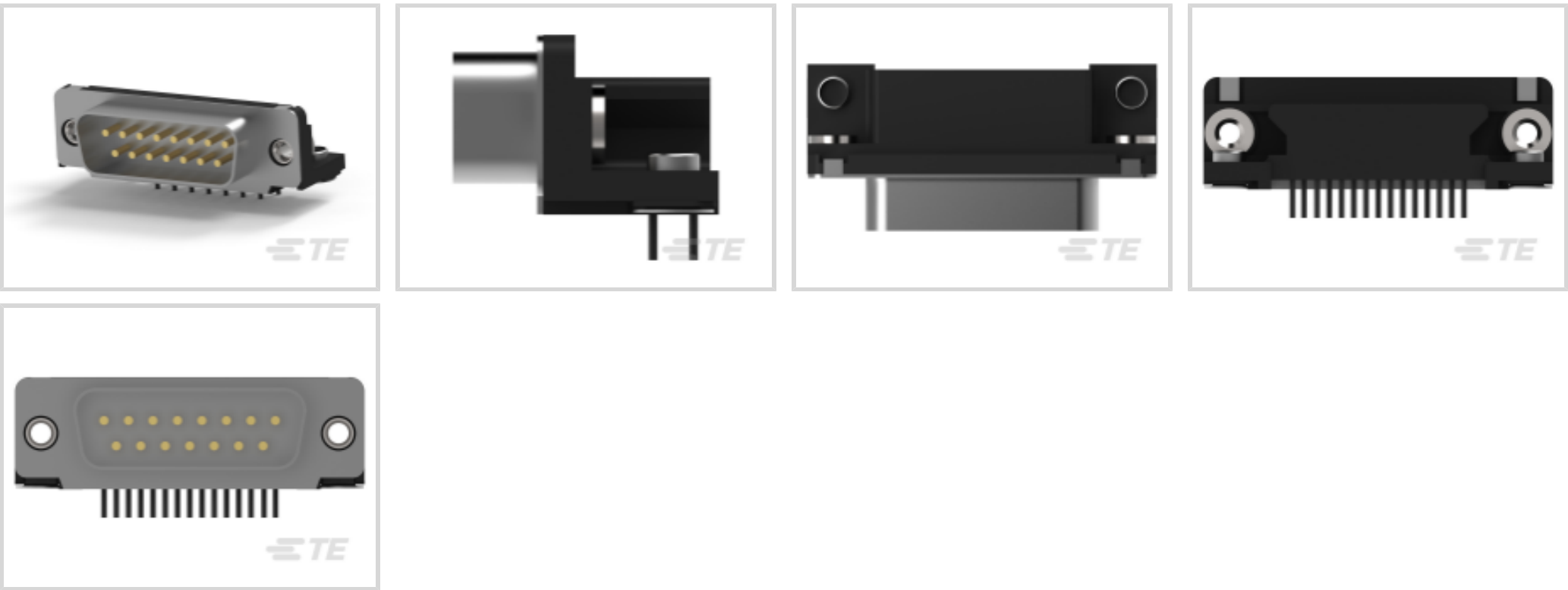




Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors >

D-Sub Plug Assembly: Standard, Right Angle, Shell Size 2, 2.74mm



Connector & Housing Type: **Plug**

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

Number of Positions: **15**

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

Number of Rows: **2**

[All D-Sub Plug Assembly: Standard, Right Angle, Shell Size 2, 2.74mm \(25\)](#)

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Grounding Indents | With |
| Grounding Straps | With |
| Footprint | 8.08 mm[.318 in] |
| Shell Type | Front Metal Shell |
| Connector & Housing Type | Plug |
| Connector System | Board-to-Board |
| D-Sub Shell Size | 2 |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Product Type | Connector |

Configuration Features

| | |
|---------------------|----|
| Number of Positions | 15 |
|---------------------|----|



| | |
|-----------------------|-------------|
| Number of Rows | 2 |
| PCB Mount Orientation | Right Angle |
| Preloaded | Yes |

Body Features

| | |
|-------------------------|-----------------|
| Eyelet Material | Brass |
| Eyelet Plating Material | Tin |
| Plastic | No |
| Insert Material | Zinc |
| Connector Profile | Standard |
| Shell Plating Material | Tin over Copper |
| Shell Material | Carbon Steel |
| Post Size | .66 mm[.026 in] |

Contact Features

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

Termination Features

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

Mechanical Attachment

| | |
|----------------------------------|---------------------------|
| Threaded Insert Material | Zinc |
| Threaded Insert Plating Material | Clear Chromate |
| Panel Mount Feature | Without |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Mounting Hole |
| Mating Retention | With |
| Mating Retention Type | Threaded Insert, 4-40 UNC |



| | |
|-------------------------|-----------------|
| Connector Mounting Type | Board Mount |
| Mounting Hole Diameter | 3.05 mm[.12 in] |

Housing Features

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

Dimensions

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

Usage Conditions

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

Operation/Application

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

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|------|
| Packaging Method | Tray |
| Packaging Quantity | 104 |

Other

| | |
|---------|---|
| Comment | Plugs are preloaded with size 20 DF posted pin contacts |
|---------|---|

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

TE Part # CAT-023-DRARS2274
D-Sub Receptacle Assembly: Right Angle, Shell Size 2, 2.74mm

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

TE Part # CAT-AM7-248H6
IDC D-Sub: Receptacle Kit, Wire to Wire, Signal, 2.74 mm

Documents

Product Drawings
15 MSFL PLUG RA 318 (IN,FM)

English

CAD Files
Customer View Model
ENG_CVM_CVM_5747236-4_C1.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_5747236-4_C1.3d_stp.zip

English

Customer View Model
ENG_CVM_CVM_5747236-4_C1.2d_dxf.zip

English

3D PDF

3D

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

Product Environmental Compliance

MD_5747236-4_12052013555_dmtec

English

MD_5747236-4_12052013555_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English