284844-3 ✔ ACTIVE

AMP | AMP MCP 1.5K, AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 284844-3

Housing for Male Terminals, Wire-to-Wire, 12 Position, 5 mm [.196 in] Centerline, Sealable, Black, Wire & Cable, Power & Signal, Hybrid

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > AMP MCP, SEALED CONNECTOR HOUSING



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

Number of Positions: **12**

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

Centerline (Pitch): **5 mm [.196 in]**

Sealable: **Yes**

All AMP MCP, SEALED CONNECTOR HOUSING (130)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	24 VDC
Nominal Voltage Architecture	12 V, 24 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	1.5mm, 2.8mm
Contact Type	Tab
Contact Current Rating (Max)	11 A, 20 A

Mechanical Attachment

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

Housing Features

Housing Material	PA GF
Centerline (Pitch)	5 mm[.196 in]

Dimensions

Connector Height	49.4 mm[1.945 in]
Product Width	21.5 mm[.846 in]
Product Length	41.4 mm[1.63 in]
Row-to-Row Spacing	4.8 mm[.189 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-25 – 125 °C[-13 – 257 °F]

Operation/Application

Circuit Application	Power & Signal

Packaging Features

Packaging Quantity	500
Packaging Method	Box

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) 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



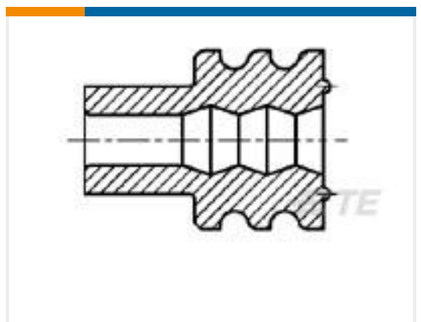
TE Part # CAT-AM705-CH8172
AMP MCP, SEALED CONNECTOR HOUSING



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



TE Part # 963293-1
SEALING F JPT+2,8



TE Part # 963292-1
WIRE SEALING 2,2



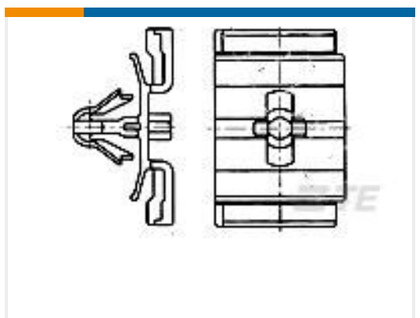
TE Part # 828906-2
BLINDSTOPFEN 1,5SYS



TE Part # 963294-1
SINGLE WIRE SEAL INSULATION DI



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



TE Part # 282322-1
HOOK FOR SEALED SEC.CONN.



TE Part # 284863-1
SINGLE WIRE SEAL F.EXT.INS.DIA



TE Part # 1745011-1
PANEL HOOK



TE Part # 2305954-1
EXTRACTION TOOL,AMP MCP 1.5K, TAB HSG



TE Part # 828906-1
CAVITY PLUG (5MM HOLE)

Also in the Series | AMP MCP 1.5K



Automotive Connector Caps & Covers (3)



Automotive Housings(80)



Automotive Terminals(22)

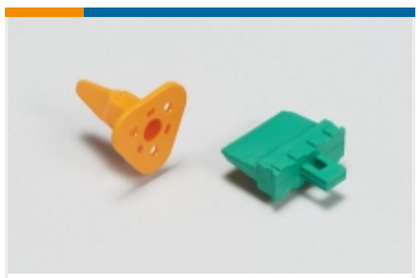


Insertion & Extraction Tools(1)

Also in the Series | AMP MCP 2.8



Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(5)



Automotive Housings(162)



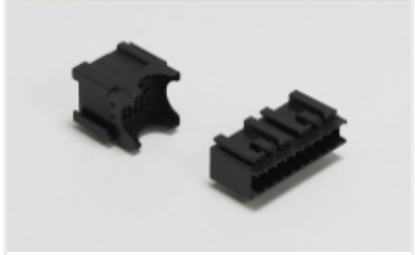
Automotive Terminals(53)



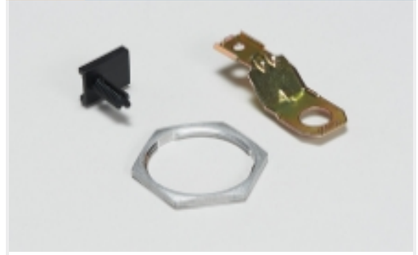
Connector Seals & Cavity Plugs(4)



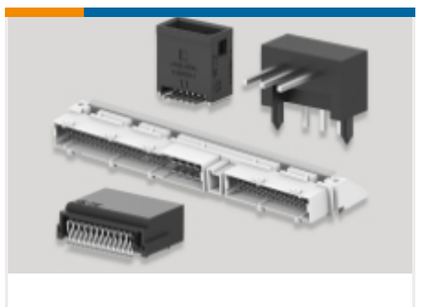
Insertion & Extraction Tools(6)



Module Components(1)



Other Automotive Connector Accessories(1)

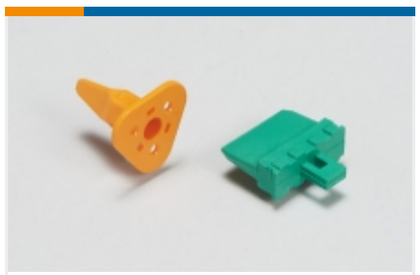


PCB Headers & Receptacles(1)

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)



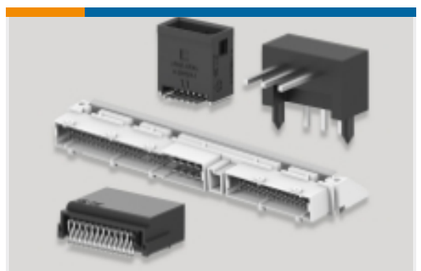
Connector Seals & Cavity Plugs(5)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(28)

Customers Also Bought



TE Part #1-1355668-2
JPT EDS BUGH,ASSY2P



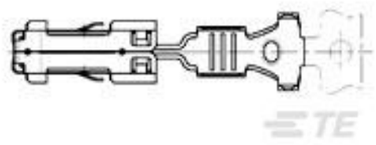
TE Part #828906-2
BLINDSTOPFEN 1,5SYS



TE Part #1-1718624-2
2 POS HSG AMP MCP 2.8 ASSY



TE Part #929941-1
TIMER, RECEPTACLE AND TAB



TE Part #1703034-1
SENSOR CONTACT 2,8



TE Part #900324-4
070 RUBBER PLUG S



TE Part #1674936-5
0.64 III RCPT NON SEALED TIN (S)



TE Part #2236700-1
1.5MM SFC,CONTACT



TE Part #284818-1
1 POS CANDELETTE

Documents

Product Drawings

12 POS MCP HYBRID MALE CONN AS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_284844-3_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_284844-3_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_284844-3_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Product Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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