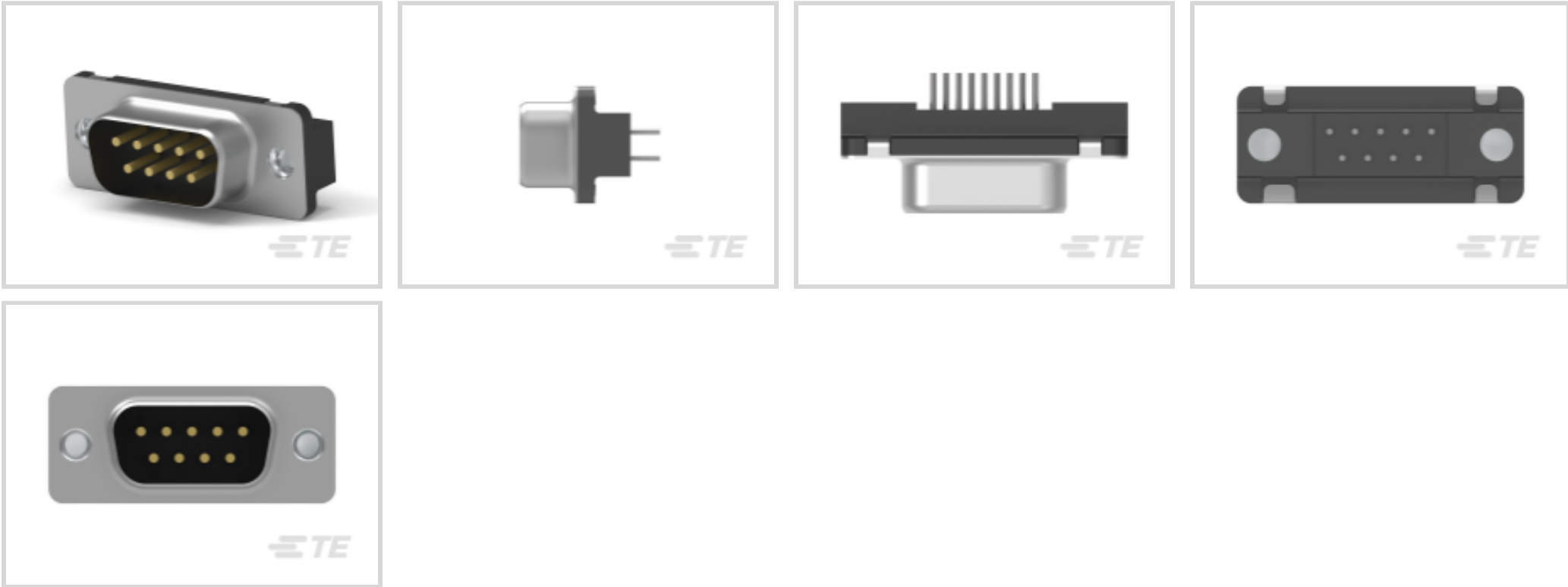




Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm



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

Contact Features

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

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]

Mechanical Attachment

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

Housing Features

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

Dimensions

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

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690948374) 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>




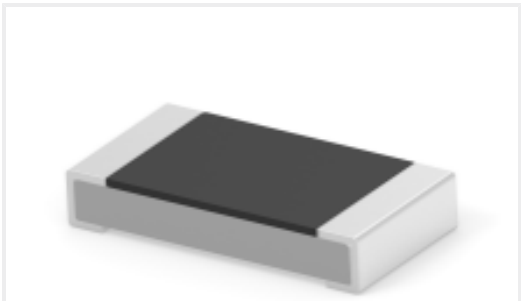


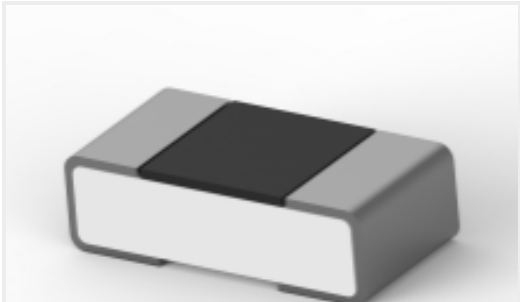
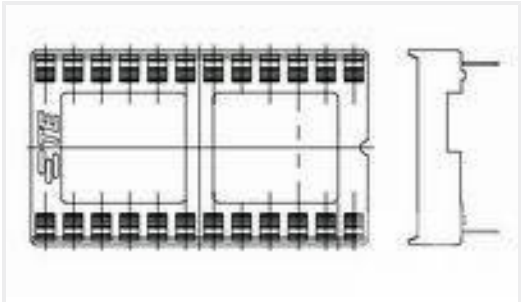

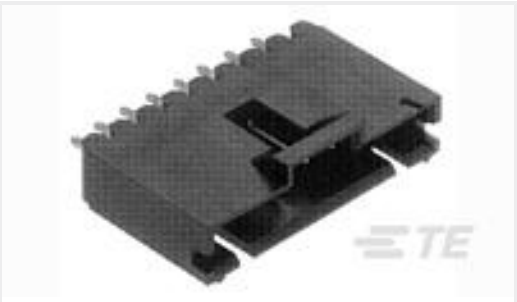
Compatible Parts

 <p>TE Part # CAT-AM7-248H8 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>	 <p>TE Part # 1-747943-5 KIT,RCPT,9P,HDE,SHLD ENCLSRE</p>	 <p>TE Part # CAT-AM7-253 IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm</p>
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Also in the Series | [AMPLIMITE HD-20](#)

 <p>D-Shaped Connectors(285)</p>	 <p>PCB D-Sub Connectors(285)</p>
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Customers Also Bought

 <p>TE Part #1-5499913-0 A/L UNIV HDR 50P RA SHT LAT</p>	 <p>TE Part #2176392-8 RQ 1206 158K 0.1% 10PPM 5K RL</p>	 <p>TE Part #5-1437567-0 MPG106F=(MSPG) SWITCH PUSHBUTT</p>	 <p>TE Part #6450543-6 MBXL VERT RCPT 3ACP</p>
 <p>TE Part #3-2176362-5 RQ 0402 90R9 0.1% 10PPM 5K RL</p>	 <p>TE Part #1-2199299-5 40P,DIP SKT,600 CL,LDR,PB FREE</p>	 <p>TE Part #1-1658621-0 50 NOVO MIL/CTR 15DP,LEAD FREE</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