



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 \(87\)](#)

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
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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
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Industry Standards

UL Flammability Rating	UL 94V-2
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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

Customers Also Bought



TE Part #CV25852001
RW-175-E-3/8-X-STK



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



TE Part #175088-1
Econoseal Receptacles and Tabs



TE Part #1897711-2
MQS 4P PLUG ASSY



TE Part #368543-1
070 MLC PLUG 14P HSG

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

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

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

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

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

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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