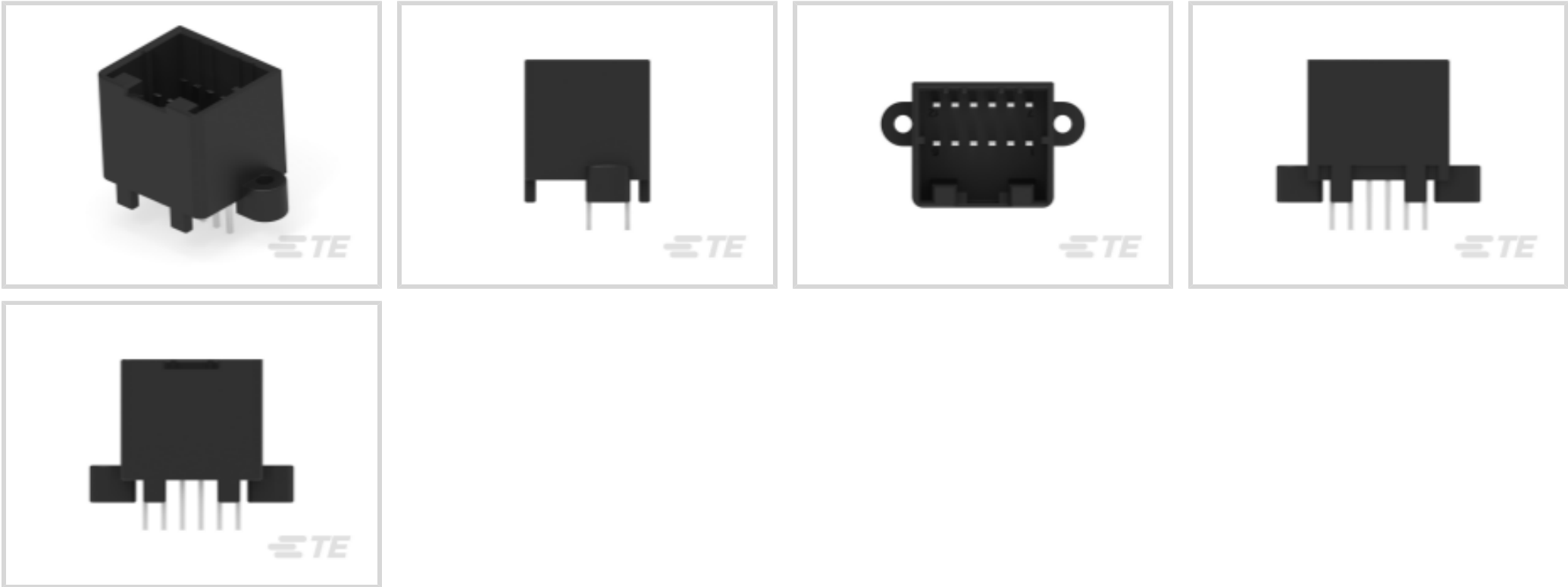




Connectors > Automotive Connectors > Automotive Headers > Signal Header



PCB Mount Orientation: **Vertical**
Termination Method to PCB: **Through Hole - Screw**
Sealable: **No**
Connector & Contact Terminates To: **Printed Circuit Board**
Circuit Application: **Signal**

[All Signal Header \(240\)](#)

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Signal Positions	12
Number of Sections	1
PCB Mount Orientation	Vertical

Electrical Characteristics

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



Body Features

Primary Product Color	Black
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Contact Features

Mating Tab Width	1 mm[.039 in]
Mating Tab Thickness	.64 mm[.025 in]

Termination Features

Termination Method to PCB	Through Hole - Screw
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Mechanical Attachment

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

Dimensions

Connector Width	27.5 mm[1.083 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)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[212 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Quantity	100
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Other

Interface Number	174045
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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

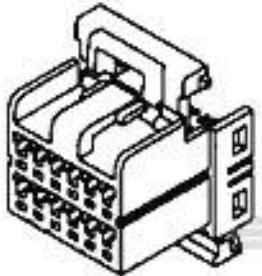


China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per 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>

