

174663-2 ✓ ACTIVE

AMP | Econoseal, Econoseal J - Mark II

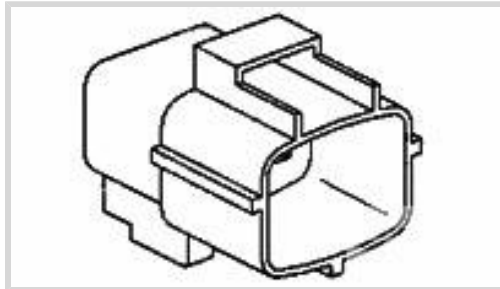
TE Internal #: 174663-2

Housing for Male Terminals, Wire-to-Wire, 12 Position, .189 in [4.8 mm] Centerline, Sealable, Black, Signal, Cable Mount (Free-Hanging), Hybrid

[View on TE.com >](#)



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



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

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

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

Number of Positions: **12**

Centerline (Pitch): **4.8 mm [.189 in]**

[All ECONOSEAL, CONNECTOR HOUSING \(90\)](#)

Features

Product Type Features

| | |
|---------------------------|----------------------------|
| Connector & Housing Shape | Rectangular |
| Connector & Housing Type | Housing for Male Terminals |
| Connector System | Wire-to-Wire |
| Sealable | Yes |
| Hybrid Connector | No |
| Primary Locking Feature | Integrated in Housing |

Configuration Features

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

Electrical Characteristics

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

Body Features

| | |
|-----------------------|-------|
| Cable Exit Angle | 180° |
| Body Material | PBT |
| Primary Product Color | Black |



Contact Features

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

Mechanical Attachment

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

Housing Features

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 4.8 mm[.189 in] |
|--------------------|-----------------|

Dimensions

| | |
|--------------------|--------------------|
| Product Width | 37.5 mm[1.476 in] |
| Product Length | 36.5 mm[1.437 in] |
| Product Height | 26.85 mm[1.057 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 |
|---------------------|--------|

Industry Standards

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

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 100 |
| Packaging Method | Bag |

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: JAN 2022 (223)
 Candidate List Declared Against: JAN 2022 (223)
 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

