# 176143-2 ✔ ACTIVE

AMP | Econoseal

TE Internal #: 176143-2

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

View on TE.com >

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



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

Number of Positions: **2**

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

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

Sealable: **Yes**

All ECONOSEAL, CONNECTOR HOUSING (89)

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector System | Wire-to-Wire |
| Connector & Housing Type | Housing for Male Terminals |
| Sealable | Yes |
| 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° |
| Primary Product Color | Black |

### Contact Features

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

## Mechanical Attachment

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

## Housing Features

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

## Dimensions

| | |
|---|---|
| Connector Height | 24.1 mm[.949 in] |
| Product Width | 23.3 mm[.917 in] |
| Product Length | 45 mm[1.772 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 |
| 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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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



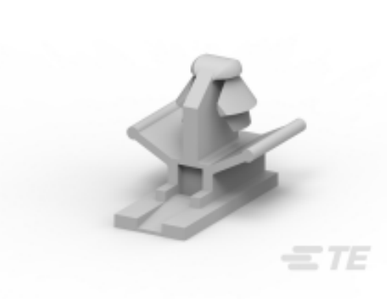
TE Part # 85024-1
RUBBER PLUG GRAY FOR 187 SEALD



TE Part # 176146-2
187 PLUG HSG 2P BLACK

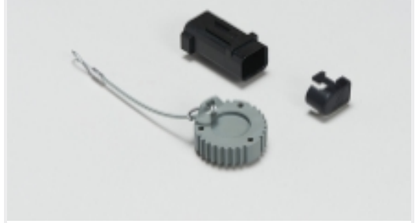


TE Part # 85003-2
187 CLIP HSG

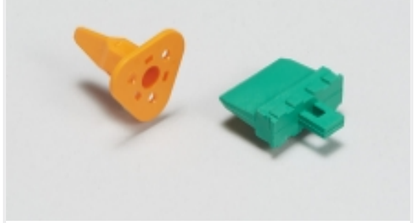


TE Part # 85003-1
187 CLIP HSG

## Also in the Series | Econoseal



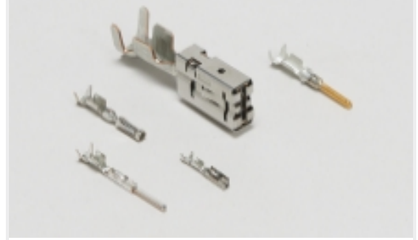
Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(33)



Automotive Housings(102)



Automotive Terminals(43)



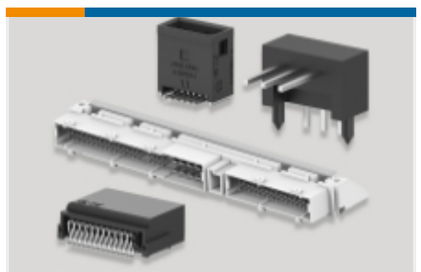
Connector Seals & Cavity Plugs(20)



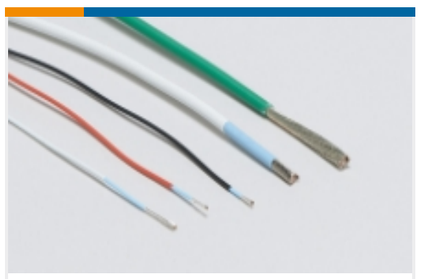
Insertion & Extraction Tools(7)



Other Automotive Connector Accessories(6)



PCB Headers & Receptacles(3)



Primary Wire(1)

## Customers Also Bought



TE Part # 176146-2
187 PLUG HSG 2P BLACK



TE Part # 175088-1
Econoseal Receptacles and Tabs



TE Part # 1897214-1
MCP 6.3 2P PLUG ASSY



TE Part # 1897711-2
MQS 4P PLUG ASSY



TE Part # 368036-1
CLIP FOR 070 & EJ MK-II(DAEWOO



TE Part # 85011-1
RUBBER PLUG FOR SEALED CONN.



TE Part # 1456985-4
1X6 Fem unsealed LP assy Key C w /CPA



TE Part # 1-1719103-1
PCB 2.8 TERMINAL SN



TE Part # 2188250-2
JPT 4P SLD PLUG ASS'Y

## Documents

### Product Drawings

187 CAP HSG ASSY 2P BLACK

English

### CAD Files

Customer View Model

ENG_CVM_CVM_176143-2_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_176143-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_176143-2_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

### Datasheets & Catalog Pages

Econoseal Connector Series

English

### Product Specifications

Product Specification

English

.187 SERIES, SEALED CONNECTOR

English

.187 SERIES, SEALED CONNECTOR

Japanese

Product Specification

Japanese