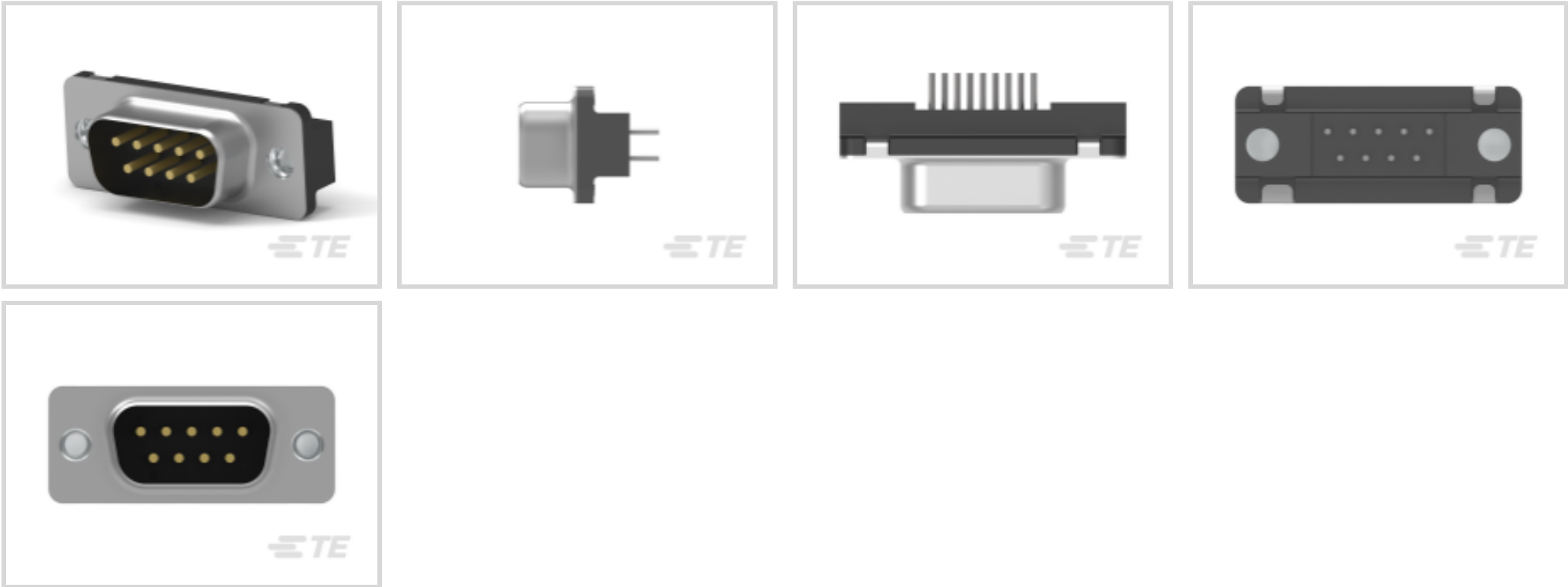




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm



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 \(50\)](#)

Features

Product Type Features

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

Configuration Features

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

Body Features

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

Contact Features

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

Termination Features

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

Mechanical Attachment

Mounting Hole Diameter	3.05 mm[.12 in]
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

Housing Features

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

Dimensions

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

Usage Conditions

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

Circuit Application	Signal
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Industry Standards

Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	17
Packaging Method	Tube

Other

D-Shaped Connectors Comment	Plugs are preloaded with size 20 DF posted pin contacts
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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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

<p>TE Part # CAT-AM7-248H6 IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm</p>	<p>TE Part # CAT-AM7-253 IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm</p>	<p>TE Part # CAT-AM7-248H8 IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.74 mm</p>	<p>TE Part # 747516-7 09 HDE PMOLD RCPT, LEAD FREE</p>
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Also in the Series | AMPLIMITE HD-20

PCB D-Sub Connectors(353)

Customers Also Bought

<p>TE Part #6609037-1 3EP1=F7169 S0</p>	<p>TE Part #1-5499913-0 A/L UNIV HDR 50P RA SHT LAT</p>	<p>TE Part #5745968-8 HD-20 25 PLUG SP/FMS INSRT</p>	<p>TE Part #3-647168-3 03P MTA100 HDR ASSY SM 30AU LF</p>
<p>TE Part #3-641209-3 03P MTA156 HDR ASSY FL ST LF</p>	<p>TE Part #5-104363-3 04 MTE HDR SRST LATCH .100CL</p>	<p>TE Part #640388-3 03P MTA156 HDR ASSY RN STR F/L</p>	<p>TE Part #103638-1 02 MTE HDR SRST LATCH .100CL</p>



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

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Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English