



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Right Angle, Shell Size 4, 2.77mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **37**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Right Angle, Shell Size 4, 2.77mm \(20\)](#)

Features

Product Type Features

Grounding Indents	Without
Grounding Straps	With
Footprint	8.08 mm[.318 in]
Shell Type	Front Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
D-Sub Shell Size	4
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector

Configuration Features

Number of Positions	37
Number of Rows	2



PCB Mount Orientation	Right Angle
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Preloaded	Yes
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Body Features

Eyelet Material	Brass
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Eyelet Plating Material	Tin
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Plastic	No
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Insert Material	Zinc
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Connector Profile	Standard
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Shell Plating Material	Tin
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Shell Material	Carbon Steel
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.026 in

Contact Features

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

Termination Features

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

Threaded Insert Material	Zinc
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Threaded Insert Plating Material	Clear Chromate
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PCB Mount Alignment	With
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Panel Mount Feature	Without
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PCB Mount Retention	With
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PCB Mount Retention Type	Boardlock
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Mating Retention	With
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Mating Retention Type	Threaded Inserts
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Connector Mounting Type	Board Mount
Boardlock Plating Material	Tin
Mounting Hole Diameter	3.18 mm
Boardlock Material	Copper Alloy

Housing Features

Centerline (Pitch)	2.74 mm[.108 in]
Housing Material	Thermoplastic
Housing Color	Black

Dimensions

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

Usage Conditions

High Temperature Housing	Yes
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box
Packaging Quantity	52

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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # CAT-AM7-H3
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm

TE Part # CAT-023-DPARS4274
D-Sub Plug Assembly: Standard, Right Angle, Shell Size 4, 2.74mm

TE Part # CAT-AM7-248H4
IDC D-Sub: Connector Kit, Plug, Wire to Wire, Signal, 2.77 mm

TE Part # CAT-AM7-248H3
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm

TE Part # 206509-1
SIZE 20 KEYING PLUG

Documents

Product Drawings
37 HTMSFL ASSY RA 318 (IN,BL)
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_5788802-1_B.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_5788802-1_B.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_5788802-1_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 - 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