173851-1 ✔ ACTIVE

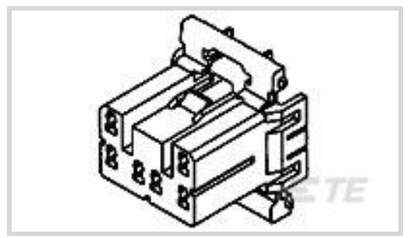
AMP | Multilock Connector System

TE Internal #: 173851-1

Housing for Female Terminals, Wire-to-Wire, 12 Position, 3.5 mm / 5.5 mm [.138 in / .217 in] Centerline, Natural, Signal, Multilock Connector System

View on TE.com >

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



Connector System: **Wire-to-Wire**

Number of Positions: **12**

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

Centerline (Pitch): **3.5 mm, 5.5 mm [.138 in, .217 in]**

Sealable: **No**

All MULTILOCK, CONNECTOR HOUSING (393)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	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	Natural

Contact Features

Contact Size	1.8mm
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, 5.5 mm[.138 in][.217 in]

Dimensions

Connector Height	26.05 mm[1.026 in]
Product Width	31.8 mm[1.252 in]
Product Length	21.6 mm[.85 in]
Row-to-Row Spacing	3 mm, 7.7 mm[.118 in][.303 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

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

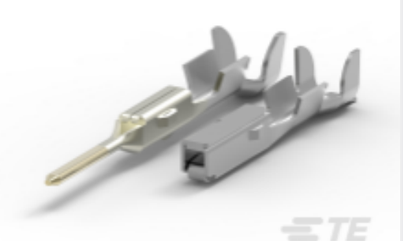
Product Compliance Disclaimer

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

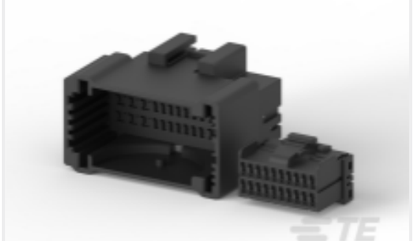
Compatible Parts



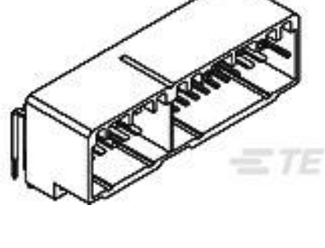
TE Part # CAT-LMPH9507
Low & Medium Power Header



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



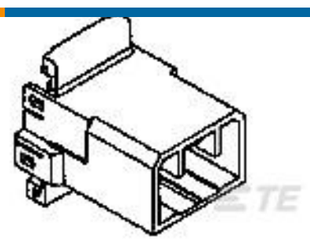
TE Part # CAT-M9194-CH8172
MULTILOCK, CONNECTOR HOUSING



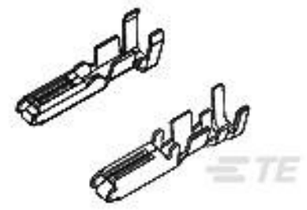
TE Part # 179098-1
MULTI LOCK I/O CAP ASSY 30P



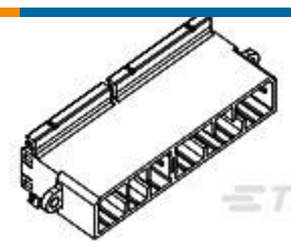
TE Part # 755430-2
EXT,TOOL ASSY



TE Part # 174933-1
070 MLC W-W CAP HSG 12P



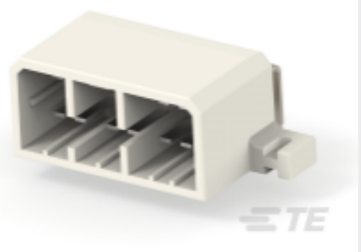
TE Part # 345208-1
070 SERIES RECEPT.



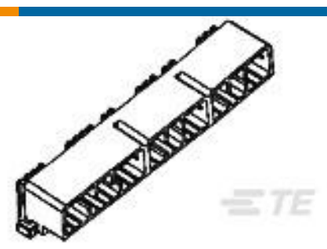
TE Part # 1-174939-1
070 MLC CAP HSG 30P W/FLANGE



TE Part # 1-5174480-1
070 MLC CAP ASS'Y 42P (H)



TE Part # 173858-7
12POS,ML .070,TAB HSG ASSY,UNSLD

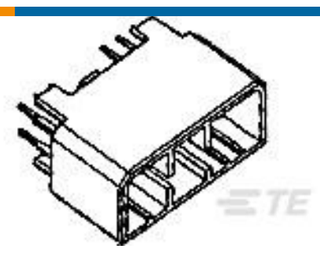


TE Part # 174480-1
070 MULTI CAP ASSY 42P H

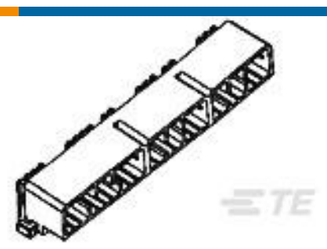


TE Part # 175026-1
070 REC CONTACT L.P 24-22

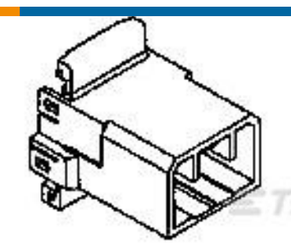
TE Part # 2-5174480-1
070 MLC CAP ASSY H 42P GOLD



TE Part # 282770-1
MLC .070 VERT.HDR ASSY 8POS.

