



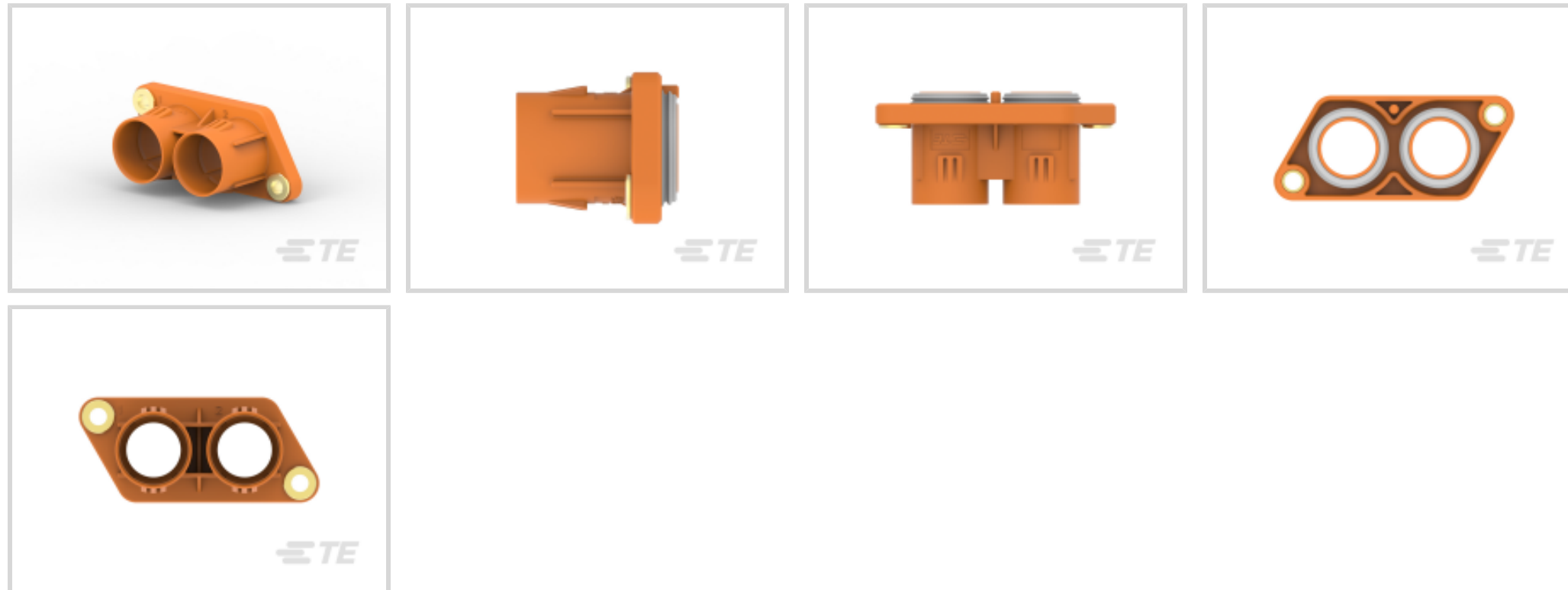
**IPT / APT**

TE Internal #: 2141784-2

Housing for Male Terminals, Wire-to-Device / Wire-to-Board, 2 Position, Sealable, Orange, Panel Mount, -40 – 284 °F [-40 – 140 °C], IPT / APT

[View on TE.com >](#)

Connectors > Automotive Connectors > Automotive Housings



Connector System: **Wire-to-Board, Wire-to-Device**

Number of Positions: **2**

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

Sealable: **Yes**

Number of Rows: **1**

**Features**

**Product Type Features**

|                          |                               |
|--------------------------|-------------------------------|
| Mixed & Hybrid Connector | No                            |
| Connector Shape          | Circular                      |
| Connector System         | Wire-to-Board, Wire-to-Device |
| Connector & Housing Type | Housing for Male Terminals    |
| Sealable                 | Yes                           |

**Configuration Features**

|                     |   |
|---------------------|---|
| Number of Positions | 2 |
| Number of Rows      | 1 |

**Electrical Characteristics**

|                              |         |
|------------------------------|---------|
| Operating Voltage            | 850 VAC |
| Nominal Voltage Architecture | 850 V   |

**Body Features**

|                       |        |
|-----------------------|--------|
| Cable Exit Angle      | 180°   |
| Primary Product Color | Orange |



### Mechanical Attachment

|                             |             |
|-----------------------------|-------------|
| Terminal Position Assurance | No          |
| Strain Relief               | With        |
| Mating Alignment Type       | Not Keyed   |
| Mating Alignment            | Without     |
| Connector Mounting Type     | Panel Mount |

### Housing Features

|                  |       |
|------------------|-------|
| Housing Material | PA GF |
|------------------|-------|

### Dimensions

|                  |                  |
|------------------|------------------|
| Connector Height | 38 mm[1.49 in]   |
| Product Width    | 41.1 mm[1.61 in] |
| Product Length   | 87 mm[3.42 in]   |

