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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
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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-Lead 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

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

Circuit Application	Signal
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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: JAN 2024 (240) SVHC > Threshold: Pb (13% in Component Part) <b>Article Safe Usage Statements:</b> 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 #2101510-2  
4 Pos RF Module, Backplane, OSM  
PASSIVA

TE Part #5-104655-3  
20 50/50 HDR DRST SFMNT TIN

TE Part #1218434-3  
R/A RCP ASSY 25 POS SER 109

TE Part #9-1879212-3  
CPF 0402 22R1 0.1% 25PPM 1K RL

TE Part #1996942-1  
OSMM STR CBL PLUG RG405

TE Part #6274096-1  
JACK ASSEMBLY, ACTION PIN, SMA

TE Part #202799-1  
CNTR FASTENER PLUG BLOCK,160P

TE Part #2313238-1  
VERTRECASSY,J0/J1A,MULTIGIG RT3



Documents

Product Drawings

09 MSFL PLUG RA 318 (IN,FM,BL)

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_747840-4\_AC.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_747840-4\_AC.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_747840-4\_AC.3d\_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English