

1718230-1 ✓ ACTIVE

AMP | Round Connector System

TE Internal #: 1718230-1

Housing for Male Terminals, Wire-to-Wire, 7 Position, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Round Connector System

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Connectors > Automotive Connectors > Automotive Housings > Circular DIN Housings



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

Number of Positions: **7**

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

Sealable: **Yes**

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

[All Circular DIN Housings \(64\)](#)

Features

Product Type Features

| | |
|-----------------------------------|----------------------------|
| Mixed & Hybrid Connector | No |
| Connector Shape | Circular |
| Connector System | Wire-to-Wire |
| Connector & Housing Type | Housing for Male Terminals |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |
| Primary Locking Feature | Integrated in Housing |

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° |
| Primary Product Color | Black |
| Connector & Keying Code | A |

Contact Features

| | |
|------------------------------|-----------------|
| Contact Size | 1.5mm |
| Contact Type | Tab |
| Mating Pin Diameter | 1.5 mm[.059 in] |
| Contact Current Rating (Max) | 30 A |

Mechanical Attachment

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

Housing Features

| | |
|------------------|--------|
| Housing Material | PBT GF |
|------------------|--------|

Dimensions

| | |
|------------------|--------------------|
| Connector Height | 39.26 mm[1.546 in] |
| Product Width | 44 mm[1.732 in] |
| Product Length | 39.2 mm[1.546 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 120 °C[248 °F] |
| Operating Temperature Range | -40 – 120 °C[-40 – 248 °F] |

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

| | |
|------------------------|--------------|
| Degree of Protection | IP67, IP6K9K |
| UL Flammability Rating | UL 94HB |

Packaging Features

| | |
|--------------------|-------------|
| Packaging Quantity | 450 |
| 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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-CH8172
Circular DIN Housings



