174663-2 ✓ ACTIVE

Housing for Male Terminals, Wire-to-Wire, 12 Position, .189 in [4.8 mm] Centerline, Sealable, Black, Signal, Cable Mount (Free-Hanging), Econoseal
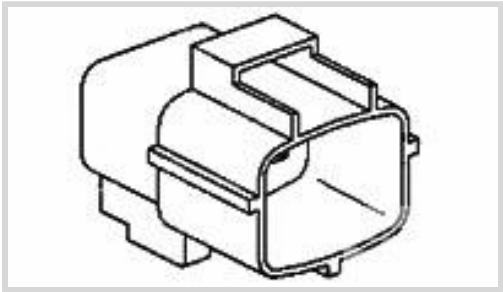
View on TE.com >

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

Connector System: Wire-to-Wire

Number of Positions: 12

Connector & Housing Type: Housing for Male Terminals

Centerline (Pitch):   4.8 mm [.189 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	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

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Contact Size	1.8mm
Contact Type	Tab
Mating Tab Width	1.8 mm[.071 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)	4.8 mm[.189 in]

Dimensions

Connector Height	26.85 mm[1.057 in]
Product Width	37.5 mm[1.476 in]
Product Length	36.5 mm[1.437 in]
Row-to-Row Spacing	3 mm[.118 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

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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)
	Candidate List Declared Against: JAN 2024 (240)
	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 # 174662-7
12 POS PLUG MARK II+

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

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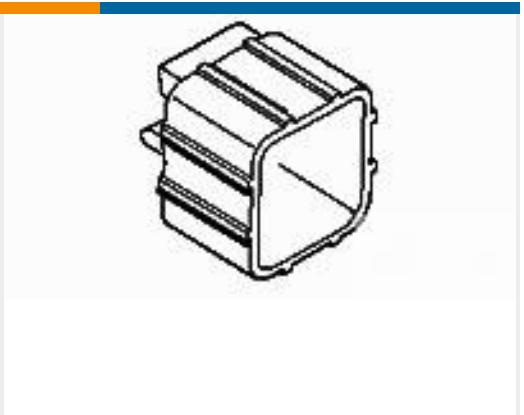Econoseal Receptacles and Tabs

TE Part # 2822638-1
070 ECONOSEAL MARK-2+ PLUG 12P

Housing for Male Terminals, Wire-to-Wire, 12 Position, .189 in [4.8 mm] Centerline, Sealable, Black, Signal, Cable Mount (Free-Hanging), Econoseal

TE Part # 171631-2
070 TAB CONT GOLD
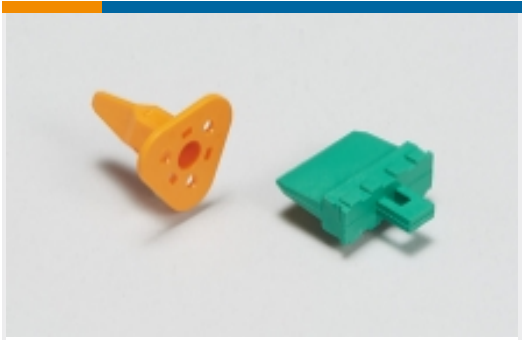
TE Part # 174664-7
12 POS DL PLATE FOR CAP MKII+

TE Part # 1-174664-1
E-J MK-2 CAP HSG 12P NATURAL

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 # 6-1971775-3
PTL 2X3 CAP PANEL MT HIGH TEMP KEY B RED

TE Part # 368049-1
E-J MK-II(+) 16P PLUG DBL

TE Part # 2822638-1
070 ECONOSEAL MARK-2+ PLUG 12P

TE Part # 1123357-1
MULTILOCK, CONNECTOR HOUSING

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TE Part # 1586862-2
2P FH PLUG VAL-U-LOK FH GW

TE Part # 174985-7
8 POS. DL PLATE FOR CAP MK II+

TE Part # 2822395-1
070 ECONOSEAL MARK-2+ PLUG 10P

TE Part # 3-2232701-4
NEW GI CONN2.5 PLUG HSG 3P YLW

TE Part # 1-174664-1
E-J MK-2 CAP HSG 12P NATURAL

Documents

Product Drawings
12 POS HSG MARK II+

English

CAD Files
Customer View Model
ENG_CVM_CVM_174663-2_C1.3d_stp.zip

English

Customer View Model
ENG_CVM_CVM_174663-2_C1.3d_igs.zip

English

3D PDF

3D

Customer View Model
ENG_CVM_CVM_174663-2_C1.2d_dxf.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

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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