



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



Connector & Housing Type: **Plug**
Connector System: **Board-to-Board**
Number of Positions: **37**
Centerline (Pitch): **2.77 mm [.109 in]**
Number of Rows: **2**

[All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 4, 2.74mm \(17\)](#)

Features

Product Type Features

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

Configuration Features

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

Body Features

Assembly Process Feature Material	Copper Alloy
Insert Material	Zinc
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	Standard



Contact Features

	30 µin
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Underplating Material	Palladium Nickel
PCB Contact Termination Area Plating Material	Tin
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

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

Housing Features

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

Dimensions

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

Usage Conditions

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

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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

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	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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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-023-DRARS4277
D-Sub Receptacle Assembly: Right Angle, Shell Size 4, 2.77mm

TE Part # CAT-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

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

Customers Also Bought

TE Part #2-644488-2
02P MTA100 SHRD HDR F/L R/A SN

TE Part #63862-1
250 FASTON TAB TPBR

TE Part #5-146280-8
08 MODII HDR SRST B/A .100CL

TE Part #2-1625892-8
3W SM M/OX 5% 20K

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

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

Instruction Sheets



Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English