



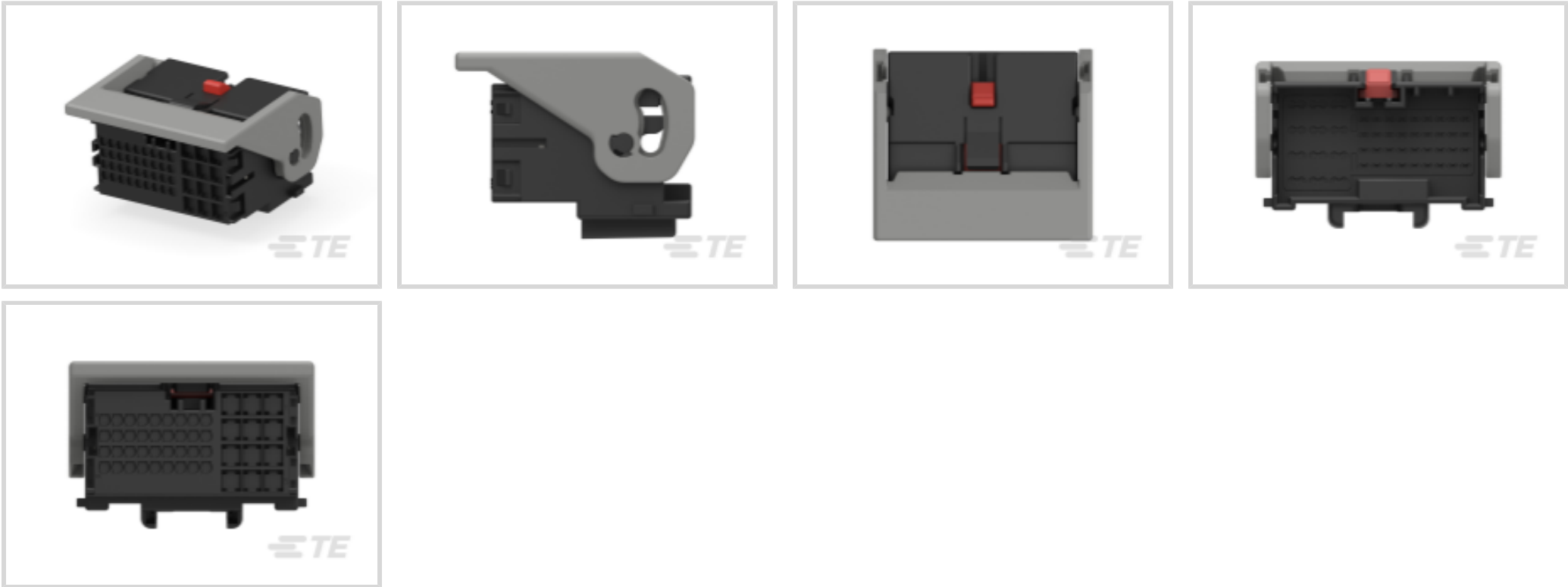
1.5/2.8 Connector System

TE Internal #: 5-2109455-2

48 Position Housing, Housing for Male Terminals, Wire-to-Wire, 3 mm / 5 mm [.11 in / .19 in] Centerline, Black, Wire & Cable, 1.5/2.8 Connector System

[View on TE.com >](#)

Connectors > Automotive Connectors > Automotive Housings



Number of Positions: 48

Connector & Housing Type: Housing for Male Terminals

Mating Tab Width: 1.2 mm, 2.8 mm [.05 in, .11 in]

Connector System: Wire-to-Wire

Centerline (Pitch): 3 mm, 5 mm [.11 in, .19 in]

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	No
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	48
Number of Rows	6

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	A



Contact Features

Contact Size	1.2mm, 2.8mm
Contact Type	Tab
Mating Tab Width	1.2 mm, 2.8 mm [.05 in][.11 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 GF
Centerline (Pitch)	3 mm, 5 mm [.11 in][.19 in]

Dimensions

Row-to-Row Spacing	2.7 mm, 6 mm [.1 in][.23 in]
Product Width	50.66 mm [1.99 in]
Product Length	58 mm [2.28 in]
Connector Height	60.32 mm [2.37 in]

Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Quantity	24
Packaging Method	Tray

Other

Serviceable	Yes
Connector Position Assurance Capable	Yes

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 # 2109456-2
050/110 48P CAP HSG CODE A

