

5-749879-5 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

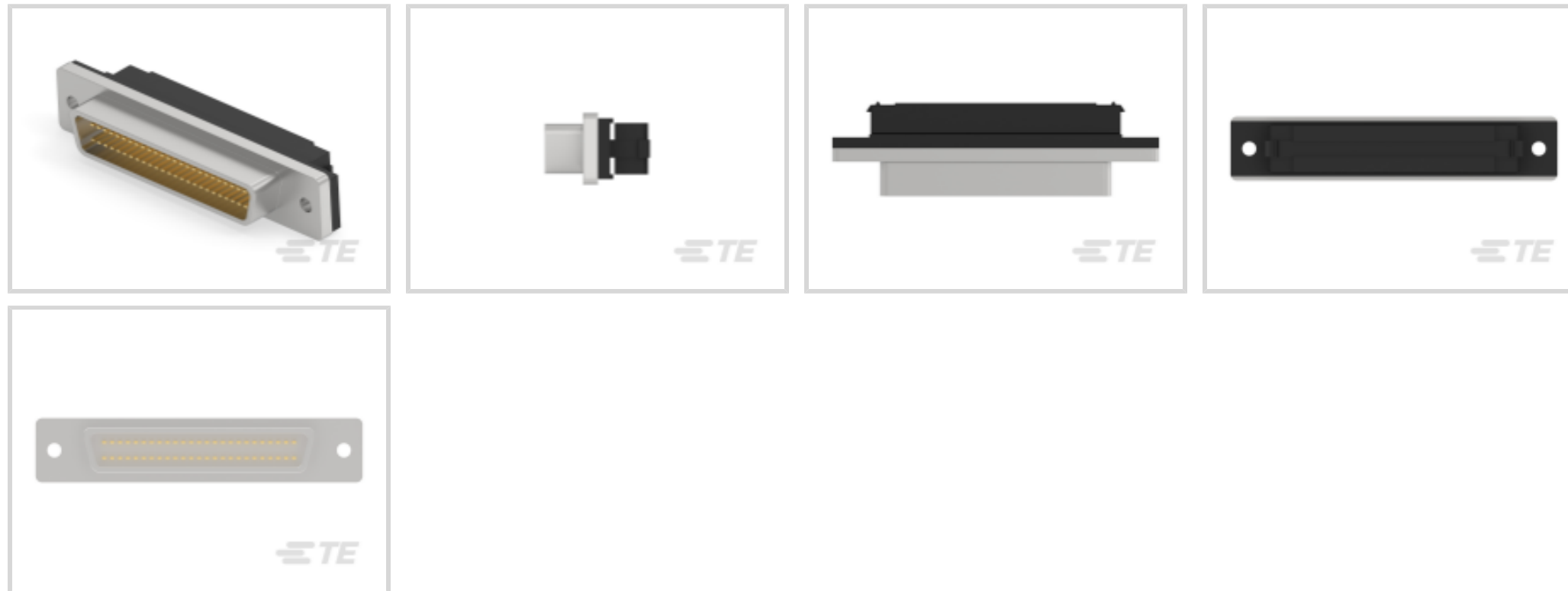
TE Internal #: 5-749879-5

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

[View on TE.com >](#)



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



Connector & Housing Type: **Plug**

Solid Wire Size: **.05 – .1 mm²**

Shielded: **No**

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

[All IDC D-Sub: Plug Assembly, Panel Mount, Signal, 1.27 mm \(4\)](#)

Features

Industry Standards

UL Flammability Rating	UL 94V-0
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Termination Features

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

Body Features

Cover Material	Thermoplastic
Ribbon Cable Centerline Spacing	1.27 mm [.025 in]
Primary Product Color	Black

Packaging Features

Packaging Quantity	10
Packaging Method	Tube



Mechanical Attachment

Mating Retention Type	Latch Blocks
Mounting Feature Plating Material	Nickel over Copper
Mounting Feature Material	Zinc
Mating Retention	With
Connector Mounting Type	Panel Mount

Contact Features

Contact Underplating Material	Palladium Nickel
Wire Contact Termination Area Plating Material	Tin
Contact Options	Installed
Contact Mating Area Plating Material	Gold or Gold Flash
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Housing Features

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

Operation/Application

Circuit Application	Signal
Shielded	No

Dimensions

Compatible Insulation Diameter Range	.74 – .91 mm[.029 – .036 in]
Compatible Insulation Diameter (Max)	.91 mm
Solid Wire Size	.05 – .1 mm ²
Wire Size	30 AWG, 28 AWG

Product Type Features

Connector & Housing Type	Plug
Connector System	Cable-to-Panel
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	Ribbon Cable, Round Jacketed Cable
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Usage Conditions

