2301462-1 ✔ ACTIVE

AMP MCP Connector System, MCON Interconnection System

TE Internal #: 2301462-1

Housing for Female Terminals, Wire-to-Wire, 30 Position, Sealable, Black, Signal, Cable Mount (Free-Hanging), Key A, Hybrid

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings







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

Number of Positions: **30**

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

Sealable: **Yes**

Mating Tab Width: **1.2 mm, 2.8 mm, 6.3 mm [.047 in, .11 in, .25 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	30
Number of Rows	3

Body Features

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

Contact Features

Contact Size	1.2mm, 2.8mm, 6.3mm
Contact Type	Receptacle
Mating Tab Width	1.2 mm, 2.8 mm, 6.3 mm[.047 in][.11 in][.25 in]

Mechanical Attachment

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

Housing Features

Housing Material	PA

Dimensions

Connector Height	34.8 mm[1.37 in]
Product Width	44.5 mm[1.75 in]
Product Length	91.8 mm[3.61 in]

Operation/Application

Circuit Application	Signal

Packaging Features

Packaging Quantity	21
Packaging Method	Tray

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: JUNE 2024 (241)

	Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) **Article Safe Usage Statements:** Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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

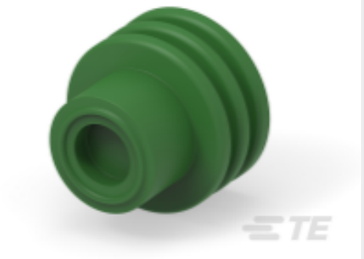
Product Compliance Disclaimer

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 # 967652-1
PQ BLINDSTOPFEN 8,5



TE Part # 1719043-1
SINGLE WIRE SEAL,GREEN



TE Part # 828922-1
2,5MM CAVITY PLUG FOR 5,4MM DI



TE Part # 828905-1
SINGLE-WIRE-SEAL(5MM HOLE)



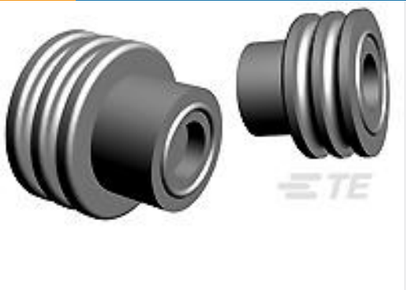
TE Part # CAT-AM705-T273
AMP MCP, RECEPTACLE AND TAB



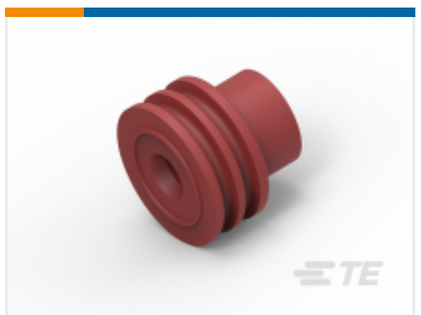
TE Part # CAT-M4595-T273
MCON Receptacle and Tab



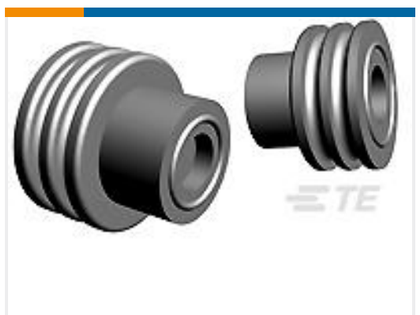
TE Part # 2301461-1
30POS,HYBRID,TAB HSG ASSY,SLD, COD A



TE Part # 1394511-1
EINZELLEITDICHTG,WS



TE Part # 1823111-1
SINGLE WIRE SEAL,FOR WIRE 2.5 SQMM,BN



TE Part # 1394512-1
EINZELLEITDICHTG,BL



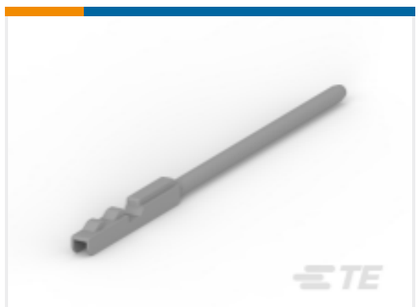
TE Part # 828904-1
SINGLE WIRE SEAL FOR J.P.T.CON