### Usage Conditions

|                             |  |
|-----------------------------|--|
| Operating Temperature (Max) | 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F] |
| Operating Temperature Range | -40 – 140 °C[-40 – 284 °F]   |

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 64   |
| Packaging Method   | Tray |

### Other

|             |    |
|-------------|----|
| Serviceable | No |
|-------------|----|

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

|   |  |
|---|--|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions  |
| EU ELV Directive 2000/53/EC                   | Compliant  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>SVHC > Threshold:<br>Pb (.11% in Component Part) |



**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free





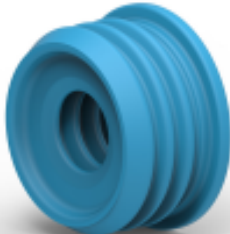







Solder Process Capability

Not reviewed for solder process capability

**Product Compliance Disclaimer**

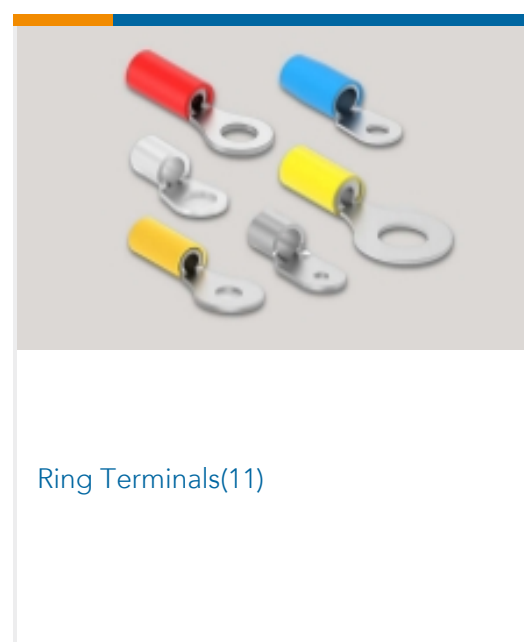
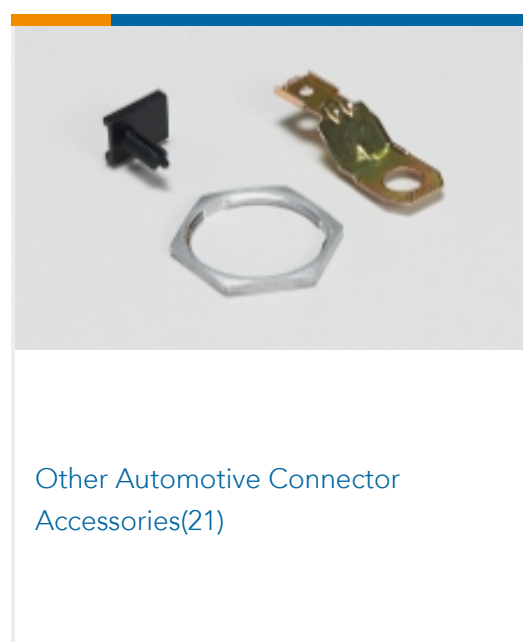
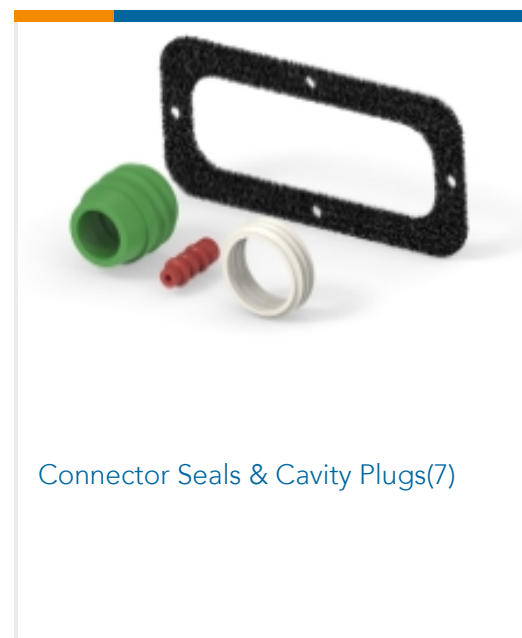
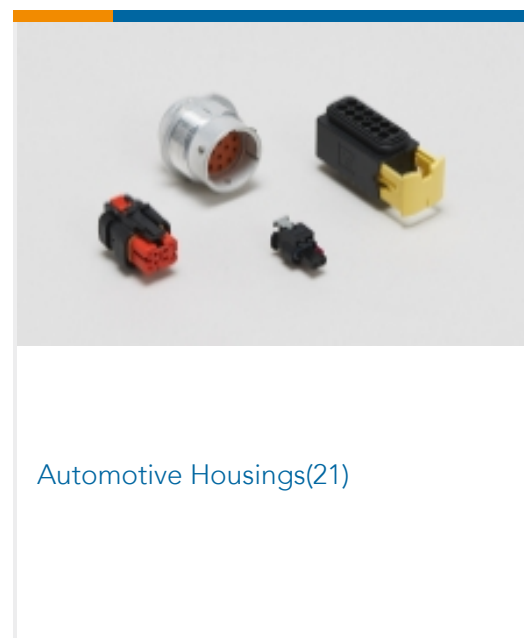
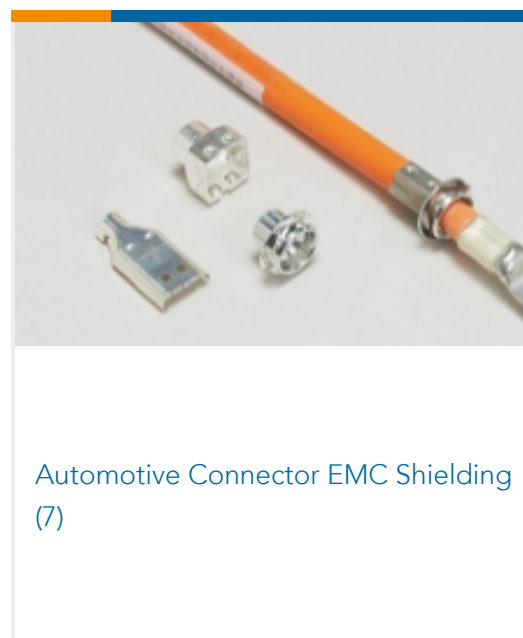
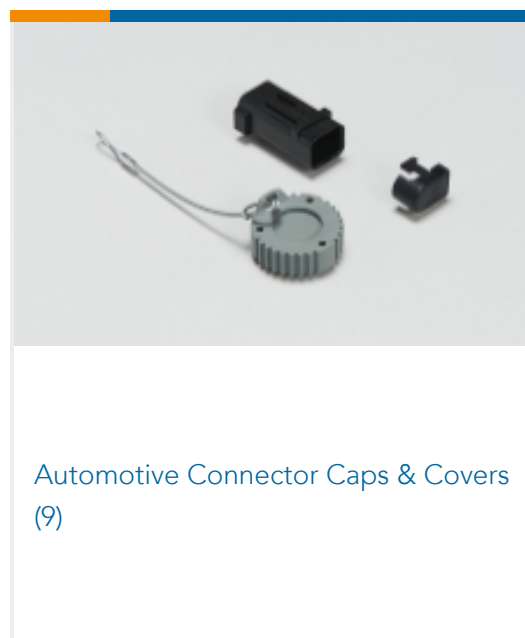
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

