

7-747840-1 ✓ ACTIVE



AMPLIMITE

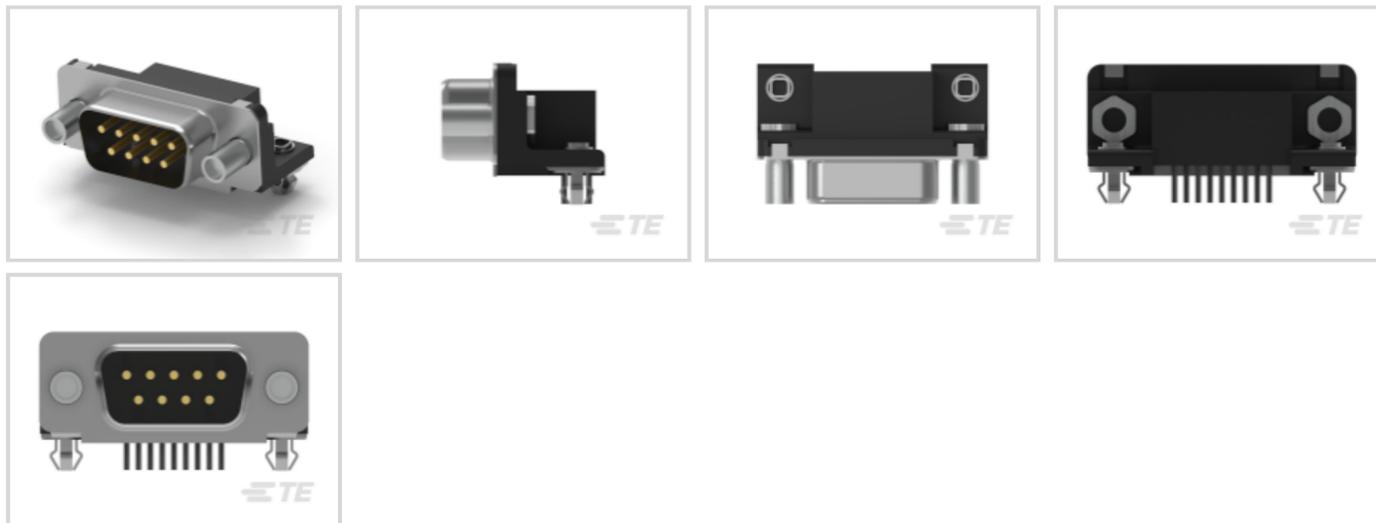
TE Internal #: 7-747840-1

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

[View on TE.com >](#)

[Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors >](#)

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

| | |
|-------------------------|------|
| Mating Feature Material | Zinc |
|-------------------------|------|



| | |
|-----------------------------------|----------------|
| Assembly Process Feature Material | Copper Alloy |
| Mating Feature Plating Material | Clear Chromate |
| 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

| | |
|---|--------------------------|
| 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 | Female Screwlocks, Fixed |
| 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] |
|-----------------------------|-----------------------------|

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

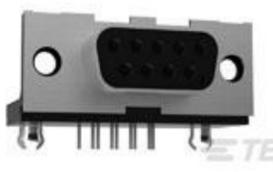


TE Part # 747516-7
09 HDE PMOLD RCPT, LEAD FREE



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

Customers Also Bought



TE Part #3-106506-2
15P.HDP20 REC.ASSY.



TE Part #5745438-4
09 RCPT RA/MS 454



TE Part #1393845-5
RP821024



TE Part #1625854-3
0603 PROBE PAD



TE Part #185879-1
26W MQS COVER ASSY YELLOW



TE Part #5-1625892-7
3W SM M/OX 5% 51K



TE Part #8-2176412-4
5W XSM M/OX 5% 15K



TE Part #185875-1
26POS MQS REC



Documents

Product Drawings

[9P RA MSFL 318 PLUG](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_7-747840-1_AC.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_7-747840-1_AC.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-747840-1_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

Agency Approvals

[UL Report](#)

English