

6-747844-9 ✓ ACTIVE

AMPLIMITE

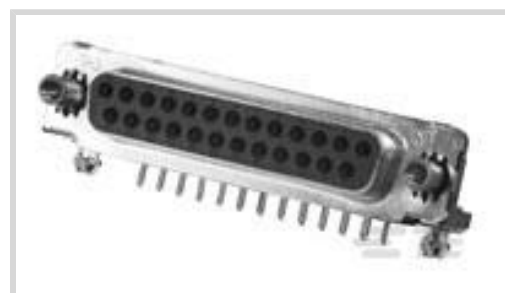
TE Internal #: 6-747844-9

PCB D-Sub Connectors, Receptacle, Board-to-Board, 9 Position, 2.74 mm [.108 in] Centerline, 2 Row, 1 Connector Shell Size, Round, Standard Profile

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm \(77\)](#)

### Features

#### Product Type Features

Shell Material Configuration	Front Metal Shell
Ground Feature Type	Grounding Straps
Connector & Housing Type	Receptacle
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
Insert Material	Zinc
Mating Retention Feature Material	Zinc
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	Standard



### Contact Features

	30 µin
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
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

Mating Retention Feature Plating Material	Clear Chromate
Assembly Process Feature Plating Material	Tin
Mounting Feature Plating Material	Tin
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	Thermoplastic
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

Shielded	Yes
Circuit Application	Signal

### Industry Standards

Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	130
Packaging Method	Tray

### Other

D-Shaped Connectors Comment	All receptacles are preloaded with size 20 DF posted socket 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	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-AM7-248H3  
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm



TE Part # CAT-AM7-H3  
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm



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



TE Part # 206509-1  
SIZE 20 KEYING PLUG

## Customers Also Bought



TE Part #6-1419128-2  
OJE-SS-124DM,000



TE Part #5788793-1  
09 HTMSFL PLUG RA 318 (SL,BL)



TE Part #4-641215-5  
15P MTA100 HDR ASSY FL/ST 30AU



TE Part #2-1609034-0  
20VSB6=F8334



TE Part #6648374-1  
CONTACT,SKT,SIZE #12



TE Part #2-1445093-4  
MICRO MNL HDR ASSY S/ROW AU LF



TE Part #1-338070-0  
MICRO-MATCH FEM.SE



TE Part #1-2842128-0  
20P,2MM,BRK HDR,DRVT,2.8,0.76AU, TB



TE Part #2842138-7  
14P,2MM,BRK HDR,DRVT,2.8,0.1AU, BOX



TE Part #5-104071-3  
15 SYSTEM 50 HDR SRST SHRD SN BOX

## Documents

### Product Drawings

9P RA MSFL 318 RCPT

English

### CAD Files

3D PDF

3D



### Customer View Model

[ENG\\_CVM\\_CVM\\_6-747844-9\\_AC.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_6-747844-9\\_AC.3d\\_igs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_6-747844-9\\_AC.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)

English

### Agency Approvals

[UL Report](#)

English