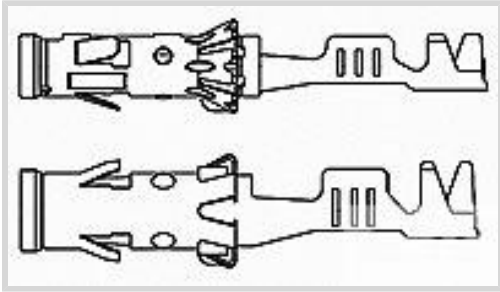




Terminals & Splices > Automotive Terminals > ROUND CONNECTOR SYSTEM, PIN AND SOCKET



Terminal Type: **Socket**

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

Terminal Transmits: **25 – 40 A (Power)**

Wire Size: **2.5 – 4 mm²**

All ROUND CONNECTOR SYSTEM, PIN AND SOCKET (48)

Features

Product Type Features

|                         |               |
|-------------------------|---------------|
| Receptacle Style        | 180°          |
| Sealable                | No            |
| Primary Locking Feature | Locking Lance |

Contact Features

|                                                |                  |
|------------------------------------------------|------------------|
| Contact Size                                   | 2.5mm            |
| Contact Fabrication                            | Stamped & Formed |
| Wire Contact Termination Area Plating Material | Tin              |
| Typical Current Rating                         | 40 A             |
| Crimp Type                                     | F-Crimp          |
| Terminal Type                                  | Socket           |
| Mating Pin Diameter                            | 2.5 mm[.098 in]  |
| Interface Plating                              | Tin (Sn)         |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
| Product Terminates To              | Wire  |

Dimensions

|                                      |                              |
|--------------------------------------|------------------------------|
| Compatible Insulation Diameter Range | 2.7 – 3.6 mm[.106 – .141 in] |
| Wire Size                            | 2.5 – 4 mm²                  |



|                  |                        |
|------------------|------------------------|
| Wire Size Search | 11 AWG, 12 AWG, 13 AWG |
|------------------|------------------------|

Usage Conditions

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

Operation/Application

|                                    |        |
|------------------------------------|--------|
| Compatible With Wire Base Material | Copper |
|------------------------------------|--------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 3000 |
| Packaging Method   | Reel |

Other

|                    |                   |
|--------------------|-------------------|
| Terminal Transmits | 25 – 40 A (Power) |
|--------------------|-------------------|

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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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

