174979-2 ✔ ACTIVE

AMP | Multilock Connector System

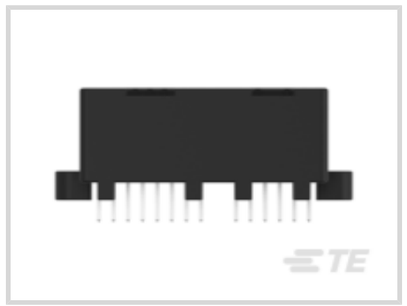
TE Internal #: 174979-2

PCB Mount Header, Vertical, Wire-to-Board, 28 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Multilock Connector System

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > Signal Header







EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

All Signal Header (280)

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
Interface Number	174046

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Signal Positions	28

Number of Sections	2
PCB Mount Orientation	Vertical
Number of Positions	28
Number of Rows	2

Electrical Characteristics

Operating Voltage	12 VDC
Voltage Rating (Max)	12 VDC
Nominal Voltage Architecture	12 V

Body Features

Primary Product Color	Black

Contact Features

Contact Size	1mm
Mating Tab Width	1 mm[.039 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Mating Area Plating Material	Tin
Contact Type	Tab

Termination Features

Termination Method to PCB	Through Hole - Screw

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Interface
Mounting Holes	With
Mating Retention	With
PCB Mount Retention	Without
PCB Mount Alignment	Without
Mating Alignment	With

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Width	51 mm[2.008 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Profile Height from PCB	19.2 mm[.756 in]

Connector Length	16.9 mm[.665 in]

Usage Conditions

Operating Temperature (Max)	80 °C, 105 °C, 100 °C, 90 °C, 85 °C, 65 °C, 75 °C, 70 °C[221 °F][167 °F][158 °F][176 °F][194 °F][185 °F][212 °F][149 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	100
Packaging Method	Tube

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	Wave solder capable to 240°C

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

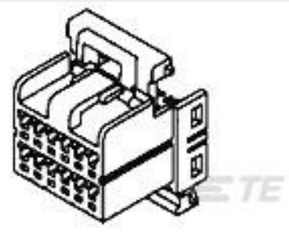
on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



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

TE Part # 174978-2
040 MLC CAP HSG V 28P



TE Part # 174046-4
040 MLC PLUG HSG 16P GREEN

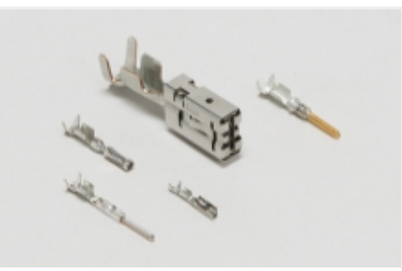
Also in the Series | Multilock Connector System



Automotive Connector Caps & Covers (6)



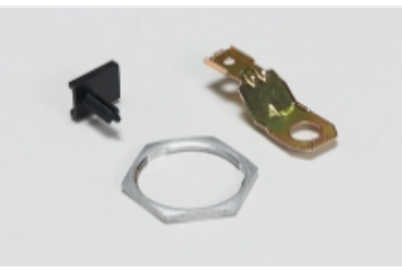
Automotive Housings(165)



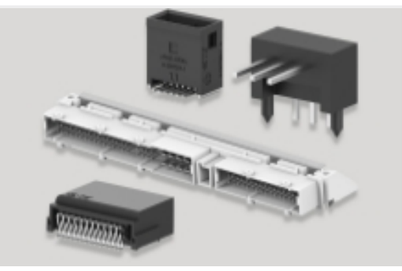
Automotive Terminals(84)



Insertion & Extraction Tools(6)



Other Automotive Connector Accessories(4)

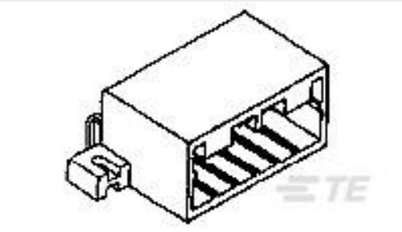


PCB Headers & Receptacles(88)

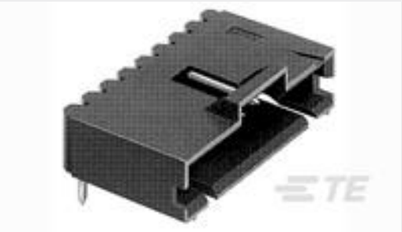
Customers Also Bought



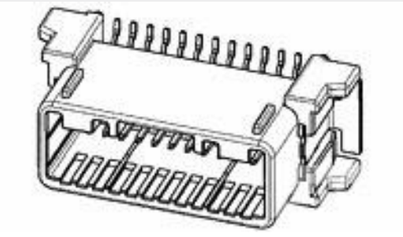
TE Part #174053-2
Signal Header



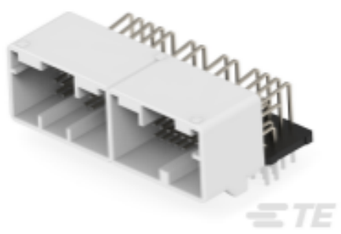
TE Part #175783-1
070 MLC CAP H ASSY SGL 6P NAT.



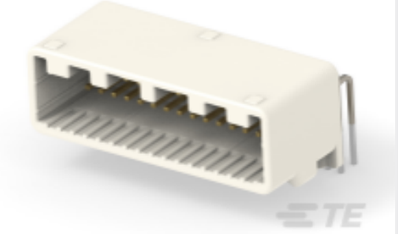
TE Part #6-103634-5
16 MTE HDR SRRA LTCH.100CL LF



TE Part #1717396-2
0.64 SMD 16P CAP ASSEMBLY V-TYPE



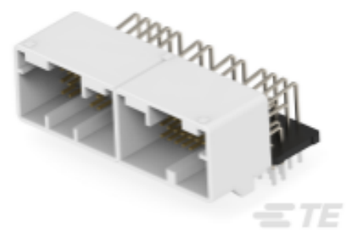
TE Part #1473193-7
025/040 CAP HSG ASSY 70P ALL Sn



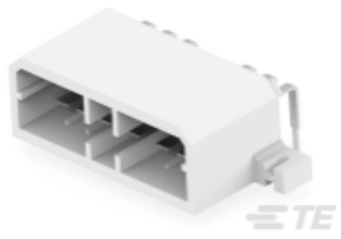
TE Part #6318745-3
025 32 Pos Cap Assy H Au



TE Part #2290247-1
0.50 HSL CONN CAP ASSY KEY-A W /O FLANGE



TE Part #1473193-5
025/040 CAP HSG ASSY 70P



TE Part #171882-1
MIC 13P CAP ASSY

Documents

Product Drawings

040 MLC CAP ASSY V 28P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_174979-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_174979-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_174979-2_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Product Specification

Japanese

Product Specification

Japanese

Product Specification

Japanese

040 Series Multi-Lock Connector wire to wire type

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

English

040 SERIES MULTI-LOCK CONNECTOR

English