

176146-2 ✓ ACTIVE

## Econoseal

TE Internal #: 176146-2

12 V, 2 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 7.9 mm [.311 in] Centerline, Sealable, Black, Wire & Cable, Power

[View on TE.com >](#)



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



Nominal Voltage Architecture: 12 V

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

Number of Positions: 2

Sealable: **Yes**

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

[All ECONOSEAL, CONNECTOR HOUSING \(58\)](#)

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	2
Number of Rows	1

### Electrical Characteristics

Operating Voltage	13.2 VDC
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Nominal Voltage Architecture	12 V
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### Body Features

Cable Exit Angle	180 °
Primary Product Color	Black

### Contact Features

Contact Size	4.8mm
Contact Type	Receptacle
Mating Tab Width	4.8 mm[.187 in]
Contact Current Rating (Max)	25 A

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

Product Width	27.6 mm[1.087 in]
Product Length	31.6 mm[1.244 in]
Connector Height	27.5 mm[1.083 in]

### Usage Conditions

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

### Operation/Application

Circuit Application	Power
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### Industry Standards

UL Flammability Rating	UL 94V-2
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### Packaging Features

Packaging Quantity	50
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Packaging Method Tray

**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 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold

EU REACH Regulation (EC) No. 1907/2006  
 Current ECHA Candidate List: JUNE 2025 (250)  
 Candidate List Declared Against: JAN 2025 (247)  
 Does not contain REACH SVHC

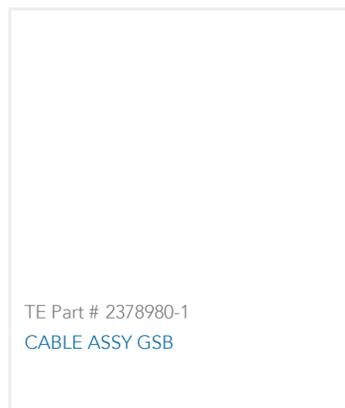
Halogen Content Not Low Halogen - contains Br or Cl > 900 ppm.

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**



## Customers Also Bought



TE Part #063725P034  
ES2000-NO.2-B9-0-35MM



TE Part #193197P024  
ES1000-NO.1-C1-X-40MM



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



TE Part #176143-2  
187 CAP HSG ASSY 2P BLACK



TE Part #368269-2  
CLIP FOR 090 II MLC(KEY HOLE)



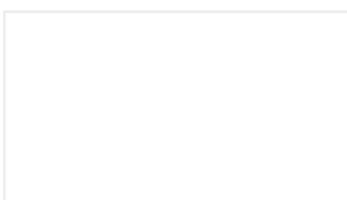
TE Part #1456985-4  
1X6 Fem unsealed LP assy Key C w /CPA



TE Part #1670146-2  
MCON 1.2 CB REC SWS AU



TE Part #1743757-2  
SPT SEALED 3P CAP HSG



TE Part #2340569-1  
COOLING FAN CABLE ASSY GM GEM



TE Part #1534191-1  
MQS BU-GEH EDS 4P

## Documents

### Product Drawings

#### 187 PLUG HSG 2P BLACK

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_176146-2\\_E.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_176146-2\\_E.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_176146-2\\_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