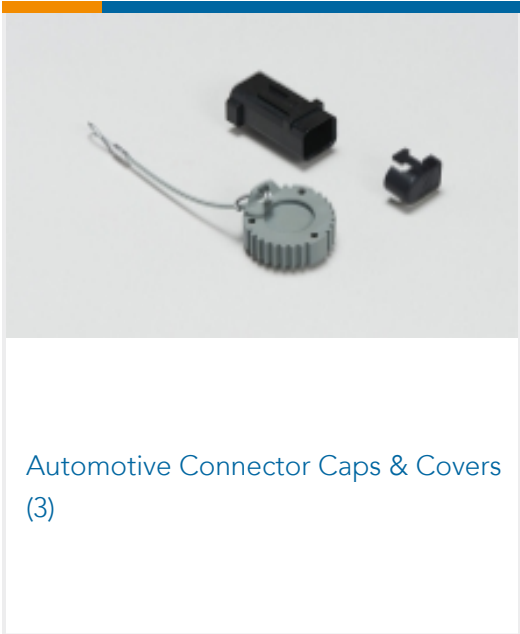
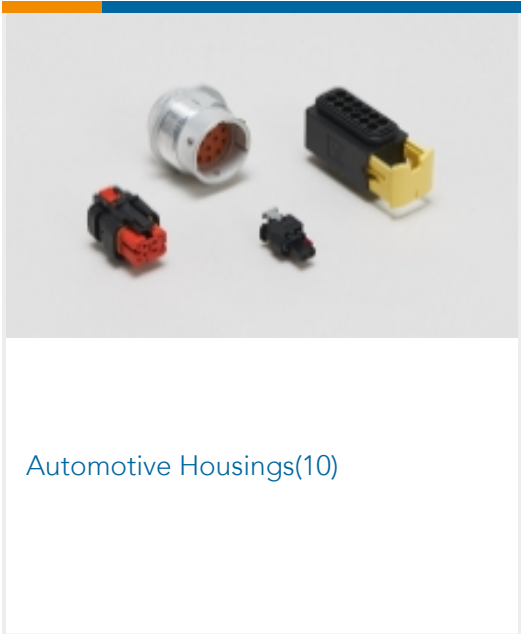
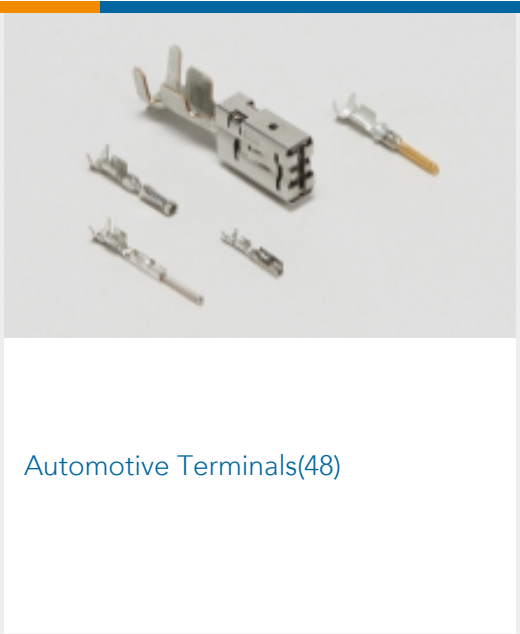
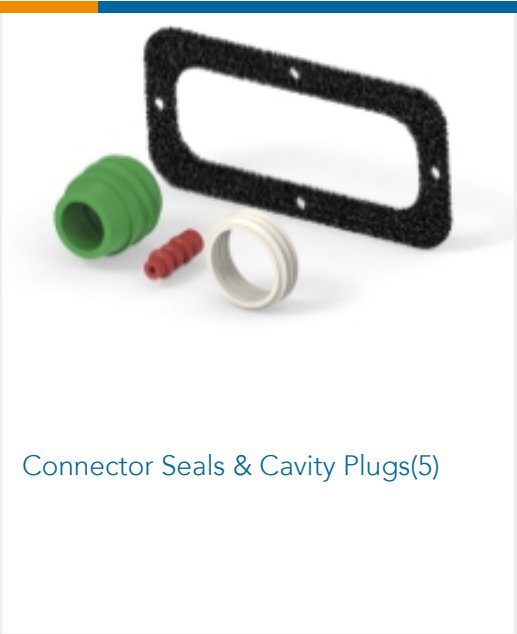
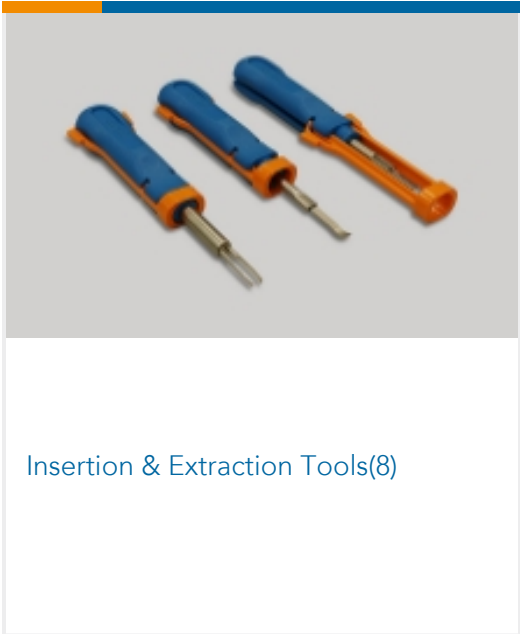


as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

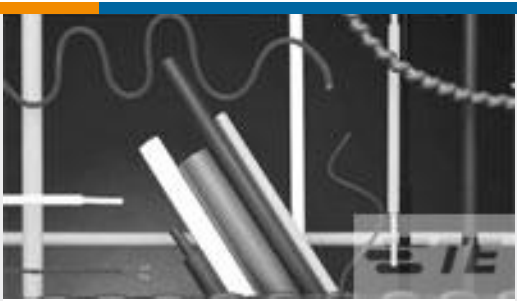
|                                                                                                                                                        |                                                                                                                                                         |                                                                                                                                                              |                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 1-1579007-8<br/>EXTRACTION TOOL</p>                    |  <p>TE Part # 929965-1<br/>STIFTKONTAKT 2,5MMD</p>                   |  <p>TE Part # 2305570-1<br/>Strip Terminal Cutter-Side Feed-No Crimp</p> |  <p>TE Part # 2836098-1<br/>OCEAN_2.0_Applicator-S-120F160O-RSM</p> |
|  <p>TE Part # 2836098-2<br/>OCEAN_2.0_Applicator-S-120F160O-RSA</p> |  <p>TE Part # 7-2836098-7<br/>OCEAN_2.0_SPARE_PART_KIT-120F160O</p> |                                                                                                                                                              |                                                                                                                                                         |