TE Part # CAT-C4962-B128
Circular DIN Backshells



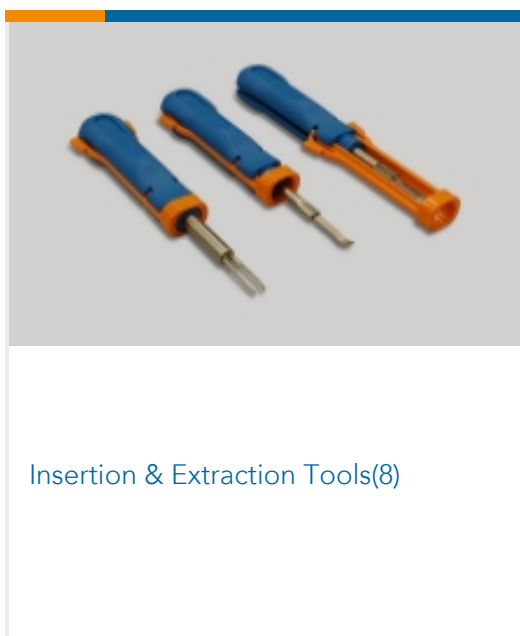
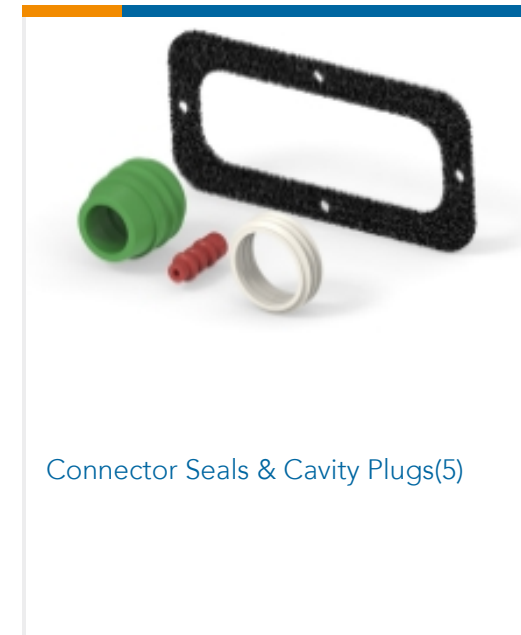
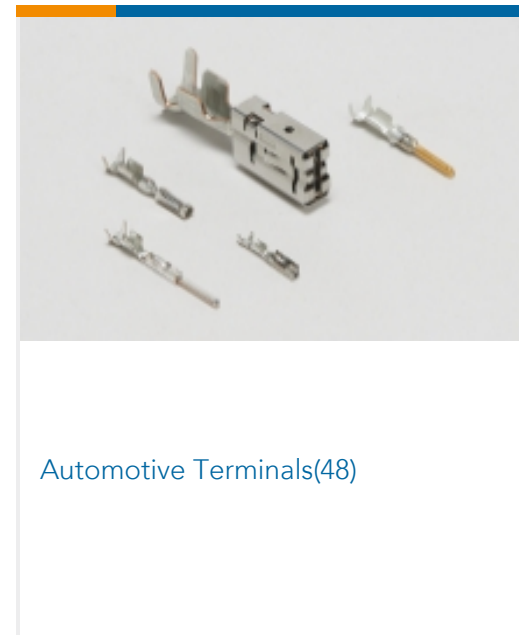
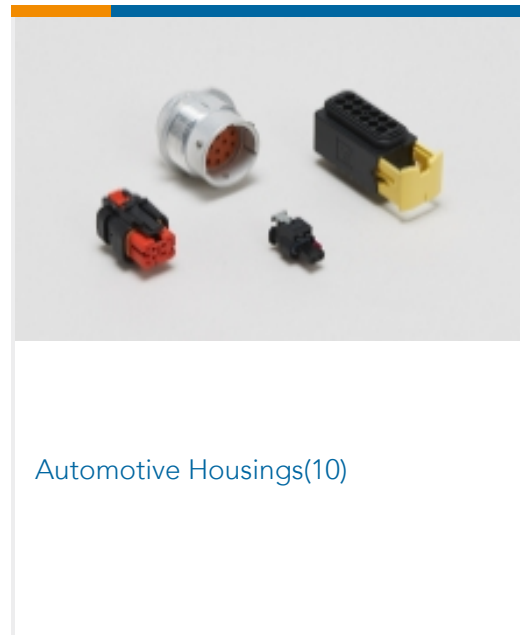
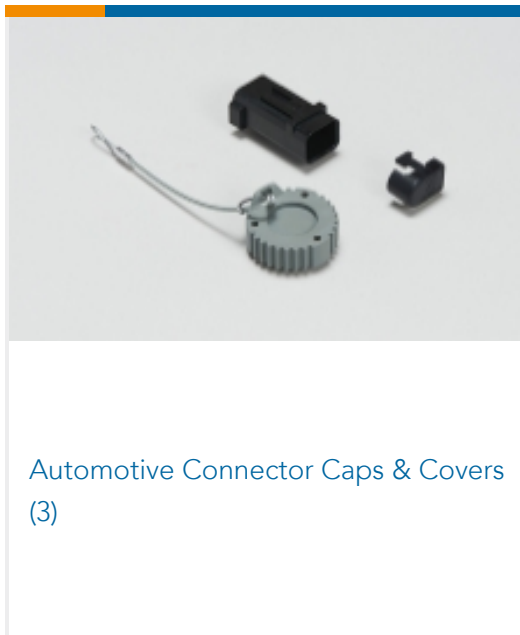
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FIXING RING



