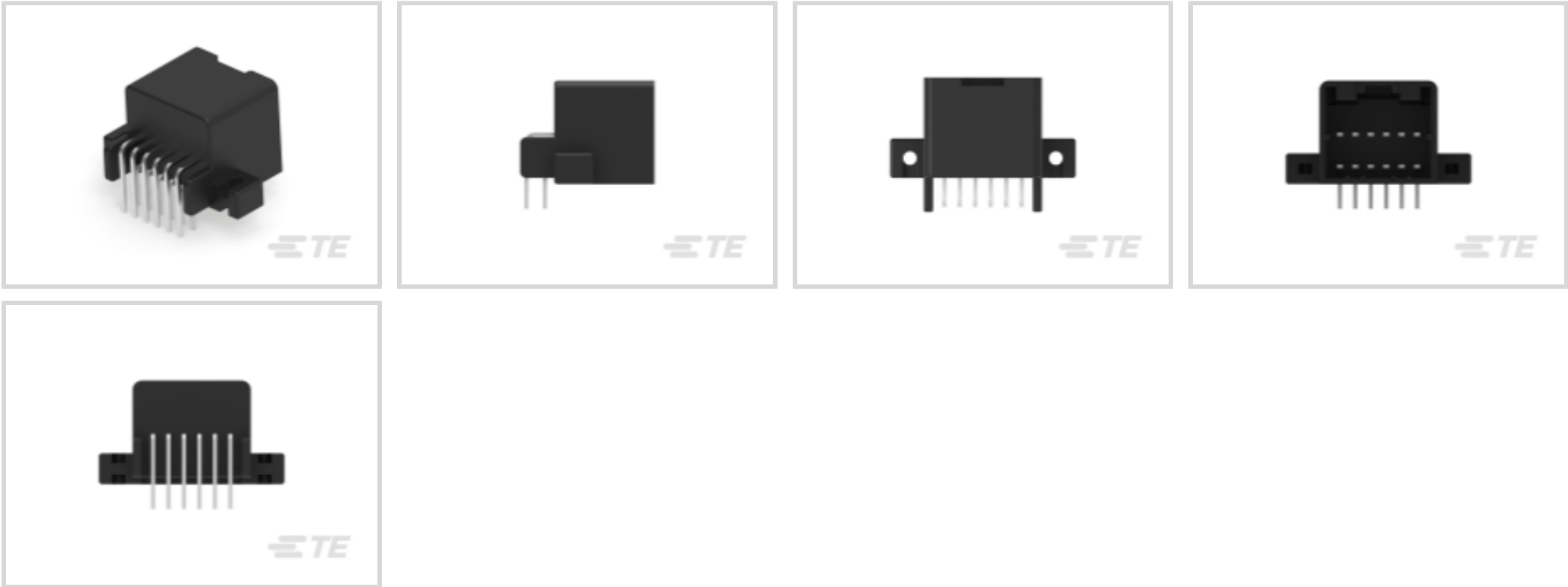




Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**
Number of Positions: **12**
Centerline (Pitch): **2.5 mm [.098 in]**
Sealable: **No**
PCB Mount Orientation: **Horizontal**

Features

Product Type Features

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

Configuration Features

Number of Positions	12
PCB Mount Orientation	Horizontal
Number of Rows	2

Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features



Contact Size	1mm
Contact Type	Tab
Mating Tab Width	1 mm[.039 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	5 A

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

Mechanical Attachment

Mating Alignment	With
Panel Mount Feature	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
--------------------	-----------------

Dimensions

Connector Width	20.4 mm[.803 in]
-----------------	------------------

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
-----------------------------	----------------------------

Operation/Application

Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Type	Tube
Packaging Quantity	80

Other

Interface Number	174045
------------------	--------

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 lead free process capable

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 # 174045-2
040 MULTILOCK PLUG 12P

TE Part # 174045-4
040 MLC PLUG HSG 12P GREEN

Also in the Series | Multilock Connector System

Automotive Connector Caps & Covers
(17)

Automotive Connector EMC Shielding
(1)

Automotive Connector Locks & Position Assurance(2)

