TE Internal #: 967650-1

Housing for Female Terminals, Wire-to-Wire, 7 Position, .449 in [11.4 mm] Centerline, Sealable, Black, Signal, 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: 1.5 mm [.059 in]

Connector System: Wire-to-Wire

Number of Positions: 7

Centerline (Pitch): 11.4 mm [ .449 in ]

All CIRCULAR DIN HOUSINGS (51)

# Features

### **Product Type 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          | 7                            |
| Electrical Characteristics   |                              |
| Operating Voltage            | 48 VDC                       |
| Nominal Voltage Architecture | 12 V, 24 V, 42 V, 48 V       |

180°, 90°

**Body Features** 

Cable Exit Angle



| Body Material               | PBT GF  |
|-----------------------------|---|
| Primary Product Color       | Black   |
| Connector Code              | A   |
| Contact Features            |   |
| Contact Size                | 1.5mm   |
| Contact Type                | Socket  |
| Mating Pin Diameter         | 1.5 mm[.059 in]   |
| Mechanical Attachment       |   |
| Mounting Feature            | Without   |
| Terminal Position Assurance | No  |
| Strain Relief               | Add By Accessory  |
| Mating Alignment Type       | Keyed   |
| Mating Alignment            | With  |
| Connector Mounting Type     | Cable Mount (Free-Hanging)  |
| Housing Features            |   |
| Centerline (Pitch)          | 11.4 mm[.449 in]  |
| Dimensions                  |   |
| Product Width               | 31 mm[1.22 in]  |
| Product Length              | 32.8 mm[1.291 in]   |
| Product Height              | 32.8 mm[1.291 in]   |
| 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] |
| Operating Temperature Range | -40 – 120 °C[-40 – 248 °F]  |
| Operation/Application       |   |
| Circuit Application         | Signal  |
| Industry Standards          |   |
| Degree of Protection        | IP67, IP69K   |
| UL Flammability Rating      | UL 94HB   |
| Packaging Features          |   |
| Packaging Quantity          | 500   |



| Packaging Method                     | Loose Piece |
|--------------------------------------|-------------|
| Other                                |             |
| Serviceable                          | Yes         |
| 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: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per<br>homogenous material. Also BFR/CFR/PVC<br>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-R7602-T273 ROUND CONNECTOR SYSTEM, PIN AND SOCKET



1,5MM PIN HSG 5-7 POS ASSY



PROTECT CAP 2.5MM PLUG





# Customers Also Bought



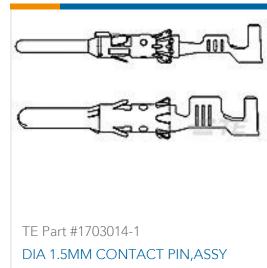
TE Part #828905-1



TE Part #965785-1



TE Part #1-967325-1 2,5MM BU-GEH 4P





SINGLE WIRE SEAL FOR J.P.T.CON



TE Part #962999-1 1,5MMD SOCKET CONTACT





## **Documents**



### **Product Drawings**

1.5MM BU-STE KPL 7P

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_967650-1\_G\_c-967650-1-g.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_967650-1\_G\_c-967650-1-g.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_967650-1\_G\_c-967650-1-g.3d\_stp.zip

English

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

### **Product Environmental Compliance**

**Product Compliance** 

English

**Product Compliance** 

English