284848-1 ✔ ACTIVE

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

TE Internal #: 284848-1

Housing for Female 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 Female 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 Female 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	Receptacle
Mating Tab Width	1.6 mm, 2.8 mm[.063 in][.11 in]
Contact Current Rating (Max)	11 A, 20 A

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Polarization Slot
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	32.6 mm[1.283 in]
Product Width	26.6 mm[1.047 in]
Product Length	45.8 mm[1.803 in]
Row-to-Row Spacing	4.5 mm[.177 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	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



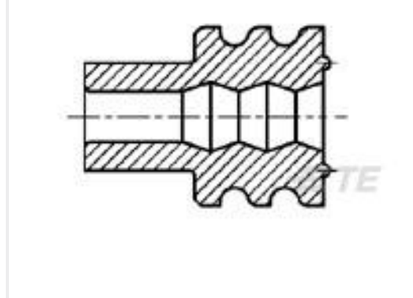
TE Part # CAT-AM705-CH8172
AMP MCP, SEALED CONNECTOR HOUSING



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-AM705-T273

AMP MCP, RECEPTACLE AND TAB



TE Part # 284863-1

SINGLE WIRE SEAL F.EXT.INS.DIA



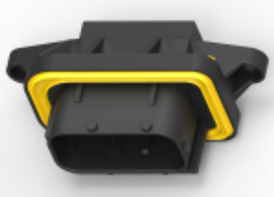
TE Part # 1-284844-0

12 POS MCP HYBRID MALE CONNECTOR



TE Part # 828906-1

CAVITY PLUG (5MM HOLE)



TE Part # 1745045-1

12 POS 1.6 AND 2.8 TAB CONNECTOR

TE Part # 284850-1

SLIDE FOR 12 POS FEMALE HOUSIN

TE Part # 284851-1

SECONDARY LOCK FOR 12 POS FEMA

TE Part # 284852-1

PERIPHERAL SEAL FOR 12 POS MCP

TE Part # 284857-1

CONNECTOR POSITION ASSURANCE

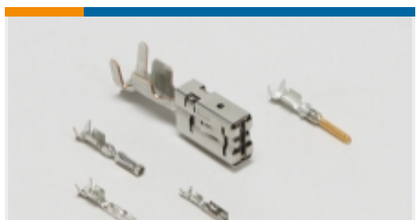
Also in the Series | AMP MCP 1.5K



Automotive Connector Caps & Covers (3)



Automotive Housings(80)

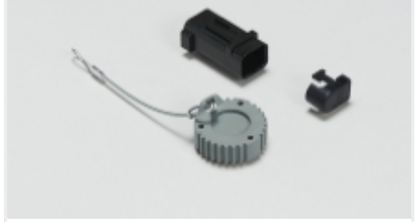


Automotive Terminals(22)

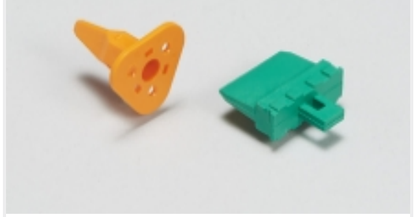


Insertion & Extraction Tools(1)

Also in the Series | AMP MCP 2.8



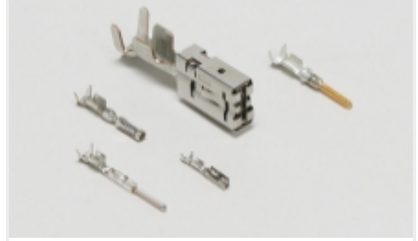
Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(5)



Automotive Housings(162)



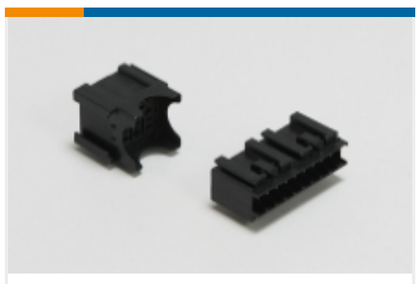
Automotive Terminals(53)



