



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



Number of Positions: 12

Connector & Housing Type: Housing for Male Terminals

Mating Tab Width: 1.5 mm, 2.8 mm [.06 in, .11 in]

Connector System: Wire-to-Wire

Centerline (Pitch): 4.2 mm [.16 in]

[All AMP MCP, SEALED CONNECTOR HOUSING \(99\)](#)

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	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	24 VDC
Nominal Voltage Architecture	24 V



Body Features

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

Contact Features

Contact Size	1.5mm, 2.8mm
Contact Type	Tab
Mating Tab Width	1.5 mm, 2.8 mm[.06 in][.11 in]
Contact Current Rating (Max)	14 A, 20 A

Mechanical Attachment

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

Housing Features

Housing Material	PA 66 GF20
Centerline (Pitch)	4.2 mm[.16 in]

Dimensions

Row-to-Row Spacing	5.5 mm[.21 in]
Product Width	20.8 mm[.81 in]
Product Length	34.3 mm[1.35 in]
Connector Height	33.7 mm[1.32 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]

Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Quantity	900
Packaging Method	Box

Other



Serviceable	Yes
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: JAN 2025 (247) 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>

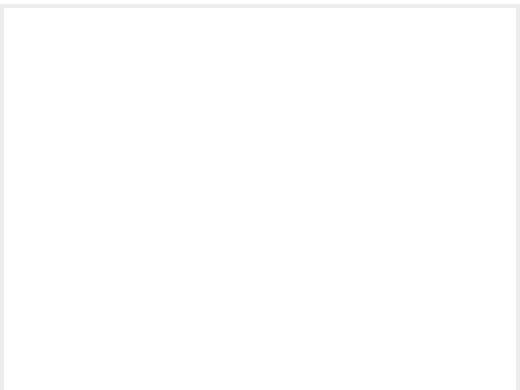
Compatible Parts



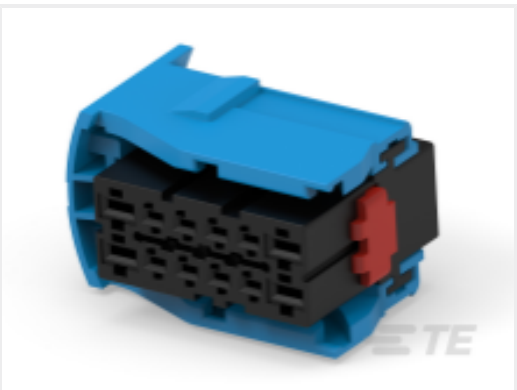
TE Part # CAT-T4827-T273
TIMER, RECEPTACLE AND TAB



TE Part # 284875-2
20 POS FEMALE CONN ASSY



TE Part # 284859-1
12 POS MALE HOUSING



TE Part # 284853-1
12 POS FEMALE CONNECTOR ASSY

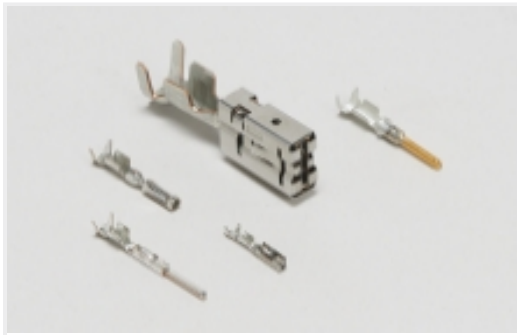
Also in the Series | AMP MCP 1.5K



Automotive Connector Caps & Covers
(24)



Automotive Housings(281)



Automotive Terminals(7)

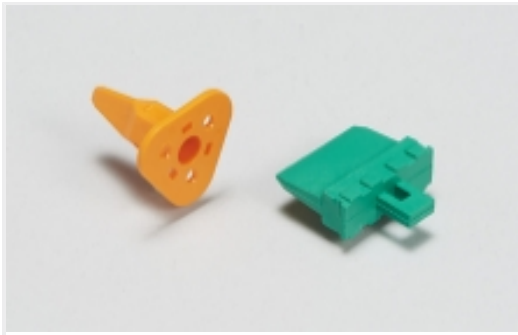


Insertion & Extraction Tools(13)

