5749110-1 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 5749110-1

IDC D-Sub Connectors, Plug, 30 - 28 AWG Solid Wire Size, .05 - .1 mm² Solid Wire Size, Cable-to-Cable, 50 Position, AMPLIMITE 0.50

Series

View on TE.com >



Connectors > D-Shaped Connectors > D-Sub Connectors > IDC D-Sub Connectors > IDC D-Sub: Plug Assembly, Signal, 1.27 mm



Connector & Housing Type: Plug

Solid Wire Size: .05 – .1 mm²

Shielded: No

Connector System: Cable-to-Cable

All IDC D-Sub: Plug Assembly, Signal, 1.27 mm (14)

Features

Product Type Features

Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Assembly
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Number of Positions	50
Number of Rows	2
Compatible With Wire & Cable Type	Round Jacketed Cable
Body Features	
	.025 in
Primary Product Color	Black
Contact Features	
Wire Contact Termination Area Plating Material	Tin
	30 μin
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel

Nickel, Palladium Nickel

Phosphor Bronze

Contact Underplating Material

Contact Base Material



Contact Current Rating (Max)	1 A
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Termination Features

Termination Cover Method	Assembled
Termination Cover	Without
Termination Cover Type	Non Lacing
Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Nylon, Polyester
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Compatible Insulation Diameter (Max)	.91 mm
Compatible Insulation Diameter Range	.74 – .91 mm[.029 – .036 in]
Solid Wire Size	.05 – .1 mm²
Wire Size	$.0509 \text{ mm}^2$

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0	
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Packaging Features

Packaging Quantity	13
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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

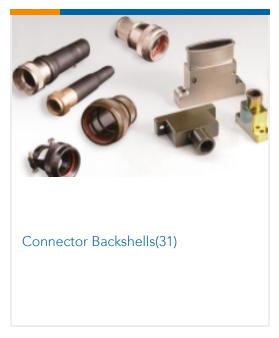
Product Compliance Disclaimer

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

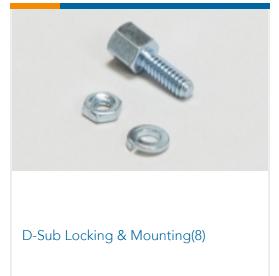
Compatible Parts



Also in the Series | AMPLIMITE 0.50 Series



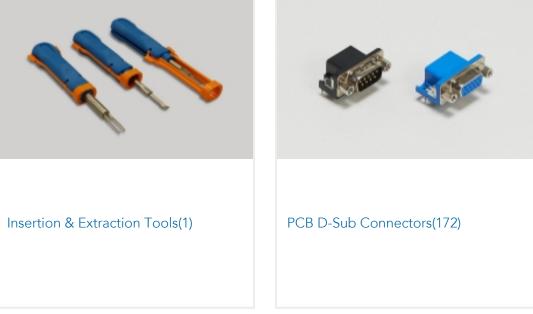












Customers Also Bought













TE Part #1827572-2 DYNAMIC D1000 REC CONT 2L AU 0.38um FORM



TE Part #5745173-5 CABLE CLAMP KIT,SZ 3



TE Part #170780-1 P.G RING UL.CSA(22-18)







Documents

Product Drawings

50 50SR CABLE PLUG SUB-ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5749110-1_B.2d_dxf.zip



English

Customer View Model

ENG_CVM_CVM_5749110-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5749110-1_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Product Specification

English

Agency Approvals

UL

English