



Connectors > Automotive Connectors > Automotive Housings > MULTILOCK, CONNECTOR HOUSING



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

Number of Positions: **40**

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

Centerline (Pitch): **3.6 mm [ .142 in ]**

Sealable: **Yes**

[All MULTILOCK, CONNECTOR HOUSING \(393\)](#)

Features

Product Type Features

|                          |                               |
|--------------------------|-------------------------------|
| Mixed & Hybrid Connector | No                            |
| Connector Shape          | Rectangular                   |
| Connector System         | Wire-to-Board, Wire-to-Device |
| Connector & Housing Type | Housing for Female Terminals  |
| Sealable                 | Yes                           |
| Primary Locking Feature  | Integrated in Housing         |

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 40 |
| Number of Rows      | 4  |

Electrical Characteristics

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

Body Features

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

Contact Features

|  |  |
|--|--|
|  |  |
|--|--|



|                  |               |
|------------------|---------------|
| Contact Size     | 1mm           |
| Contact Type     | Receptacle    |
| Mating Tab Width | 1 mm[.039 in] |

Mechanical Attachment

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

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | PBT             |
| Centerline (Pitch) | 3.6 mm[.142 in] |

Dimensions

|                    |                   |
|--------------------|-------------------|
| Connector Height   | 26.7 mm[1.051 in] |
| Product Width      | 35.6 mm[1.401 in] |
| Product Length     | 45.7 mm[1.799 in] |
| Row-to-Row Spacing | 2.54 mm[.1 in]    |

Usage Conditions

|                             |                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature (Max) | 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F] |
| Operating Temperature Range | -40 – 120 °C[-40 – 248 °F]                                                                                                                |

Operation/Application

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

Packaging Features

|                    |    |
|--------------------|----|
| Packaging Quantity | 50 |
|--------------------|----|

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)<br>Candidate List Declared Against: JUNE 2022 (224)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                    |

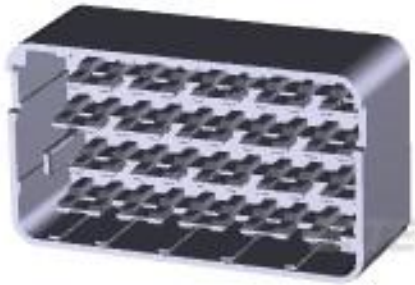
Product Compliance Disclaimer

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 # 175197-2  
040 REC FOR 120P ECU CONN



TE Part # 178413-7  
40P D.L.P FOR 120P ECU PLUG

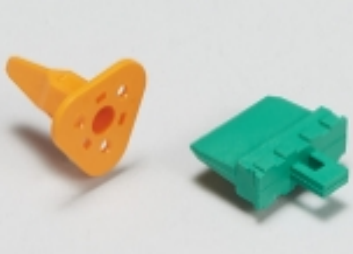


TE Part # 178421-7  
CAVITY PLUG FOR 120P ECU CONN

Also in the Series | Multilock Connector System



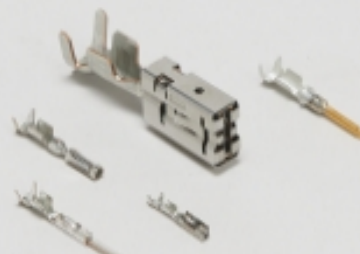
Automotive Connector Caps & Covers (10)



Automotive Connector Locks & Position Assurance(3)



Automotive Housings(445)



Automotive Terminals(117)



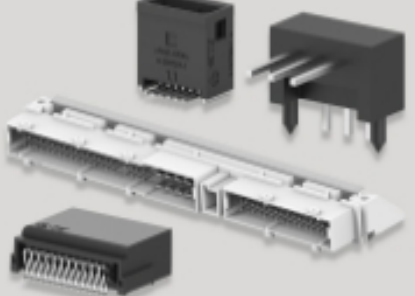
Connector Seals & Cavity Plugs(2)



Insertion & Extraction Tools(6)



Other Automotive Connector Accessories(12)



PCB Headers & Receptacles(134)

Customers Also Bought



TE Part #917354-1  
AMP POWER D/LOCK PLUG HDR 12P



TE Part #353891-1  
POWER D/LOCK D.L.P 6P



TE Part #368049-1  
E-J MK-II(+) 16P PLUG DBL



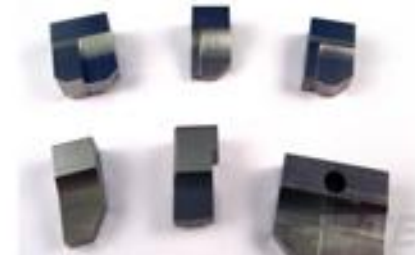
TE Part #1-900325-9  
070 RUBBER PLUG M



TE Part #170003-5  
SHUR PLUG 156 REC 20-14 AWG TPBR

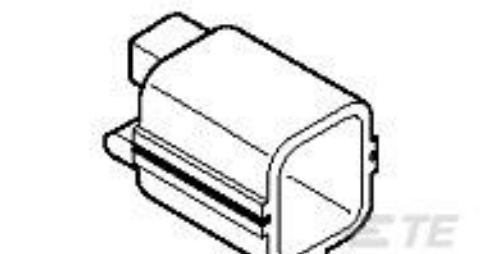


TE Part #2822388-1  
ECONOSEAL, CONNECTOR HOUSING



TE Part #3-1333206-9  
ANVIL, COMB. (.100)

TE Part #5-22280-0  
SPRING, COMPRESSION



TE Part #1-174880-1  
E-J MK-2 CAP HSG 1P NATURAL

Documents

Product Drawings

40P PLUG HSG ASSY FOR 120P ECU

English

CAD Files

Customer View Model

ENG\_CVM\_178409-6\_B.3d\_igs.zip

English

Customer View Model



[ENG\\_CVM\\_178409-6\\_B.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_178409-6\\_B.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**

**MULTILOCK Connector System**

English

**Product Specifications**

**Product Specification**

Japanese

**Product Specification**

Japanese

**Instruction Sheets**

**Customer Manual (non U.S.)**

English

**.040 SERIES WATERPROOF TYPE PAIR MATE CONNECTOR**

English