

Econoseal J - Mark II

TE Internal #: 444011-1

12 Position Housing, Housing for Female Terminals, Wire-to-Wire, 4.8 mm [.189 in] Centerline, Sealable, Black, Signal, Econoseal J - Mark II

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



Number of Positions: 12

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

Mating Tab Width: 1.8 mm [.071 in]

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

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

[All ECONOSEAL, CONNECTOR HOUSING \(59\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
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

Contact Size	1.8mm
Contact Type	Receptacle
Mating Tab Width	1.8 mm[.071 in]

Mechanical Attachment

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

Housing Features

Housing Material	PBT
Centerline (Pitch)	4.8 mm[.189 in]

Dimensions

Row-to-Row Spacing	5.6 mm[.22 in]
Product Width	27.6 mm[1.087 in]
Product Length	40.6 mm[1.598 in]
Connector Height	33.2 mm[1.307 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 94HB
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Packaging Features

Packaging Quantity	500
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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 2025 (247) Candidate List Declared Against: JUNE 2023 (235) 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 # 444010-1  
KIT ECONOSEAL J 12



TE Part # 174660-2  
E-J MARK 2(+) PLUG HSG 12P



TE Part # 172748-1  
E-J MK-2 070 CAVITY PLUG



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



Also in the Series

Econoseal J - Mark II

Automotive Connector Locks & Position Assurance(3)	Automotive Housings(16)	Connector Seals & Cavity Plugs(5)	Other Automotive Connector Accessories(3)

Customers Also Bought

 10P VAL-U-LOK R/A HDR V2	 TLRP 2512 2.0W R120 1% 75PPM 4K RL	 10P PM PLUG VAL-U-LOK V2	 FF 250 PLUG HSG 2P NYLON BLACK
 AMP MCP 2.8K, CONTACT, SWS	 2P VAL-U-LOK R/A HDR V2	 12P JUNIOR-TIMER GH	 FUSE CONTACT BUS BA
 PROTECT CVR, 102/128P, PLG, YEL, DRB	 POS-MATE REC HSG 4P		

Documents

Product Drawings

KIT ECONOSEAL J 12

English

CAD Files

3D PDF

3D



Customer View Model

[ENG\\_CVM\\_CVM\\_444011-1\\_O.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_444011-1\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_444011-1\\_O.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[Econoseal Connector Series](#)

English