

5390377-5 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 5390377-5

IDC D-Sub Connectors, Plug, 32 – 30 AWG Solid Wire Size, .03 – .05 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



Connector & Housing Type: **Plug**

Solid Wire Size: **.03 – .05 mm²**

Shielded: **No**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	50
Number of Rows	2
Compatible With Wire & Cable Type	Flat Ribbon Cable

Body Features

Bracket Material	Zinc
Color	Black
Bracket Plating Material	Nickel
Ribbon Cable Centerline Spacing	.64 mm[.025 in]



Shell Material	Zinc Die Cast
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Shell Plating Material	Nickel
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Contact Features

	30 μin
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Contact Mating Area Plating Material	Gold
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	1 A
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Termination Features

Termination Cover	With
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Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

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

Housing Material	PBT
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Housing Color	Black
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Centerline (Pitch)	.64 mm [.025 in]
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Dimensions

Solid Wire Size	.03 – .05 mm ²
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Wire Size	.03 mm ² , .05 mm ²
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Usage Conditions

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

Shielded	No
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Tray, Tray
Packaging Quantity	600

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 2022 (224) Candidate List Declared Against: JUN 2016 (169) 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

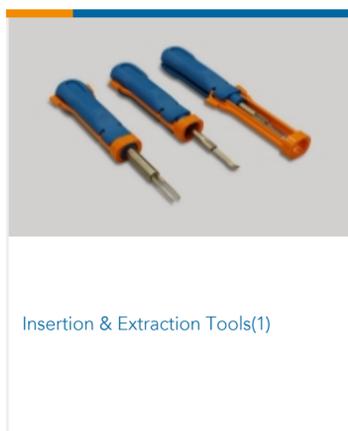
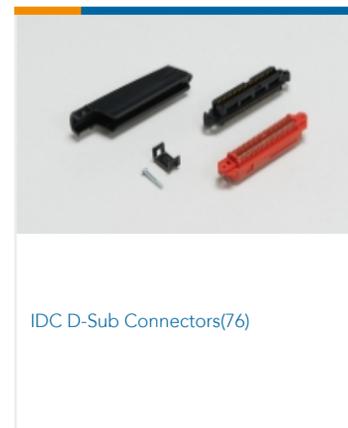
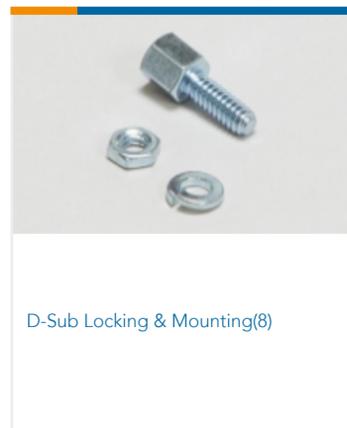
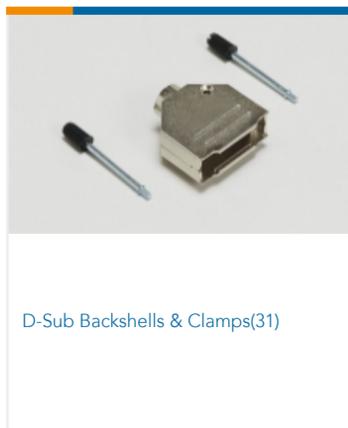
Product Compliance Disclaimer

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**



Documents

Product Drawings

50 POS A/P PLUG 25 CL 30AU

English

CAD Files

3D PDF

3D

Customer View Model



[ENG_CVM_CVM_5390377-5_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5390377-5_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5390377-5_O.3d_stp.zip](#)

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

Instruction Sheets

[Customer Manual \(U.S.\)](#)

English