8-968975-1 ✔ ACTIVE

AMP MCP | AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 8-968975-1

12 V, 21 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 5 mm [.19 in] Centerline, Brown, Wire & Cable, Power, Hybrid

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings







Nominal Voltage Architecture: **12 V**

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

Number of Positions: **21**

Sealable: **No**

Operating Temperature Range: **-30 – 100 °C [-22 – 212 °F]**

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	No
Primary Locking Feature	Clean Body
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	21
Number of Rows	3

Electrical Characteristics

Operating Voltage	28 VDC
Nominal Voltage Architecture	12 V

Body Features

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

Contact Features

Contact Size	2.8mm
Contact Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]

Mechanical Attachment

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

Housing Features

Housing Material	PBT GF15
Centerline (Pitch)	5 mm[.19 in]

Dimensions

Product Length	41 mm[1.61 in]
Connector Height	24 mm[.945 in]

Usage Conditions

Operating Temperature Range	-30 – 100 °C[-22 – 212 °F]
Operating Temperature (Max)	100 °C[212 °F]

Operation/Application

Circuit Application	Power

Packaging Features

Packaging Method	Carton
Packaging Quantity	900

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 966140-6
MESSERLEISTE 21P



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



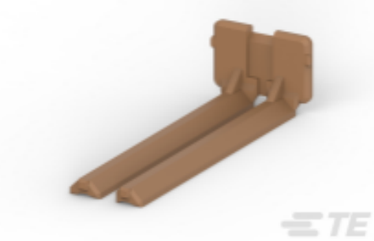
TE Part # CAT-AM705-CH8173
AMP Unsealed Connector Housing



TE Part # 2421721-6
21POS,TAB2.8X0.8,HDR ASSY,90DEG, COD A,RS



TE Part # CAT-LMPH9507
Low & Medium Power Header



TE Part # 967635-1
2.0 KONT

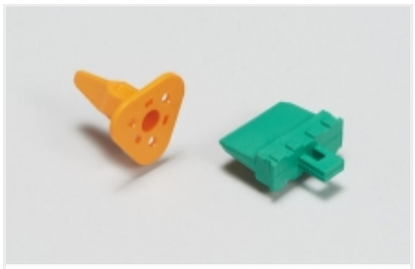


TE Part # CAT-T4827-CH8172
Timer Connector Housing

Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (1)



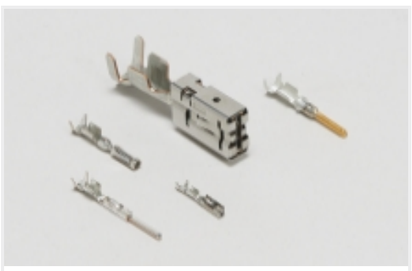
Automotive Connector Locks & Position Assurance(5)



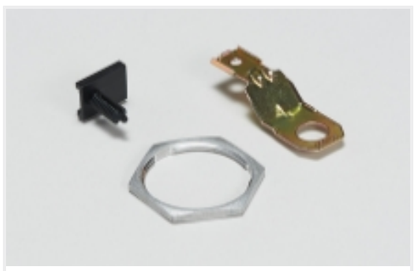
Automotive Housings(193)



Automotive Signal & Power Headers(1)

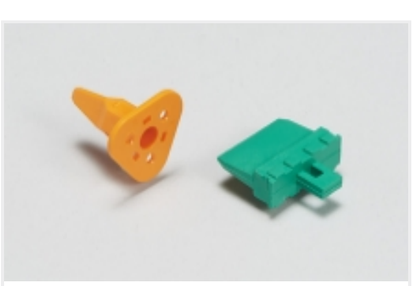


Automotive Terminals(52)



Other Automotive Connector Accessories(1)

Also in the Series | AMP MCP 2.8



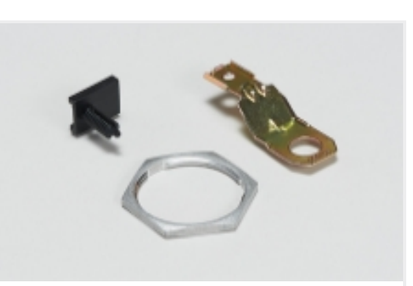
Automotive Connector Locks & Position Assurance(5)



Automotive Housings(193)



Automotive Seals & Cavity Plugs(2)



Other Automotive Connector Accessories(1)

Customers Also Bought



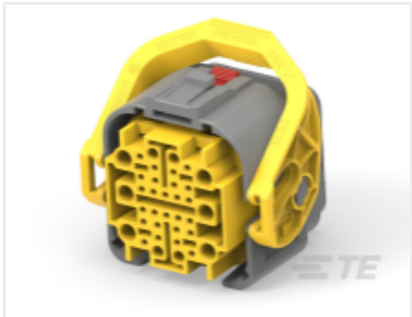
TE Part #966500-1
JPT GEH KOMPL 24P



TE Part #CAT-AM705-CH8173
AMP Unsealed Connector Housing



TE Part #1-968851-1
AMP MCP 2.8, CONTACT



TE Part #2445859-2
36POS,HYBRID,SOC HSG ASSY,SLD, COD B

Documents

Product Drawings

MCP2.8 GEH 21P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-968975-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-968975-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-968975-1_F.3d_stp.zip

English

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Product Specifications

Application Specification

English