

1-747944-6 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HDE

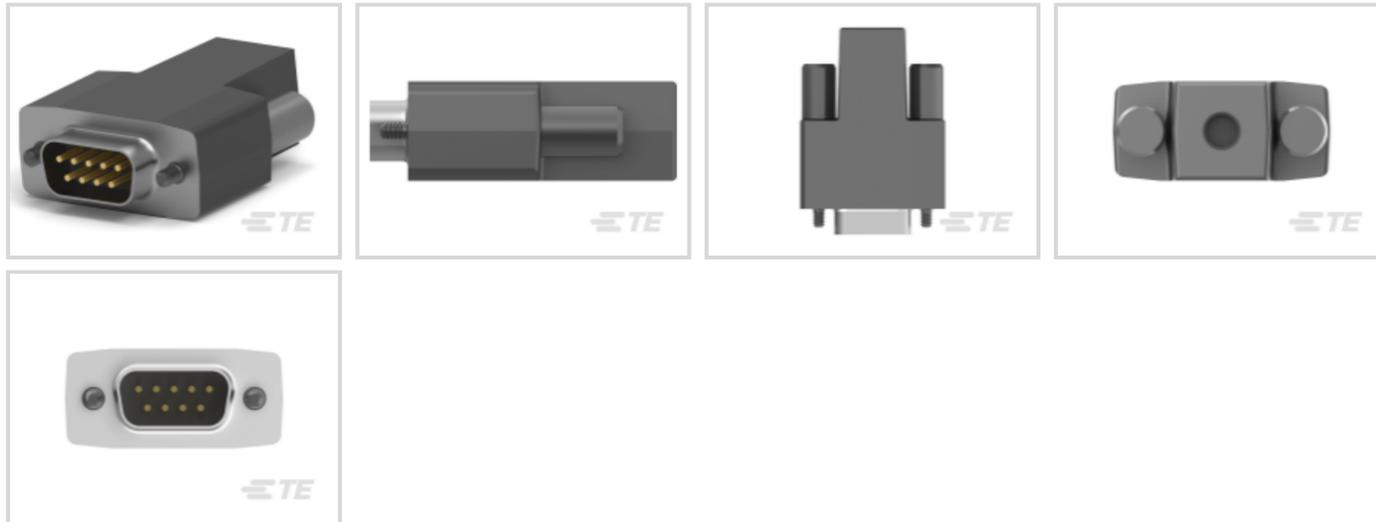
TE Internal #: 1-747944-6

9 Position D-Shaped Connector, Plug, Cable-to-Cable, Cable Mount (Free-Hanging), Shell Size 1, 2.77 mm [.109 in] Centerline, AMPLIMITE HDE

[View on TE.com >](#)



Connectors > D-Shaped Connectors > IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm



Number of Positions: 9

Connector & Housing Type: Plug

Connector System: Cable-to-Cable

Connector Mounting Type: Cable Mount (Free-Hanging)

Connector Shell Size: 1

[All IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm \(6\)](#)

Features

Product Type Features

Ground Feature Type	Grounding Indents
Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Cable-to-Cable
Connector Shell Size	1
Connector Product Type	Connector Kit
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	9
Number of Rows	2
Compatible With Wire & Cable Type	Discrete Wire, Round Jacketed Cable

Body Features



Shield Plating Material	Tin
Insert Material	Thermoplastic
Shield Material	Steel
Shell Plating Material	Tin
Cable Exit Angle	180 °
Mating Retention Feature Material	Zinc Alloy

Contact Features

Contact Underplating Material	Nickel
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold Flash
Contact Base Material	Phosphor Bronze
Contact Type	Pin
Contact Size	Size 20
Contact Current Rating (Max)	5 A
Contact Options	Installed

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
------------------------------------	-------------------------------

Mechanical Attachment

Mating Retention Type	Jackscrew
Thread Size	4-40
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Shell Material	Steel
Centerline (Pitch)	2.77 mm [.109 in]

Dimensions

Compatible Cable Insulation Diameter Range	4.83 – 9.53 mm [.19 – .375 in]
Compatible Insulation Diameter Range	1.52 mm [.06 in]
Solid Wire Size	26 – 22 AWG
Compatible Cable Diameter (Max)	9.53 mm [.375 in]
Wire Size	26 – 22 AWG

Usage Conditions



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

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	1
Packaging Method	Package

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) 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