TE Part # 2177018-1
SINGLE WIRE SEAL,AMP MCP6.3/4.8K, YW



TE Part # 2272726-1
30P SEALED HYBRID, WIRE DRESS

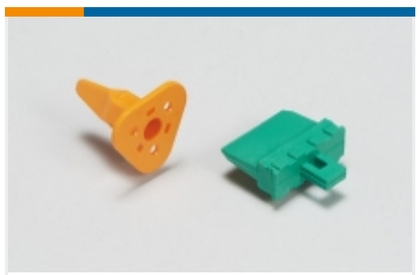


TE Part # 2304518-1
MCON 1.2CB SEAL CAVITY PLUG, EXTRA LONG

Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (24)



Automotive Connector Locks & Position Assurance(4)



Automotive Housings(260)



Automotive Terminals(11)



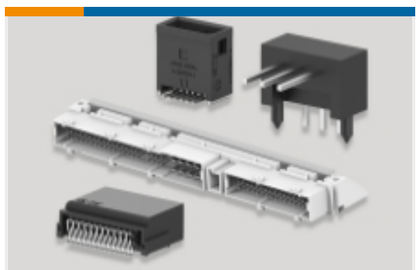
Connector Seals & Cavity Plugs(5)



Insertion & Extraction Tools(13)

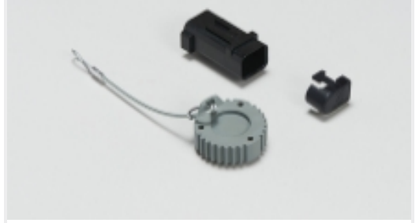


Other Automotive Connector Accessories(2)

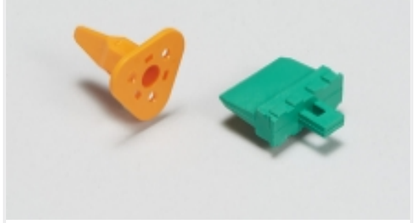


PCB Headers & Receptacles(28)

Also in the Series | MCON Interconnection System



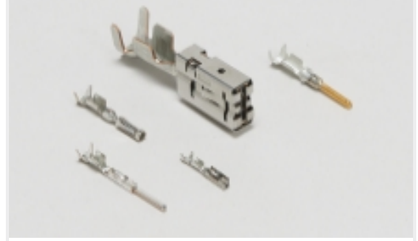
Automotive Connector Caps & Covers (36)



Automotive Connector Locks & Position Assurance(15)



Automotive Housings(119)



Automotive Terminals(26)



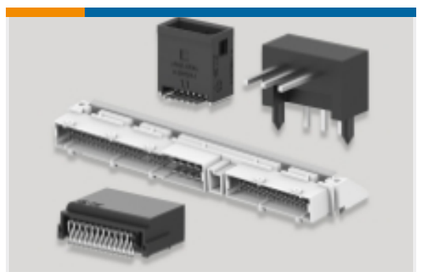
Connector Seals & Cavity Plugs(9)



Insertion & Extraction Tools(31)

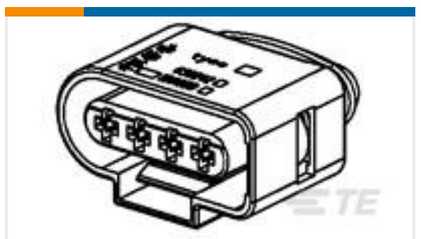


Other Automotive Connector Accessories(4)



PCB Headers & Receptacles(4)

Customers Also Bought



TE Part #638245-2
Receptacle Assembly, 4 position, Sealed,



TE Part #2-2834075-2
2P REC, MINIATURE WATERPROOF CONN.BLACK



TE Part #485043-1
SPLICE 4000-9000 .020 BR



TE Part #1326031-7
2.8MM BLD,SEAL,20AWG,REVREEL



TE Part #2272162-1
MCON WIRE DRESS, 4P, STRAIGHT



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



TE Part #2301461-1
30POS,HYBRID,TAB HSG ASSY,SLD, COD A



TE Part #1-2109472-2
MCP 1.5/2.8 SLD 30P PLUG COVER



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



TE Part #2316171-1
4P UNSEALED HYBRID,CONN KIT

Documents

Product Drawings

30POS,HYBRID,REC HSG ASSY,SLD,COD A

English

CAD Files

Customer View Model

ENG_CVM_CVM_2301462-1_C1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2301462-1_C1.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2301462-1_C1.3d_igs.zip

English

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Instruction Sheets

Instruction Sheet (U.S.)

English

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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