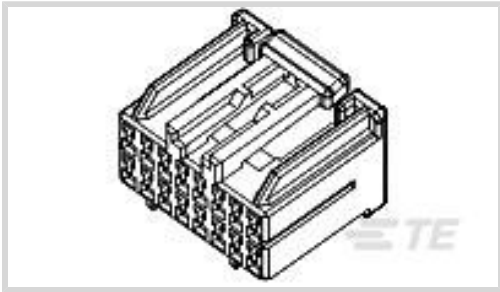




Connectors > Automotive Connectors > Automotive Housings > MULTILOCK, CONNECTOR HOUSING



Connector System: **Wire-to-Board, Wire-to-Device**
Number of Positions: **12**
Connector & Housing Type: **Housing for Female Terminals**
Centerline (Pitch): **3.5 mm [.138 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	Natural

Contact Features

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Contact Size	1.8mm, 1mm
Contact Type	Receptacle
Mating Tab Width	1.8 mm[.071 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)	3.5 mm[.138 in]

Dimensions

Connector Height	17.3 mm[.681 in]
Product Width	22 mm[.866 in]
Product Length	21 mm[.827 in]
Row-to-Row Spacing	5.2 mm[.205 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	50
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>

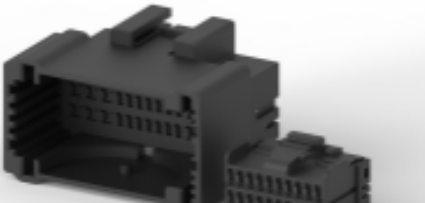
Compatible Parts



TE Part # CAT-HPCH5372
High Pin Count Header



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



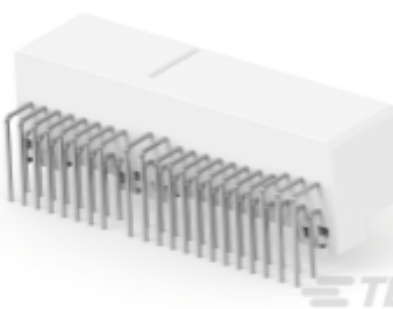
TE Part # CAT-M9194-CH8172
MULTILOCK, CONNECTOR HOUSING



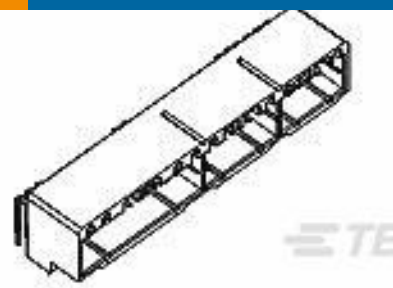
TE Part # CAT-LMPH9507
Low & Medium Power Header



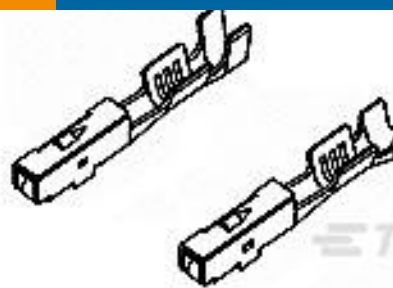
TE Part # 178093-1
040/070 HYBRID CAP ASSY 38P



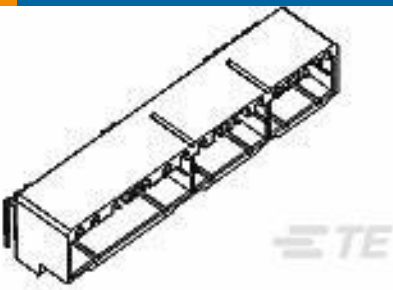
TE Part # 175446-1
HYBRID CAP ASSY 42P NATURAL



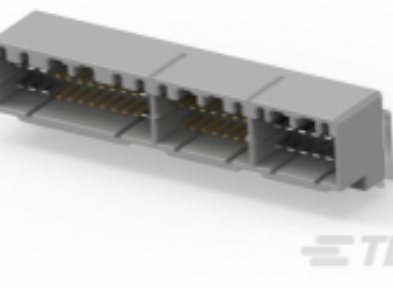
TE Part # 8-175448-1
04/07 HYBRID CAP ASSY 54P NATU



