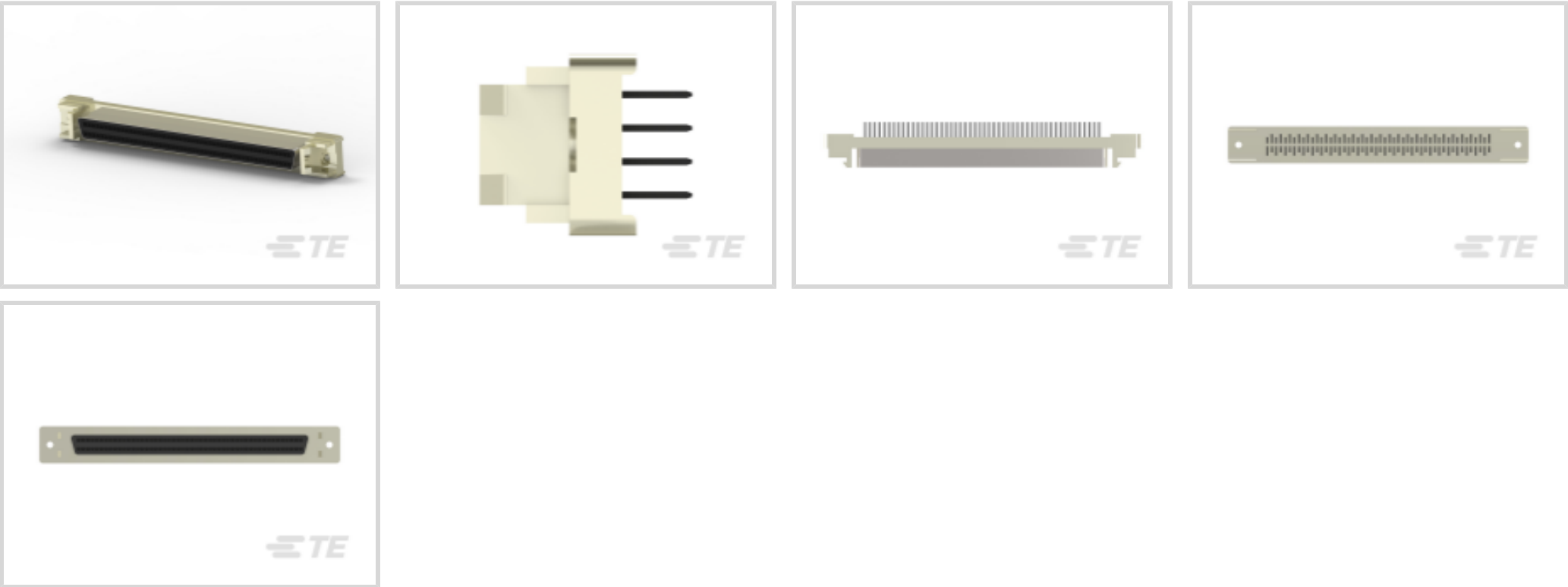




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > AMPLIMITE D-Sub Receptacle Assembly: Vertical, 1.27mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **100**

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

Number of Rows: **4**

[All AMPLIMITE D-Sub Receptacle Assembly: Vertical, 1.27mm \(42\)](#)

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	100
Number of Rows	4
PCB Mount Orientation	Vertical

Body Features

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



Contact Features

	30 µin
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
Contact Underplating Material	Palladium Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Square Termination Post & Tail Dimension	.38 mm[.015 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mounting Feature Plating Material	Nickel over Copper
Mounting Feature Material	Zinc
Mounting Hole Diameter	2.77 mm[.109 in]
Mating Alignment Type	Rails
Mating Alignment	With
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

Shell Material	Carbon Steel
Housing Material	Thermoplastic
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

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Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	6
Packaging Method	Tube

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: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°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-AM7-22507
IDC D-Sub: Connector Kit, Plug, Signal, 1.27 mm

TE Part # 5749111-8
100 50SR CABLE PLUG ASSY

TE Part # 786585-2
50SR SCREWLOCK KIT,FEMALE

TE Part # 749087-1
50SR SCREWLOCK KIT,FEMALE

TE Part # 749087-2
50SR SCREWLOCK KIT,FEMALE

TE Part # 749087-3
50SR SCREWLOCK KIT,FEMALE

TE Part # 786585-3
50SR SCREWLOCK KIT,BULK,FEMAL

TE Part # 5-749611-9
100 50SR PANEL MOUNT RCPT, ROHS

TE Part # 749087-4
50SR SCREWLOCK KIT,FEMALE

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

D-Sub Backshells & Clamps(31)

D-Sub Covers(20)

D-Sub Locking & Mounting(8)

IDC D-Sub Connectors(68)

Insertion & Extraction Tools(1)

PCB D-Sub Connectors(173)

Customers Also Bought



TE Part #5352332-1
Hard Metric Male Connector:
Traditional Backplane, Mezzanine,
2mm

TE Part #5749069-7
68 50SR VERT RCPT ASSY

TE Part #2-5748003-0
09 PLUG SP/FMS BRDLK

TE Part #5646547-1
Z-PACK A-B 25 COLUMN SHLD ASSY

TE Part #5787962-1
.8MM CHAMP STACK RCPT ASSY

TE Part #3-6318490-6
.5FHR04H,220,S,GIG,08/Sn,HT,NSYes

TE Part #5555139-1
RCPT, ASSY, LPF, 24 POSN,RTANG

TE Part #2357739-1
16G,05FH,REC,220PIN,4H,Hard Tray

TE Part #1-1393577-9
FL 9SU 120+2

Documents

Product Drawings
100 50SR VERT RCPT ASSYY

English

CAD Files
Customer View Model
ENG_CVM_CVM_5749069-9_C1.3d_stp.zip
English
Customer View Model
ENG_CVM_CVM_5749069-9_C1.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_5749069-9_C1.3d_igs.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages



[AMPLIMITE Subminiature D Connectors - .050 Series Connector](#)

English

[AMPLIMITE .050 Series D-sub Connectors QRG](#)

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[Product Specifications](#)

[Application Specification](#)

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[Product Environmental Compliance](#)

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