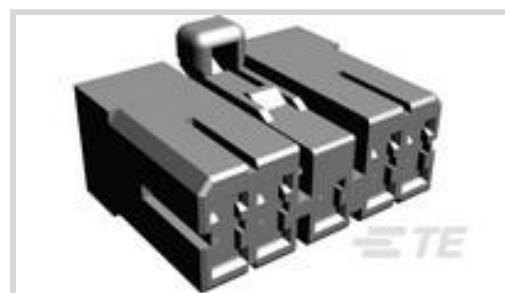# 172496-1  ✔ ACTIVE

[AMP](#) | [Mark II](#)

TE Internal #: 172496-1

Housing for Female Terminals, Wire-to-Device / Wire-to-Board / Wire-to-Wire, 9 Position, .197 in / .276 in [7 mm / 5 mm] Centerline, Natural, Mark II

[View on TE.com >](#)

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Connectors > Automotive Connectors > Connector Housings



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

Mating Tab Width:   **3 mm [ .118 in ]**

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

Number of Positions:   **9**

Centerline (Pitch):   **5 mm, 7 mm [ .197 in, .276 in ]**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Positions | 9 |
| Number of Rows | 2 |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| Cable Exit Angle | 180° |
| Body Material | PA |
| Primary Product Color | Natural |

### Contact Features

172496-1

Housing for Female Terminals, Wire-to-Device / Wire-to-Board / Wire-to-Wire, 9
Position, .197 in / .276 in [7 mm / 5 mm] Centerline, Natural, Mark II

| Contact Size | 3mm |
|---|---|
| Contact Type | Receptacle |
| Mating Tab Width | 3 mm[.118 in] |

## Mechanical Attachment

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

## Housing Features

| Centerline (Pitch) | 5 mm, 7 mm[.197 in][.276 in] |
|---|---|

## Dimensions

| Product Width | 30 mm[1.181 in] |
|---|---|
| Product Length | 24 mm[.945 in] |
| Product Height | 18.8 mm[.74 in] |
| Row-to-Row Spacing | 3.4 mm[.134 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 |
|---|---|

## Industry Standards

| UL Flammability Rating | UL 94V-2 |
|---|---|

## Packaging Features

| Packaging Method | Bag & Box |
|---|---|

## Other

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

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Housing for Female Terminals, Wire-to-Device / Wire-to-Board / Wire-to-Wire, 9
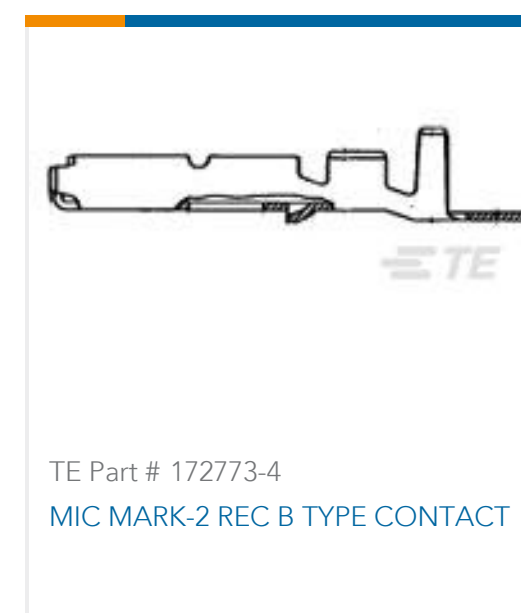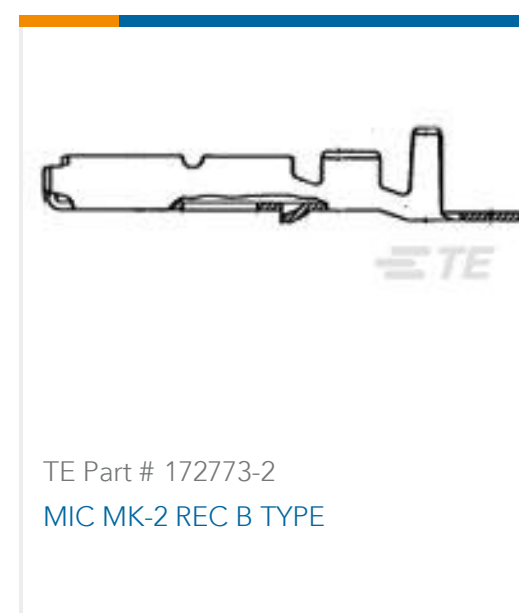Position, .197 in / .276 in [7 mm / 5 mm] Centerline, Natural, Mark II

