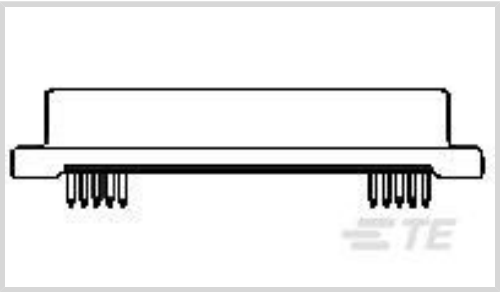




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > AMPLIMITE D-Sub Receptacle Assembly: Vertical, 1.27mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **20**

Centerline (Pitch): **1.27 mm [.05 in]**

Number of Rows: **4**

[All AMPLIMITE D-Sub Receptacle Assembly: Vertical, 1.27mm \(41\)](#)

Features

Industry Standards

UL Flammability Rating	UL 94V-0
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Termination Features

Rectangular Termination Post & Tail Width	.45 mm[.017 in]
Rectangular Termination Post & Tail Thickness	.4 mm[.015 in]
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.1 mm[.122 in]

Operation/Application

Shielded	No
Circuit Application	Signal

Mechanical Attachment

Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Retention Solder Tails
Mating Retention	Without
Connector Mounting Type	Board Mount



Body Features

Primary Product Color	Black
Connector Profile	Standard

Contact Features

Contact Mating Area Plating Material	Gold
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin over Nickel
Contact Options	Installed
Contact Shape & Form	Square
Contact Current Rating (Max)	1 A

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	1.27 mm[.05 in]

Product Type Features

Shell Material Configuration	All Plastic
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	20
Number of Rows	4
PCB Mount Orientation	Vertical

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
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Usage Conditions

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

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 5174225-1
AMPLIMITE 050-2B HOR 20P M2.5



TE Part # CAT-020-DPAV127
D-Sub Plug Assembly: Standard, Vertical, 1.27mm

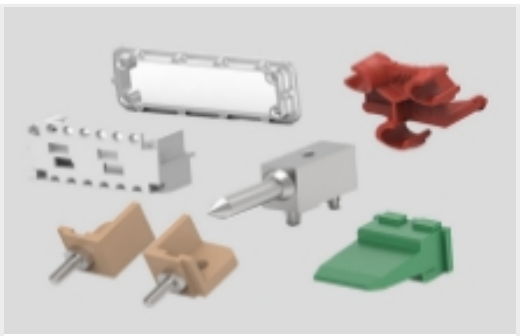
Also in the Series | AMPLIMITE 0.50 Series



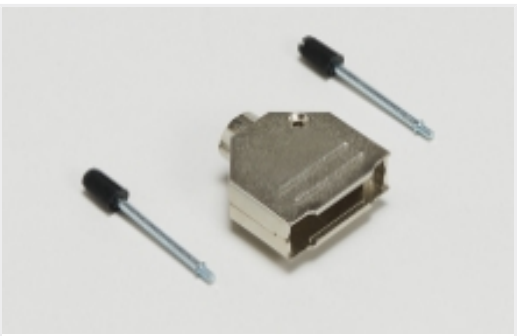
Connector Backshells(31)



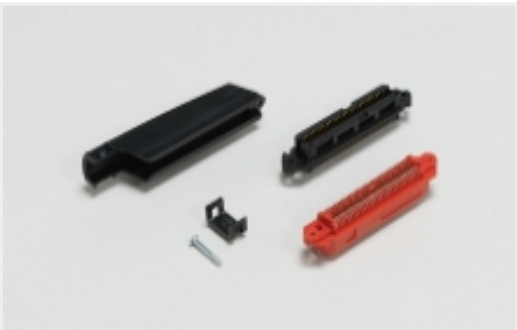
Connector Caps & Covers(20)



Connector Hardware(7)



D-Sub Backshells & Clamps(31)



IDC D-Sub Connectors(62)



Insertion & Extraction Tools(1)



PCB D-Sub Connectors(172)

Customers Also Bought

TE Part #1-2349815-2
D3950 REC 8POSN. 1ROW X KEY
MARKED

TE Part #1123677-1
Z-STACK TYPE F16 ASSY 130P

TE Part #1-1871673-3
DYNAMIC 1200D HDR ASSY H 6P
BLACK TIN

TE Part #900412-2
PC I/O RETENTION LEG ASSY 80P

TE Part #1473226-1
SOCKET WITH RING MINI U-M-N-L

TE Part #2-1586038-2
22P VRT HDR VAL-U-LOK V0

TE Part #2229093-1
MOD JACK ASSEMBLY V-TYPE H=21.
7mm

TE Part #2309223-1
RITS CONN.HDR ASSY 4ROW 4P THR
W TAPE

TE Part #ASA021N00210235000
623 PLUG

TE Part #1-5316316-0
.6FHP08H,140,S,GIG,08/Sn,HT,SEYes

Documents

Product Drawings

BD TO BD CONN W/SF RET POST

English

CAD Files

Customer View Model

ENG_CVM_CVM_5175710-5_O1.3d_igs.zip

English

Customer View Model



[ENG_CVM_CVM_5175710-5_O1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5175710-5_O1.2d_dxf.zip](#)

English

3D PDF

3D

3D PDF

English

Customer View Model

[ENG_CVM_5175710-5_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5175710-5_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5175710-5_O.3d_stp.zip](#)

English

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

Product Specifications

Product Specification

English