174984-2 ✔ ACTIVE

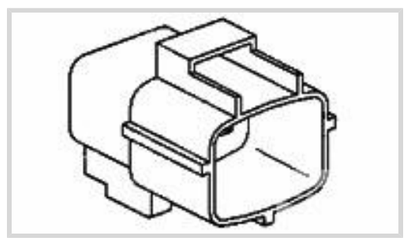
AMP | Econoseal, Econoseal J - Mark II

TE Internal #: 174984-2

Housing for Male Terminals, Wire-to-Wire, 8 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: **8**

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

All ECONOSEAL, CONNECTOR HOUSING (90)

Features

Product Type Features

Connector 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	8
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	Polarizing Rib
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	4.8 mm[.189 in]

Dimensions

Product Width	27.9 mm[1.098 in]
Product Length	36.5 mm[1.437 in]
Product Height	30.7 mm[1.209 in]
Row-to-Row Spacing	10.7 mm, 2.54 mm, 8.31 mm[.1 in][.327 in][.421 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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

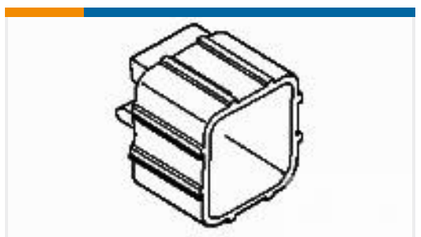
Compatible Parts

TE Part # 1-900325-9
070 RUBBER PLUG M

TE Part # CAT-EC7491-T273
Econoseal Receptacles and Tabs

TE Part # CAT-EC7491-CH8172
ECONOSEAL, CONNECTOR HOUSING

TE Part # 171631-2
070 TAB CONT GOLD

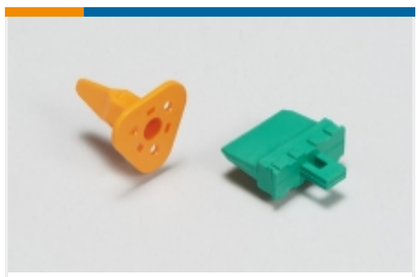


TE Part # 1-174985-1
E-J MK-2 CAP HSG 8P NATURAL

TE Part # 1-174983-1
E-J MK-2 PLUG HSG 8P NATUDRAL

Also in the Series | Econoseal

Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(25)

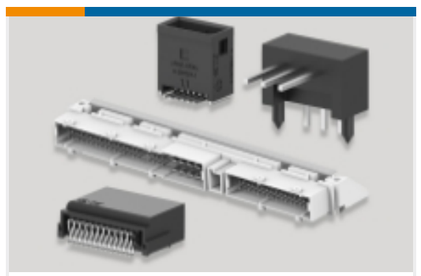
Automotive Housings(62)

Automotive Seals & Cavity Plugs(17)

Automotive Terminals(47)

Insertion & Extraction Tools(7)

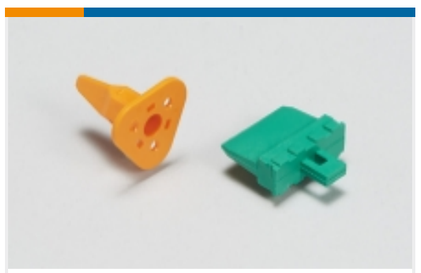
Other Automotive Connector Accessories(5)



PCB Headers & Receptacles(4)

Primary Wire(1)

Also in the Series | Econoseal J - Mark II



Automotive Connector Locks & Position Assurance(18)

Automotive Housings(41)

Automotive Seals & Cavity Plugs(8)

Other Automotive Connector Accessories(4)

Documents

Product Drawings

8 POS. CAP MK II+

English

CAD Files

Customer View Model

ENG_CVM_CVM_174984-2_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_174984-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_174984-2_B.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

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