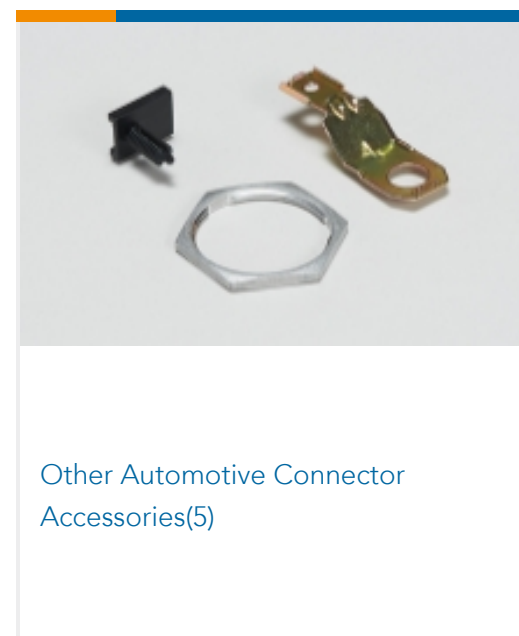
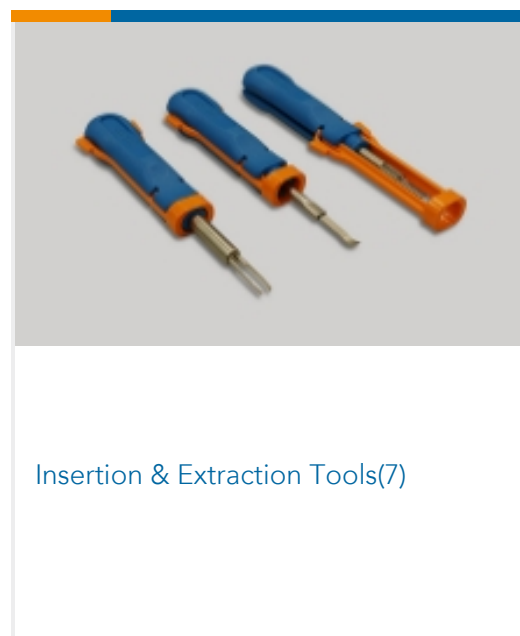
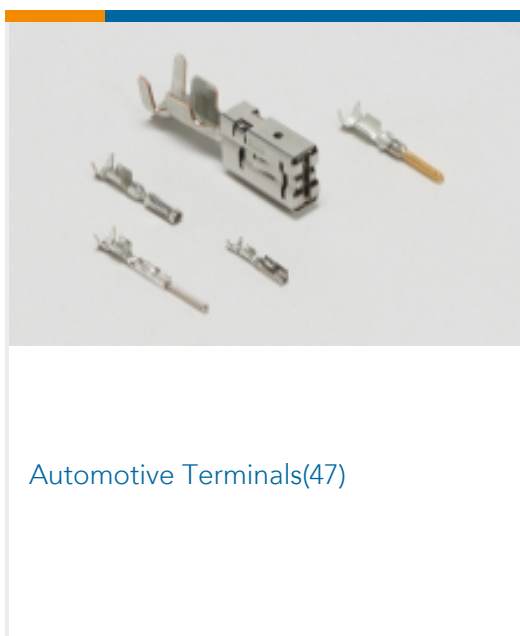
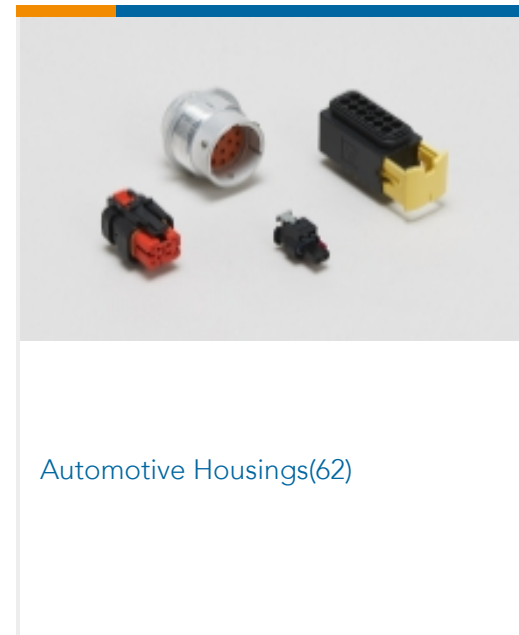
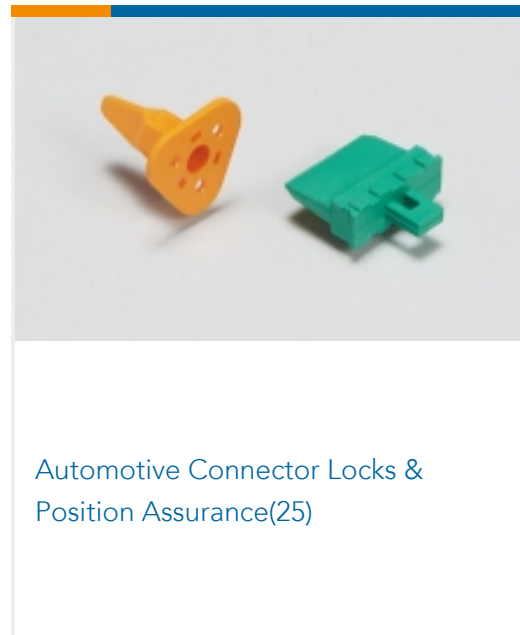
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

