5-2109455-2 ✔ ACTIVE

1.5/2.8 Connector System

TE Internal #: 5-2109455-2

Housing for Male Terminals, Wire-to-Wire, 48 Position, 3 mm [.118 in] Centerline, Black, Signal, Cable Mount (Free-Hanging), 1.5/2.8 Connector System

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings







Connector System: **Wire-to-Wire**

Number of Positions: **48**

Connector & Housing Type: **Housing for Male Terminals**

Centerline (Pitch): **3 mm [.118 in]**

Sealable: **No**

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	No
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	48
Number of Rows	4

Electrical Characteristics

Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

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[.047 in]

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	3 mm[.118 in]

Dimensions

Product Width	58 mm[2.283 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Signal

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

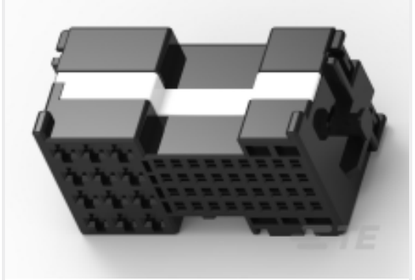
Compatible Parts



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



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



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

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

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

Also in the Series | 1.5/2.8 Connector System



Automotive Connector Caps & Covers (4)



Automotive Housings(27)



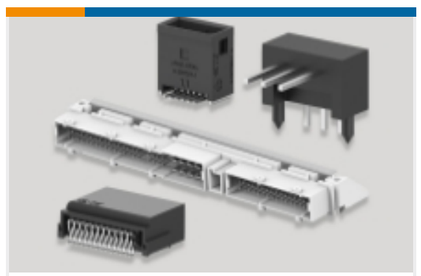
Automotive Terminals(50)



Insertion & Extraction Tools(1)

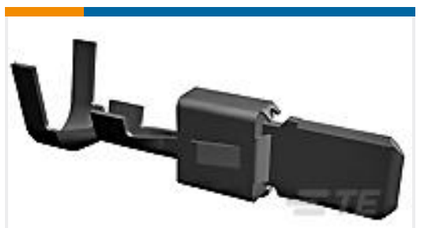


Other Automotive Connector Accessories(1)



PCB Headers & Receptacles(1)

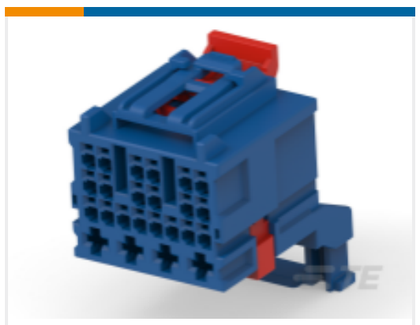
Customers Also Bought



TE Part #1-962917-1
TAB 5.8x0.8 CONTACT CS SWS Sn



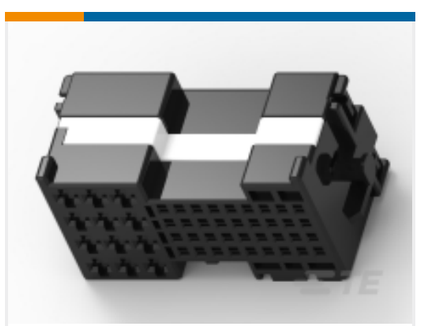
TE Part #175088-1
.187 SEALD TAB CONT L



TE Part #1-2295389-5
PLUG ASSY, 24WAY HYBRID, UNSEALED, E



TE Part #2005281-3
MT3/JPT/SPT HYB 58P PLUG ASSY



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



TE Part #2297523-1
TAB HSG ASSY, DTB 50POSN.



TE Part #EM8245-000
FL2500-NO.0-I7-0-50MM

TE Part #1-2332284-2
FAKRA CABLE ASSY



TE Part #1-2355690-1
2POS,MCON 1.2,REC HSG ASSY,SLD, COD A



TE Part #2310000-1
10POS,MQS,REC HSG ASSY,UNSLD, COD A

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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

175977-2 2005330-1 SBCHE154R7K 1903112-2 3430B2F51RTDF 917696-1 U5254-000005-030PA
2377783-2 CPF0402B37K4E1 2-292161-3 2834055-1 CRGCQ2010J3K3 SMW73R0JT 141991-2
1743455-2 936348-1 RH73H2A40MKTN ROX05SJ18R TE50BR39J 1393431-1 1969656-1 2310537-1
2380312-2 3-1393225-0 3631B101LL MPT100C18RF 1-794222-0 1-962915-1 SBCHE64R7K 650075-000