174657-2 ✔ ACTIVE

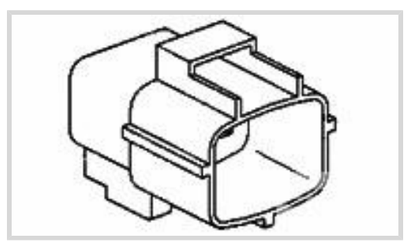
AMP | Econoseal, Econoseal J - Mark II

TE Internal #: 174657-2

Hybrid, Housing for Male Terminals, Wire-to-Wire, 10 Position, 4.8 mm [.189in] Centerline, Sealable, Black, Signal

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: **10**

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

All ECONOSEAL, CONNECTOR HOUSING (92)

Features

Product Type Features

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	10
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

Mating Tab Width	1.8 mm[.071 in]

Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	No
Mating Alignment Type	Polarized

Housing Features

Centerline (Pitch)	4.8 mm[.189 in]

Dimensions

Product Width	32.7 mm[1.287 in]
Product Length	36.5 mm[1.437 in]
Product Height	30.7 mm[1.209 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

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

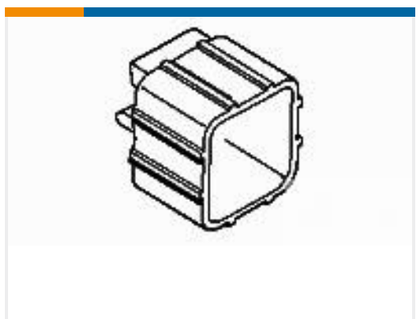
Compatible Parts



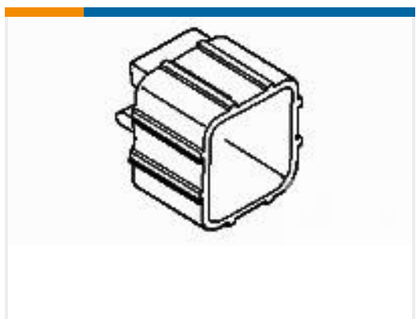
TE Part # CAT-EC7491-T273
Econoseal Receptacles and Tabs



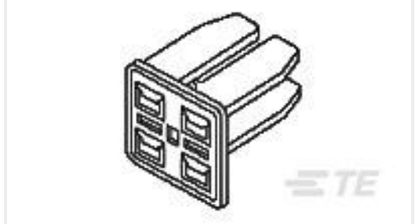
TE Part # CAT-M9194-T273
MULTILOCK, RECEPTACLE AND TAB



TE Part # 1-174658-1
E-J MK-2 CAP HSG 10P NATURAL



TE Part # 174658-7
10 POS DL PLATE FOR CAP MKII+



TE Part # 174656-7
10 POS DL PLATE FOR PLUG MKII+



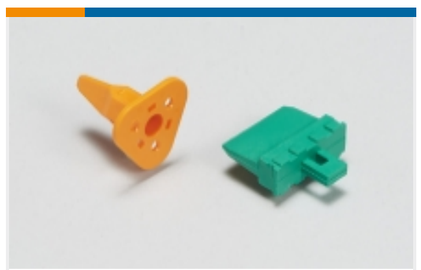
TE Part # 1-900325-9
070 RUBBER PLUG M

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

Also in the Series | Econoseal



Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(25)



Automotive Headers(4)



Automotive Housings(64)

Automotive Seals & Cavity Plugs(17)

Automotive Terminals(47)

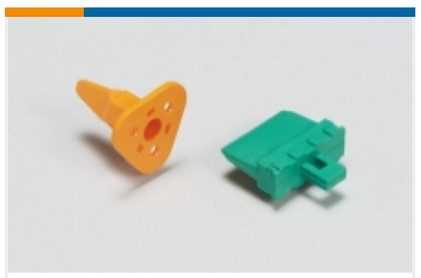
Insertion & Extraction Tools(7)

Other Automotive Connector Accessories(5)



Power Cable(1)

Also in the Series | Econoseal J - Mark II



Automotive Connector Locks & Position Assurance(18)



Automotive Housings(41)

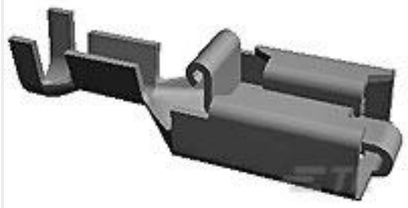


Automotive Seals & Cavity Plugs(8)



Other Automotive Connector Accessories(4)

Customers Also Bought



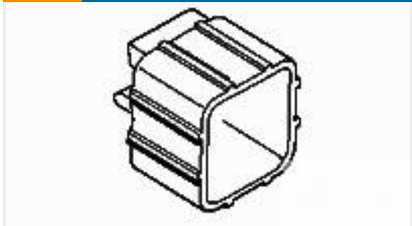
TE Part #170233-1
PL 250 REC 0.5-2.27 MM2 BR



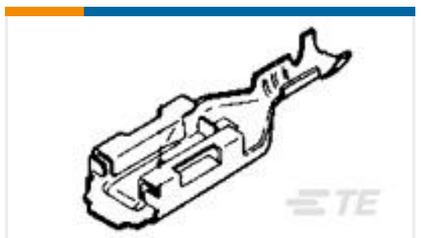
TE Part #936421-2
TIMER, CONNECTOR HOUSING



TE Part #171631-1
Econoseal Receptacles and Tabs



TE Part #1-174658-1
E-J MK-2 CAP HSG 10P NATURAL



TE Part #170454-2
PL 250 AM REC 18-14 0.40 X 21 PRE-TPBR



TE Part #172191-1
ECONOSEAL-J CONN PLUG 8P



TE Part #1534512-3
HIGH PIN COUNT HEADER



TE Part #1-174656-1
E-J MK-2 PLUG HSG 10P NATURAL

Documents

Product Drawings

10 POS. CAP MK II +

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_174657-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_174657-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_174657-2_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

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Instruction Sheets

ECONOSEAL J MARK II+ CONNECTOR

English

Customer Manual (non U.S.)

English

ECONOSEAL J MARK II+ CONNECTOR (EJ-MK II+)

English

Customer Manual (non U.S.)

English

Agency Approvals

Agency Approval Document

English