# 1-968968-1 ✔ ACTIVE

TE Internal #: 1-968968-1

Housing for Female Terminals, Wire-to-Wire, 4 Position, 7 mm [.276 in] Centerline, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging)

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > Circular DIN Housings







Connector System: **Wire-to-Wire**

Number of Positions: **4**

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

Centerline (Pitch): **7 mm [ .276 in ]**

Sealable: **Yes**

All Circular DIN Housings (64)

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Nominal Voltage Architecture | 12 V, 24 V, 42 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

| | |
|---|---|
| Terminal Position Assurance | No |
| Strain Relief | Without |
| 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

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

## Usage Conditions

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

## Operation/Application

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

## Industry Standards

| | |
|---|---|
| Degree of Protection | IP69K |
| UL Flammability Rating | UL 94HB |

## Packaging Features

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

### Other

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

## Product Compliance

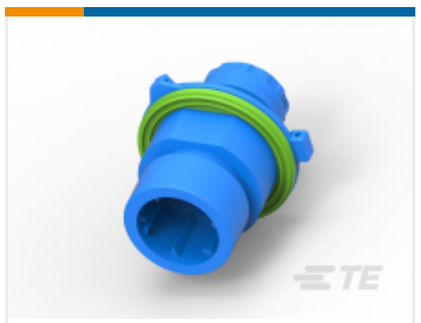
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 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 # CAT-C4962-CH8172
Circular DIN Housings



TE Part # CAT-C4962-B128
Circular DIN Backshells



TE Part # 185636-1
PROTECT CAP 2.5MM PLUG



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



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



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



TE Part # 828920-1
EINZELADERDICHTUNG

## Customers Also Bought



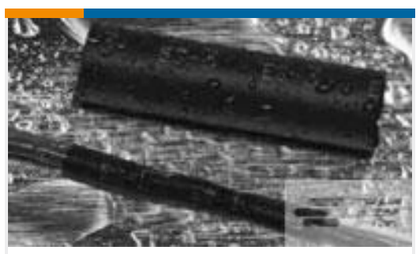
TE Part #DT06-6S-EP11
PLG, 6P, BLK, N, SEAL RET, XCAP



TE Part #965783-1
Circular DIN Backshells



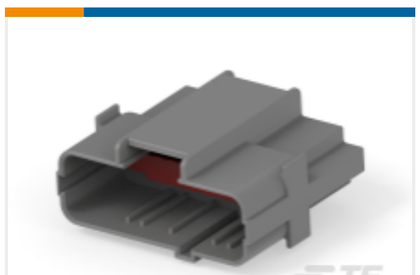
TE Part #1355289-2
AMP Unsealed Connector Housing



TE Part #D58196-000
FL2500-NO.2-I9-0-50MM



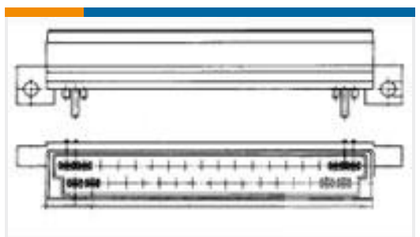
TE Part #2098067-2
Plug Assembly, Hybrid, BCM, IP2, B Key



TE Part #2098380-2
20 POS HYBRID UNSEALED CAP KY-B STD CLIP



TE Part #2819105-1
HSG FEMALE ASSY 64 WAYS



TE Part #825213-2
35P MESSERLEISTE

## 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

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## TE Connectivity:

CPF0402B37K4E1 CRGCQ2010J3K3 RH73H2A40MKTN 1393431-1 1743455-2 2834055-1 2377783-2 1-962915-1 SBCHE154R7K 1-794222-0 1903112-2 1969656-1 2005330-1 917696-1 MPT100C18RF ROX05SJ18R SBCHE64R7K 175977-2 650075-000 SMW73R0JT U5254-000005-030PA 936348-1 2380312-2 141991-2 2-292161-3 2310537-1 3-1393225-0 3631B101LL 3430B2F51RTDF TE50BR39J