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

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

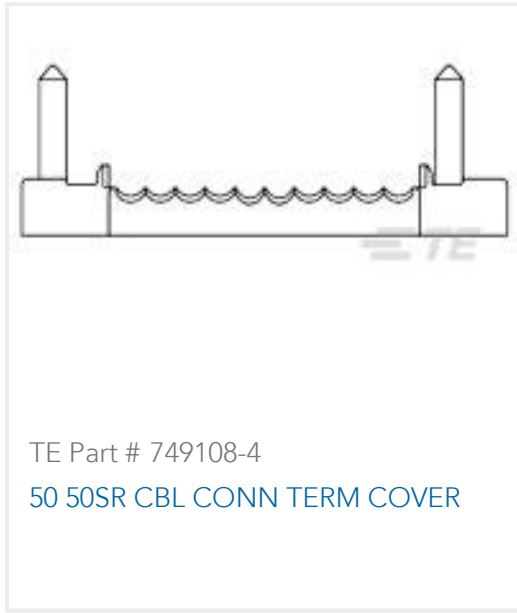
[For compliance documentation, visit the product page on TE.com>](#)

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 2024 (241) Candidate List Declared Against: JAN 2021 (211) 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

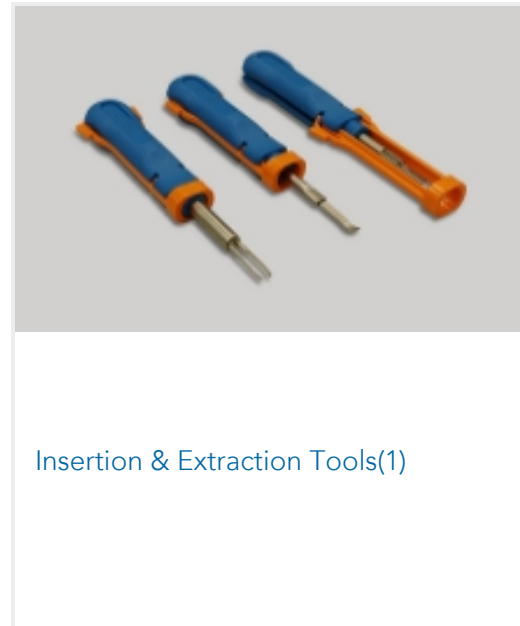
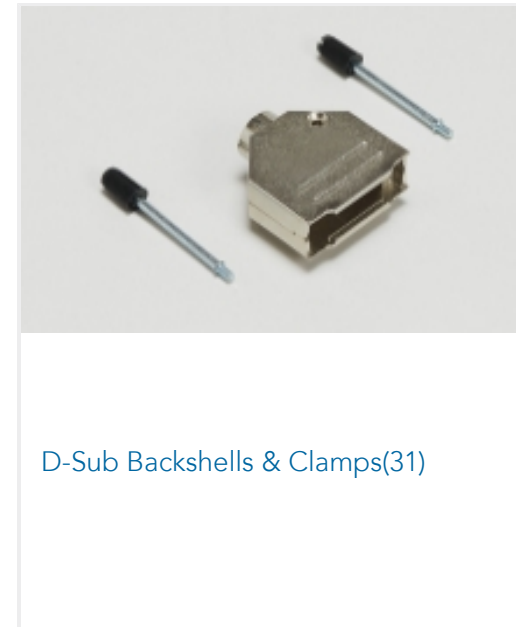
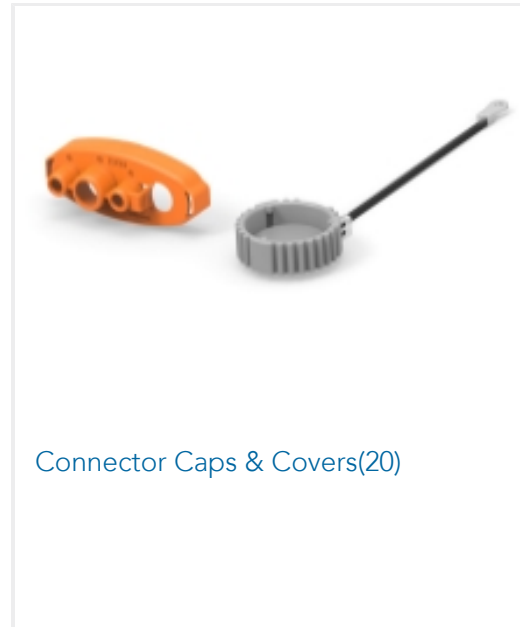
Product Compliance Disclaimer

