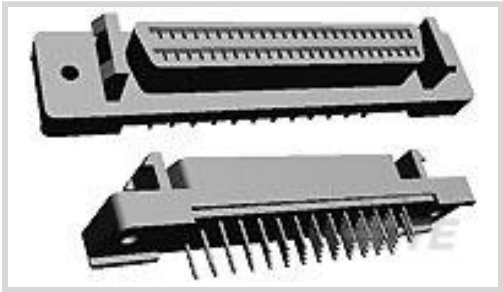




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > AMPLIMITE D-Sub Receptacle Assembly: Vertical, 1.27mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **50**

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

Number of Rows: **2**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	50
Number of Rows	2
PCB Mount Orientation	Vertical

Body Features

Shell Plating Material	Nickel over Copper
Primary Product Color	Black
Connector Profile	Standard

Contact Features

Contact Underplating Material	Palladium Nickel
	30 µin
Contact Options	Installed
Contact Mating Area Plating Material	Gold or Gold Flash



Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin-Lead, Tin-Lead over Nickel
Contact Current Rating (Max)	1 A

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.18 mm[.125 in]
Square Termination Post & Tail Dimension	.4 mm[.016 in]

Mechanical Attachment

Mounting Feature Plating Material	Nickel over Copper
Mounting Feature Material	Zinc
	.109 in
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Latches
Connector Mounting Type	Board Mount

Housing Features

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

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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Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	10
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (13% in Component Part) 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





Also in the Series | **AMPLIMITE 0.50 Series**

Connector Caps & Covers(20)

Connector Hardware(6)

D-Sub Backshells & Clamps(21)

IDC D-Sub Connectors(69)

PCB D-Sub Connectors(172)

Customers Also Bought

TE Part #179227-1
CRIMP TYPE II REC CONTACT

TE Part #454303-E
IDCTERM 1 IDC22 1,30 KA 105 707 0007 J

TE Part #354070-E
SMCB 16 F AB VV 7-23 CL * H007 137 E002

TE Part #254414-E
SMCQ 16 M AB VV 8-23 CL * H007 137 E005

TE Part #5052962027
RNF-100-3/32-4-STK

TE Part #2340901-1
USB Type C 2.0 Conn Rec Mid-Mount One Ro

TE Part #1534805-1
HD20 COVER KIT 9POS WITH CABLE

TE Part #294032-E
DRCB 0,80 80 F SMD F8 137 E009 094 GU-H

TE Part #179228-2
CT CRIMP TYPE REC HSG

TE Part #838373-E
IDCCS SMC 1,27 16 * AU AUI 140 HF



Documents

Product Drawings

50 50SR VERT RCPT ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_749721-5_W.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_749721-5_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_749721-5_W.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

English