Also in the Series | AMP MCP 2.8



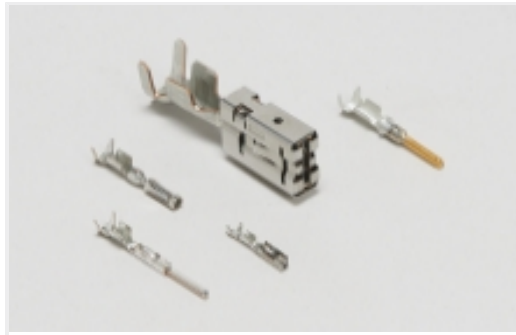
Automotive Connector Caps & Covers
(24)



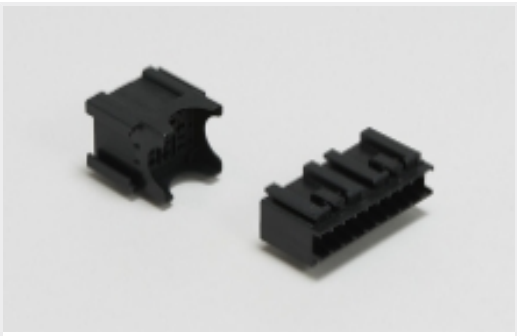
Automotive Connector Locks &
Position Assurance(4)



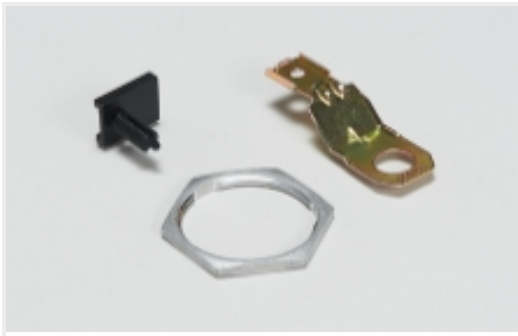
Automotive Housings(281)



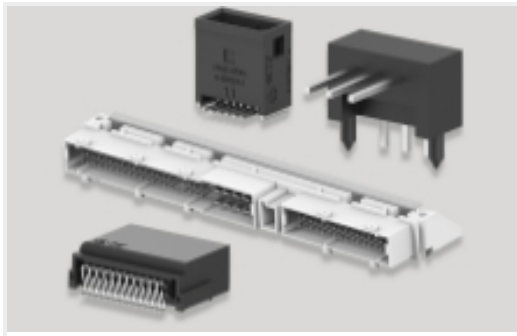
Automotive Terminals(7)



Module Components(1)



Other Automotive Connector
Accessories(2)

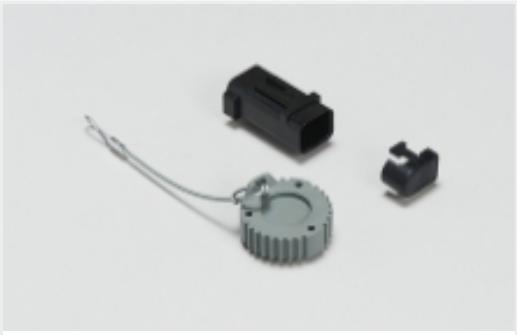


PCB Headers & Receptacles(31)

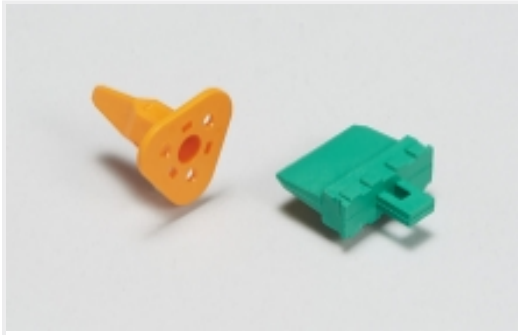


Rectangular Power Connectors(15)