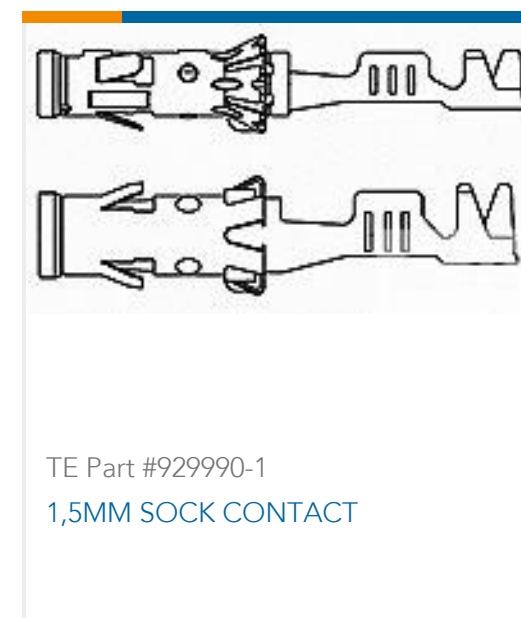
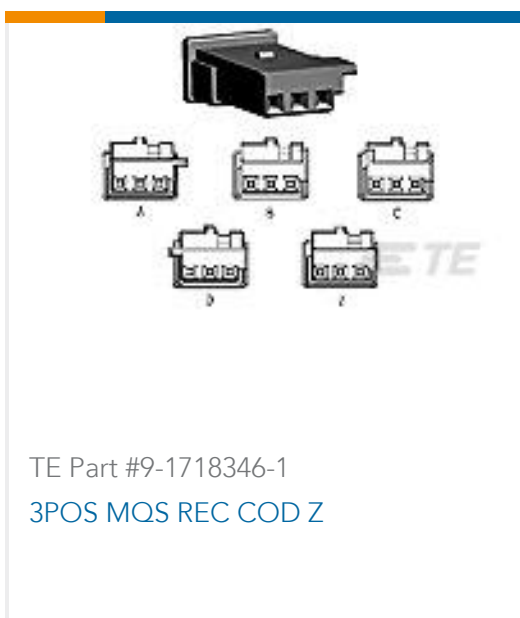
TE Part # CAT-R7602-T273
ROUND CONNECTOR SYSTEM, PIN AND SOCKET

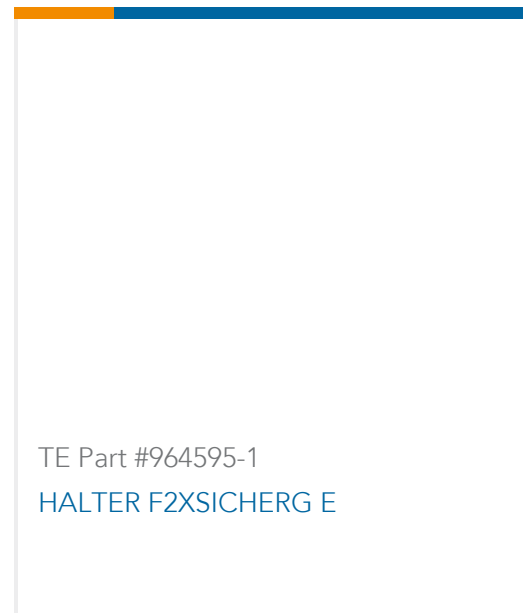
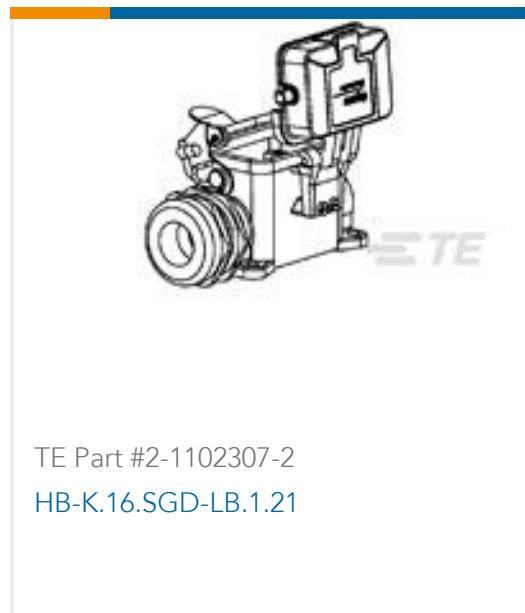


Also in the Series | Round Connector System



Customers Also Bought





Documents

Product Drawings

[1,5MM PIN HSG 5-7 POS ASSY](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1718230-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1718230-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1718230-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English