Automotive Housings(603)



Automotive Terminals(141)



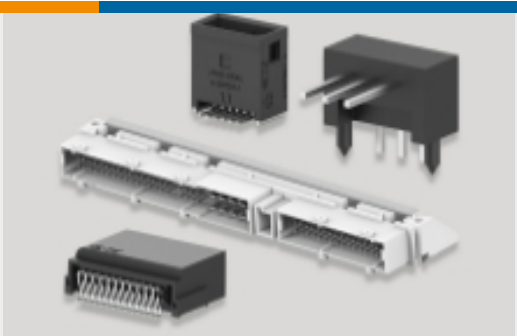
Connector Seals & Cavity Plugs(2)



Insertion & Extraction Tools(6)



Other Automotive Connector Accessories(14)



PCB Headers & Receptacles(142)

Customers Also Bought



TE Part #2-1415899-4
RZ03-1C4-D048



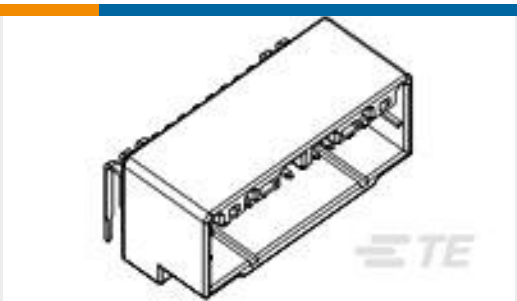
TE Part #3-2176058-1
RLP73K 3A R18 5% 2K RL



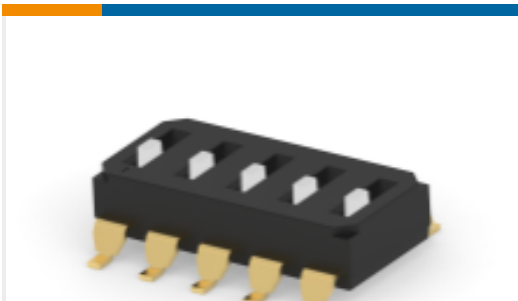
TE Part #1825967-2
FSMCDAH=6.0mm Tact W/SQ Act. & High Temp



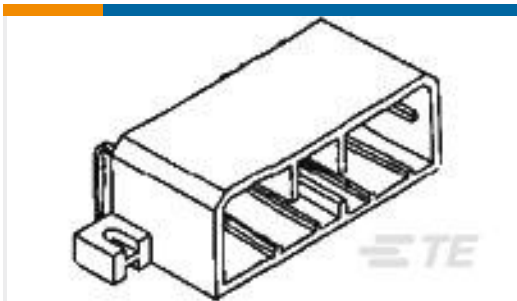
TE Part #1-1718643-1
2POS, MCON 1.2 LL REC SEALED



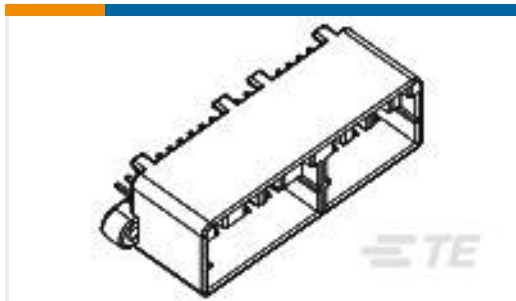
TE Part #178811-1
040/070 HYBRID CAP ASSY 26P



TE Part #2-2319847-6
END STACK DIP 5P G RAISED T&R



TE Part #173858-6
070 MLC CAP ASS'Y12P



TE Part #175977-2
040 MLC CAP ASS'Y V 36P



TE Part #2-1718643-1
2POS, MCON 1.2 LL REC SEALED



TE Part #2393361-1
32POS,TAB0.63X0.63,HDR ASSY, 90DEG,SLDR

Documents



Product Drawings

040 MULTILOCK I/O CONN 12PASSY

Japanese

CAD Files

Customer View Model

ENG_CVM_CVM_174051-2_K.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_174051-2_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_174051-2_K.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 Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

040 SERIES MULTI-LOCK CONNECTOR

English