Also in the Series | AMP MCP Connector System



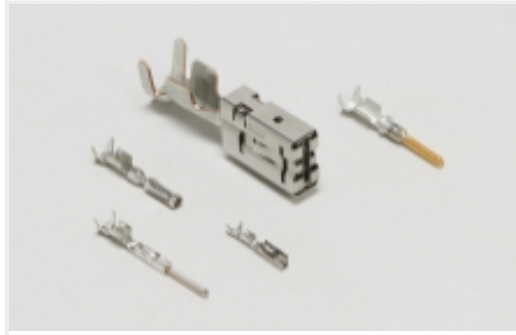
Automotive Connector Caps & Covers
(24)



Automotive Connector Locks &
Position Assurance(4)



Automotive Housings(281)



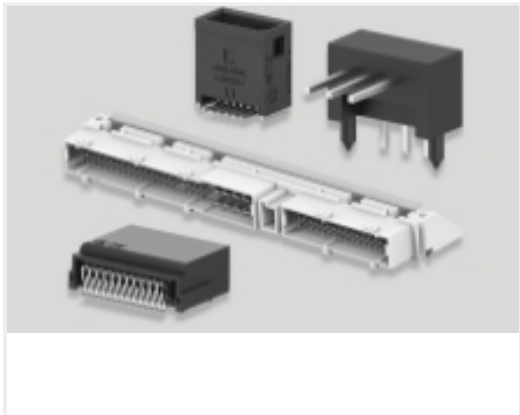
Automotive Terminals(7)



Connector Seals & Cavity Plugs(5)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(31)



Rectangular Power Connectors(15)

Customers Also Bought



TE Part #2098963-1
30 WAY SHIELD ASSEMBLY, KEY AD



TE Part #1326028-1
0.64MM FEMALE CONTACT,AU,18-20



TE Part #1-1924067-5
2POS, MCON 1.2 CB REC 2p TL SEALED



TE Part #284879-1
20 POS MALE HOUSING ASSY



TE Part #1823347-1
8POS, MIXED,REC HSG,ASSY



TE Part #1745068-1
3 POS. MCP 1,5 SRS. REC. CONNECTOR UNSLD.



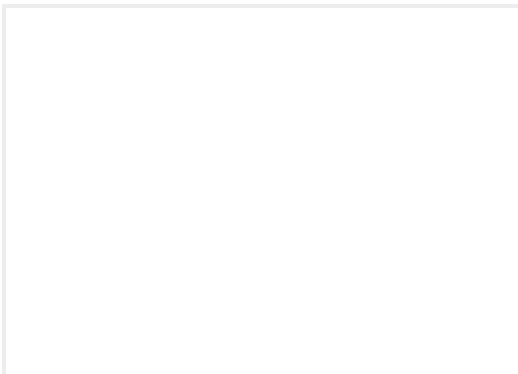
TE Part #282036-1
SEC.LOCK FOR TERM.15A-20A



TE Part #1456989-1
2x8 Fem unsealed LP assy Key A



TE Part #2-1418647-5
27pos MQS .63 header 180deg



TE Part #2098971-1
36WAY RECEPTACLE CARRIER

Documents

Product Drawings
12 POS MALE HOUSING ASS'Y
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_284858-1_D.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_284858-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_284858-1_D.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

12 POS. HYBRID CONNECTOR UNSEALED FOR AMPMCP 1.5 AND 2.8 CONTACTS

English

12 POS. HYBRID CONNECTOR UNSEALED FOR AMPMCP 1.5 AND 2.8 CONTACTS

English

Instruction Sheets

12POS. AMPMCP1.5AND 2.8 MALE AND FEMALE HYBRID UNSEALED CONNECTOR

English

[Instruction Sheet \(non U.S.\)](#)

English