5-1813099-2 ✔ ACTIVE

TE Internal #: 5-1813099-2

12 V / 24 V / 48 V, 3 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 7 mm [.276 in] Centerline, Sealable, Black

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Automotive Parts > Automotive Connectors > Automotive Housings > Circular DIN Housings







Nominal Voltage Architecture: **12 V, 24 V, 48 V**

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

Number of Positions: **3**

Sealable: **Yes**

Operating Temperature Range: **-40 – 120 °C [-40 – 248 °F]**

All Circular DIN Housings (59)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	4
Number of Positions	3
Number of Rows	2

Electrical Characteristics

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

Body Features

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]

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	7 mm[.276 in]

Dimensions

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

Usage Conditions

Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]
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]

Industry Standards

IP Rating	IP69K
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	100
Packaging Method	Bag

Other

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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 # 1-967402-1
2,5MM ST-GEH KPL 4P



TE Part # 828920-1
EINZELADERDICHTUNG



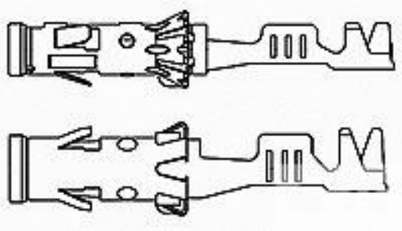
TE Part # CAT-R7602-T273
ROUND CONNECTOR SYSTEM, PIN AND SOCKET



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

Customers Also Bought

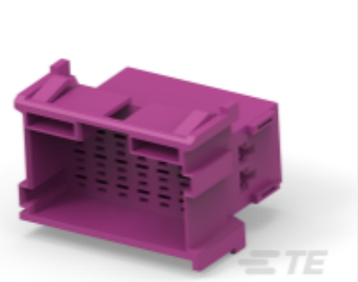
12 V / 24 V / 48 V, 3 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 7 mm [.276 in] Centerline, Sealable, Black



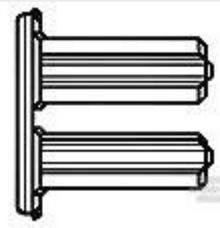
TE Part #929989-1
1,5MM SOCK CONTACT



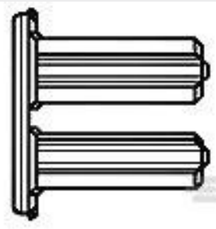
TE Part #1-965640-1
JUN-POW-TIM GEH 6P



TE Part #1-967630-3
FLACHSTE-GEH2,8 21P



TE Part #967634-1
2. RETAINER FOR 18POS



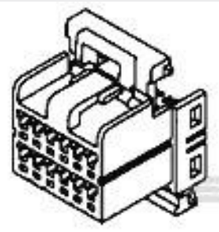
TE Part #968271-1
2. KONT-SICHERUNG 6P



TE Part #2109441-2
MCP 2.8 8P PLUG ASSY BLK/A



TE Part #2375556-1
8POS,MCON 1.2,TAB HSG ASSY,SLD, COD A



TE Part #174047-2
040 MULTILOCK PLUG 20P

TE Part #2435073-2
JPT,TERMINAL,A REC 2.8 CONTACT SRC SN

TE Part #2438803-2
JPT,TERMINAL,SWS,REC 2.8 SN

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_5-1813099-2_A_c-5-1813099-2-a.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_5-1813099-2_A_c-5-1813099-2-a.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_5-1813099-2_A_c-5-1813099-2-a.3d_stp.zip

English

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Product Specifications

Application Specification

English