# 174514-1 ✔ ACTIVE

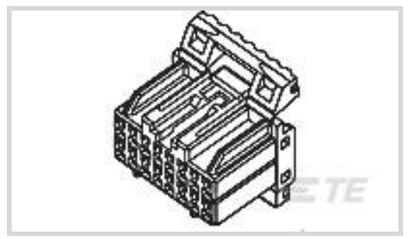
AMP | Multilock Connector System

TE Internal #: 174514-1

Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 16 Position, 3 mm [.118 in] Centerline, Natural, Signal, Multilock Connector System

View on TE.com >

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



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

Number of Positions: **16**

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

Centerline (Pitch): **3 mm [ .118 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 |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | No |
| Primary Locking Feature | Integrated in Housing |

### Configuration Features

| | |
|---|---|
| Number of Positions | 16 |
| 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

| | |
|---|---|
| Contact Size | 1mm |
| Contact Type | Receptacle |
| Mating Tab Width | 1 mm, 1.8 mm[.039 in][.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 mm[.118 in] |

## Dimensions

| | |
|---|---|
| Connector Height | 30.4 mm[1.197 in] |
| Product Width | 25.6 mm[1.008 in] |
| Product Length | 21 mm[.827 in] |
| Row-to-Row Spacing | 3 mm, 3.2 mm[.118 in][.126 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 94HB |

## 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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 |

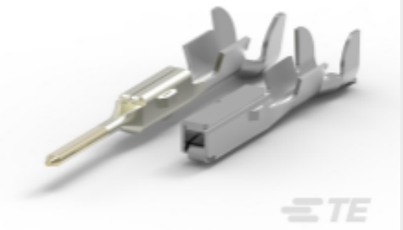
Product Compliance Disclaimer

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

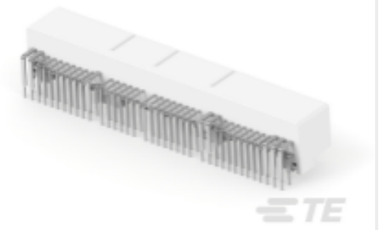
## Compatible Parts



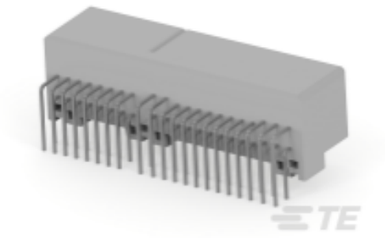
TE Part # CAT-HPCH5372
High Pin Count Header



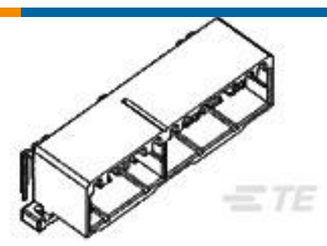
TE Part # CAT-M9194-T273
MULTILOCK, RECEPTACLE AND TAB



TE Part # 178780-1
040/070 HYBRID CAP ASSY 76P



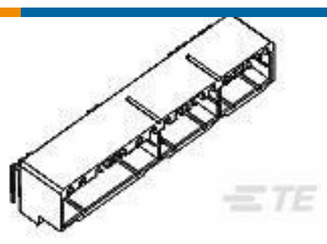
TE Part # 175446-6
HYBRID I/O CAP ASSY 42P



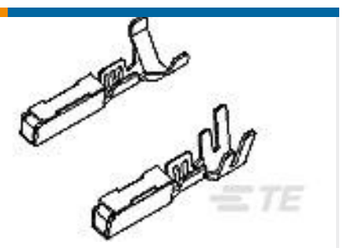
TE Part # 175521-6
HYBRID I/O CAP ASSY 38P GRAY



TE Part # CAT-SIGH262
Signal Header



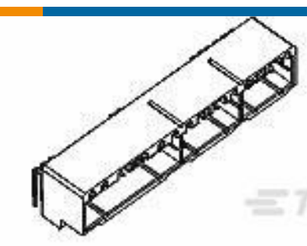
TE Part # 8-175448-1
04/07 HYBRID CAP ASSY 54P NATU



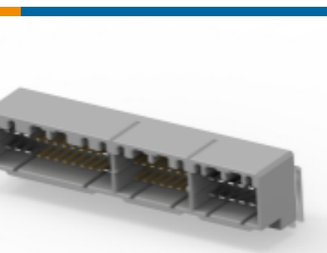
TE Part # 175061-2
040 HDIO REC CONTACT GOLD L/P



TE Part # 175446-2
040/070 HYBRID 42POS CAP ASSY H TIN



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

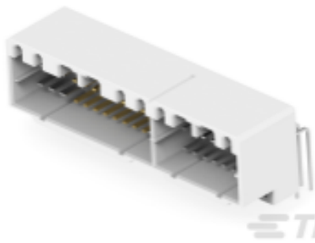


TE Part # 175448-9
040/070 HYBRID 54POS CAP ASSY H RND

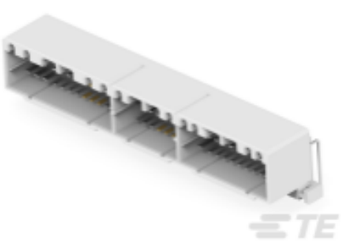


TE Part # 2-5175448-1
HYBRID CAP ASSY 54P NATURAL

TE Part # 2005197-1
040/070 HYB 64P HDR ASSY



TE Part # 8-5175446-1
HYBRID I/O CAP ASSY 42P



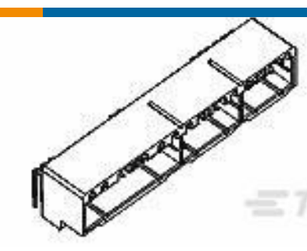
TE Part # 8-5177609-1
HYBRID I/O CAP ASSY 64P NATURA