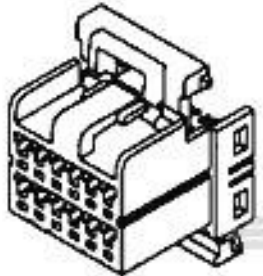
Compatible Parts



TE Part # 174045-5
040 MLC PLUG HSG 12P BLUE



TE Part # 174972-2
040 MLC CAP HSG V 12P



TE Part # 174045-2
040 MULTILOCK PLUG 12P

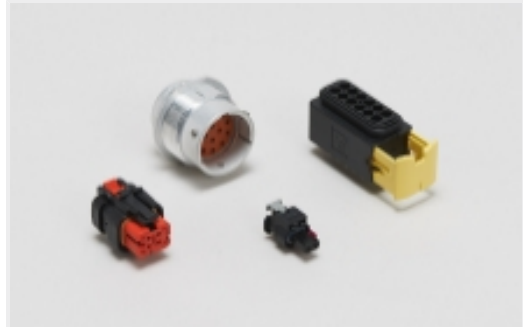
Also in the Series | Multilock Connector System



Automotive Connector Caps & Covers (5)



Automotive Headers(75)



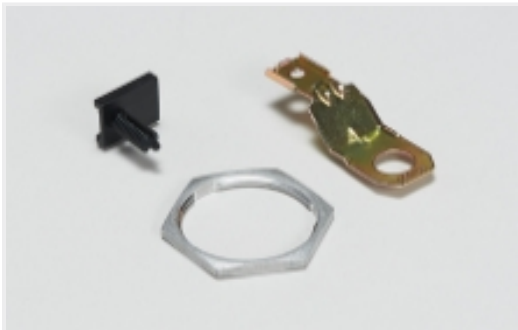
Automotive Housings(138)



Automotive Terminals(76)



Insertion & Extraction Tools(6)

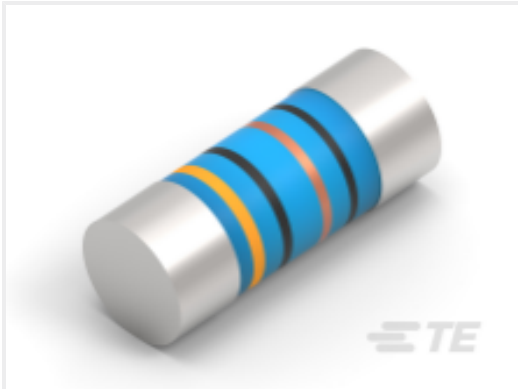


Other Automotive Connector Accessories(5)

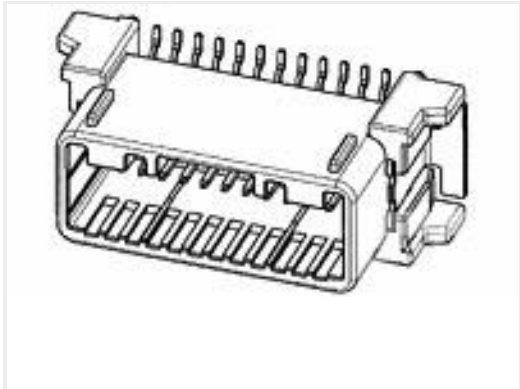
Customers Also Bought



TE Part #2322791-1
40POS,TAB0.64X0.64,HDR ASSY,
90DEG



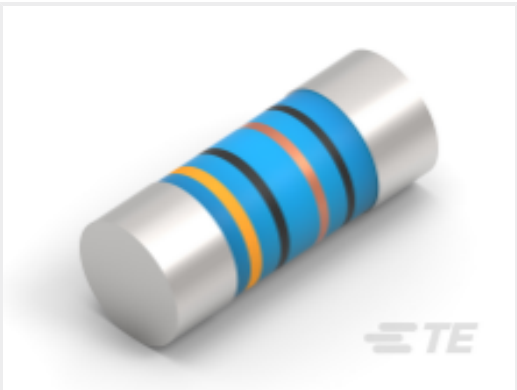
TE Part #6-2176315-3
MELF SMA_A 12K 1% 50PPM 0204 0.4
W



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



TE Part #CAT-SIGH262
Signal Header



TE Part #7-2176315-2
MELF SMA_A 68K 1% 50PPM 0204 0.4
W



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



TE Part #3-2199250-3
Shield Finger, Loose Piece, Type C, 3.2
h



TE Part #2237023-1
40P 025 CAP ASSY

Documents

Product Drawings

040 MLC CAP ASSY V 12P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_174973-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_174973-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_174973-2_E.3d_stp.zip

English

Customer View Model



[ENG_CVM_174973-2_E3.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_174973-2_E3.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_174973-2_E3.2d_dxf.zip](#)

English

[3D PDF](#)

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

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

[040 SERIES MULTI-LOCK CONNECTOR](#)

English