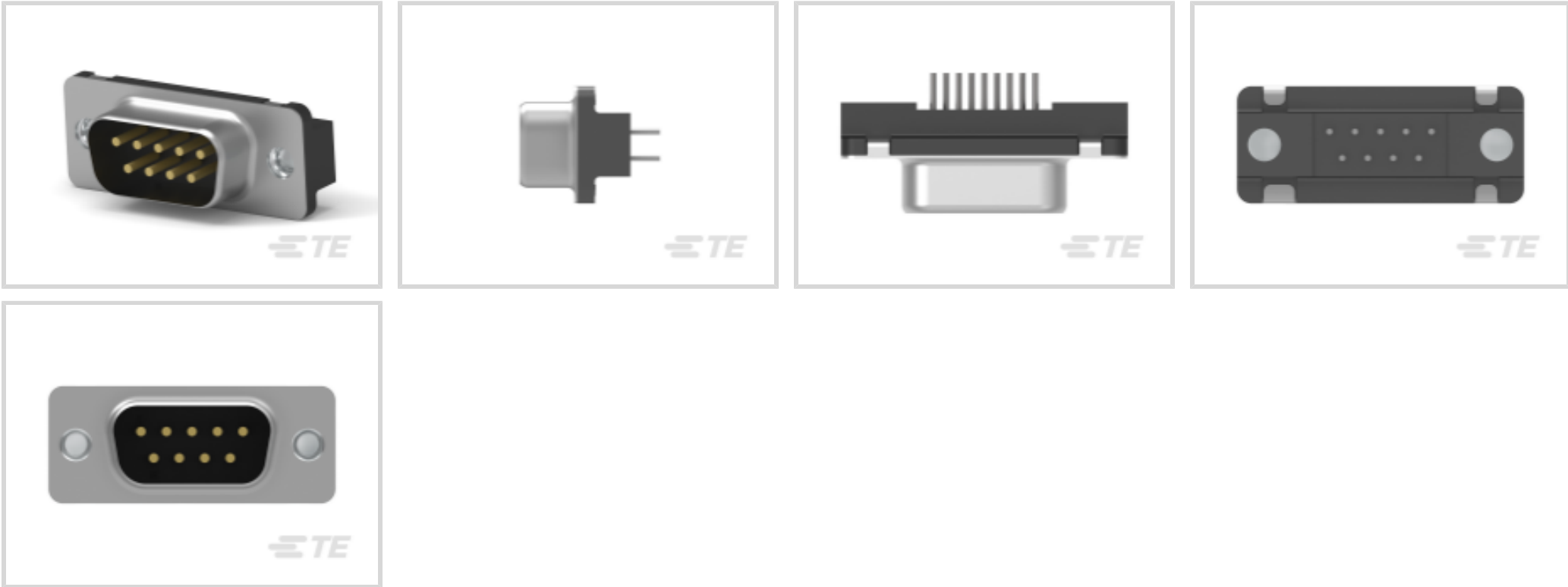




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm



Connector & Housing Type: **Plug**

Connector System: **Board-to-Board**

Number of Positions: **9**

Centerline (Pitch): **2.74 mm [.108 in]**

Number of Rows: **2**

[All D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm \(47\)](#)

Features

Contact Features

	30 µin
Contact Shape & Form	Round
Contact Current Rating (Max)	6 A
Contact Underplating Material	Palladium Nickel
Contact Options	Installed
Contact Mating Area Plating Material	Gold Flash, Gold
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin-Lead

Product Type Features

Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	1
Connector & Contact Terminates To	Printed Circuit Board



Ground Feature Type	Grounding Indents
Shell Material Configuration	Front Metal Shell

Configuration Features

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

Housing Features

Centerline (Pitch)	2.74 mm[.108 in]
Housing Material	Thermoplastic
Shell Material	Carbon Steel

Dimensions

Row-to-Row Spacing	2.84 mm[.112 in]
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]

Body Features

Connector Profile	Standard
Insert Material	Brass
Shell Plating Material	Tin
Mating Retention Feature Material	Brass
Primary Product Color	Black

Mechanical Attachment

PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Threaded Insert, 4-40 UNC
Connector Mounting Type	Board Mount
Mounting Hole Diameter	3.05 mm[.12 in]

Operation/Application

Circuit Application	Signal
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Usage Conditions

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

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EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

Termination Features

Termination Post & Tail Diameter	.66 mm[.026 in]
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.18 mm[.125 in]

Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476

Packaging Features

Packaging Quantity	17
Packaging Method	Tube

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 # CAT-AM7-248H6
IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm

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

PCB D-Sub Connectors(353)

Customers Also Bought

TE Part #1-5499913-0
A/L UNIV HDR 50P RA SHT LAT

TE Part #1-2199299-5
40P,DIP SKT,600 CL,LDR,PB FREE

TE Part #5745057-4
HD-20 RCPT 15P VERT THD INS

TE Part #6450543-6
MBXL VERT RCPT 3ACP

TE Part #5-104363-3
04 MTE HDR SRST LATCH .100CL

TE Part #6450123-3
MBXL R/A HDR 3ACP+0P

TE Part #103638-1
02 MTE HDR SRST LATCH .100CL

TE Part #1-1658621-0
50 NOVO MIL/CTR 15DP,LEAD FREE



Documents

Product Drawings

[09 PLUG SP/FMS INSRT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_747871-8_P.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_747871-8_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_747871-8_P.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