

Multilock Connector System

TE Internal #: 1747731-2

49 Position Housing, Housing for Female Terminals, Wire-to-Board,
2.5 mm / 3 mm [.09 in / .11 in] Centerline, Sealable, Multilock
Connector System

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



Number of Positions: 49

Connector & Housing Type: Housing for Female Terminals

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

Connector System: Wire-to-Board

Centerline (Pitch): 2.5 mm, 3 mm [.09 in, .11 in]

[All MULTILOCK, CONNECTOR HOUSING \(145\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	49
Number of Rows	5

Body Features

Cable Exit Angle	180°
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Primary Product Color

Gray

Contact Features

Contact Size	.64mm, 1mm
Contact Type	Receptacle
Mating Tab Width	.64 mm, 1 mm[.025 in][.039 in]

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT
Centerline (Pitch)	2.5 mm, 3 mm[.09 in][.11 in]

Dimensions

Row-to-Row Spacing	4.2 mm[.16 in]
Product Width	27.2 mm[1.07 in]
Product Length	49.7 mm[1.95 in]
Connector Height	51.85 mm[2.04 in]

Usage Conditions

Operating Temperature (Max)	100 °C[212 °F]
Operating Temperature Range	-40 – 100 °C[-40 – 212 °F]

Operation/Application

Circuit Application	Signal
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Packaging Features

Packaging Quantity	32
Packaging Method	Package

Other

Serviceable	No
Connector Position Assurance Capable	No

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	Not applicable for solder process capability

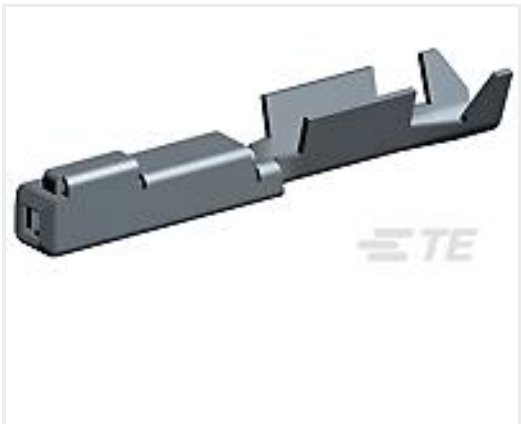
Product Compliance Disclaimer

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



TE Part # CAT-T319-T273
TH/.025 CONNECTOR SYSTEM,
RECPT AND TAB



TE Part # 1612776-1
REC CONTACT ASSY S RANGE
CLEAN

Also in the Series | [Multilock Connector System](#)



Automotive Connector Caps & Covers
(6)



Automotive Headers(77)



Automotive Housings(166)



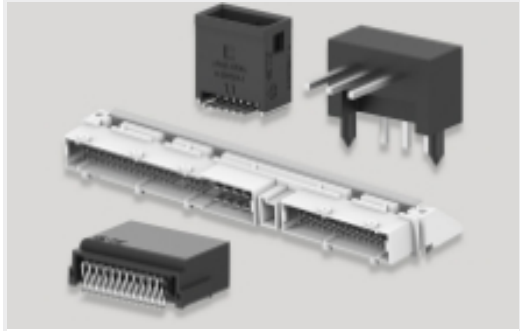
Automotive Terminals(84)



Insertion & Extraction Tools(6)



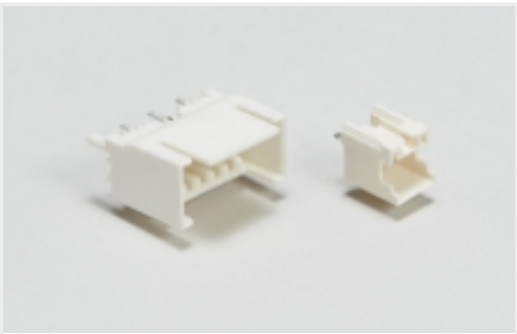
Other Automotive Connector
Accessories(6)



PCB Headers & Receptacles(77)



Rectangular Power Connectors(6)



Wire-to-Board Headers & Receptacles
(75)

Customers Also Bought



TE Part #9-1563173-9
96POS,MCON-1.2 CB,REC HSG,ASSY



TE Part #9-1452380-9
96 POS. CONNECTOR ASSY



TE Part #1452388-2
SECONDARY LOCK FOR 96 POS
CONN



TE Part #YHDP24-18-14PEC041
REC, 14P, BLK, E, KEY, 16, P
CONN



TE Part #CAT-AM7801-CH8172
AMPSEAL 16 Housings



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT04-12PA-LE20
REC, 12P, BLK, E, CAP, FLANGE, A

Documents



Product Drawings

0.64/1.0 SEALED 49POS PLUG ASSY, B KEY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1747731-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1747731-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1747731-2_B.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 CLEAN BODY 025/040 Receptacle Contact

English

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English