

749877-9 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 749877-9

100 Position D-Shaped Connector, Receptacle, Cable-to-Panel,
Panel Mount, 1.27 mm [.05 in] Centerline, Wire & Cable, Signal,
AMPLIMITE 0.50 Series

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Connectors > D-Shaped Connectors > IDC D-Sub: Receptacle Assembly, Panel Mount, Signal, 1.27 mm



Number of Positions: **100**

Connector & Housing Type: **Receptacle**

Connector System: **Cable-to-Panel**

Connector Mounting Type: **Panel Mount**

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

[All IDC D-Sub: Receptacle Assembly, Panel Mount, Signal, 1.27 mm \(11\)](#)

Features

Product Type Features

Connector & Housing Type	Receptacle
Connector System	Cable-to-Panel
Connector Product Type	Connector Assembly
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	100
Number of Rows	2
Compatible With Wire & Cable Type	Ribbon Cable, Round Jacketed Cable

Body Features

Cover Material	Thermoplastic
Shell Plating Material	Tin
Ribbon Cable Centerline Spacing	1.27 mm [.05 in]

Contact Features

Contact Underplating Material	Nickel
Wire Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A
Contact Options	Installed

Termination Features

Termination Cover Method	Assembled
Termination Cover Type	Non Lacing
Termination Cover	With
Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Retention Type	Latch Blocks
Thread Size	4-40
Mounting Feature Plating Material	Nickel over Copper
Mounting Feature Material	Zinc
Mating Retention	With
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

Compatible Insulation Diameter Range	.74 – .91 mm[.029 – .036 in]
Solid Wire Size	30 – 28 AWG
Wire Size	30 – 28 AWG

Usage Conditions

Operating Temperature Range	-55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$]
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Operation/Application

Shielded	No
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Circuit Application

Signal

Industry Standards

UL Flammability Rating

UL 94V-0

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

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 2025 (250)

Candidate List Declared Against: JUNE 2025 (250)

SVHC > Threshold:

Pb (13% in 4690948374)

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 applicable for solder process capability

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>

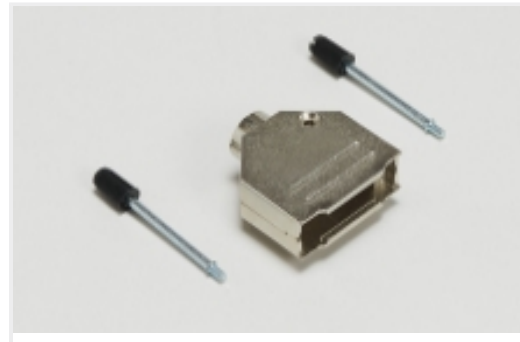
Also in the Series | [AMPLIMITE 0.50 Series](#)



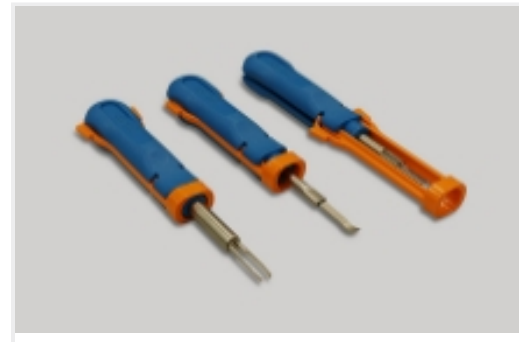
Connector Backshells(20)



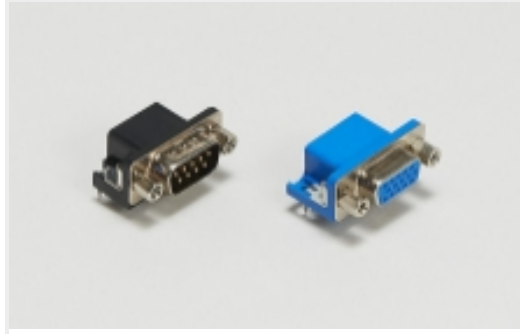
Connector Caps & Covers(20)



D-Sub Backshells & Clamps(20)