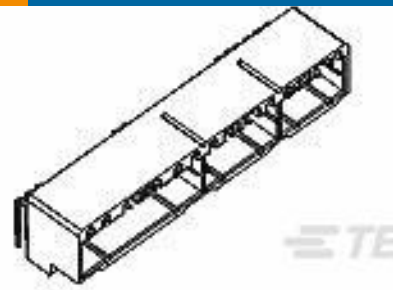
TE Part # 179425-1
070-2 REC CONTACT M L/P 20-16



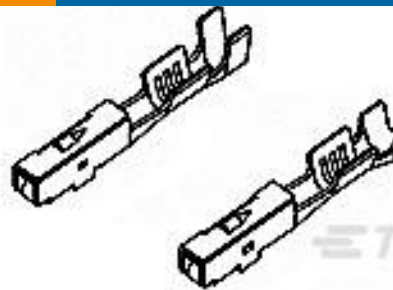
TE Part # 175448-8
04/07 HYBRID CAP HSG ASSY 54P



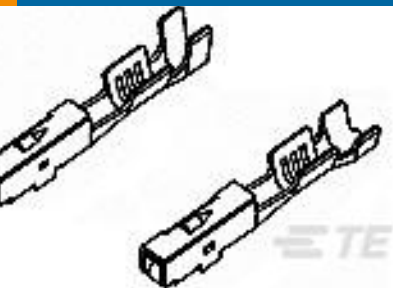
TE Part # 175448-9
040/070 HYBRID 54POS CAP ASSY H RND



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



TE Part # 175275-5
070 II REC CONTACT "S" FORM

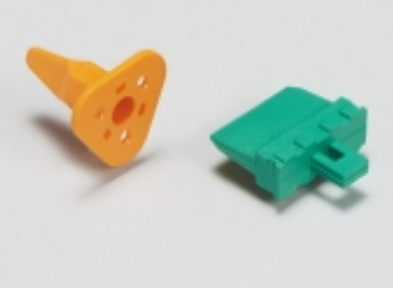


TE Part # 175276-5
070 II REC CONTACT "M" FORM

Also in the Series | Multilock Connector System



Automotive Connector Caps & Covers (10)



Automotive Connector Locks & Position Assurance(3)



Automotive Housings(455)



Automotive Terminals(115)



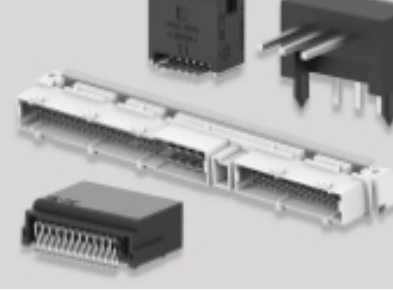
Connector Seals & Cavity Plugs(2)



Insertion & Extraction Tools(6)

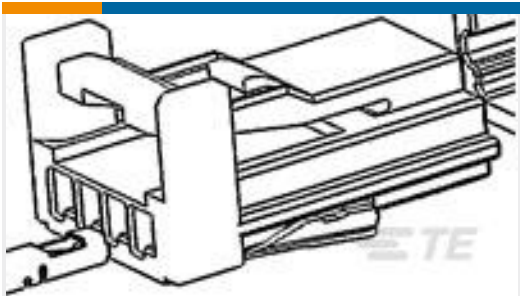


Other Automotive Connector Accessories(12)



PCB Headers & Receptacles(152)

Customers Also Bought



TE Part # 1746911-1
0.64III I/O 4P CONNECTOR PLUG HOUSING B



TE Part # 936289-5
6POS MQS REC COD E



TE Part # 936606-1
2.8MM MCP-E REC CONT



TE Part # 964282-2
JPT A REC 2.8 Contact SWS Sn



TE Part # 2278584-1
67 POS,MIXED,REC HSG,ASSY, SEALED TYPE180



TE Part # 2298672-1
20POS,HYBRID,TAB HSG ASSY, UNSLD,COD A



TE Part # 2298671-1
20POS,HYBRID,REC HSG ASSY, UNSLD,COD A



TE Part # 2050723-2
COVER FOR MQS HSG 2x16 POS ASSY



TE Part # 2272975-5
6 Pos. Sealed MCON 1.2 Connect



TE Part # 2298627-1
24POS,HYBRID,TAB HSG ASSY, UNSLD,COD A

Documents

Product Drawings

HYBRID MK-2 PLUG HSG ASSY 12P

English

CAD Files

Customer View Model

ENG_CVM_CVM_917978-1_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_917978-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_917978-1_E.3d_stp.zip

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 .070II Series Tab and Receptacle Contact

English

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

Japanese