TE Part # 9-5175448-1
04/07 HYBRID CAP ASSY 54P NATU



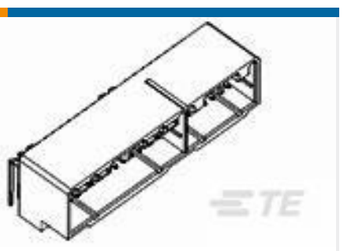
TE Part # 175448-1
040/070 I/O 54P CAP HSG ASSY



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



TE Part # 4-177771-6
04/07 HYBRID CAP ASSY 76P

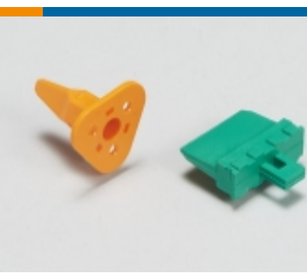


TE Part # 6-175446-1
HYBRID CAP ASSY 42P NATURAL

## Also in the Series | Multilock Connector System



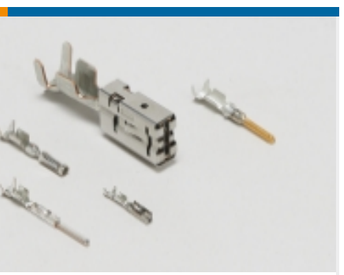
Automotive Connector Caps & Covers (10)



Automotive Connector Locks & Position Assurance(3)



Automotive Housings(445)



Automotive Terminals(117)



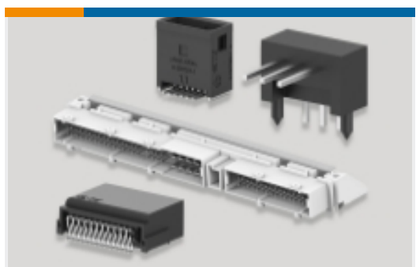
Connector Seals & Cavity Plugs(2)



Insertion & Extraction Tools(6)



Other Automotive Connector Accessories(12)

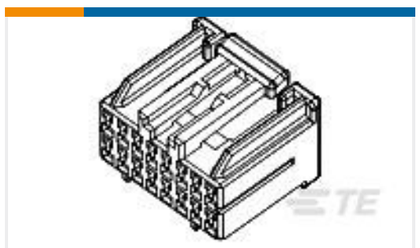


PCB Headers & Receptacles(134)

## Customers Also Bought



TE Part #493487-1
Timer Connector Housing



TE Part #917992-1
HYBRID MK-2 PLUG HSG ASSY 26P



TE Part #284088-2
.070 NEW GEN RCPT CONT 0.75 T



TE Part #1743455-2
CLIP HSG FOR 090 MLC TYPE-3



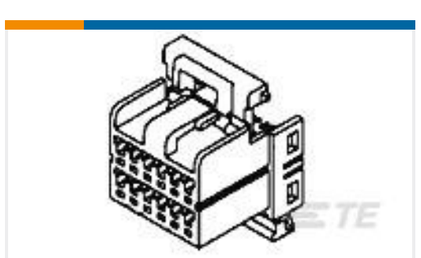
TE Part #2355073-5
6POS,AMP MCP 2.8,REC HSG,UNSLD, COD E,GRE



TE Part #9-2208716-9
PLATE,FAMILY SEAL COVER,91POS

TE Part #2311056-2
48POS,MCON 1.2,REC HSG,SLD

TE Part #2438861-1
DIA 2.5MM,TERMINAL



TE Part #174045-4
040 MLC PLUG HSG 12P GREEN

## Documents

### Product Drawings

040/070 HYBRID PLUG 16P

English

### CAD Files

3D PDF

English

### Customer View Model

ENG_CVM_174514-1_C.2d_dxf.zip

English

### Customer View Model

ENG_CVM_174514-1_C.3d_igs.zip

English

### Customer View Model

ENG_CVM_174514-1_C.3d_stp.zip

English

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## Datasheets & Catalog Pages

### MULTILOCK Connector System

English

## Product Specifications

### Product Specification

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## Instruction Sheets

### HYBRID I/O CONNECTOR

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### Customer Manual (non U.S.)

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### HYBRID I/O CONNECTOR

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### Customer Manual (non U.S.)

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2377783-2 SBCHE64R7K 650075-000 MPT100C18RF ROX05SJ18R U5254-000005-030PA 175977-2
2310537-1 CPF0402B37K4E1 CRGCQ2010J3K3 RH73H2A40MKTN SMW73R0JT TE50BR39J 1903112-2
2-292161-3 2380312-2 3-1393225-0 1-962915-1 2834055-1 141991-2 1969656-1 SBCHE154R7K