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>

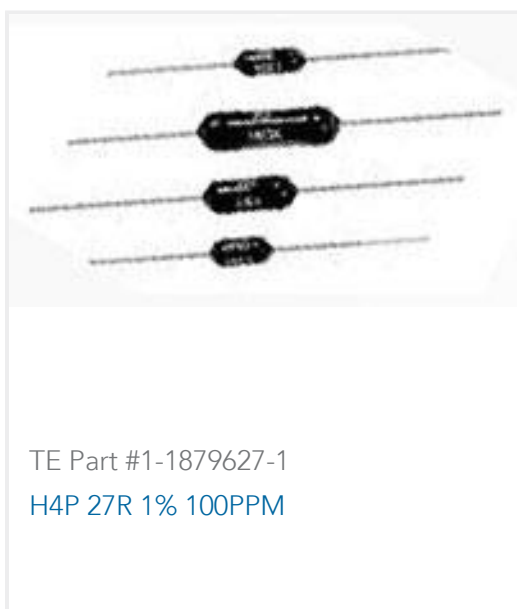
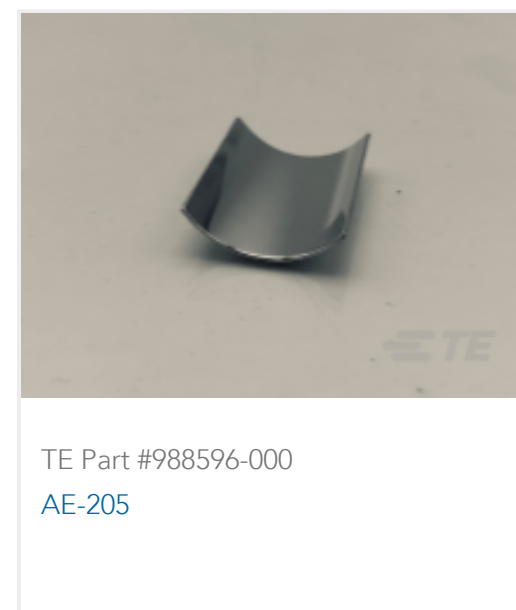
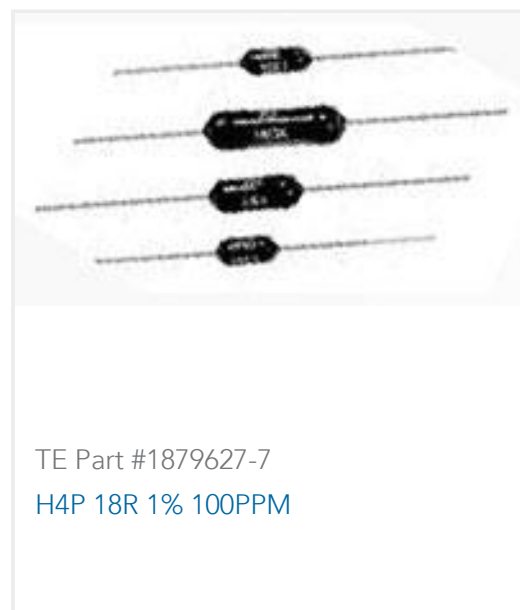
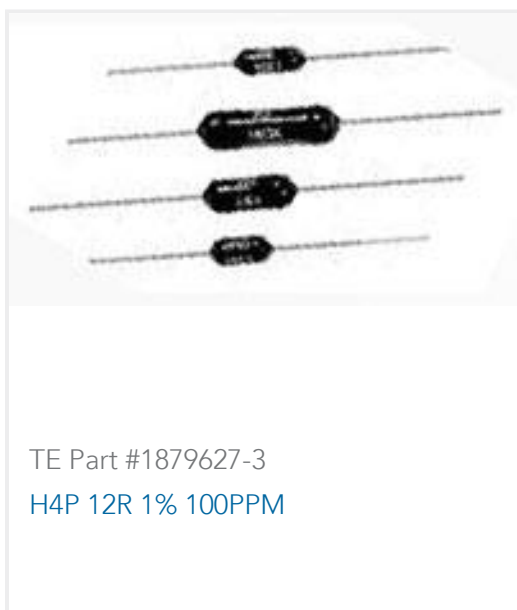
Compatible Parts



Also in the Series | AMPLIMITE 0.50 Series



Customers Also Bought





Documents

Product Drawings

[50 50SR PNL MNT PLUG ASSY, ROHS](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_5-749879-5_J1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-749879-5_J1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-749879-5_J1.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_5-749879-5_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5-749879-5_J.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_5-749879-5_J.2d_dxf.zip](#)

English

[3D PDF](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English

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