917981-2 ✔ ACTIVE

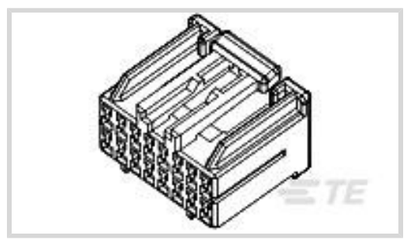
AMP | Multilock Connector System

TE Internal #: 917981-2

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

View on TE.com >

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



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

Mating Tab Width: **1 mm [.039 in]**

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

Number of Positions: **16**

Centerline (Pitch): **3 mm [.118 in]**

All MULTILOCK, CONNECTOR HOUSING (577)

Features

Product Type Features

Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board, Wire-to-Device
Sealable	No
Hybrid Connector	Yes
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°
Body Material	PBT
Primary Product Color	Black

Contact Features

Mating Tab Width	1 mm[.039 in]

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	3 mm[.118 in]

Dimensions

Product Width	25 mm[.984 in]
Product Length	21 mm[.827 in]
Product Height	17.3 mm[.681 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

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



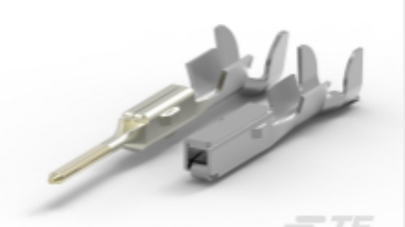
TE Part # CAT-LMPH9507
LOW & MEDIUM POWER HEADER



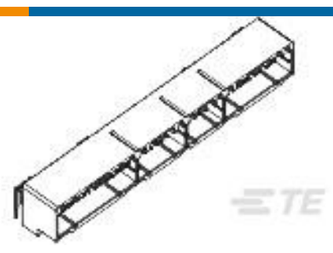
TE Part # CAT-HPCH5372
HIGH PIN COUNT HEADER



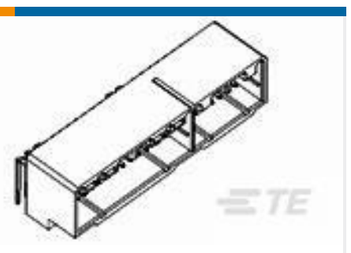
TE Part # CAT-SIGH262
SIGNAL HEADER



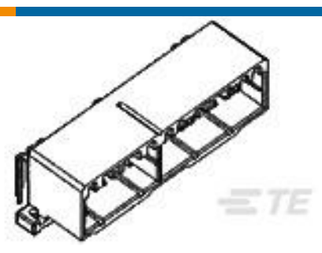
TE Part # CAT-M9194-T273
MULTILOCK, RECEPTACLE AND TAB



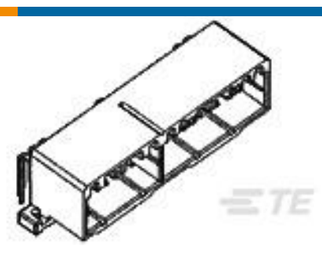
TE Part # 178780-1
040/070 HYBRID CAP ASSY 76P



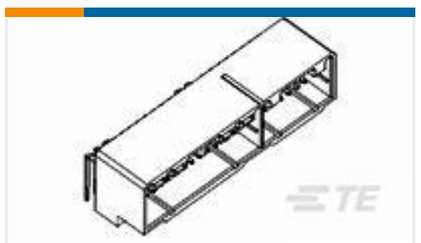
TE Part # 175446-6
HYBRID I/O CAP ASSY 42P



