



Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Standard, Right Angle, Shell Size 4, 2.74mm



Number of Positions: 37

Connector & Housing Type: Plug

Connector System: Board-to-Board

Connector Mounting Type: Board Mount

Connector Shell Size: 4

[All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 4, 2.74mm \(13\)](#)

Features

Product Type Features

Ground Feature Type	Grounding Indents, Grounding Straps
Shell Material Configuration	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	4
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Rows	2
Number of Positions	37

Body Features

Assembly Process Feature Material	Copper Alloy
Insert Material	Zinc
Shell Plating Material	Tin
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
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

PCB Mount Retention	With
Mounting Feature Plating Material	Tin over Copper Flash
Mounting Feature Material	Brass
Mounting Hole Diameter	3.18 mm[.125 in]
Mating Retention	Without
PCB Mount Retention Type	Boardlock
PCB Mount Alignment	With
Assembly Process Feature Plating Material	Tin over Nickel
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Nylon, Polyester
Shell Material	Carbon Steel
Centerline (Pitch)	2.77 mm[.109 in]

Dimensions

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

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	52
Packaging Method	Tray

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

TE Part # CAT-023-DRARS4277
D-Sub Receptacle Assembly: Right Angle, Shell Size 4, 2.77mm

TE Part # CAT-AM7-248H5
IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.77 mm

Also in the Series | **AMPLIMITE HD-20**

D-Shaped Connectors(285)

PCB D-Sub Connectors(285)

Customers Also Bought

TE Part #7574442007
RAYRIM-NR8-0-STK

TE Part #1-338313-2
9POS.HD-20 REC.ASSY

TE Part #3-2176238-7
CPF A 0805 2K0 0.1% 25PPM 5K RL

TE Part #1571300-2
TACT,RTANG,SMT,SEALED,GUID PIN

Documents

Product Drawings

37 MSFL PLUG RA 318 (FM,BL)

English

CAD Files

Customer View Model

ENG_CVM_CVM_5747843-2_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5747843-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5747843-2_D.3d_stp.zip



English

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Datasheets & Catalog Pages
AMPLIMITE Subminiature D Connectors - Right-Angle Posted Connectors

English

Product Specifications
Application Specification

English

Instruction Sheets
Instruction Sheet (U.S.)

English

Agency Approvals
UL Report

English