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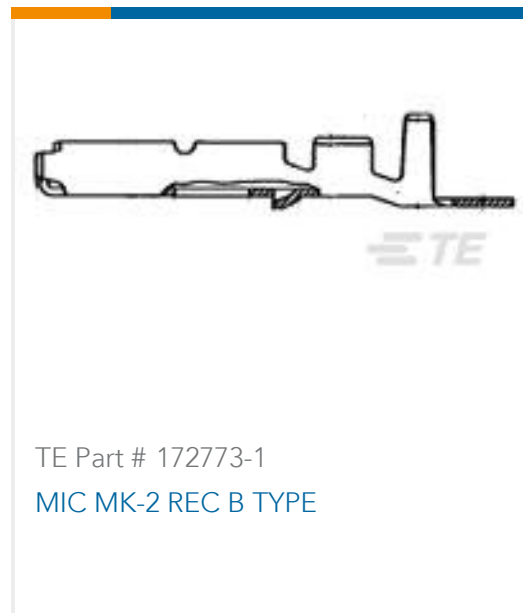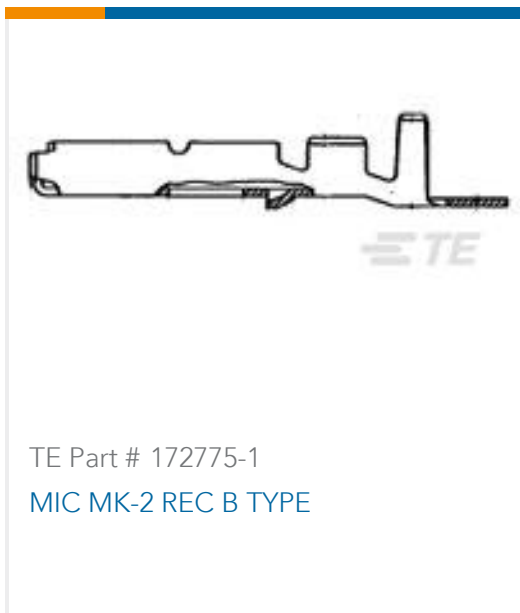
For compliance documentation, visit the product page on TE.com>