TE Part # 2109452-2
050/110 48P PLUG ASSY CODE A

TE Part # CAT-T4827-T273
TIMER, RECEPTACLE AND TAB

TE Part # 1418762-1
MCON 1.2 LL TAB STC SN

TE Part # 2109457-3
050/110 48P CAP LEVER HSG

Also in the Series | 1.5/2.8 Connector System



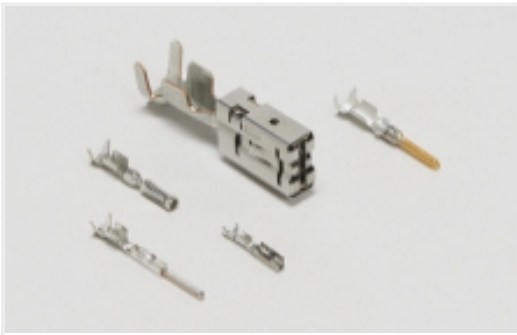
Automotive Connector Caps & Covers (3)



Automotive Headers(1)



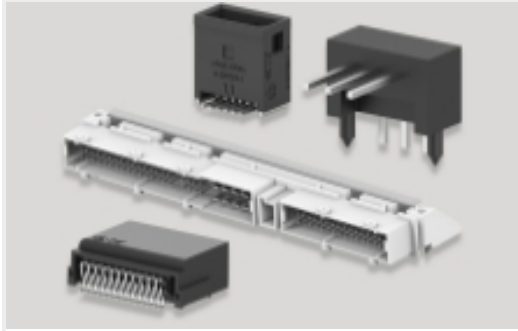
Automotive Housings(24)



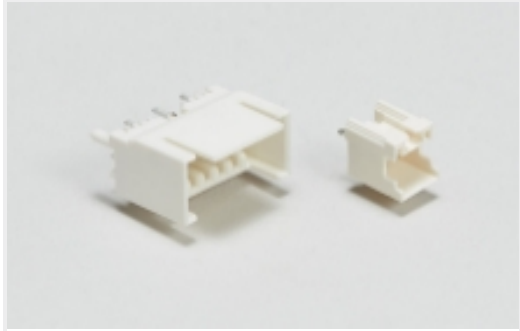
Automotive Terminals(47)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(1)



Wire-to-Board Headers & Receptacles (1)

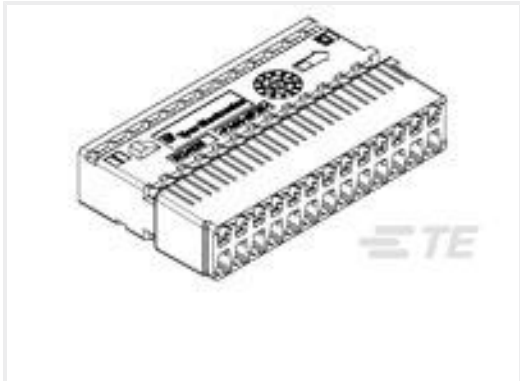
Customers Also Bought



TE Part #2098067-2
Plug Assembly, Hybrid, BCM, IP2, B Key



TE Part #2-2236898-5
5POS, MCON 1.2 LL REC SEALED



TE Part #1924136-1
Carrier, 26P Generation Y, 52P Conn



TE Part #2035363-6
1X6 GENERATION Y ASSY KEYD CPA



TE Part #2287390-5
SINGLE WIRE SEAL,8MM,ASSY



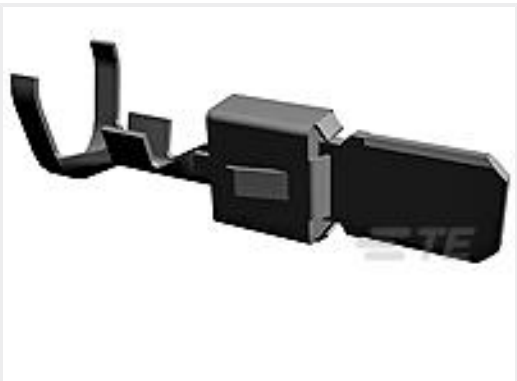
TE Part #2272975-5
6 Pos. Sealed MCON 1.2 Connect



TE Part #2272165-1
MCON WIRE DRESS, 3P, RIGHT ANGLE



TE Part #829131P014
ES2000-NO.1-C1-0-65MM



TE Part #964312-1
TAB A 5.8x0.8 CONTACT CF SWS Sn



TE Part #2310000-2
10POS,MQS,REC HSG ASSY,UNSLD, COD B

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-2109455-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-2109455-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-2109455-2_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Application Specification

English