

TE Internal #: 1-1734741-0

.5 mm [.02 in] Centerline, Vertical, Surface Mount, Stuffer Actuator,
Gold Flash, 10 Position, FPC Connectors

[View on TE.com >](#)

Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > FPC Connectors

Centerline (Pitch): **.5 mm [.02 in]**Mating Retention Type: **Zero Insertion Force (ZIF)**PCB Mount Orientation: **Vertical**Termination Method to PCB: **Surface Mount**FPC Actuator Type: **Stuffer**

Features

Electrical Characteristics

| | |
|-------------------|--------|
| Operating Voltage | 50 VAC |
|-------------------|--------|

Usage Conditions

| | |
|-----------------------------|--------------------------|
| Operating Temperature Range | -20 – 85 °C[-4 – 185 °F] |
|-----------------------------|--------------------------|

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Identification Marking

| | |
|--------------------------------|---------|
| Circuit Identification Feature | Without |
|--------------------------------|---------|

Packaging Features

| | |
|------------------|------|
| Packaging Method | Tape |
|------------------|------|

| | |
|--------------------|------|
| Packaging Quantity | 1000 |
|--------------------|------|

Operation/Application

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

Dimensions

| | |
|-----------------|----------------|
| Connector Width | 3.8 mm[.15 in] |
|-----------------|----------------|

| | |
|------------------------------|----------------|
| Accepts Flex Cable Thickness | .3 mm[.012 in] |
|------------------------------|----------------|

| | |
|------------------|------------------|
| Connector Height | 4.15 mm[.163 in] |
|------------------|------------------|

| | |
|------------------|------------------|
| Connector Length | 10.7 mm[.421 in] |
|------------------|------------------|

Contact Features

| | |
|--|----------------------------|
| Contact Current Rating (Max) | .5 A |
| | 120 μ in |
| Contact Shape & Form | Single Beam |
| Contact Layout | Staggered Type B |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Gold |
| Contact Type | Socket |
| Contact Mating Area Plating Material Thickness | .025 μ m[120 μ in] |
| Contact Mating Area Plating Material | Gold Flash |

Product Type Features

| | |
|-----------------------------------|---|
| PCB Connector Assembly Type | PCB Mount Receptacle |
| Connector & Contact Terminates To | Printed Circuit Board, Flexible Printed Circuit (FPC) |
| Connector Product Type | Connector Assembly |
| Connector System | Flex-to-Board |
| FPC Actuator Type | Stuffer |

Configuration Features

| | |
|-----------------------------------|----------|
| Compatible With Wire & Cable Type | FFC, FPC |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |
| Number of Positions | 10 |

Mechanical Attachment

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Retention | With |
| PCB Mount Alignment | Without |
| Mating Retention Type | Zero Insertion Force (ZIF) |

Housing Features

| | |
|--------------------|---------------|
| Housing Material | PA 9T GF |
| Centerline (Pitch) | .5 mm[.02 in] |

Termination Features

| | |
|---------------------------|---------------|
| Termination Method to PCB | Surface Mount |
|---------------------------|---------------|

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2024 (241) 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 | Reflow solder capable to 260°C |

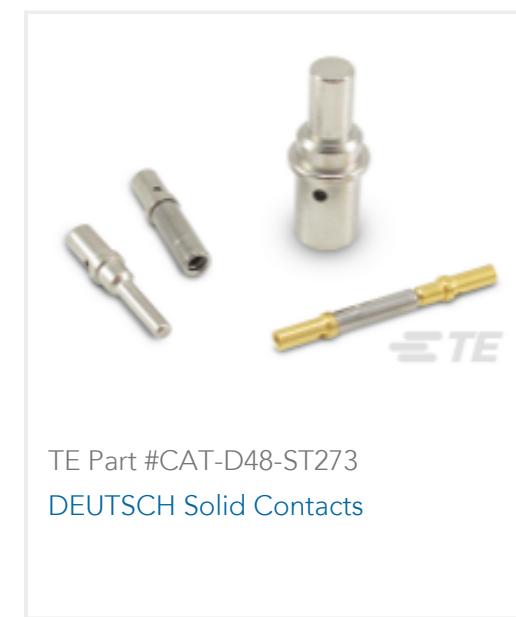
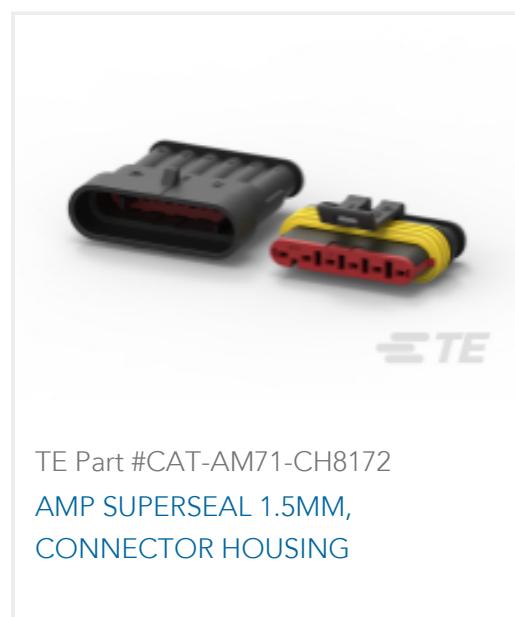
Product Compliance Disclaimer

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



Customers Also Bought

TE Part #DT04-2P
REC, 2P, GRY, NTE Part #DT06-2S
PLG, 2P, GRY, NTE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DTTE Part #CAT-D48-ST273
DEUTSCH Solid ContactsTE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSINGTE Part #281934-2
SINGLE WIRE SEAL

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_1-1734741-0_O.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-1734741-0_O.3d_jgs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1734741-0_O.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

1-1773959-7-FPC-Connectors-CN

English

Product Specifications

Product Specification

English