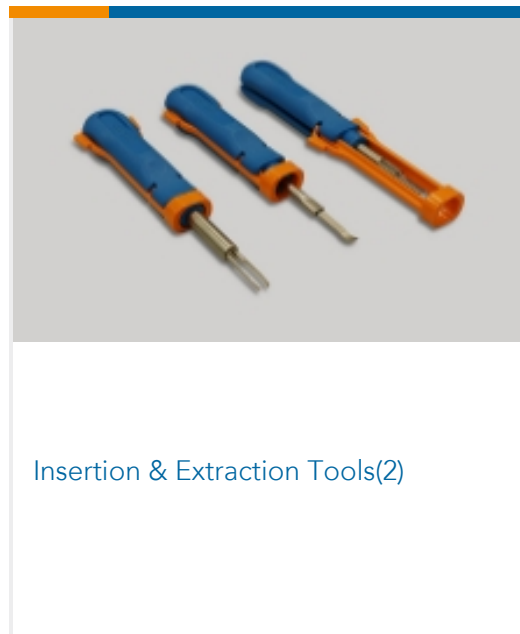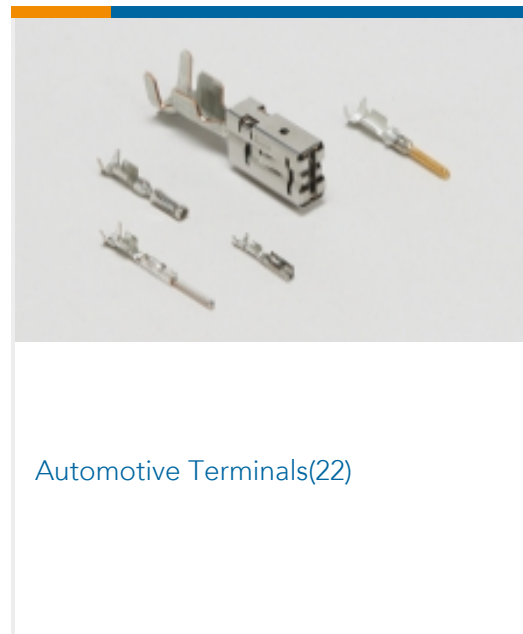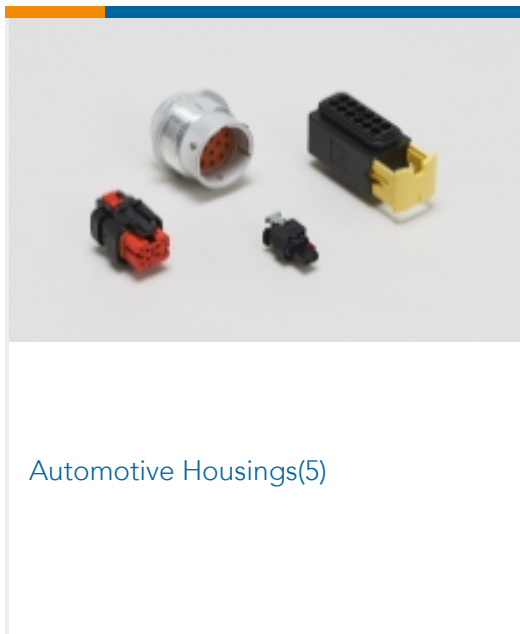| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JAN 2022 (223)<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 # 172774-1
RECP CONT MULTILOCK MIC MARKII

TE Part # 172774-4
MIC MK-II LP

TE Part # 172773-2
MIC MK-2 REC B TYPE

TE Part # 172773-4
MIC MARK-2 REC B TYPE CONTACT

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Housing for Female Terminals, Wire-to-Device / Wire-to-Board / Wire-to-Wire, 9 Position, .197 in / .276 in [7 mm / 5 mm] Centerline, Natural, Mark II

TE Part # 172775-1
MIC MK-2 REC B TYPE



TE Part # 172773-1
MIC MK-2 REC B TYPE



TE Part # 172774-2
MIC MK-2 REC CONTACT LP



TE Part # 172773-5
MIC MK-2 REC KLF-5



TE Part # 172776-1
MIC MARK-2 REC CONTACT L.P



TE Part # 172775-2
MIC MK-2 REC CONTACT AU



TE Part # 172776-2
MIC MK-2 REC CONTACT GOLD

## Also in the Series | Mark II



Automotive Housings(5)



Automotive Terminals(22)



Insertion & Extraction Tools(2)

## Documents

### Product Drawings
MIC PLUG HSG 9P (MK II)

English

### CAD Files
Customer View Model
ENG_CVM_172496-1_A.3d_igs.zip

English

Customer View Model
ENG_CVM_172496-1_A.3d_stp.zip

English

Customer View Model
ENG_CVM_172496-1_A.2d_dxf.zip

English

3D PDF

English

172496-1

Housing for Female Terminals, Wire-to-Device / Wire-to-Board / Wire-to-Wire, 9
Position, .197 in / .276 in [7 mm / 5 mm] Centerline, Natural, Mark II

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Product Specifications

### Multi-Interlock Mark II Connector for Wire to Board Termination

English

### Product Specification

English

### Product Specification

English

### Multi-Interlock Mark II Connector for Wire to Wire Termination

English

## Product Environmental Compliance

### Product Compliance

English

### Product Compliance

English

## Instruction Sheets

### Multi Interlock Connector Mark II

English

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

English

## Agency Approvals

### Agency Approval Document

English