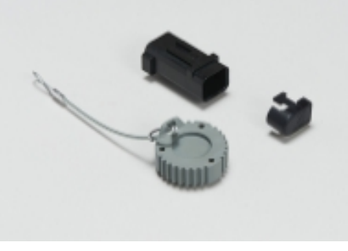


TE Part # 1-174480-1
070 MLC CAP ASS'Y 42P (H)

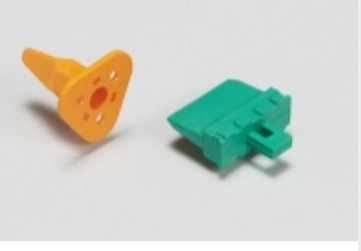


TE Part # 174933-6
070 MLC W-W CAP HSG 12P GRAY

Also in the Series | Multilock Connector System



Automotive Connector Caps & Covers (10)



Automotive Connector Locks & Position Assurance(3)



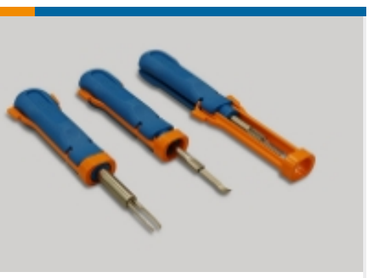
Automotive Housings(445)



Automotive Terminals(118)



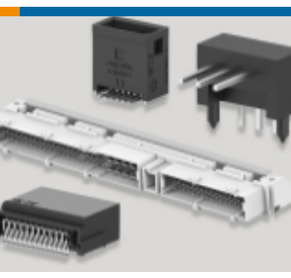
Connector Seals & Cavity Plugs(2)



Insertion & Extraction Tools(6)

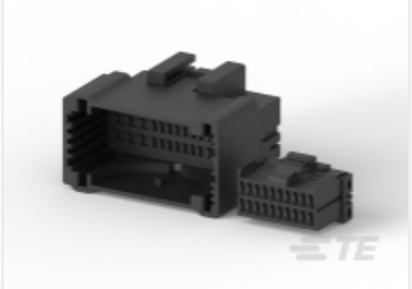


Other Automotive Connector Accessories(12)



PCB Headers & Receptacles(134)

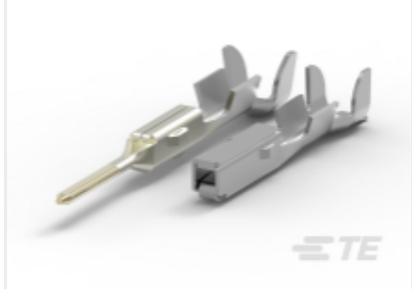
Customers Also Bought



TE Part #174952-1
MULTILOCK, CONNECTOR HOUSING



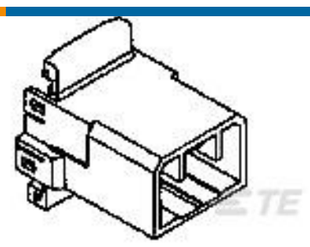
TE Part #2-172131-1
FF 250 REC HSG 3P NYLON NAT



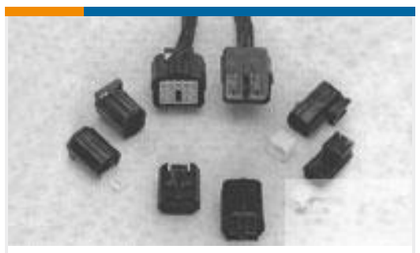
TE Part #175027-1
MULTILOCK, RECEPTACLE AND TAB



TE Part #A88297-000
ES-CAP-HW-NO.1-X-35MM



TE Part #174933-1
070 MLC W-W CAP HSG 12P



TE Part #1-344276-1
2 WAY REC. HSG. NBR. SEALECONO



TE Part #184008-1
2 POS. PLUG ASSY, KEY E, BLACK

Documents

Product Drawings

070 MULTILOCK PLUG 12P

English

CAD Files

Customer View Model

ENG_CVM_173851-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_173851-1_E.3d_stp.zip

English

Customer View Model

ENG_CVM_173851-1_E.2d_dxf.zip

English

3D PDF

English

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Datasheets & Catalog Pages

MULTILOCK Connector System

English

Product Specifications

070 MLC Series

English

Product Specification

Japanese

Product Specification

Japanese

Agency Approvals

CSA Certificate

English

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Global Electronic Components Distributor

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TE Connectivity:

1743455-2 2-292161-3 3-1393225-0 ROX05SJ18R 1393431-1 3631B101LL TE50BR39J 175977-2
1969656-1 2005330-1 2380312-2 SBCHE154R7K U5254-000005-030PA 1-794222-0 1-962915-1 141991-2
2377783-2 917696-1 CPF0402B37K4E1 1903112-2 2310537-1 3430B2F51RTDF 650075-000
MPT100C18RF RH73H2A40MKTN SBCHE64R7K SMW73R0JT CRGCQ2010J3K3 2834055-1 936348-1