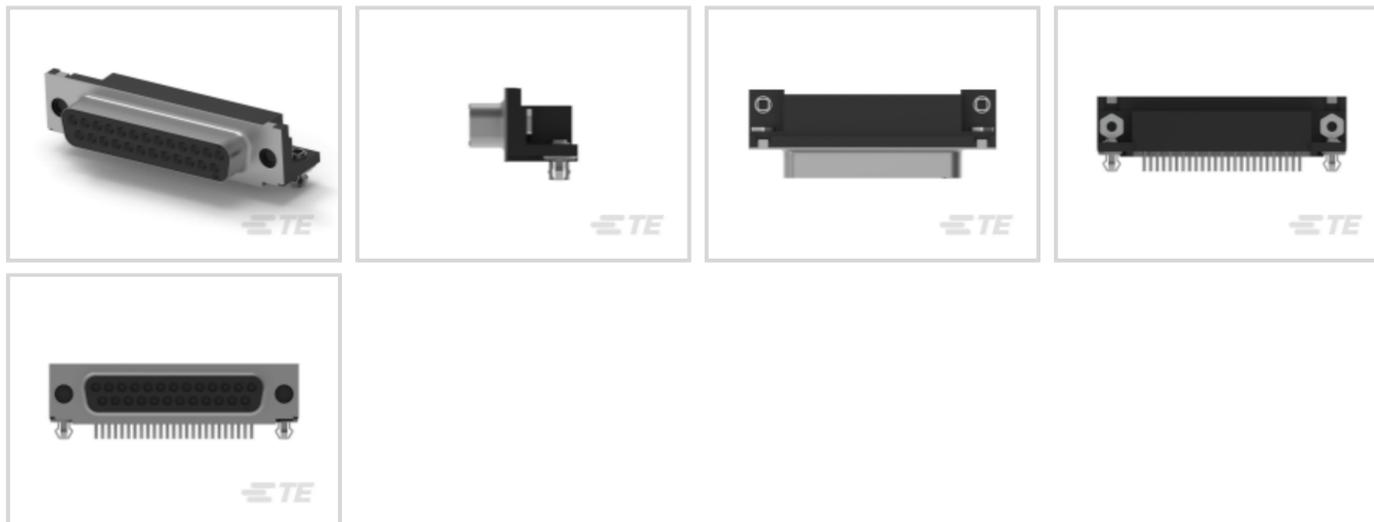
TE Internal #: 747846-3

25 Position D-Shaped Connector, Receptacle, Board-to-Board,
Board Mount, 3 Shell Size, 2.77 mm [.109 in] Centerline, AMPLIMITE
HD-20

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Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm



Number of Positions: 25

Connector & Housing Type: Receptacle

Connector System: Board-to-Board

Connector Mounting Type: Board Mount

Connector Shell Size: 3

[All D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm \(47\)](#)

Features

Product Type Features

Ground Feature Type	Grounding Straps
Shell Material Configuration	Front 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	Right Angle

Body Features

Assembly Process Feature Material	Copper Alloy
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Insert Material	Zinc
Shell Plating Material	Tin
Mating Retention Feature Material	Zinc
Primary Product Color	Black
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold Flash
Contact Base Material	Phosphor Bronze
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

Mating Retention Feature Plating Material	Clear Chromate
Mounting Feature Plating Material	Tin
Mounting Feature Material	Brass
Mounting Hole Diameter	3.18 mm[.125 in]
Assembly Process Feature Plating Material	Tin-Lead
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	With
Mating Retention Type	Threaded Insert, 4-40 UNC

Housing Features

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



Dimensions

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]
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Operation/Application

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	65
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	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 # 1-745496-8
 25 HDE MS PLUG, 22-26, LEAD FREE



TE Part # 1-747948-8
 KIT, PLUG, 25P, HDE, SHLD ENCLSRE

Also in the Series | AMPLIMITE HD-20



D-Shaped Connectors(285)

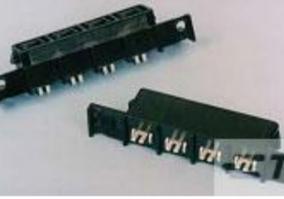


PCB D-Sub Connectors(285)

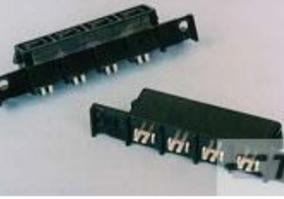
Customers Also Bought



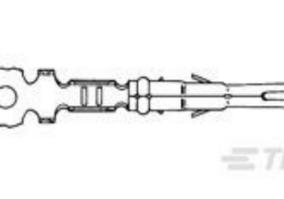
TE Part #556879-3
 PLUG HSG, AMPINNERGY WTB, 3 POS



TE Part #556881-2
 RCPT ASY, VRT, AMPINRGY WTB, 2POS



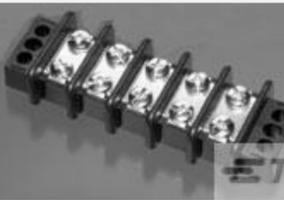
TE Part #556881-3
 RCPT ASY, VRT, AMPINRGY WTB, 3POS



TE Part #640545-1
 MR SPLIT PIN 26-18 PTPHBRZ LP



TE Part #643406-1
 05P UMNL PIN HDR ASSY POL 94VO



TE Part #1546310-6
 6P .563" DR BARRIER STRIP



TE Part #1879216-4
 CPF 0402 53K6 0.1% 25PPM 1K RL



TE Part #2176407-6
 3560 22K 1%



Documents

Product Drawings

[25 MSFL RCPT RA 318 \(IN,FM,BL\)](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_747846-3_AA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_747846-3_AA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_747846-3_AA.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English