

174047-2 ✓ ACTIVE

AMP | Multilock Connector System

TE Internal #: 174047-2

Housing for Female Terminals, Wire-to-Wire, 20 Position, .098 in [2.5 mm] Centerline, Black, Signal, Multilock Connector System

[View on TE.com >](#)



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



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

Number of Positions: **20**

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

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

Sealable: **No**

[All MULTILOCK, CONNECTOR HOUSING \(404\)](#)

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	20
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	.64 mm[.025 in]

Mechanical Attachment

Terminal Position Assurance	No
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	18.5 mm[.728 in]
Product Width	18.9 mm[.744 in]
Product Length	28.1 mm[1.063 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	100
Packaging Method	Bag

Other



Serviceable	Yes
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Product Compliance

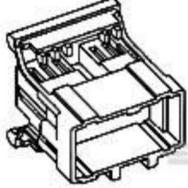
[For compliance documentation, visit the product page on TE.com>](#)

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

 <p>TE Part # 175652-2 040 MLC CAP HSG 20P W-W</p>	 <p>TE Part # CAT-SIGH262 Signal Header</p>	 <p>TE Part # CAT-M9194-T273 MULTILOCK, RECEPTACLE AND TAB</p>	 <p>TE Part # CAT-HPCH5372 High Pin Count Header</p>
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TE Part # 175062-2
040 MULTILOCK REC CONT. L/P



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



TE Part # 2-178460-2
040/070 MLC CAP ASSY 36P COMBI



TE Part # 1952060-4
20P CAP HSG ASSY (Vertical) BLK



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



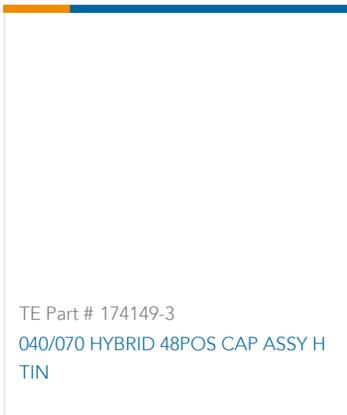
TE Part # 1-174146-2
040 MULTILOCK I/O CAP ASSY 36P



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



TE Part # 174146-1
040 MLC CAP ASSY H 36P



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

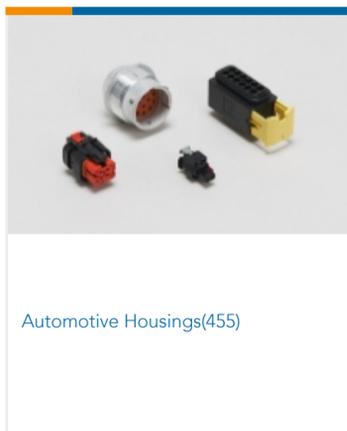
Also in the Series | Multilock Connector System



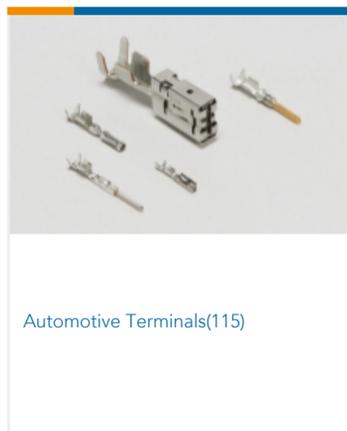
Automotive Connector Caps & Covers (10)



Automotive Connector Locks & Position Assurance (3)



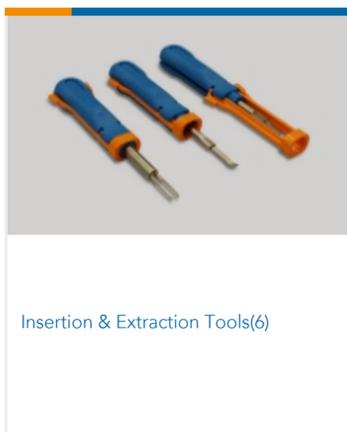
Automotive Housings (455)



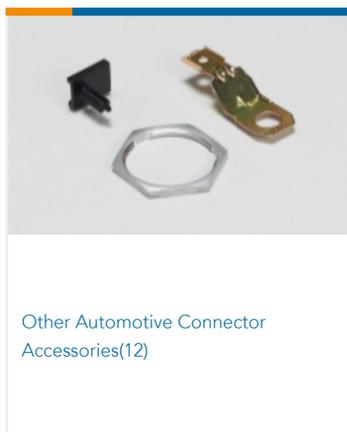
Automotive Terminals (115)



Connector Seals & Cavity Plugs (2)



Insertion & Extraction Tools (6)



Other Automotive Connector Accessories (12)



PCB Headers & Receptacles (152)

Customers Also Bought



TE Part # NB07072001
BATTU-12.7/6.1-A1-0-STK



TE Part # 175062-1
040 MULTILOCK REC CONT L/P



TE Part # 936133-1
MULTILOCK, CONNECTOR HOUSING



TE Part # 5052902015
RNF-100-1/16-2-STK



TE Part # 171892-1
9CIR MIC PLUG HSG



TE Part # 368260-1
CLIP HSG FOR 090 II MLC



TE Part # 1326359-1
11P 2.8MM LVG-HNG PLUG - KEY A



TE Part # 2318777-1
RESOLVER, ROTOR WITHOUT RIVETS
MARKED



TE Part # 2318783-1
RESOLVER, RESOLVER STATOR

Documents

Product Drawings

040 MULTILOCK PLUG 20P

English

CAD Files

Customer View Model

[ENG_CVM_CVM_174047-2_K.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_174047-2_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_174047-2_K.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

Crimping .040 Series, Receptacle Contact

Japanese

Application Specification

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

English

040 SERIES MULTI-LOCK CONNECTOR

English