



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Right Angle, 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 D-Sub Receptacle Assembly: Right Angle, 1.27mm \(74\)](#)

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	Right Angle

Body Features

Assembly Process Feature Material	Copper Alloy
Shell Plating Finish	Bright
Shell Plating Material	Nickel over Copper
Primary Product Color	Black
Connector Profile	Standard

Contact Features

	30 µin
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel



Contact Underplating Material	Palladium Nickel
PCB Contact Termination Area Plating Material	Tin over Nickel
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Thickness	.3 mm[.011 in]
Rectangular Termination Post & Tail Width	.41 mm[.016 in]
Termination Post & Tail Length	2.54 mm[.1 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Assembly Process Feature Plating Material	Tin over Nickel
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	Boardlock
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

PCB Thickness (Recommended)	1.57 mm[.062 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Shielded	Yes
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Circuit Application

Signal

Industry Standards

Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	10
Packaging Method	Tube

Other

D-Shaped Connectors Comment	Has 4-40 threaded mating holes (2 places), for use with female screwlock Part No. 750644-1
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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 # 5749111-4
50 50SR CABLE PLUG ASSY

TE Part # 5749699-5
50 50SR CABLE RCPT KIT

TE Part # CAT-AM7-22507
IDC D-Sub: Connector Kit, Plug, Signal, 1.27 mm

TE Part # 5390377-5
50 POS A/P PLUG 25 CL 30AU

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

TE Part # 750644-1
50SR SCREWLOCK KIT,FEMALE

TE Part # 5-750450-1
50 50SR PANEL MOUNT RCPT, ROHS

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 #2176054-2
RLP73M 2A R056 5% 5K RL

TE Part #5-102618-6
16 MODII HDR DRST SHRD .100CL

TE Part #5-103672-2
03 MTE HDR SRRA LATCH W/HLDWN

TE Part #406732-2
MJ,10MM,8P,SHLD,NO HSG POST,SN



TE Part #4-794638-0
10P MICRO MNL ASSY,VRT,SMT,LF

TE Part #1676199-2
RN 0805 15K 0.1% 10PPM 1KRL

TE Part #3-1624112-4
3650 0402 4.7nH 5% 2K RL

TE Part #1-2176329-4
CRGP 1210 120R 1%

TE Part #1-2176329-7
CRGP 1210 220R 1%

TE Part #5787082-7
68 50SR R/A RCPT ASSY,RDSN L/F

Documents

Product Drawings

50 50SR R/A RCPT ASSY,RDSN L/F

English

CAD Files

Customer View Model

ENG_CVM_5787395-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_5787395-5_B.3d_stp.zip

English

Customer View Model

ENG_CVM_5787395-5_B.2d_dxf.zip

English

3D PDF

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



Product Environmental Compliance

Product Compliance

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Product Compliance

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Agency Approvals

UL

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