

TE Internal #: 1718232-1
 Housing for Male Terminals, Wire-to-Wire, 31 Position, Black, Panel
 Mount, -40 – 248 °F [-40 – 120 °C], Key 1

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Connectors > Automotive Connectors > Automotive Housings > Circular DIN Housings



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

Mating Pin Diameter: **1.5 mm, 2.5 mm [.059 in, .098 in]**

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

Number of Positions: **31**

Sealable: **No**

[All Circular DIN Housings \(51\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	31
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Electrical Characteristics

Operating Voltage	24 VDC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V

Body Features

Cable Exit Angle	180°
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Primary Product Color	Black
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Connector & Keying Code	1
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Contact Features

Contact Size	1.5mm, 2.5mm
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Contact Type	Pin
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Mating Pin Diameter	1.5 mm, 2.5 mm [.059 in][.098 in]
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Mechanical Attachment

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	Panel Mount
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Housing Features

Housing Material	PBT GF
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Dimensions

Connector Height	65 mm [2.56 in]
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Product Length	63.3 mm [2.49 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	IP67, IP69K
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UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	100
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Packaging Method	Box
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Other

Serviceable	Yes
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Connector Position Assurance Capable	No
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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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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-R7602-T273
ROUND CONNECTOR SYSTEM, PIN AND SOCKET

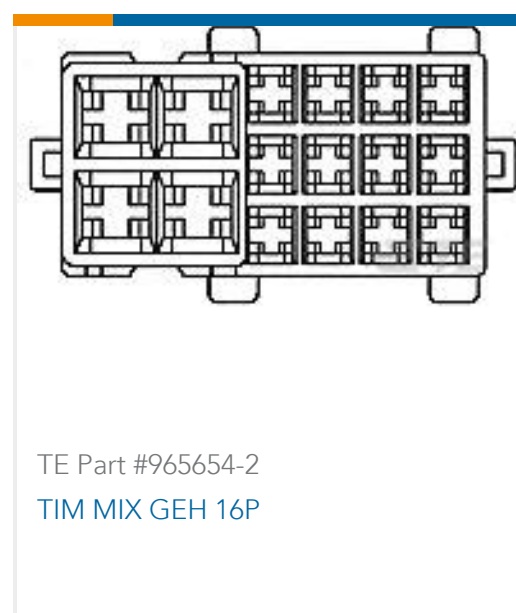


TE Part # CAT-C4962-B128
Circular DIN Backshells



TE Part # 1394081-1
1,5/2,5MM BU-GEH31P

Customers Also Bought



Documents

Product Drawings

1,5MM /2.5MM PIN HSG 31POS

German

CAD Files

Customer View Model

[ENG_CVM_CVM_1718232-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1718232-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1718232-1_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

1718232-1

Housing for Male Terminals, Wire-to-Wire, 31 Position, Black, Panel Mount, -40 – 248 °
F [-40 – 120 °C], Key 1



Application Specification

German