



Connectors > Automotive Connectors > Automotive Housings > Timer Connector Housing



Number of Positions: 29

Connector & Housing Type: Housing for Female Terminals

Mating Tab Width: 2.8 mm [.11 in]

Connector System: Wire-to-Board

Centerline (Pitch): 5 mm [.197 in]

[All Timer Connector Housing \(449\)](#)

Features

Dimensions

|                    |                   |
|--------------------|-------------------|
| Product Width      | 32 mm[1.26 in]    |
| Row-to-Row Spacing | 5 mm[.197 in]     |
| Product Length     | 82.5 mm[3.248 in] |
| Connector Height   | 31.5 mm[1.24 in]  |

Packaging Features

|                  |     |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

Mechanical Attachment

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

Other

|                                      |           |
|--------------------------------------|-----------|
| Serviceable                          | No        |
| Connector Position Assurance Capable | No        |
| EU RoHS Compliance                   | Compliant |
| EU ELV Compliance                    | Compliant |



Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | PBT GF        |
| Centerline (Pitch) | 5 mm[.197 in] |

Contact Features

|                              |                |
|------------------------------|----------------|
| Contact Size                 | 2.8mm          |
| Contact Type                 | Receptacle     |
| Mating Tab Width             | 2.8 mm[.11 in] |
| Contact Current Rating (Max) | 30 A           |

Product Type Features

|                                   |                              |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector          | No                           |
| Connector Shape                   | Rectangular                  |
| Connector & Housing Type          | Housing for Female Terminals |
| Connector System                  | Wire-to-Board                |
| Sealable                          | No                           |
| Primary Locking Feature           | On the Terminal              |
| Connector & Contact Terminates To | Wire & Cable                 |

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 29 |
| Number of Rows      | 3  |

Electrical Characteristics

|                              |            |
|------------------------------|------------|
| Nominal Voltage Architecture | 24 V, 12 V |
|------------------------------|------------|

Body Features

|                         |       |
|-------------------------|-------|
| Primary Product Color   | Black |
| Connector & Keying Code | A1    |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 130 °C[266 °F]             |
| Operating Temperature Range | -40 – 130 °C[-40 – 266 °F] |

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | 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                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                          |
| 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 # 962370-1  
SCHIEBER F42/29P GH

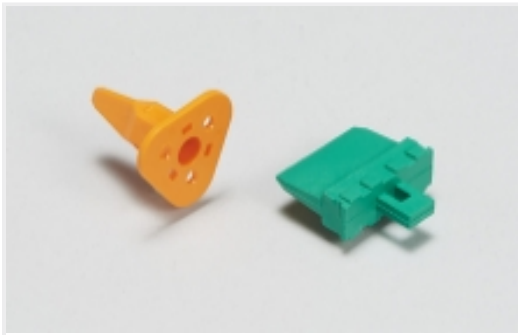
TE Part # 1-963448-2  
2,8MESSERLEISTE 29P

Also in the Series | Junior Power Timer





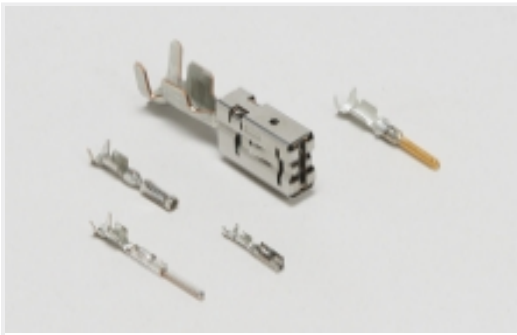
Automotive Connector Caps & Covers  
(9)



Automotive Connector Locks &  
Position Assurance(8)



Automotive Housings(285)



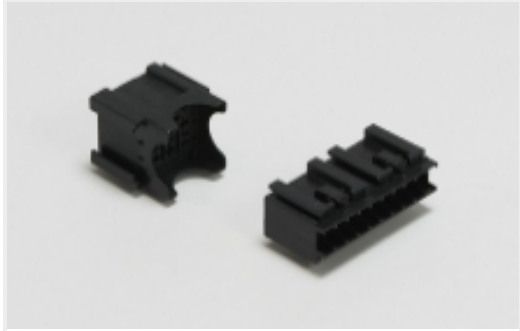
Automotive Terminals(153)



Busbars & Terminals(1)



Insertion & Extraction Tools(8)



Module Components(1)

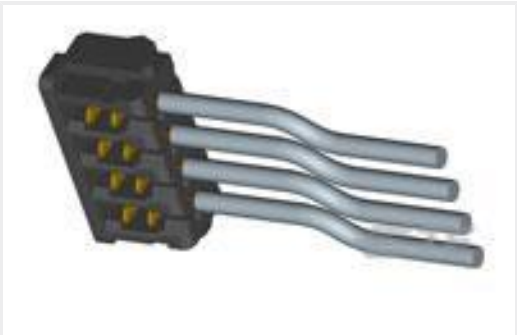


Other Automotive Connector  
Accessories(2)



Special Purpose Terminals(2)

Customers Also Bought



TE Part #2-179694-6  
CT MT REC ASSY 6P GRAY



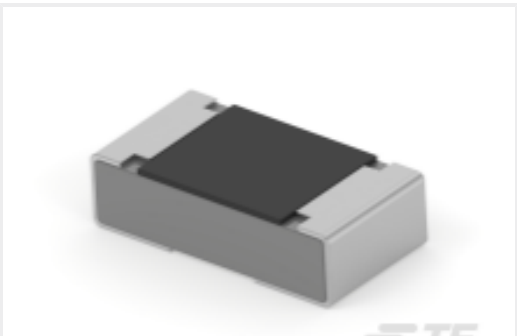
TE Part #1676353-3  
RN 0805 49K9 0.1% 10PPM 5KRL



TE Part #484719-E  
M12 MALE, A CODE, 5P, 10.5MM SMT



TE Part #770250-1  
UMNL II PIN PTPBR LP 20-14



TE Part #3-2176480-2  
RA73F 1J 1K15 0.1% 5K RL



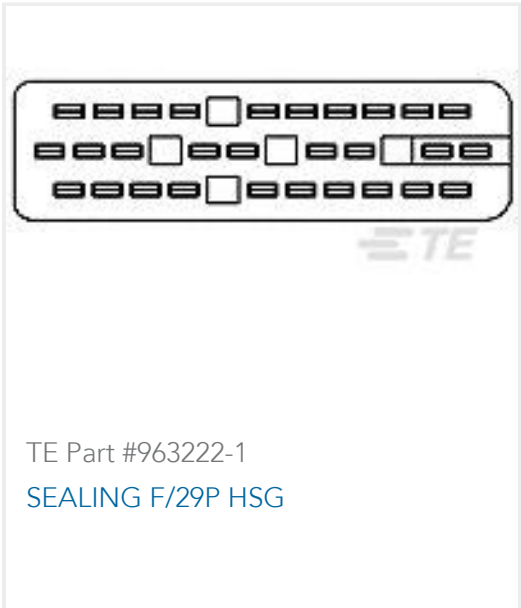
TE Part #1-963214-1  
10P J-P-T GEH KOMPL



TE Part #929937-6  
JPT REC 2.8 Contact SWS Ag



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



Documents

Product Drawings

[JPT GEH KOMPL 29P](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-963449-2\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-963449-2\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-963449-2\\_A.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[889759\\_3\\_Timer\\_Interconnection\\_System](#)

English