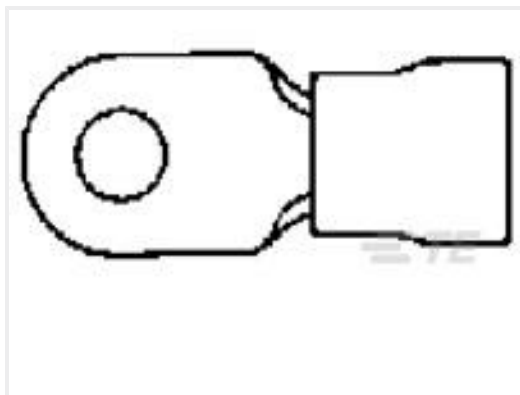


Insertion & Extraction Tools(1)

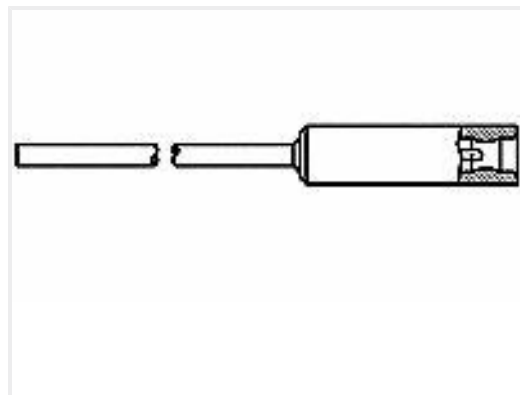


PCB D-Sub Connectors(171)

Customers Also Bought



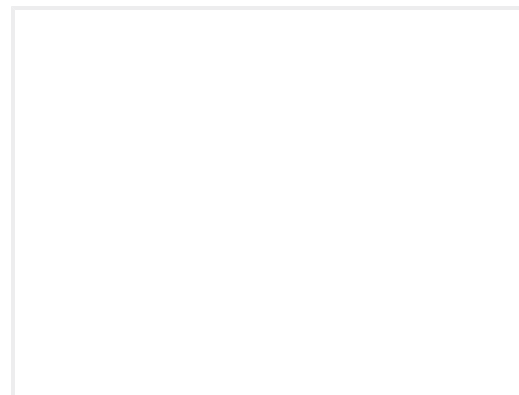
TE Part #53980-1
TERMINAL,R PVF2 PG 4 1/4



TE Part #1218148-1
LGH,MICRO-MIN,RCPT,ASSY,170SER



TE Part #CX0016-000
55/0314-24-9CS3342



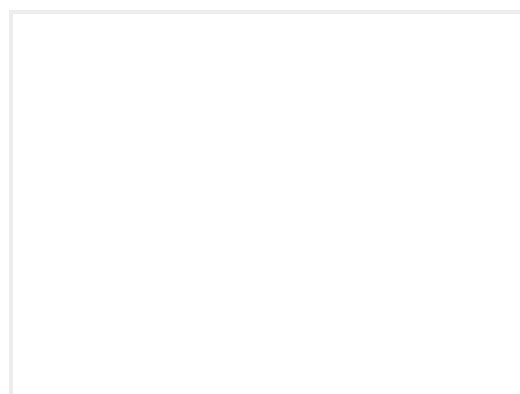
TE Part #EP5831-000
55/0362-22-MSL6CS3329



TE Part #CU9897-000
55/0322-22-6/9CS3329



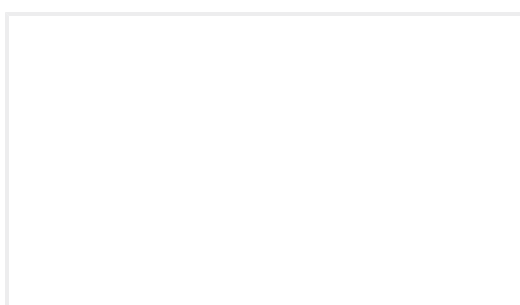
TE Part #CU9006-000
55/0312-22-6CS3329



TE Part #EP5869-000
55/0342-22-3/5/6/9CS3329



TE Part #CU9899-000
55/0332-22-3/6/9CS3329



TE Part #1484171-1
ARINC 600,PIN INSERT ASSY



TE Part #207845-1
PLUG,2 POSN,ECONOSEAL

Documents



Product Drawings

100 50SR PANEL MOUNT RCPT

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_749877-9_M.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_749877-9_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_749877-9_M.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English