|  |  |  |  |
|--|--|--|--|
|  <p>TE Part # 1-1991225-7<br/>PROTECTIVE COVER. IPT 16-50mm sq. CABLE D</p> |  <p>TE Part # 1-1991225-6<br/>PROTECTIVE COVER. IPT 16-50mm sq. CABLE D</p> |  <p>TE Part # 3-2177380-1<br/>RING TONGUE, CONTACT</p>                      |  <p>TE Part # 1-1991225-5<br/>PROTECTIVE COVER. IPT 16-50mm sq. CABLE D</p> |
|  <p>TE Part # 1719826-5<br/>SINGLE WIRE SEAL,8MM HV</p>                     |  <p>TE Part # 2141809-3<br/>CONTACT KIT, BODY AND SPRING,</p>               |  <p>TE Part # 1719826-6<br/>SINGLE WIRE SEAL,8MM HV</p>                     |  <p>TE Part # 1-2177380-1<br/>RING TONGUE, CONTACT</p>                      |
|  <p>TE Part # 2-2177380-1<br/>RING TONGUE, CONTACT</p>                      |  <p>TE Part # 1-1991225-2<br/>PROTECTIVE COVER. IPT 16-50mm sq. CABLE D</p> |  <p>TE Part # 1-1991225-4<br/>PROTECTIVE COVER. IPT 16-50mm sq. CABLE D</p> |  <p>TE Part # 1-2208025-1<br/>1POS,RING TONGUE,HSG,CAP</p>                  |

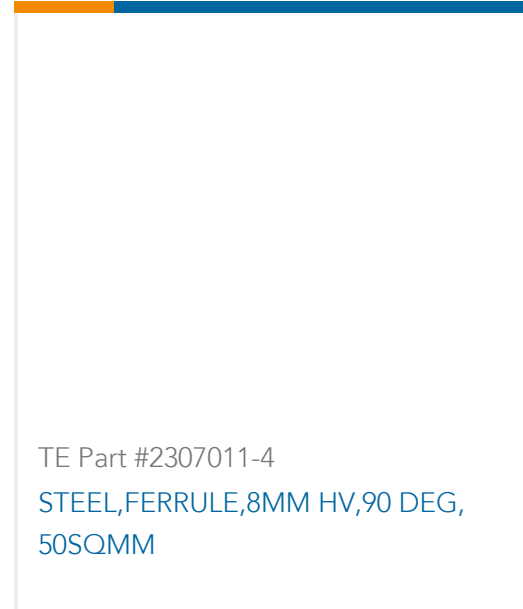


Also in the Series | IPT / APT



Customers Also Bought





## Documents

### Product Drawings

2POS,RING TONGUE,HSG,ASSY,SEALED

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2141784-2\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2141784-2\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2141784-2\\_C.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English