



Connectors > Automotive Connectors > Automotive Housings



Connector System: **Wire-to-Board, Wire-to-Wire**  
Number of Positions: **28**  
Connector & Housing Type: **Housing for Female Terminals**  
Centerline (Pitch): **4.3 mm [ .169 in ]**  
Sealable: **Yes**

Features

Product Type Features

|                                   |                              |
|-----------------------------------|------------------------------|
| Connector Shape                   | Rectangular                  |
| Connector System                  | Wire-to-Board, Wire-to-Wire  |
| Connector & Housing Type          | Housing for Female Terminals |
| Sealable                          | Yes                          |
| Connector & Contact Terminates To | Wire & Cable                 |
| Primary Locking Feature           | On the Terminal              |

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 28 |
| Number of Rows      | 4  |

Electrical Characteristics

|                              |        |
|------------------------------|--------|
| Operating Voltage            | 12 VDC |
| Nominal Voltage Architecture | 12 V   |

Body Features

|                         |         |
|-------------------------|---------|
| Cable Exit Angle        | 90°     |
| Primary Product Color   | Black   |
| Connector & Keying Code | Neutral |

Contact Features

|              |       |
|--------------|-------|
| Contact Size | 1.6mm |
|--------------|-------|



|                              |                 |
|------------------------------|-----------------|
| Contact Type                 | Receptacle      |
| Mating Tab Width             | 1.6 mm[.062 in] |
| Contact Current Rating (Max) | 10 A            |

Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Terminal Position Assurance | Yes                        |
| Strain Relief               | Without                    |
| Mating Alignment Type       | Polarization Slot          |
| Mating Alignment            | With                       |
| Connector Mounting Type     | Cable Mount (Free-Hanging) |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | PBT GF          |
| Centerline (Pitch) | 4.3 mm[.169 in] |

Dimensions

|                    |                                |
|--------------------|--------------------------------|
| Connector Height   | 33.5 mm[1.319 in]              |
| Product Width      | 46 mm[1.811 in]                |
| Product Length     | 58 mm[2.283 in]                |
| Row-to-Row Spacing | 3.6 mm, 4 mm[.141 in][.157 in] |

Usage Conditions

|                             |                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------|
| Operating Temperature (Max) | 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C<br>[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F] |
| Operating Temperature Range | -40 - 120 °C[-40 - 248 °F]                                                                    |

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 360 |
| Packaging Method   | Box |

Other

|                                      |     |
|--------------------------------------|-----|
| Serviceable                          | Yes |
| Connector Position Assurance Capable | No  |

Product Compliance

For compliance documentation, visit the product page on TE.com>

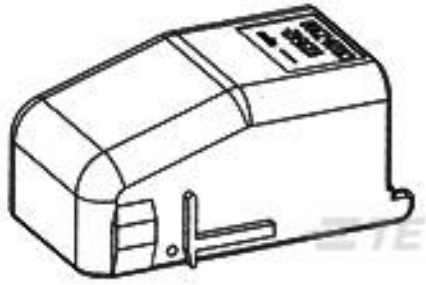


|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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



TE Part # 1393454-1  
V23542C1028Z100=28P ABDECKKAPP

TE Part # 1411200-2  
HOUSG28P F80P CONN.

TE Part # 1411203-1  
SLIDE FOR 28 POSN. CONNECTOR

TE Part # 1411206-1  
SECONDARY LOCK 1 28 POS

TE Part # 1411207-1  
RADIAL SEAL F28



Also in the Series | Standard Power Timer

|                         |                          |                                 |                      |
|-------------------------|--------------------------|---------------------------------|----------------------|
|                         |                          |                                 |                      |
| Automotive Housings(32) | Automotive Terminals(58) | Insertion & Extraction Tools(1) | Module Components(3) |

Customers Also Bought

|                                                                  |                                                                |                                                              |                                                               |
|------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|
| <br>TE Part # 1456471-2<br>8p Hybrid 0.64/2.8 Unsealed Plug Assy | <br>TE Part # 1-2112780-5<br>18POS, MIXED,REC HSG,ASSY, SEALED | <br>TE Part # 4-2112594-1<br>MQS, CONNECTOR HOUSING          | <br>TE Part # 1393450-3<br>V23542C1052B102=52P KABELBAUM-     |
| <br>TE Part # 1393454-2<br>V23542C1028Z102=28P ABDECKKAPP        | <br>TE Part # 1393454-7<br>V23542C1052Z102=52P ABDECKKAPP      | <br>TE Part # 172434-1<br>POSITIVE LOCK 250 (6.3 MM) HOUSING | <br>TE Part # 2203770-2<br>2POS, MCON 1.2 CB TAB 1p TL SEALED |
| <br>TE Part # 2177472-1<br>73POS, MIXED,REC HSG,ASSY,BK          |                                                                |                                                              |                                                               |

Documents

- Product Drawings
- V23542C1028B102=28P KABELBAUMS
- English
- V23542C1028B102=28P KABELBAUMS
- German

CAD Files



Customer View Model

[ENG\\_CVM\\_CVM\\_1393436-2\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1393436-2\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1393436-2\\_B.3d\\_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English