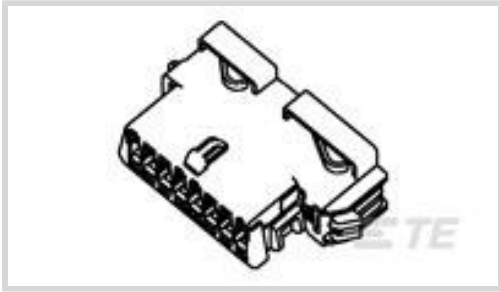




Connectors > Automotive Connectors > Automotive Housings > MULTILOCK, CONNECTOR HOUSING



Number of Positions: 16

Connector & Housing Type: Housing for Female Terminals

Mating Tab Width: 1.5 mm [.059 in]

Connector System: Wire-to-Wire

Centerline (Pitch): 4 mm [.157 in]

[All MULTILOCK, CONNECTOR HOUSING \(146\)](#)

Features

Dimensions

|                    |                  |
|--------------------|------------------|
| Row-to-Row Spacing | 8.6 mm[.338 in]  |
| Product Width      | 27 mm[1.06 in]   |
| Product Length     | 49.7 mm[1.95 in] |
| Connector Height   | 22.8 mm[.897 in] |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 576 |
| Packaging Method   | Box |

Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Strain Relief               | Without                    |
| Terminal Position Assurance | No                         |
| Mating Alignment Type       | Polarizing Slot            |
| 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

Electrical Characteristics

|                              |        |
|------------------------------|--------|
| Operating Voltage            | 48 VDC |
| Nominal Voltage Architecture | 48 V   |

Body Features

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

Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | PA             |
| Centerline (Pitch) | 4 mm [.157 in] |

Contact Features

|                              |                  |
|------------------------------|------------------|
| Contact Size                 | 1.5mm            |
| Contact Type                 | Receptacle       |
| Mating Tab Width             | 1.5 mm [.059 in] |
| Contact Current Rating (Max) | 16 A             |

Product Type Features

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

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 16 |
| Number of Rows      | 2  |

Usage Conditions

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

|                                              |                                                |
|----------------------------------------------|------------------------------------------------|
| TE Part # 953489-3<br>16W DIAG MAIN RCPT HSG | TE Part # 953488-1<br>16W DIAG SECOND RCPT HSG |
|----------------------------------------------|------------------------------------------------|

Also in the Series | [Multilock .070](#)





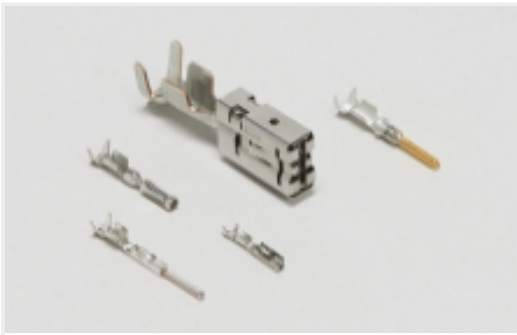
Automotive Connector Caps & Covers  
(6)



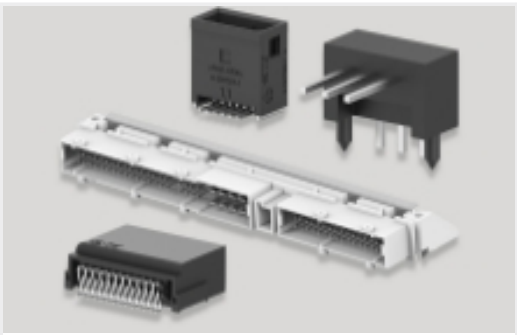
Automotive Headers(84)



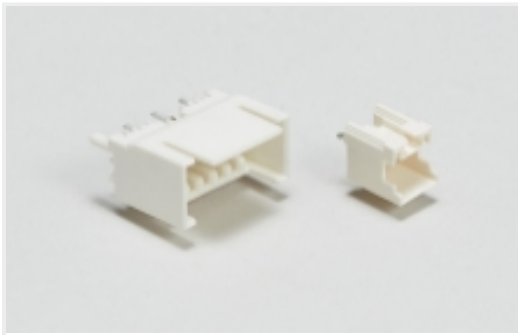
Automotive Housings(165)



Automotive Terminals(84)



PCB Headers & Receptacles(84)



Wire-to-Board Headers & Receptacles  
(82)

Also in the Series | **Multilock Connector System**



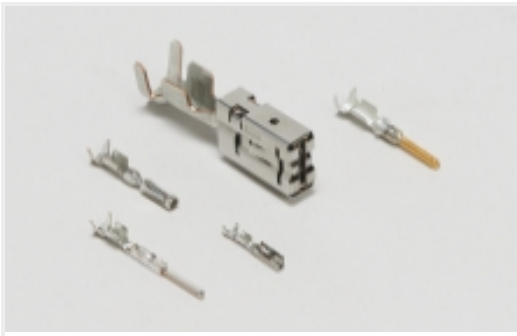
Automotive Connector Caps & Covers  
(6)



