



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): **2.74 mm [ .108 in ]**

Number of Rows: **2**

All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 4, 2.74mm (21)

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Grounding Indents                 | Without               |
| Grounded                          | No                    |
| Grounding Straps                  | Without               |
| Footprint                         | 13.84 mm[.545 in]     |
| Shell Type                        | Front Metal Shell     |
| Connector & Housing Type          | Plug                  |
| Connector System                  | Board-to-Board        |
| D-Sub Shell Size                  | 4                     |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Shielded                          | Yes                   |
| Product Type                      | Connector             |

Configuration Features

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



|           |     |
|-----------|-----|
| Preloaded | Yes |
|-----------|-----|

Body Features

|                         |                 |
|-------------------------|-----------------|
| Plastic                 | No              |
| Connector Profile       | Standard        |
| Shell Plating Material  | Zinc            |
| Shield Material         | Steel           |
| Shell Material          | Steel           |
| Post Size               | .64 mm[.025 in] |
| Shield Plating Material | Tin             |

Contact Features

|                                               |            |
|-----------------------------------------------|------------|
| Contact Mating Area Plating Material          | Gold Flash |
| Contact Underplating Material                 | Nickel     |
| PCB Contact Termination Area Plating Material | Tin-Lead   |
| Contact Base Material                         | Brass      |
| Contact Shape & Form                          | Square     |
| Contact Current Rating (Max)                  | 6 A        |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Grounding Clips                             | Without               |
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post Length                     | 3.18 mm[.125 in]      |

Mechanical Attachment

|                          |                 |
|--------------------------|-----------------|
| Panel Mount Feature      | Without         |
| PCB Mount Retention      | With            |
| PCB Mount Retention Type | Mounting Hole   |
| Mating Retention         | Without         |
| Connector Mounting Type  | Board Mount     |
| Mounting Hole Diameter   | 3.05 mm[.12 in] |

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 2.74 mm[.108 in] |
| Housing Material   | Thermoplastic    |
| Housing Color      | Black            |

Dimensions

|  |  |
|--|--|
|  |  |
|--|--|



|                             |                  |
|-----------------------------|------------------|
| Row-to-Row Spacing          | 2.84 mm[.112 in] |
| PCB Thickness (Recommended) | 2.36 mm[.093 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

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

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Method   | Package |
| Packaging Quantity | 56      |

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                   | Not Compliant                                                                                                                                                                                                                                                                                                                                                                                                          |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>SVHC > Threshold:<br>Pb (13% in component)<br><b>Article Safe Usage Statements:</b><br>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                               | 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-AM7-248H9  
IDC D-Sub: Receptacle Kit, Cable to Cable, Signal, 2.77 mm

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

Also in the Series | AMPLIMITE HDP

D-Sub Connector Contacts(6)

PCB D-Sub Connectors(88)

Customers Also Bought

TE Part #2-1617749-2  
FCA-210-1024M=M83536/10-024M

TE Part #204502-1  
RECEPT ASSY,26 POSN,AMPLIMITE

TE Part #204517-2  
AMPLIMITE,ASY,PLUG,STD,90,3

TE Part #204510-1  
RECEPT ASSY,104 POSN,AMPLIMITE

TE Part #205169-1  
RECEPT ASSY,50 POSN,AMPLIMITE

TE Part #2-329452-2  
BNC RF Connector Jack Kit, 50 Ohm, 4 Ghz, Military Grade

TE Part #2-5330358-2  
BNC RF Connector: Plug Kit, Straight, 4 GHz, Military Grade

TE Part #2-5535512-3  
32 MODII HORZ DR CE EESS .100



Documents

Product Drawings

[37 PLUG RA/MS STD](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_205859-1\\_M.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_205859-1\\_M.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_205859-1\\_M.3d\\_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English