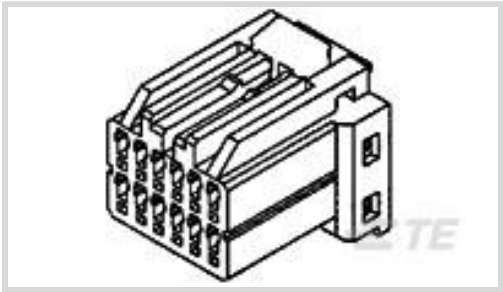




Connectors > Automotive Connectors > Automotive Housings > MULTILOCK, CONNECTOR HOUSING



Connector System: Wire-to-Board, Wire-to-Device

Number of Positions: 12

Connector & Housing Type: Housing for Female Terminals

Centerline (Pitch): 2.5 mm [.098 in]

Sealable: No

[All MULTILOCK, CONNECTOR HOUSING \(404\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Board, Wire-to-Device
Connector & Housing Type	Housing for Female Terminals
Sealable	No
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	1mm
Contact Type	Receptacle
Mating Tab Width	1 mm[.039 in]

Mechanical Attachment

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

Housing Features

Housing Material	PBT
Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Height	18 mm[.709 in]
Product Width	18.3 mm[.72 in]
Product Length	23 mm[.906 in]
Row-to-Row Spacing	2.54 mm[.1 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	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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



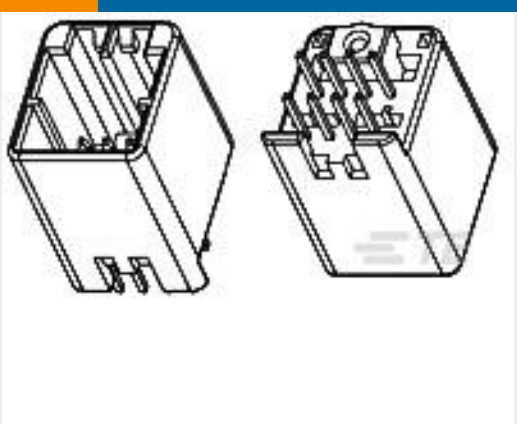
TE Part # CAT-M9194-T273
MULTILOCK, RECEPTACLE AND TAB



TE Part # CAT-SIGH262
Signal Header

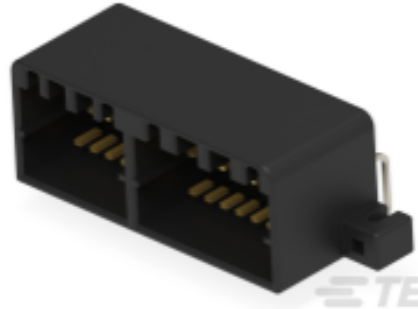


TE Part # 175062-2
040 MULTILOCK REC CONT. L/P

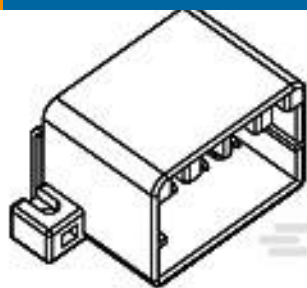


TE Part # 1565543-1
040 MLC MK2 12POS CAP ASSY V





TE Part # 1-5175976-2
040 MLC MK2 28POS CAP ASSY H AU

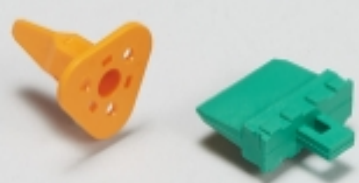


TE Part # 638608-2
CAP ASY, 12 POSN, HORIZONTAL .

Also in the Series | Multilock Connector System



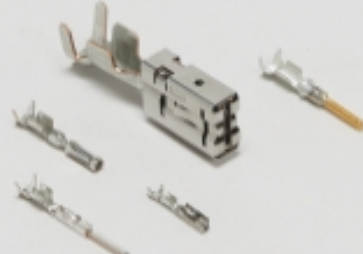
Automotive Connector Caps & Covers (10)



Automotive Connector Locks & Position Assurance(3)



Automotive Housings(455)



Automotive Terminals(115)



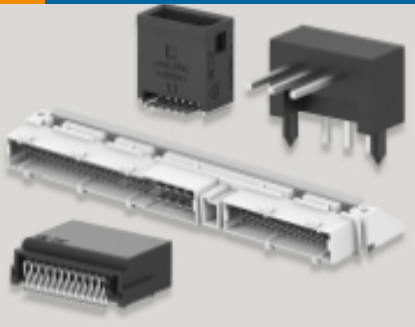
Connector Seals & Cavity Plugs(2)



Insertion & Extraction Tools(6)

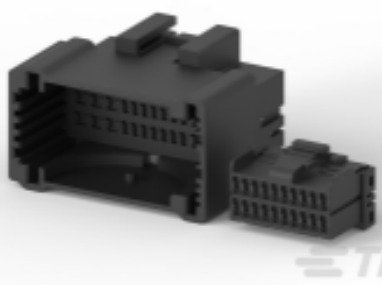


Other Automotive Connector Accessories(12)

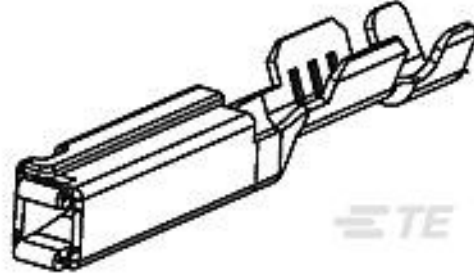


PCB Headers & Receptacles(152)

Customers Also Bought



TE Part # 175967-2
MULTILOCK, CONNECTOR HOUSING



TE Part # 1393365-2
V23540X7000Y 22=GET-FEM TERM A



TE Part # 173681-1
040 MLC REC CONTACT



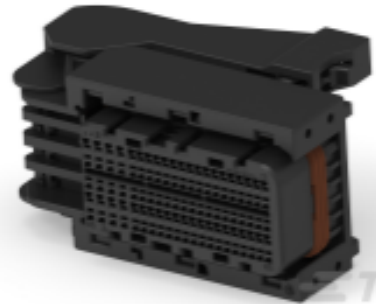
TE Part # 2005372-3
MT-II SLD 6P PLUG ASSY GRAY



TE Part # 5-968220-5
MQS0,63 Au rec CB unseal. 0,2-0,35



TE Part # 2005390-6
JPT SLD 3P PLUG ASSY-1S BLK



TE Part # 3-2005475-2
PCU SLD 105P PLUG ASSY(B-RH)

TE Part # ATM396-22
AS-22 NUTPLATE



Documents

Product Drawings

040 MLC II PLUG HSG ASSY 12P

Japanese

CAD Files

Customer View Model

ENG_CVM_175965-2_B1.3d_igs.zip

English

Customer View Model

ENG_CVM_175965-2_B1.3d_stp.zip

English

Customer View Model

ENG_CVM_175965-2_B1.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

MULTILOCK Connector System

English

Product Specifications

Application Specification

English

Crimping .040 Series Receptacle Contact

English

Instruction Sheets

Customer Manual (non U.S.)

Japanese

.040 Series Multilock I/O Connector Mark II

Japanese

Customer Manual (non U.S.)

Japanese

.040 Series, Multilock I/O Connector, Mark II

Japanese