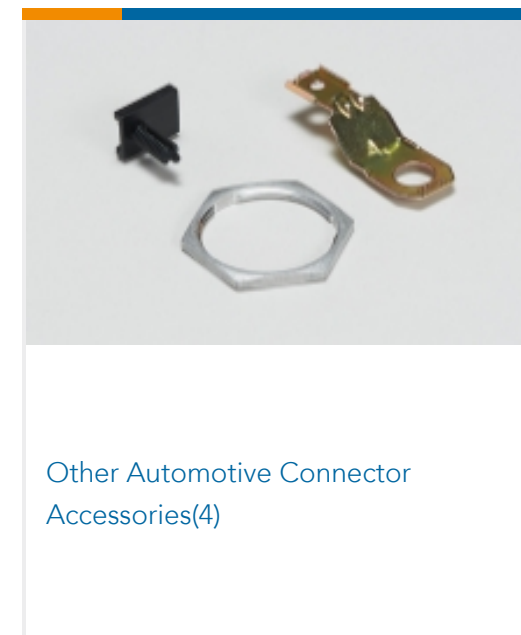
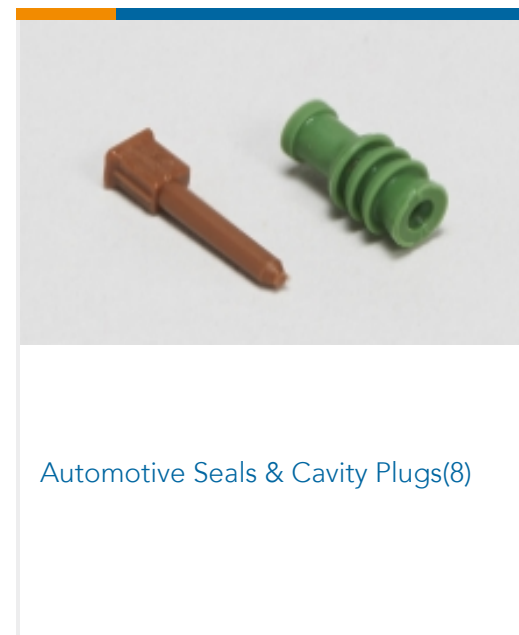
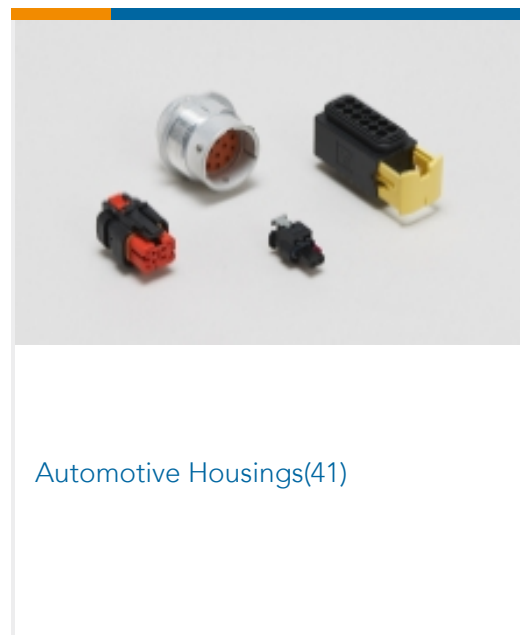




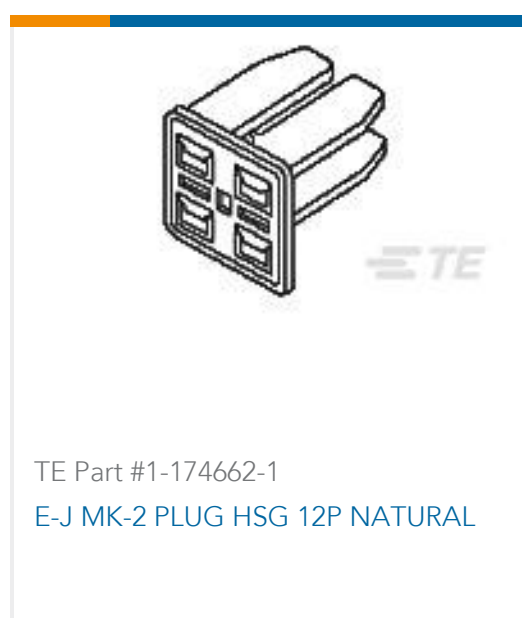
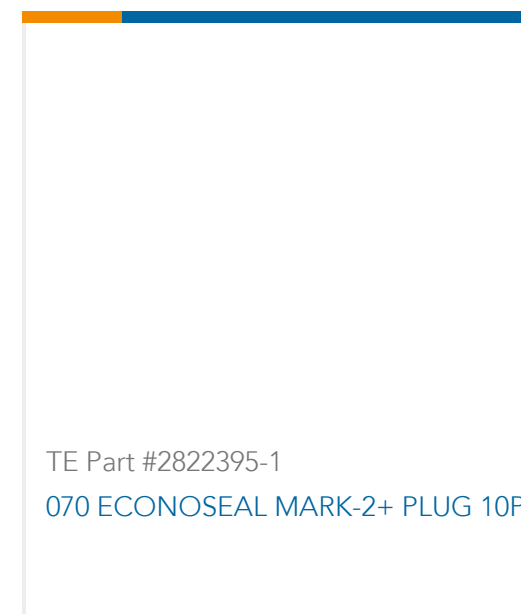
Also in the Series | Econoseal



Also in the Series | Econoseal J - Mark II



Customers Also Bought



Documents

Product Drawings

12 POS HSG MARK II+

English

CAD Files

Customer View Model

[ENG_CVM_CVM_174663-2_C.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_174663-2_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_174663-2_C.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



Econoseal Connector Series

English

Product Specifications

Product Specification

English

Product Specification

Japanese

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Instruction Sheets

ECONOSEAL J MARK II+ CONNECTOR (EJ-MK II+)

English

Customer Manual (non U.S.)

English

ECONOSEAL J MARK II+ CONNECTOR

English

Customer Manual (non U.S.)

English

Agency Approvals

Agency Approval Document

English