



Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm



Number of Positions: 9

Connector & Housing Type: Plug

Connector System: Board-to-Board

Connector Mounting Type: Board Mount

Connector Shell Size: 1

[All D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm \(28\)](#)

Features

Product Type Features

Ground Feature Type	Grounding Indents
Shell Material Configuration	Full Metal Shell
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	1
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Rows	2
Number of Positions	9

Body Features

Insert Material	Thermoplastic
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel
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	30 µin
Contact Shape & Form	Square
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	6 A
Contact Options	Installed

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	4.78 mm[.188 in]
Square Termination Post & Tail Dimension	.63 mm[.025 in]

Mechanical Attachment

PCB Mount Retention	Without
Mounting Hole Diameter	3.05 mm[.12 in]
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Row-to-Row Spacing	2.84 mm[.112 in]
PCB Thickness (Recommended)	2.36 – 3.18 mm[.093 – .125 in]

Usage Conditions

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

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

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Packaging Quantity	17
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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

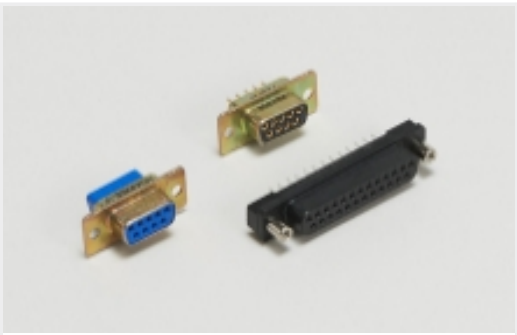
TE Part # 1-747943-5
KIT,RCPT,9P,HDE,SHLD ENCLSRE

TE Part # CAT-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

TE Part # CAT-AM7-248H8
IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.74 mm

TE Part # 747516-7
09 HDE PMOLD RCPT, LEAD FREE

Also in the Series | **AMPLIMITE HD-20**



[D-Shaped Connectors\(285\)](#)



[PCB D-Sub Connectors\(285\)](#)

Customers Also Bought



TE Part #2-1419106-7
[27E895=SOCKET,K10,8,QC,POLY, DINRAIL](#)



TE Part #5745563-3
[HD KIT,SCREWLOCK](#)



TE Part #5557969-1
[MJ,TE,8P/8C,SHLD,PNL STOPS&G](#)



TE Part #1612618-4
[SEMI-HARD TRAY DDR2 SODIMM SOCKET 200P 9](#)



TE Part #1-770174-1
[04P MINI UMNL ASSY VO SNAU LF](#)



TE Part #5-1393144-7
[K10P-11D15-24=K10/K20](#)



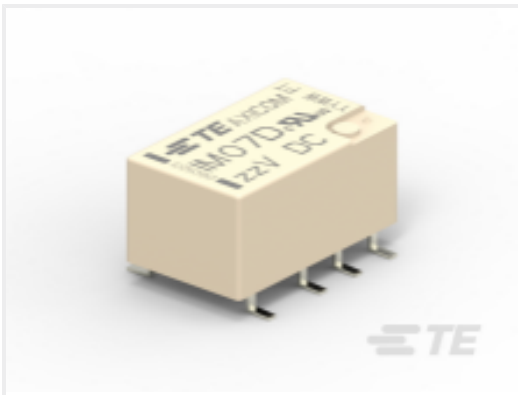
TE Part #5-747909-2
[15 Rcpt Solder Cup, Gold Flash](#)



TE Part #9-1393211-0
[T92S11D12-24](#)



TE Part #1-770174-0
[04P MINI-UMNL ASSY V0 SNNI*](#)



TE Part #3-1462039-7
[IM07DGR=IM RELAY 200mW 24V](#)

Documents

Product Drawings

[09 PLUG SP/MS STD](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5745410-7_B.2d_dxf.zip](#)

5745410-7

9 Position D-Shaped Connector, Plug, Board-to-Board, Board Mount, 1 Shell Size, 2.77 mm [.109 in] Centerline, Printed Circuit Board, AMPLIMITE HD-20



English

Customer View Model

[ENG_CVM_CVM_5745410-7_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5745410-7_B.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 - Straight Posted Connectors](#)

English

Product Specifications

[Application Specification](#)

English