745189-7 ✔ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 745189-7

37 Position D-Shaped Connector, Receptacle, Board-to-Board, Board Mount, Shell Size 4, 2.77 mm [.109 in] Centerline, AMPLIMITE HD-20

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Vertical, Shell Size 4, 2.77mm



Number of Positions: **37**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: **4**

All D-Sub Receptacle Assembly: Vertical, Shell Size 4, 2.77mm (17)

Features

Product Type Features

Shell Material Configuration	Full Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector Shell Size	4
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	37
Number of Rows	2
PCB Mount Orientation	Vertical

Body Features

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

Contact Features

	30 µin
Contact Underplating Material	Palladium Nickel

Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Shape & Form	Square
Contact Current Rating (Max)	6 A
Contact Options	Installed

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]

Mechanical Attachment

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

Housing Features

Housing Material	Thermoplastic
Shell Material	Carbon Steel
Centerline (Pitch)	2.77 mm[.109 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
Compatible With Approved Standards Products	UL E28476

Packaging Features

Packaging Quantity	7
Packaging Method	Tube

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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	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



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



TE Part # 206509-1
SIZE 20 KEYING PLUG

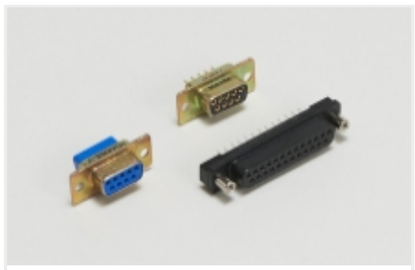


TE Part # CAT-AM7-248H3
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm

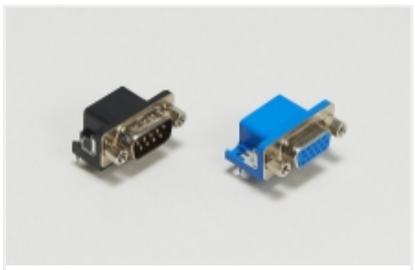


TE Part # 1-747950-5
KIT,PLUG,37P,HDE,SHLD ENCLSRE

Also in the Series | AMPLIMITE HD-20

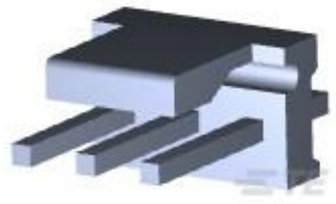


D-Shaped Connectors(285)



PCB D-Sub Connectors(285)

Customers Also Bought



TE Part #640445-3
03P MTA156 HDR ASSY FL/STR SN



TE Part #650025-2
KEY PLUG-SHORT



TE Part #1-794073-0
08P MINI UMNL HDR W/O DH SN LF



TE Part #796739-3
3 POS PCB MT 9.52MM HI CRT TBK



TE Part #5-1393243-6
RT424F24



TE Part #7-1393243-0
RT424048



TE Part #1473005-1
SEMI HARD TRAY DDR SOCKET 200P



TE Part #1-1625892-6
3W SM M/OX 5% 15K



TE Part #5535043-5
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part #5650859-5
ASSEMBLY,RECEPTACLE,EUROCARD, T

Documents

Product Drawings

37 RCPT SP/MS STD

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_745189-7_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_745189-7_J.3d_igs.zip

English

Customer View Model

ENG_CVM_745189-7_J.3d_stp.zip

English

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Product Specifications

Application Specification

English