

176146-6 ✓ ACTIVE

AMP | Econoseal

TE Internal #: 176146-6

Housing for Female Terminals, Wire-to-Wire, 2 Position, .311 in [7.9 mm] Centerline, Sealable, Gray, Signal, Cable Mount (Free-Hanging), Econoseal

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



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

Mating Tab Width: **4.8 mm [ .189 in ]**

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

Number of Positions: **2**

Centerline (Pitch): **7.9 mm [ .311 in ]**

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

## Features

### Product Type Features

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

### Configuration Features

|                     |   |
|---------------------|---|
| Number of Positions | 2 |
| Number of Rows      | 1 |

### Electrical Characteristics

|                              |        |
|------------------------------|--------|
| Operating Voltage            | 13 VDC |
| Nominal Voltage Architecture | 12 V   |

### Body Features

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



### Contact Features

|                  |                 |
|------------------|-----------------|
| Contact Size     | 4.8mm           |
| Contact Type     | Receptacle      |
| Mating Tab Width | 4.8 mm[.189 in] |

### Mechanical Attachment

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

### Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 7.9 mm[.311 in] |
|--------------------|-----------------|

### Dimensions

|                |                   |
|----------------|-------------------|
| Product Width  | 27.6 mm[1.087 in] |
| Product Length | 31.6 mm[1.244 in] |
| Product Height | 27.5 mm[1.083 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 | 50 |
|--------------------|----|

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

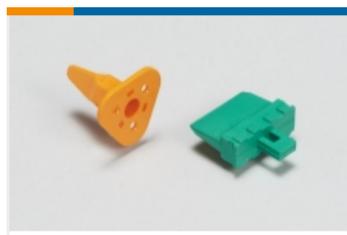
### Product Compliance Disclaimer

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

|   |  |   |
|---|--|---|
|  <p>TE Part # 85024-1<br/>RUBBER PLUG GRAY FOR 187 SEALD</p> |  <p>TE Part # CAT-EC7491-T273<br/>Econoseal Receptacles and Tabs</p> |  <p>TE Part # 176143-6<br/>187 CAP HSG ASSY 2P DARK GRAY</p> |
|---|--|---|

Also in the Series | [Econoseal](#)

Automotive Connector Caps & Covers  
(1)Automotive Connector Locks &  
Position Assurance(25)

Automotive Housings(62)



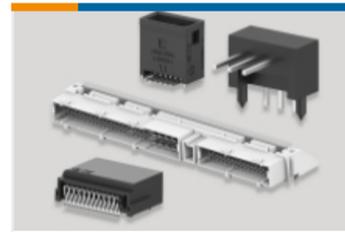
Automotive Seals &amp; Cavity Plugs(17)



Automotive Terminals(47)



Insertion &amp; Extraction Tools(7)

Other Automotive Connector  
Accessories(5)

PCB Headers &amp; Receptacles(4)



Primary Wire(1)

## Documents

### Product Drawings

#### 187 PLUG HSG 2P DARK GRAY

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_176146-6\\_E.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_176146-6\\_E.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_176146-6\\_E.2d\\_dxf.zip](#)

English

### 3D PDF

English

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



## Datasheets & Catalog Pages

### Econoseal Connector Series

English

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## Product Specifications

### Application Specification

English

### Crimping of 187 Series, Waterproof Contact

English

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## Instruction Sheets

### Instruction Sheet (non U.S.)

Japanese