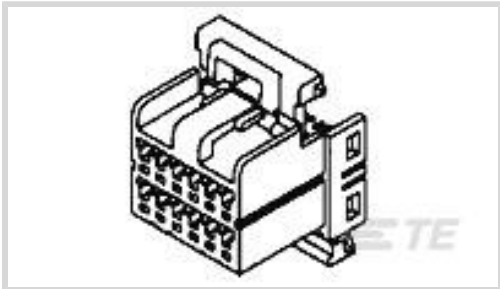




Connectors > Automotive Connectors > Automotive Housings > MULTILOCK, CONNECTOR HOUSING



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

Number of Positions: 12

Connector & Housing Type: Housing for Female Terminals

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

Sealable: No

[All MULTILOCK, CONNECTOR HOUSING \(393\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Board, Wire-to-Device, Wire-to-Wire
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



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	18.9 mm[.744 in]
Product Width	18.1 mm[.713 in]
Product Length	18.5 mm[.728 in]
Row-to-Row Spacing	3 mm, 5 mm[.118 in][.197 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	Package

Other

Serviceable	Yes
Connector Position Assurance Capable	No



Product Compliance

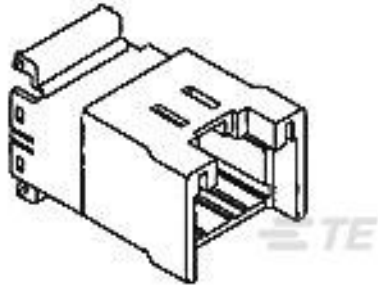
For compliance documentation, visit the product page on TE.com>

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

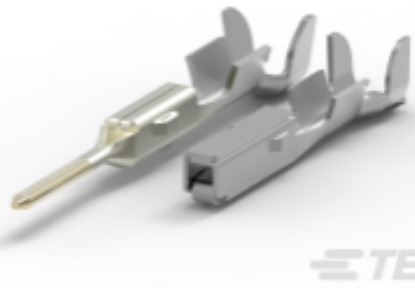
Product Compliance Disclaimer

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 # 174058-2
040 MULTILOCK CAP 12P



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



TE Part # CAT-HPCH5372
High Pin Count Header



TE Part # CAT-SIGH262
Signal Header



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



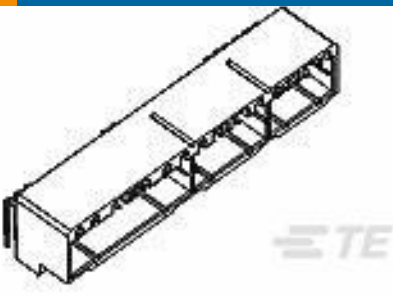
TE Part # 174051-2
040 MULTILOCK I/O CONN 12PASSY



TE Part # 5174151-2
040/070 MULTI I/O CONN 64PASSY



TE Part # 5174149-2
040/070 MULTI I/O CONN 48PASSY



TE Part # 8-175448-1
04/07 HYBRID CAP ASSY 54P NATU



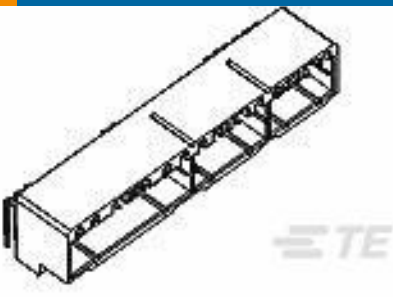
TE Part # 1-5174149-2
040/070 MLC CAP ASSY 48P



TE Part # 174149-3
040/070 HYBRID 48POS CAP ASSY H TIN



TE Part # 175448-8
04/07 HYBRID CAP HSG ASSY 54P TIN



TE Part # 3-175448-1
HYBRID CAP ASSY 54P NATURAL

Also in the Series | Multilock Connector System



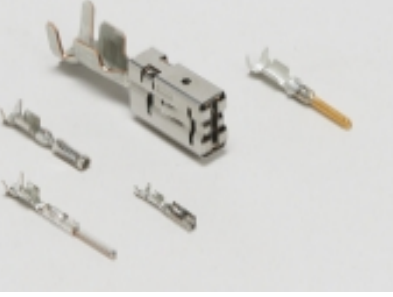
Automotive Connector Caps & Covers (10)



Automotive Connector Locks & Position Assurance (3)



Automotive Housings (445)



Automotive Terminals (118)



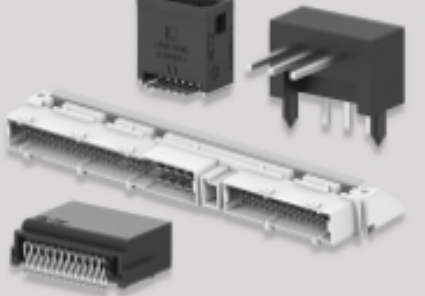
Connector Seals & Cavity Plugs (2)



Insertion & Extraction Tools (6)



Other Automotive Connector Accessories (12)



PCB Headers & Receptacles (134)

Customers Also Bought



TE Part #174058-2
MULTILOCK, CONNECTOR HOUSING

TE Part #1-2176398-0
3502 33K 1%

TE Part #173681-2
040 MULTILOCK REC CONT FORM

TE Part #1801616-1
FUSES HOLDER 10 MINIFUSES

TE Part #58707-1
PROCRIMP MINI-U-MNL2 TL & DIE

TE Part #2327104-4
CVTY PLUG,AMP 0.64,CVTY DIA,0.78, BLK

TE Part #936184-1
BULB CONN 2P PLUG ASSY IVORY

TE Part #9-2437440-9
PLATE,FAMILY SEAL COVER,91POS, CONN KIT

Documents

Product Drawings

040 MULTILOCK PLUG 12P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_174045-2_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_174045-2_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_174045-2_K.3d_stp.zip

English

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

Product Specifications

Crimping .040 Series, Receptacle Contact

Japanese

Application Specification

Japanese

Application Specification

English

Crimping .040 Series Rec Contact for CAVUS Wires

English



Instruction Sheets

Instruction Sheet (non U.S.)

English

040 SERIES MULTI-LOCK CONNECTOR

English