# 172496-1 ✔ ACTIVE

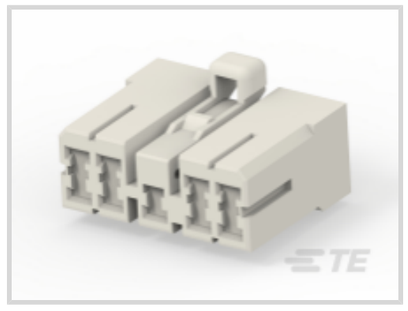
AMP | Mark II

TE Internal #: 172496-1

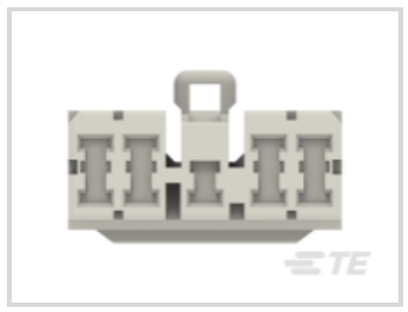
12 V, 9 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 5 mm / 7 mm [.197 in / .276 in] Centerline, Natural, Wire & Cable, Mark II

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings







Nominal Voltage Architecture: **12 V**

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

Number of Positions: **9**

Sealable: **No**

Operating Temperature Range: **-30 – 105 °C [ -22 – 221 °F ]**

## Features

### Product Type Features

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

### 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° |
| Primary Product Color | Natural |

## Contact Features

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

## Mechanical Attachment

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

## Housing Features

| | |
|---|---|
| Housing Material | Nylon 66 |
| Centerline (Pitch) | 5 mm, 7 mm[.197 in][.276 in] |

## Dimensions

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

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |
| Operating Temperature (Max) | 105 °C[221 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

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

## Packaging Features

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

## Other

| | |
|---|---|
| Serviceable | Yes |

| | |
|---|---|
| Connector Position Assurance Capable | No |

## Product Compliance

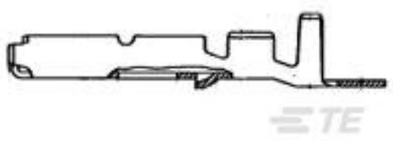
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 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 # 172773-2
MIC MK-2 REC B TYPE



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



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



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



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



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



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



TE Part # 172774-4
MIC MK-II LP



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

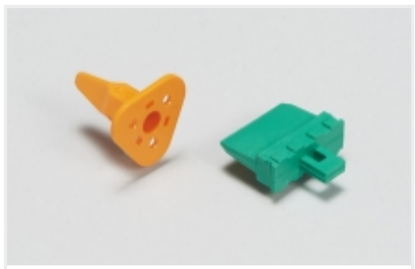


TE Part # 172774-1
RECP CONT MULTILOCK MIC MARKII



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

## Also in the Series | Mark II



Automotive Connector Locks & Position Assurance(1)



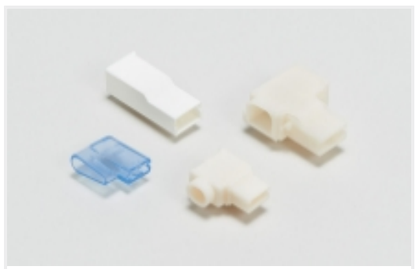
Automotive Housings(6)



Automotive Seals & Cavity Plugs(1)

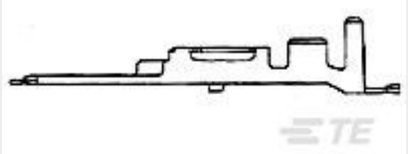


Automotive Signal & Power Connector Housings(6)

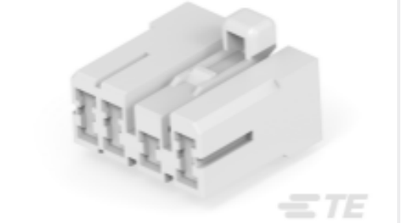


Crimp Terminal Housings(76)

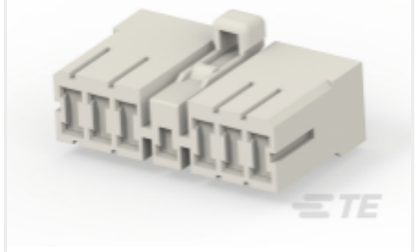
## Customers Also Bought



TE Part #85034-1
MIC MK-2 TAB CONTACT



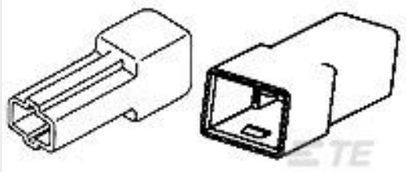
TE Part #172495-1
MIC MK-II PLUG HSG 7P NATURAL



TE Part #172498-1
MIC PLUG HSG 13P (MK II)



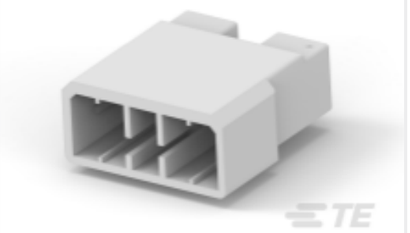
TE Part #172501-1
MIC MARK-2 PLUG HSG 21P



TE Part #2-180916-0
FF 250 TAB HSG 1P NYLON NAT



TE Part #2-1903131-3
DYNAMIC 1200D TAB HSG 6P P/M BLACK Y



TE Part #172506-1
MIC CAP HSG 9P MK II



TE Part #172509-1
MIC CAP HSG 17P MK II



TE Part #172774-4
MIC MK-II LP



TE Part #174397-2
MIC MK-2 DBL LOCK PLATE 9P

## 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

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

## Instruction Sheets

### Multi Interlock Connector Mark II

English

### Multi Interlock Connector Mark II

English

## Agency Approvals

### Agency Approval Document

English