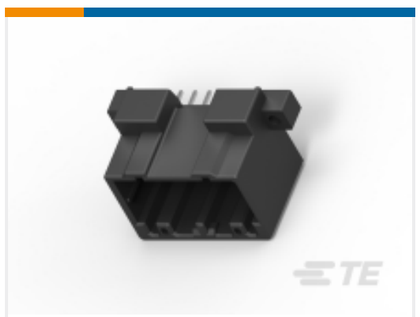
TE Part # 175521-7
HYBRID CAP ASS'Y 38P



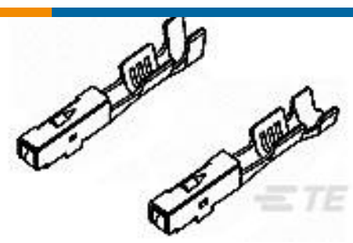
TE Part # 2-175521-7
04/07 HYBRID CAP H ASSY 38P



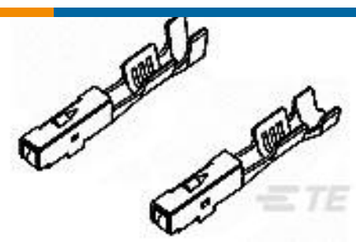
TE Part # 4-175446-6
HYBRID CAP ASS'Y 42P



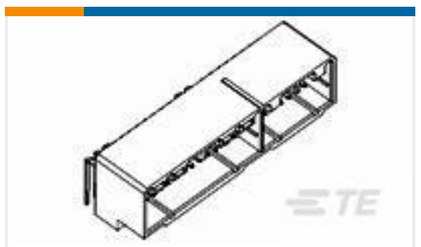
TE Part # 9-1438424-2
16P 040 VERT HYBRID HT CAP ASSY



TE Part # 179418-2
PMC 040 REC S L/P

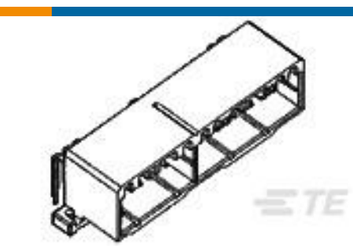


TE Part # 175266-7
040 REC CONT. SHORT FORM



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

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



TE Part # 9-1438377-6
38P HYB CAP ASSY GRAY I/B SCRE

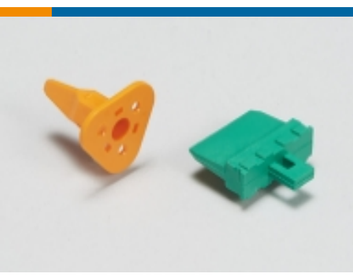
Also in the Series | Multilock Connector System



Automotive Connector Caps & Covers (16)



Automotive Connector EMC Shielding (1)



Automotive Connector Locks & Position Assurance(2)



Automotive Headers(138)



Automotive Housings(576)



Automotive Seals & Cavity Plugs(2)



Automotive Terminals(142)



Insertion & Extraction Tools(6)



Other Automotive Connector Accessories(9)

Customers Also Bought



TE Part #121397P014
ES2000-NO.3-B8-0-65MM



TE Part #1-1438608-1
MQS, CONNECTOR HOUSING



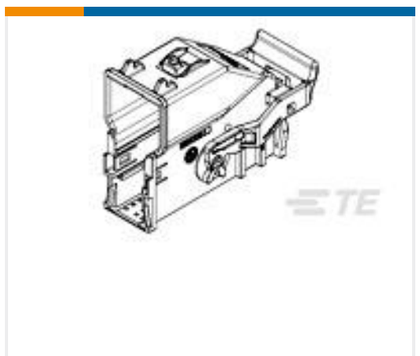
TE Part #1326030-4
1.5/2.8 CONNECTOR SYSTEM, RECPT AND TAB



TE Part #1241730-2
TIMER, RECEPTACLE AND TAB



TE Part #1326132-1
18WAY LAC SHIELD ASSEMBLY 70 D



TE Part #1-1924337-3
Shield Assy, 54 POSN, 0.64mm, 20 DEG BLK



TE Part #1452325-1
RETAINER,BLACK

Documents

Product Drawings

HYBRID MK-2 PLUG HSG ASSY 16P

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_917981-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_917981-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_917981-2_A.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

Instruction Sheets

Instruction Sheet (U.S.)

Japanese