



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



Number of Positions: 50  
Connector & Housing Type: Receptacle  
Connector System: Cable-to-Board  
Connector Mounting Type: Board Mount  
Centerline (Pitch): 1.27 mm [.05 in ]

[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	4
PCB Mount Orientation	Vertical

Body Features

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

Contact Features

	30 µin
Contact Underplating Material	Palladium Nickel
Contact Mating Area Plating Material	Gold or Gold Flash
Contact Base Material	Phosphor Bronze



PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	1 A
Contact Options	Installed

Termination Features

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

Mechanical Attachment

Mounting Feature Plating Material	Nickel over Copper
Mounting Feature Material	Zinc
Mounting Hole Diameter	3.18 mm[.125 in]
Mating Alignment	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	Without
Mating Retention Type	Screwlocks

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	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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 5749699-5  
50 50SR CABLE RCPT KIT



TE Part # 5749210-5  
50 50SR CABLE RCPT ASSY



TE Part # 5749111-4  
50 50SR CABLE PLUG ASSY

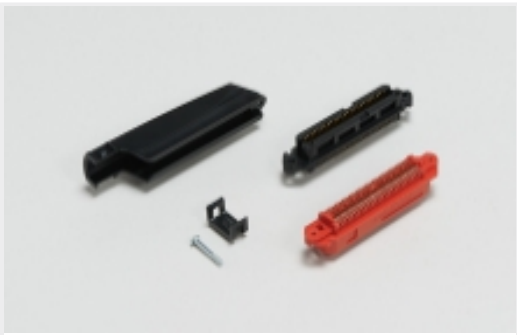
Also in the Series | **AMPLIMITE 0.50 Series**



Connector Backshells(20)



Connector Caps & Covers(20)



IDC D-Sub Connectors(64)



Insertion & Extraction Tools(1)



PCB D-Sub Connectors(172)

Customers Also Bought



TE Part #CONSMA002-SMD-G-T  
SMA Jack 50 Ohm PCB Surface Mount



TE Part #3-644894-3  
03P CST100 SHRD HDR ASSY LF



TE Part #826926-3  
3P AMPMODU II PIN HDR.



TE Part #1462052-3  
HF6 53 = 50OHM 140MW 5V MONO



TE Part #1761028-3  
50 50SR R/A RCPT ASSY,LEAD FRE



TE Part #2-1825136-2  
A101MDZQ04



TE Part #6-1879220-4  
CPF 0603 45K3 0.1% 25PPM 5K RL



TE Part #4-2176326-9  
CRGP 0603 100K 1%



TE Part #2-2176327-4  
CRGP 0805 820R 1%



TE Part #4-2176429-4  
MPT100 12R 1%

Documents



Product Drawings

50 50SR VERT RCPT ASSY

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_5749070-5\_O.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_5749070-5\_O.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_5749070-5\_O.3d\_igs.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5749070-5\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5749070-5\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5749070-5\_A.3d\_stp.zip

English

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

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English