

1-968968-1 ✓ ACTIVE

TE Internal #: 1-968968-1

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

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Connectors > Automotive Connectors > Connector Housings > CIRCULAR DIN HOUSINGS



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

Mating Pin Diameter: 2.5 mm [ .098 in ]

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

Number of Positions: 4

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

[All CIRCULAR DIN HOUSINGS \(51\)](#)

## Features

### Product Type Features

Connector & Housing Shape	Circular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	On the Terminal

### Configuration Features

Number of Positions	4
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### Electrical Characteristics

Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V
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### Body Features

Cable Exit Angle	180°
Body Material	Other



Primary Product Color	Black
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Connector Code	1
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### Contact Features

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

Mounting Feature	Without
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Terminal Position Assurance	Yes
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Strain Relief	Without
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

Centerline (Pitch)	7 mm[.276 in]
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### Dimensions

Product Length	31 mm[1.22 in]
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Product Height	32.9 mm[1.295 in]
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Row-to-Row Spacing	7 mm[.276 in]
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### Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
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Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]
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### Industry Standards

Degree of Protection	IP69K
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UL Flammability Rating	UL 94HB
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### Packaging Features

Packaging Quantity	500
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Packaging Method	Box
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### 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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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 # 185792-1  
180 DEG CAP FOR CORRUGTD TUBE



TE Part # 828920-1  
EINZELADERDICHTUNG



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

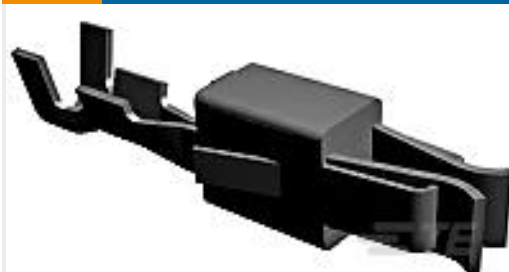


TE Part # CAT-R7602-T273  
ROUND CONNECTOR SYSTEM, PIN AND SOCKET

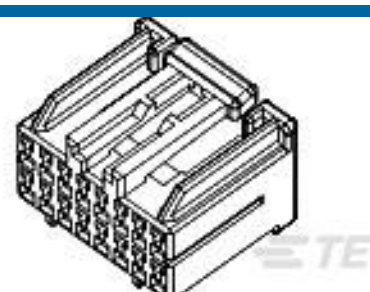


TE Part # 185636-1  
PROTECT CAP 2.5MM PLUG

## Customers Also Bought



TE Part #927771-9  
JPT REC 2.8 Contact SRC Au



TE Part #917978-7  
.040/.070 HYBRID I/O CONNECTOR



TE Part #1355289-2  
AMP MCP, UNSEALED CONNECTOR HOUSING



TE Part #HD10-9-1939PE-BP03  
RECP ASM



TE Part #1-2840573-1  
PCON12,TERMINAL,FAM SLD/UNSLD



TE Part #2-880492-2  
FUSE CONTACT - BUS



TE Part #4-880490-2  
FUSE CONTACT - BUS



TE Part #4-880492-2  
FUSE CONTACT - BUS

## 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

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**Datasheets & Catalog Pages**

**CONNECTOR SELECTOR**

English

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**Product Environmental Compliance**

**Product Compliance**

English

**Product Compliance**

English