749621-8 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series
TE Internal #: 749621-8
IDC D-Sub Connectors, Plug, 30 – 28 AWG Solid Wire Size, .05 – .1 mm² Solid Wire Size, Shielded, Cable-to-Cable, 80 Position, AMPLIMITE 0.50 Series

View on TE.com >

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

Connector & Housing Type: **Plug**

Solid Wire Size: **.05 – .1 mm²**

Shielded: **Yes**

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

All IDC D-Sub: Connector Kit, Plug, Signal, 1.27 mm (21)

Features

Product Type Features

Rails	Without
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Product Type	Connector Kit
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	80
Number of Rows	2
Compatible With Wire & Cable Type	Round Jacketed Cable

Body Features

Color	Black
	.025 in
Cover Material	Thermoplastic
Plug Shell Plating Material	Tin-Nickel Alloy
Plug Shell Material	Steel
Shell Material	Steel
Shell Plating Material	Tin over Copper

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Contact Features

Contact Type	Pin
	30 µin
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
Contact Underplating Material	Nickel, Palladium Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Termination Cover Type	Standard
Termination Cover Method	Unassembled
Termination Cover	Without
Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Connector Lock	Without
Mounting Angle	None
Panel Mount Feature	Without
PCB Mount Retention Type	None
Detent	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Thermoplastic
Housing Color	Black
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Insulation Diameter (Max)	.91 mm
Accepts Wire Insulation Diameter Range	.74 mm[.029 – .036 in]
Solid Wire Size	.05 – .1 mm²
Wire Size	.05 – .09 mm²

Usage Conditions

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

Operation/Application

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Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Cover Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box
Packaging Quantity	9

Other

Comment	Plug connector requires backshell kit for complete assembly

Product Compliance

For compliance documentation, visit the product page on TE.com>

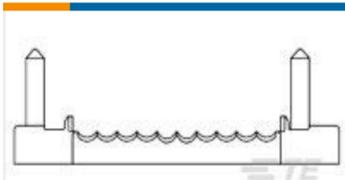|	
EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUN 2013 (144) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

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Compatible Parts

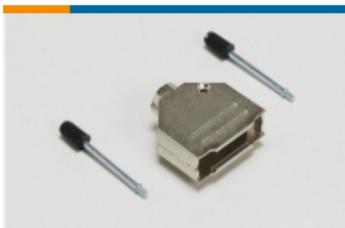TE Part # 749108-7

80 50SR CBL CONN TERM COVER

TE Part # 853240-1

STD PLUG & RECPT HOLDER ASSY

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(76)

Insertion & Extraction Tools(1)

PCB D-Sub Connectors(191)

Documents

Product Drawings
80 50S CABLE PLUG CONN/COV KIT

English

CAD Files
Customer View Model
ENG_CVM_749621-8_W.2d_dxf.zip

English

3D PDF

English

Customer View Model
ENG_CVM_749621-8_W.3d_igs.zip

English

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Customer View Model

ENG_CVM_749621-8_W.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Instruction Sheets

Customer Manual (U.S.)

English

Agency Approvals

UL

English