

5749070-5 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 5749070-5

50 Position D-Shaped Connector, Receptacle, Cable-to-Board,
Board Mount, 1.27 mm [.05 in] Centerline, Printed Circuit Board,
AMPLIMITE 0.50 Series

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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 μ m |
| 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] |
|--------------------|----------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|--------|
| Shielded | Yes |
| Circuit Application | Signal |

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|



Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 10 |
| Packaging Method | Tube |

Product Compliance

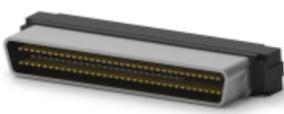
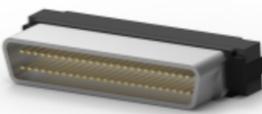
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| 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

| | | | |
|--|---|--|--|
|  <p>TE Part # CAT-AM7-22507 IDC D-Sub: Connector Kit, Plug, Signal, 1.27 mm</p> |  <p>TE Part # 5749699-5 50 50SR CABLE RCPT KIT</p> |  <p>TE Part # 5749210-5 50 50SR CABLE RCPT ASSY</p> |  <p>TE Part # 5749111-4 50 50SR CABLE PLUG ASSY</p> |
|--|---|--|--|

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

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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