TE Part # CAT-025-DRAVS1274
D-Sub Receptacle Assembly: Vertical, Shell Size 1, 2.74mm



TE Part # 747516-9
KIT, RCPT, 9P, HDE, SHLD HDWRE



TE Part # 1-745491-8
09 HDE MS RCPT, 22-26, LEAD FREE



TE Part # 1-747943-7
KIT, RCPT, 9P, HDE, SHLD ENCLSRE



TE Part # 608868-1
HDE HT PKG FOR SUB D



TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 747513-8
OVMOLD PLUG, SZ 1, LEAD FREE

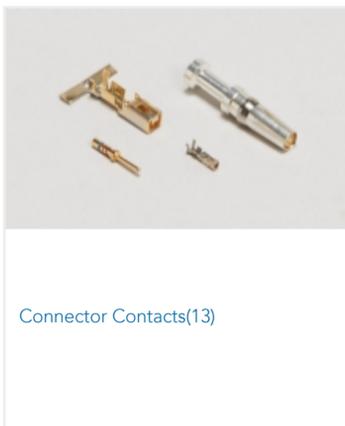


TE Part # CAT-023-DRARS1274
D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm

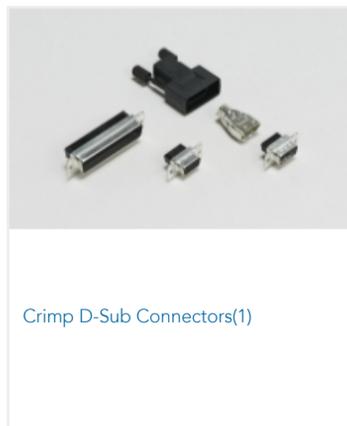


TE Part # 5745183-2
09 RCPT SP/MS STD

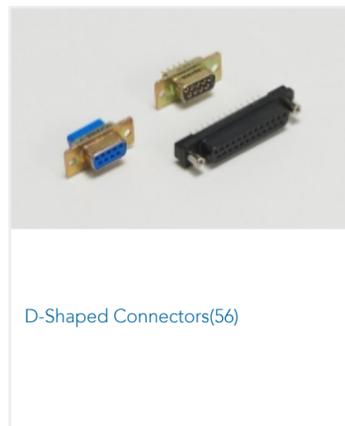
Also in the Series | **AMPLIMITE HDE**



Connector Contacts(13)



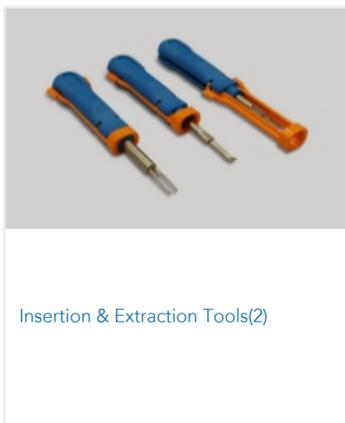
Crimp D-Sub Connectors(1)



D-Shaped Connectors(56)



IDC D-Sub Connectors(55)

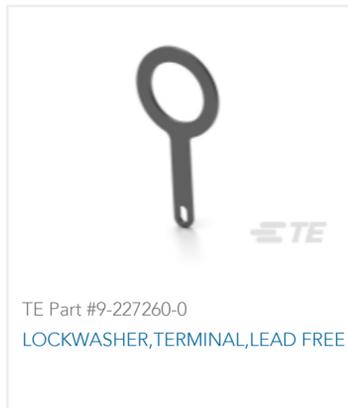


Insertion & Extraction Tools(2)



Panel Mount D-Sub Connectors(8)

Customers Also Bought



Documents

Product Drawings

[KIT,PLUG,9P,HDE,SHLD ENCLSRE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-747944-6_R_c-1-747944-6-r.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-747944-6_R_c-1-747944-6-r.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-747944-6_R_c-1-747944-6-r.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 - Cable Connectors](#)

English

[AMPLIMITE Cable Connectors and Shielding Hardware Kits QRG](#)

English

[Product Specifications](#)

[Application Specification](#)

English

[Application Specification](#)

English

[Instruction Sheets](#)

[Instruction Sheet \(U.S.\)](#)

English

[Instruction Sheet \(U.S.\)](#)

English

[Agency Approvals](#)

[UL Report](#)

English