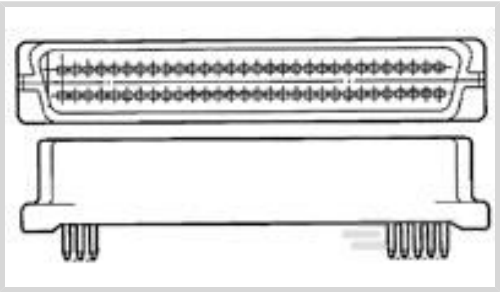




Connectors > D-Shaped Connectors > D-Sub Plug Assembly: Standard, Vertical, 1.27mm



Number of Positions: 50

Connector & Housing Type: Plug

Connector System: Cable-to-Board

Connector Mounting Type: Board Mount

Centerline (Pitch): 1.27 mm [.05 in]

[All D-Sub Plug Assembly: Standard, Vertical, 1.27mm \(24\)](#)

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Shell Material Configuration | All Plastic |
| Connector & Housing Type | Plug |
| Connector System | Cable-to-Board |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |
| Number of Positions | 50 |

Body Features

| | |
|-----------------------|----------|
| Primary Product Color | Black |
| Connector Profile | Standard |

Contact Features

| | |
|---|----------------------|
| | 30 μin |
| Contact Shape & Form | Rectangular |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin, Tin over Nickel |



| | |
|------------------------------|-----------|
| Contact Current Rating (Max) | 1 A |
| Contact Options | Installed |

Termination Features

| | |
|---|-----------------------|
| Rectangular Termination Post & Tail Width | .45 mm[.017 in] |
| Rectangular Termination Post & Tail Thickness | .4 mm[.015 in] |
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 3.1 mm[.122 in] |

Mechanical Attachment

| | |
|--------------------------|---------------|
| PCB Mount Retention | With |
| Mounting Hole Diameter | 2.6 mm |
| Mating Retention | Without |
| PCB Mount Retention Type | Mounting Hole |
| Mating Alignment | Without |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|-----------------|
| Housing Material | Thermoplastic |
| Centerline (Pitch) | 1.27 mm[.05 in] |

Dimensions

| | |
|-----------------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
| PCB Thickness (Recommended) | .8 – 1.6 mm |

Usage Conditions

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

Operation/Application

| | |
|---------------------|--------|
| Shielded | No |
| Circuit Application | Signal |

Industry Standards

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

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 88 |
| Packaging Method | Tray |



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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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



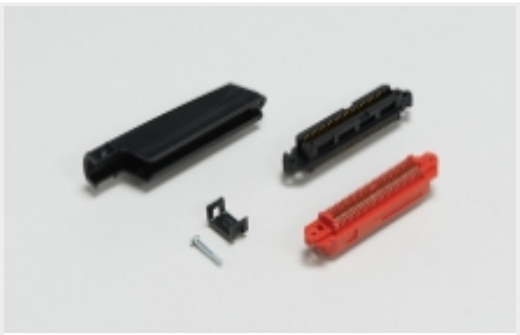
Also in the Series | [AMPLIMITE 0.50 Series](#)



Connector Backshells(21)



Connector Caps & Covers(20)



IDC D-Sub Connectors(69)



Insertion & Extraction Tools(1)



Panel Mount D-Sub Connectors(28)



PCB D-Sub Connectors(172)

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



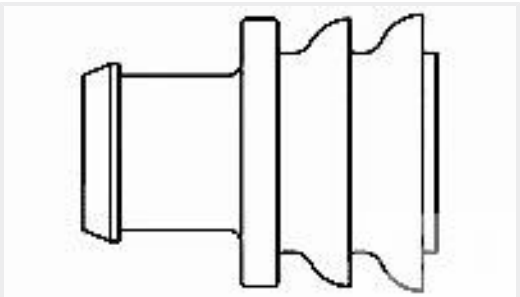
TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

Documents

Product Drawings

AMPLIMITE.050 CAP ASS'Y (V) 50P PB-FREE

English

CAD Files

Customer View Model

ENG_CVM_CVM_6-5173280-3_O.3d_igs.zip

English

Customer View Model



[ENG_CVM_CVM_6-5173280-3_O.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-5173280-3_O.2d_dxf.zip](#)

English

3D PDF

3D

3D PDF

English

Customer View Model

[ENG_CVM_6-5173280-3_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_6-5173280-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_6-5173280-3_A.3d_stp.zip](#)

English

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Product Specifications

Product Specification

English

Product Specification

English

Agency Approvals

UL

English