Automotive Headers(84)



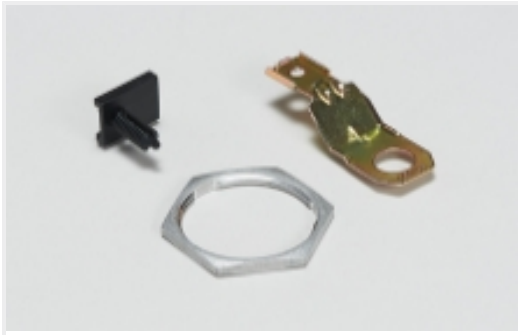
Automotive Housings(165)



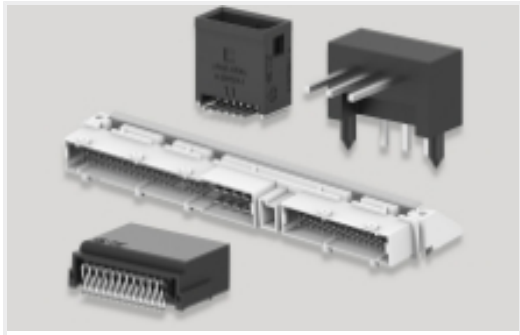
Automotive Terminals(84)



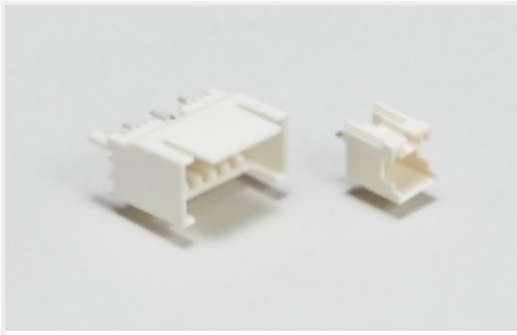
Insertion & Extraction Tools(6)



Other Automotive Connector  
Accessories(4)



PCB Headers & Receptacles(84)



Wire-to-Board Headers & Receptacles  
(82)

Customers Also Bought



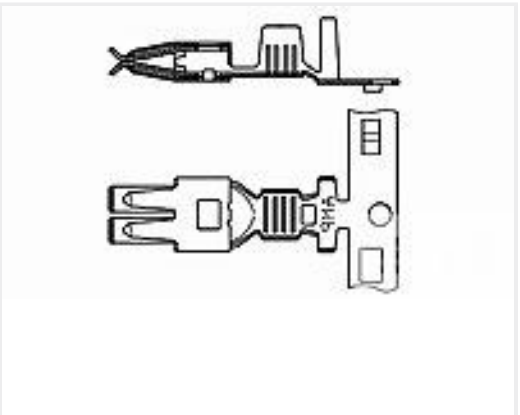
TE Part #1060-16-0688  
PIN, SF, SIZE 16, 16-20, PD/NI/AU



TE Part #CAT-M8793-CH8172  
MQS, CONNECTOR HOUSING



TE Part #1-1718562-1  
REC. HSG., 4POSN., RAD. SEAL, AMP MCP2.8K



TE Part #963892-1  
STECKHUELSE 6,3



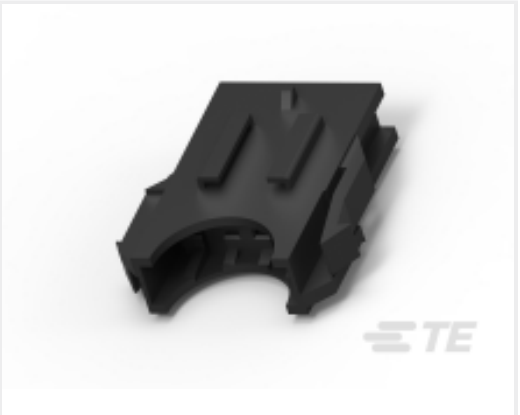
TE Part #1379095-1  
COV+LEV MQS 12W 0DEG BROW



TE Part #1379101-5  
COV+LEV MQS 18W 90DEG GREEN



TE Part #1801175-1  
2W RECEPTACLE HP CONNECTOR BLACK



TE Part #1544434-1  
BOITIER PC 2 VOIES

Documents

Product Drawings

16W DIAG RCPT HSG ASSY

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_953490-3\_E.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_953490-3\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_953490-3\_E.3d\_stp.zip

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

French

Instruction Sheets

PORTE-CLIPS 16 VOIES PRISE DIAGNOSTIC OBD2



953490-3

16 Position Housing, Housing for Female Terminals, Wire-to-Wire, 4 mm [.157 in]  
Centerline, Green, Wire & Cable, Power, Hybrid



French

[Instruction Sheet \(non U.S.\)](#)

French