Connector Seals & Cavity Plugs(4)



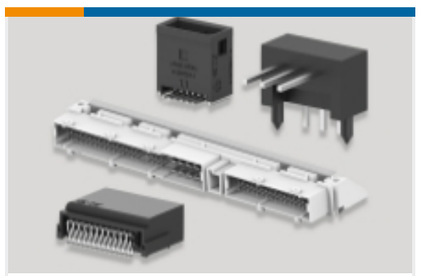
Insertion & Extraction Tools(6)



Module Components(1)



Other Automotive Connector Accessories(1)

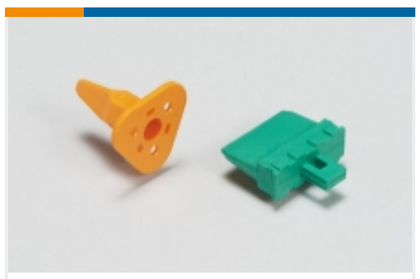


PCB Headers & Receptacles(1)

Also in the Series | AMP MCP Connector System



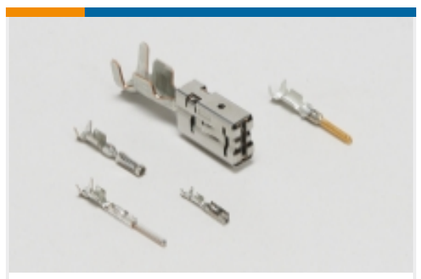
Automotive Connector Caps & Covers (24)



Automotive Connector Locks & Position Assurance(4)



Automotive Housings(260)



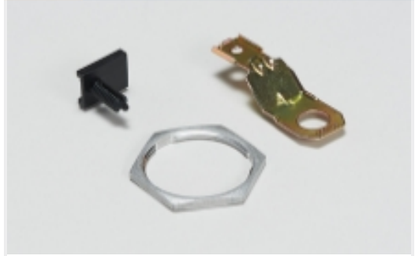
Automotive Terminals(11)



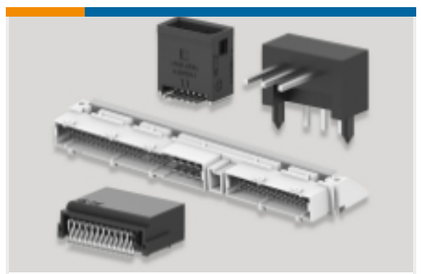
Connector Seals & Cavity Plugs(5)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(28)

Customers Also Bought



TE Part #368135-6
040/070 HYB 22P PLUG HSG GRAY



TE Part #284088-1
MULTILOCK, RECEPTACLE AND TAB



TE Part #1745032-1
2 POS. MCP2.8 CONNECTOR FOR IGNITION KEY



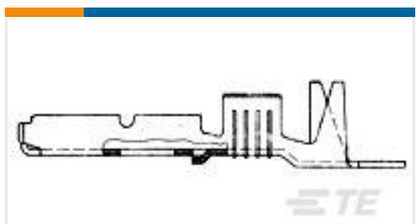
TE Part #284863-1
SINGLE WIRE SEAL F.EXT.INS.DIA



TE Part #2236047-2
32POS,MIXED,RECEPTACLE CONNECTOR,COD B



TE Part #281871-1
5MM PITCH TAB/RECPT CONN



TE Part #281938-3
MIC MARKII RCPT CONTACT

TE Part #2-2435153-1
TAB2.8X0.8,TERMINAL,CF SWS SN

TE Part #2405503-2
HSG FEMALE GEN 3.0 FAKRA AUTO

Documents

Product Drawings

12 POS MCP HYBRID FEMALE CONN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_284848-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_284848-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_284848-1_D.3d_stp.zip

English

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

Product Specifications

Application 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:

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