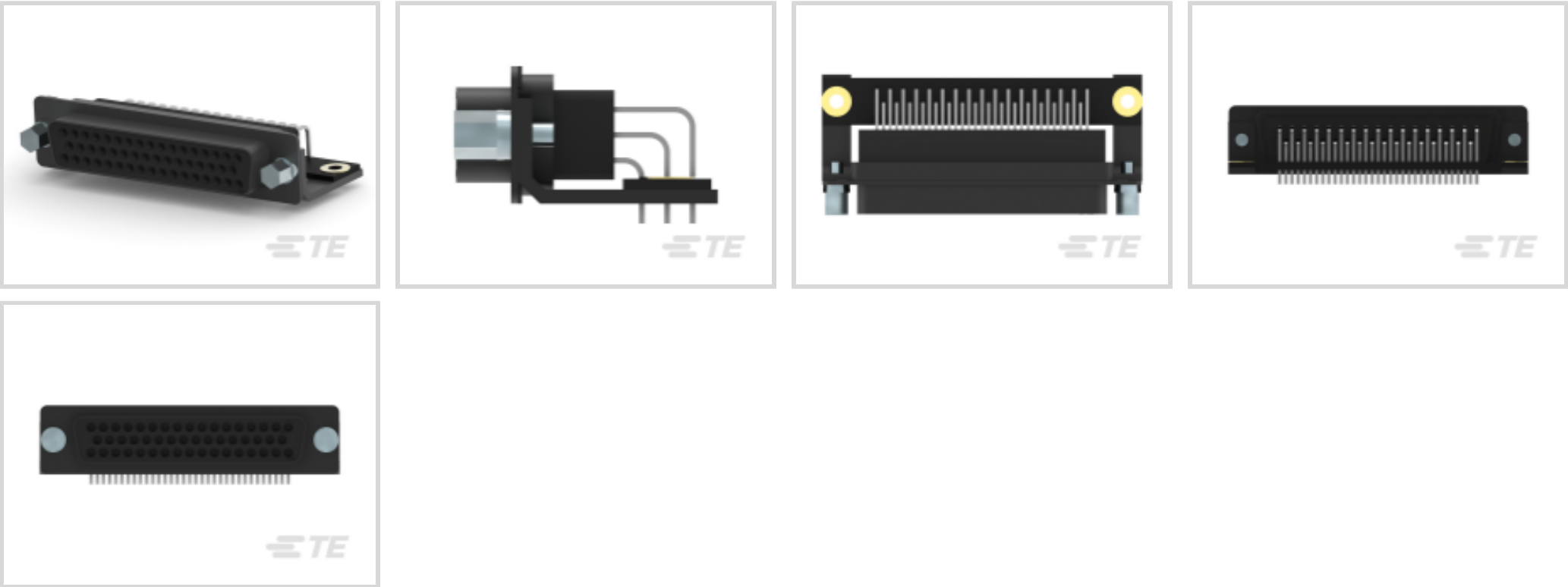




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector & Housing Type: **Receptacle**

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

Number of Positions: **50**

Centerline (Pitch): **2.77 mm [ .109 in ]**

Number of Rows: **3**

Features

Product Type Features

Grounding Indents	Without
Grounding Straps	Without
Footprint	13.84 mm[.545 in]
Shell Type	Full Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
D-Sub Shell Size	5
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector

Configuration Features

Number of Positions	50
Number of Rows	3
PCB Mount Orientation	Right Angle



Preloaded	Yes
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Body Features

Female Screwlock Material	Steel
Plastic	No
Insert Material	Thermoplastic
Female Screwlock Plating Material	Zinc
Connector Profile	High
Shell Plating Material	Tin
Shell Material	Carbon Steel
Post Size	.64 mm[.025 in]

Contact Features

Contact Mating Area Plating Material	Gold, Gold Flash
Contact Underplating Material	Nickel, Palladium Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Shape & Form	Square
Contact Current Rating (Max)	6 A
	30 μin

Termination Features

Grounding Clips	Without
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	3.18 mm[.125 in]

Mechanical Attachment

Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Female Screwlocks, 4-40 UNC
Connector Mounting Type	Board Mount
Mounting Hole Diameter	3.05 mm[.12 in]

Housing Features

Centerline (Pitch)	2.77 mm[.109 in]
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Housing Material	Nylon GF, PBT GF
Housing Color	Black

Dimensions

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

Usage Conditions

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

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Method	Tube
Packaging Quantity	17

Other

Comment	All receptacles are preloaded with size 20 DF posted socket contacts
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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 2021 (211) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (.35% in Component Part) <small>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.</small>
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-H3  
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



TE Part # 206509-1  
SIZE 20 KEYING PLUG

Also in the Series | AMPLIMITE HDP



D-Sub Connector Contacts(6)



PCB D-Sub Connectors(88)

Customers Also Bought



TE Part #1-5499922-2  
AMP-LATCH UNIVERSAL HEADERS



TE Part #207496-9  
SKT HDR ASSY,4P,MMATE LF



TE Part #1051639-1  
2031 5002 02



TE Part #1676246-2  
RN 0805 1K96 0.1% 10PPM 1KRL



Documents

Product Drawings  
50 RCPT RA/MS STD (SL)

English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_5747193-2\_A.2d\_dxf.zip

English

Customer View Model  
ENG\_CVM\_CVM\_5747193-2\_A.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_5747193-2\_A.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 - Right-Angle Posted Connectors

English

Product Specifications  
Application Specification

English

Product Environmental Compliance  
TE Material Declaration



English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English