



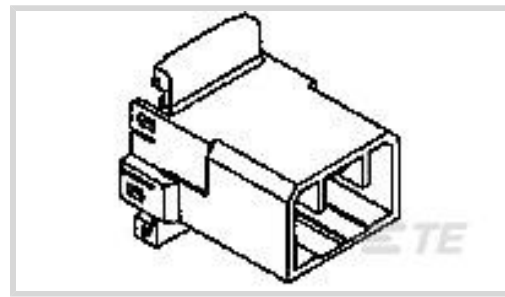
AMP | Multilock Connector System

TE Internal #: 174933-2

Housing for Female Terminals, Wire-to-Wire, 12 Position, Black, Signal, Cable Mount (Free-Hanging), Multilock Connector System

[View on TE.com >](#)

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



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

Mating Tab Width: **1.8 mm [ .071 in ]**

Connector System: **Wire-to-Wire**

Number of Positions: **12**

Sealable: **No**

[All MULTILOCK, CONNECTOR HOUSING \(573\)](#)

## Features

### Product Type Features

|                          |                              |
|--------------------------|------------------------------|
| Connector Shape          | Rectangular                  |
| Connector & Housing Type | Housing for Female Terminals |
| Connector System         | Wire-to-Wire                 |
| Sealable                 | No                           |
| Hybrid Connector         | No                           |

### Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 12 |
| Number of Rows      | 2  |

### Body Features

|                       |       |
|-----------------------|-------|
| Body Material         | PBT   |
| Primary Product Color | Black |

### Contact Features

|                  |                 |
|------------------|-----------------|
| Contact Size     | 1.8mm           |
| Contact Type     | Receptacle      |
| Mating Tab Width | 1.8 mm[.071 in] |

### Mechanical Attachment

|                  |         |
|------------------|---------|
| Mounting Feature | Without |
|------------------|---------|



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

### Dimensions

|                    |                  |
|--------------------|------------------|
| Product Width      | 18.2 mm[.717 in] |
| Product Length     | 32.7 mm[1.29 in] |
| Product Height     | 31.4 mm[1.24 in] |
| Row-to-Row Spacing | 3 mm[.118 in]    |

### Usage Conditions

|                             |   |
|-----------------------------|---|
| Operating Temperature (Max) | 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F] |
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F]  |

### Operation/Application

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

### Packaging Features

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

### Other

|                                      |    |
|--------------------------------------|----|
| 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 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<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



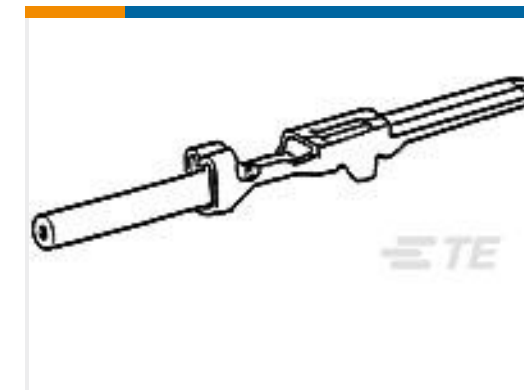
TE Part # CAT-M9194-CH8172  
MULTILOCK, CONNECTOR HOUSING



TE Part # CAT-M9194-T273  
MULTILOCK, RECEPTACLE AND TAB



TE Part # 175029-1  
070 TAB CONTACT L.P 24-22



TE Part # 175030-3  
070 TAB CONTACT L/P

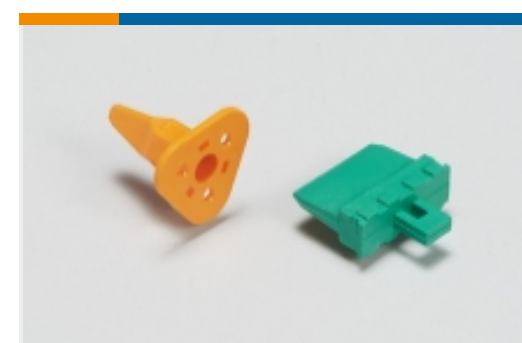
### Also in the Series | Multilock Connector System



Automotive Connector Caps & Covers (16)



Automotive Connector EMC Shielding (1)



Automotive Connector Locks & Position Assurance(2)



Automotive Housings(572)



Automotive Seals & Cavity Plugs(2)



Automotive Terminals(140)



Insertion & Extraction Tools(6)



Other Automotive Connector Accessories(9)



PCB Headers & Receptacles(127)

## Documents

### Product Drawings

[070 MLC W-W CAP HSG 12P B](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_174933-2\\_K.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_174933-2\\_K.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_174933-2\\_K.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](#)

Japanese