# 1-968968-1 ✔ ACTIVE

TE Internal #: 1-968968-1

12 V / 24 V / 48 V, 4 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 7 mm [.276 in] Centerline, Sealable, Black, Wire & Cable, Power

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Automotive Parts > Automotive Connectors > Automotive Housings > Circular DIN Housings







Nominal Voltage Architecture: **12 V, 24 V, 48 V**

Connector & Housing Type: **Housing for Female Terminals**

Number of Positions: **4**

Sealable: **Yes**

Operating Temperature Range: **-40 – 120 °C [ -40 – 248 °F ]**

All Circular DIN Housings (59)

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | No |
| Connector Shape | Circular |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | On the Terminal |
| Connector System | Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Number of Positions | 4 |

### Electrical Characteristics

| | |
|---|---|
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |

### Body Features

| | |
|---|---|
| Cable Exit Angle | 180° |

| | |
|---|---|
| Primary Product Color | Black |
| Connector & Keying Code | 1 |

## Contact Features

| | |
|---|---|
| Contact Size | 2.5mm |
| Contact Type | Socket |
| Mating Pin Diameter | 2.5 mm[.098 in] |
| Contact Current Rating (Max) | 40 A |

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | Without |
| Terminal Position Assurance | No |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Housing Material | PBT GF30 |
| Centerline (Pitch) | 7 mm[.276 in] |

## Dimensions

| | |
|---|---|
| Row-to-Row Spacing | 7 mm[.276 in] |
| Product Length | 31 mm[1.22 in] |
| Connector Height | 32.9 mm[1.295 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 120 °C[-40 – 248 °F] |
| Operating Temperature (Max) | 120 °C[248 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

| | |
|---|---|
| IP Rating | IP69K |
| UL Flammability Rating | UL 94HB |

## Packaging Features

| | |
|---|---|
| Packaging Method | Box |
| Packaging Quantity | 500 |

## Other

| | |
|---|---|
| Serviceable | No |
| Connector Position Assurance Capable | No |

## 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not applicable for solder process capability |

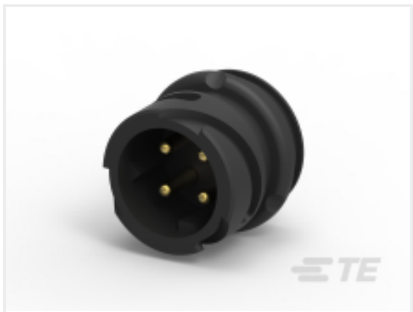
Product Compliance Disclaimer

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 # 1703780-1
4POS,PIN DIA 2.5,PIN HSG,ASSY



TE Part # 1241598-1
2,5MM ST-GEH,ASSY4P



TE Part # CAT-R7602-T273
ROUND CONNECTOR SYSTEM, PIN AND SOCKET



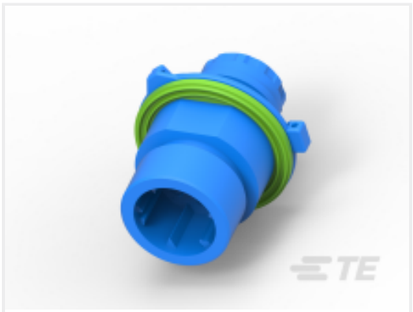
TE Part # 185792-1
180 DEG CAP FOR CORRUGTD TUBE



TE Part # CAT-C4962-B128
Circular DIN Backshells



TE Part # 828922-1
2,5MM CAVITY PLUG FOR 5,4MM DI



TE Part # CAT-C4962-CH8172
Circular DIN Housings



TE Part # 828920-1
EINZELADERDICHTUNG

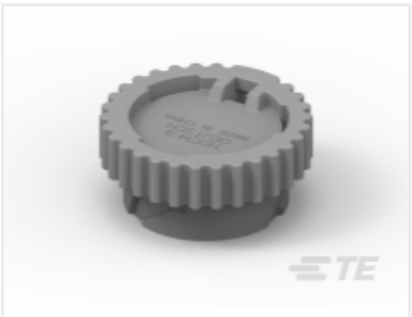


TE Part # 185636-1
PROTECT CAP 2.5MM PLUG



TE Part # 1394324-3
2,5MM PIN HOUSING 2/4POS,ASSY

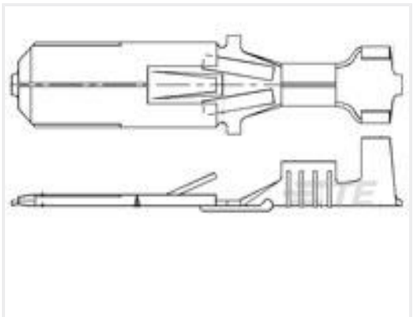
## Customers Also Bought



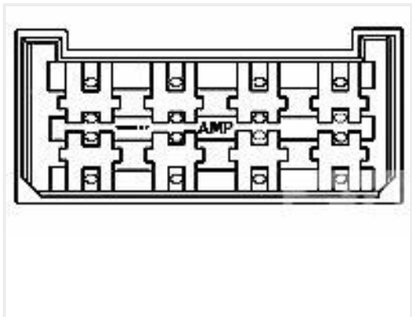
TE Part #HDC14-9
DUST CAP, 9P, PLG, GRY, HD10



TE Part #DT06-4S-CE06
PLG, 4P, BLK, E, SEAL RET



TE Part #42241-1
FF 250 TAB 18-16AWG BR




TE Part #280099
FF 250 TAB HSG 8P NYLON CLEAR



TE Part #828920-1
EINZELADERDICHTUNG



TE Part #CAT-R7602-T273
ROUND CONNECTOR SYSTEM, PIN AND SOCKET



TE Part #CAT-C4962-B128
Circular DIN Backshells



TE Part #4-1719434-1
4POS DIA 2.5 SOCKET CONNECTOR HSG

## Documents

### Product Drawings

2,5MM BU-GEH ASSY4P

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_1-968968-1_C_c-1-968968-1-c.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_1-968968-1_C_c-1-968968-1-c.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_1-968968-1_C_c-1-968968-1-c.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

### TERMINALS AND CONNECTORS

English

### CONNECTOR SELECTOR

English

## Product Specifications

### Application Specification

English