Also in the Series | Round Connector System

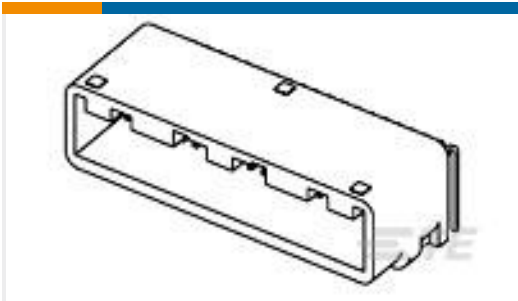
|                                                                                                                                       |                                                                                                                     |                                                                                                                       |                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Automotive Connector Caps &amp; Covers (3)</p> |  <p>Automotive Housings(10)</p> |  <p>Automotive Terminals(48)</p> |  <p>Connector Seals &amp; Cavity Plugs(5)</p> |
|  <p>Insertion &amp; Extraction Tools(8)</p>        |                                                                                                                     |                                                                                                                       |                                                                                                                                    |

Customers Also Bought

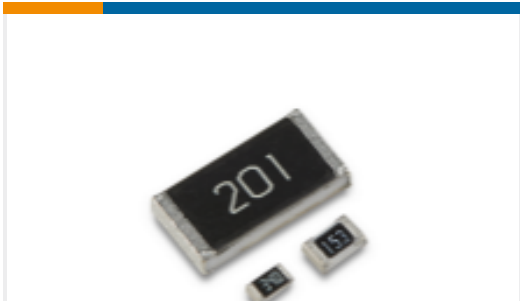




TE Part #5069744004  
CGPT-12.7/6.4-X-SP



TE Part #1318384-4  
025 40POS CAP ASSY H TIN



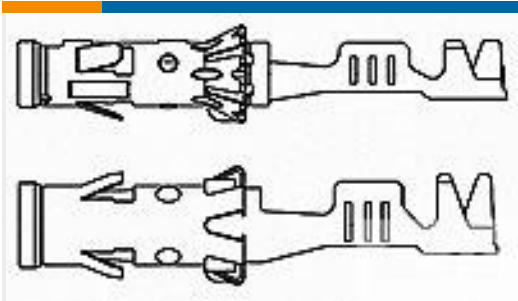
TE Part #4-2176327-1  
CRGP 0805 22K 1%



TE Part #2103124-4  
HVA280 2P HEADER ASSY, KEY D



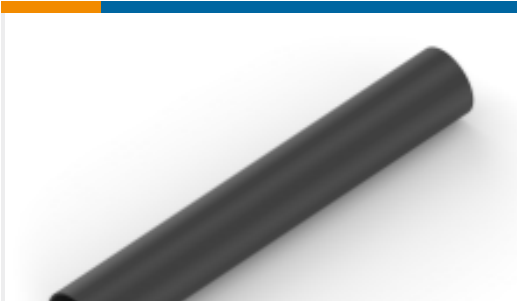
TE Part #8375990001  
RPS-1K-10-2/2.0-4



TE Part #929971-1  
BU-KONTAKT 2,5MMD



TE Part #K1021410  
Relay 29-211-12



TE Part #NB09012001  
ATUM-12/3-0-STK



TE Part #9-1393303-7  
V23134J0053D642-EV-CBOX



TE Part #K1002982  
Toggle Switch 07-2-2-15

Documents

Product Drawings

BU-KONTAKT 2,5MMD

German

CAD Files

Customer View Model

ENG\_CVM\_929972-1\_A5.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_929972-1\_A5.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_929972-1\_A5.2d\_dxf.zip

English

3D PDF

English

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

Datasheets & Catalog Pages



Heavy Duty Connectors

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

ET\*\*Contact 2.5 mm Diameter

English

Application Specification

English

Application Specification

German

Application Specification

English