



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)
[View on TE.com >](#)

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

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

Body Features

Cable Exit Angle	180°, 90°
------------------	-----------



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 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-B128
CIRCULAR DIN BACKSHELLS



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



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



TE Part # CAT-C4962-CH8172
CIRCULAR DIN HOUSINGS



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

TE Part # 1718230-1
1,5MM PIN HSG 5-7 POS ASSY

TE Part # 185636-1
PROTECT CAP 2.5MM PLUG

TE Part # 828904-1
SINGLE WIRE SEAL FOR J.P.T.CON

TE Part # 1544676-1
1.5 MM PIN HSG 7W SEALED

Customers Also Bought

TE Part #828905-1
SINGLE-WIRE-SEAL(5MM HOLE)

TE Part #965785-1
CIRCULAR DIN BACKSHELLS

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

TE Part #1703014-1
DIA 1.5MM CONTACT PIN,ASSY

TE Part #828904-1
SINGLE WIRE SEAL FOR J.P.T.CON

TE Part #NB07686001
HTAT-24/6-0-65MM

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

TE Part #962998-1
1,5MMD SOCKET CONTACT

TE Part #281927-1

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