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D-Sub Plug Assembly: Standard, Right Angle, Shell Size 1, 2.74mm



Connector & Housing Type: **Plug**

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

Number of Positions: **9**

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

Number of Rows: **2**

[All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 1, 2.74mm \(53\)](#)

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 | 1 |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-----------------------|-------------|
| Number of Positions | 9 |
| Number of Rows | 2 |
| PCB Mount Orientation | Right Angle |

Body Features

| | |
|-----------------------------------|--------------|
| Assembly Process Feature Material | Copper Alloy |
| Mating Retention Feature Material | Zinc |
| Shell Plating Material | Tin |
| Primary Product Color | Black |
| Connector Profile | Standard |



Contact Features

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

Termination Features

| | |
|----------------------------------|-----------------------|
| Termination Post & Tail Diameter | .66 mm[.026 in] |
| Termination Post & Tail Length | 3.18 mm[.125 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

| | |
|---|---------------------------|
| Mating Retention Feature Plating Material | Clear Chromate |
| 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 Retention | With |
| PCB Mount Retention Type | Boardlock |
| Mating Retention | With |
| Mating Retention Type | Threaded Insert, 4-40 UNC |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|------------------------|
| Shell Material | Steel |
| Housing Material | Nylon GF, Polyester GF |
| Centerline (Pitch) | 2.74 mm[.108 in] |

Dimensions

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|-----------------------------|------------------|
| 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] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|---|-----------|
| Compatible With Approved Standards Products | UL E28476 |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 130 |
| Packaging Method | Tray |

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (13% in Component Part) 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 | 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-AM7-248H6
IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm

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

TE Part # CAT-AM7-248H8
IDC D-Sub: Receptacle Assembly, Wire to Wire, Signal, 2.74 mm

TE Part # 747516-7
09 HDE PMOLD RCPT, LEAD FREE

TE Part # 3-1393483-8
V42254A1115B209=SUB D FEDERLEI

Customers Also Bought

TE Part #1-1623782-2
SQM5 470R 5% (METAL FILM)

TE Part #5747842-3
25 MSFL PLUG RA 318 (IN,FM,BL)

TE Part #1-1393763-0
V23100V4015A000

TE Part #1-1734248-5
1.0 FPC, ZIF V/T, SMT, 15P

TE Part #1879252-8
RP 2B 4R99 0.1% 15PPM 1K RL

TE Part #4-2176381-5
RQ 0805 35K7 0.1% 10PPM 5K RL

TE Part #2-2176391-1
RQ 1206 20K 0.1% 10PPM 5K RL

TE Part #440052-8
2.5MM,HDR,8POS,VERTICAL, CONNECTOR

Documents

Product Drawings
9P RA MSFL 318 PLUG

English

CAD Files
Customer View Model
ENG_CVM_CVM_6-747840-9_AC.2d_dxf.zip

English



3D PDF

3D

Customer View Model

[ENG_CVM_CVM_6-747840-9_AC.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-747840-9_AC.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English