174051-2 ✔ ACTIVE

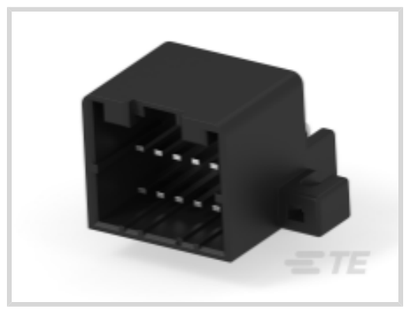
AMP | Multilock Connector System

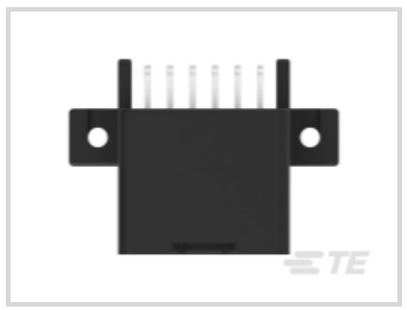
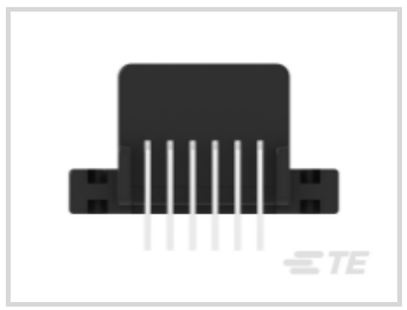
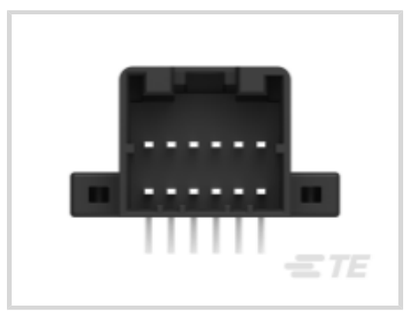
TE Internal #: 174051-2

Horizontal, Wire-to-Board, 12 Position, 2 Rows, 2.5mm [.098in] Centerline, Tin (Sn), Printed Circuit Board, Multilock Connector System

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers



PCB Mount Orientation: **Horizontal**

Contact Current Rating (Max): **5 A**

Termination Method to PCB: **Through Hole - Screw**

Sealable: **No**

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

Features

Product Type Features

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

Configuration Features

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

Body Features

Primary Product Color	Black

Contact Features

Mating Tab Width	1 mm[.04 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Type	Tab
Contact Current Rating (Max)	5 A
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Through Hole - Screw

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]

Dimensions

Connector Width	16.2 mm[.638 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Length	30 mm[1.18 in]
Profile Height from PCB	16.7 mm[.657 in]

Usage Conditions

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

Operation/Application

Solder Process	Wave Solder Capable
Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Quantity	80

Packaging Method	Tube

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not lead free process capable

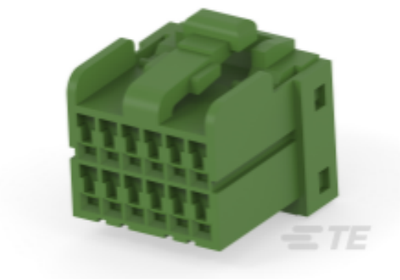
Product Compliance Disclaimer

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

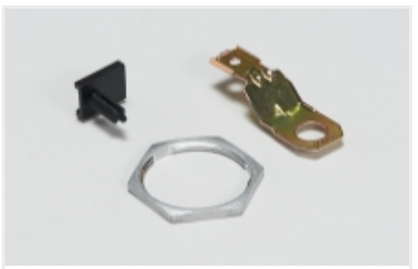
Also in the Series | Multilock Connector System



Automotive Housings(140)



Automotive Signal & Power Connector Housings(136)

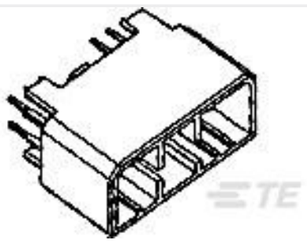


Other Automotive Connector Accessories(5)

Customers Also Bought



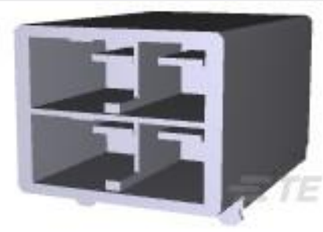
TE Part #CAT-D799-H342
DEUTSCH DRC Headers



TE Part #1-174955-1
070 MLC CAP ASSY V 8P



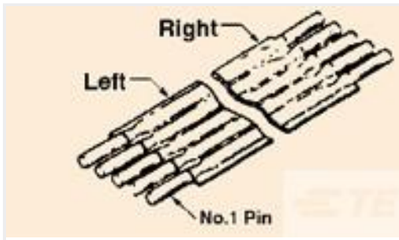
TE Part #292173-8
CT BOX HDR H SMT 8P O/TAPE BLA



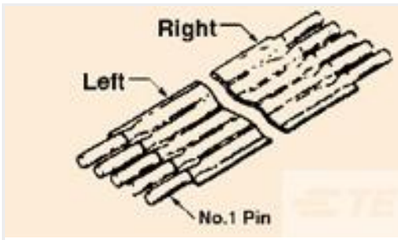
TE Part #2-1123309-2
DYNAMIC D-5 HDR H ASSY 4P YY



TE Part #4-2176330-8
CRGP 2010 82K 1%



TE Part #6-1437137-3
FSN-21.5A-30=NOMEX FS STD



TE Part #4-1437144-7
FSN-23A-26=NOMEX FS STD

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

Instruction Sheets

Instruction Sheet (non U.S.)

English

040 SERIES MULTI-LOCK CONNECTOR

English