8-968975-2 ✔ ACTIVE

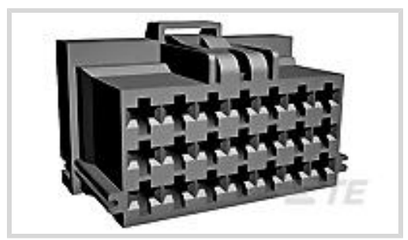
AMP | AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 8-968975-2

Housing for Female Terminals, Wire-to-Wire, 21 Position, .197 in [5 mm] Centerline, Gray, Signal, Cable Mount (Free-Hanging), Hybrid

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > AMP MCP Unsealed Connector Housings



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

Number of Positions: **21**

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

Centerline (Pitch): **5 mm [.197 in]**

Sealable: **No**

All AMP MCP Unsealed Connector Housings (195)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	No
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	21
Number of Rows	3

Electrical Characteristics

Operating Voltage	28 VDC
Nominal Voltage Architecture	12 V, 24 V

Body Features

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

Contact Features

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

Mechanical Attachment

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

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	5 mm[.197 in]

Dimensions

Connector Height	24 mm[.945 in]
Product Length	37.5 mm[1.476 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Operation/Application

Circuit Application	Signal

Packaging Features

Packaging Quantity	900
Packaging Method	Carton

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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-CH8172
Timer Connector Housing



TE Part # 2-1394765-1
2.8FLA-STE-GEH 21P



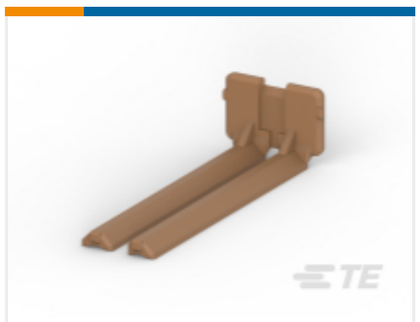
TE Part # 966140-6
MESSERLEISTE 21P



TE Part # CAT-LMPH9507
Low & Medium Power Header



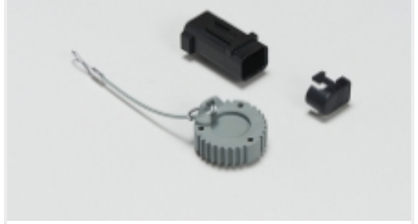
TE Part # CAT-AM705-T273
AMP MCP, RECEPTACLE AND TAB



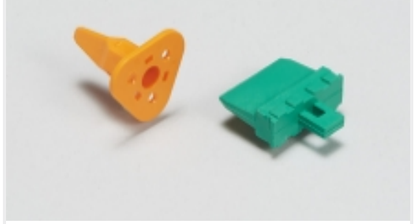
TE Part # 967635-1
2.0 KONT

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

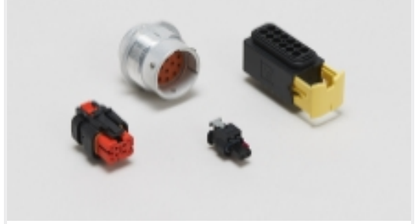
Also in the Series | AMP MCP 2.8



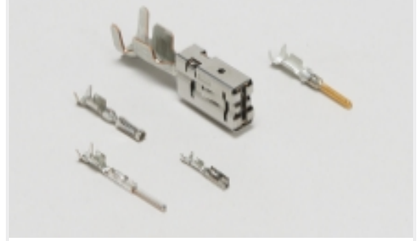
Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(5)



Automotive Housings(167)



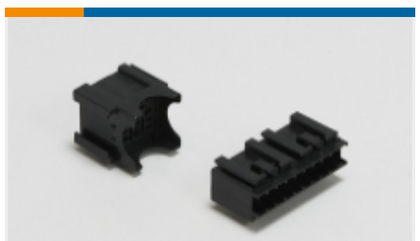
Automotive Terminals(10)



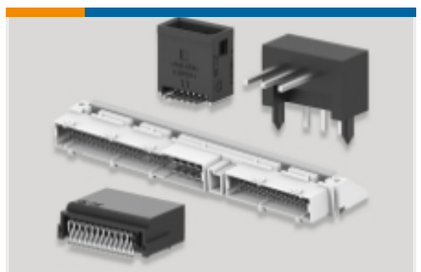
Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(6)



Module Components(1)

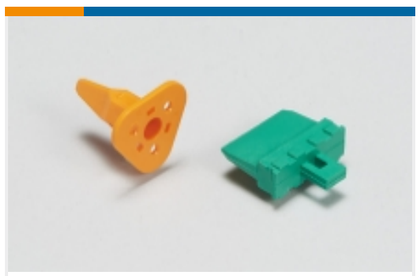


PCB Headers & Receptacles(1)

Also in the Series | AMP MCP Connector System



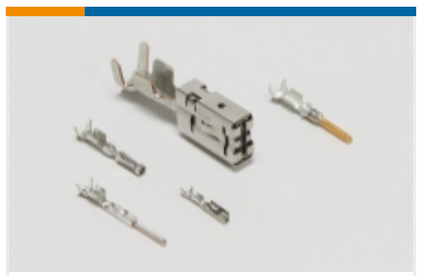
Automotive Connector Caps & Covers (23)



Automotive Connector Locks & Position Assurance(6)



Automotive Housings(332)



Automotive Terminals(129)



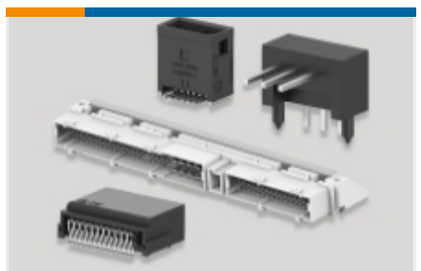
Connector Seals & Cavity Plugs(7)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(28)

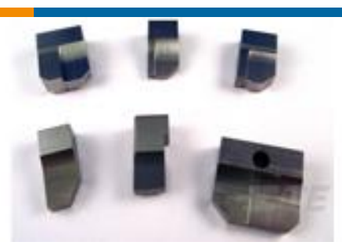
Customers Also Bought



TE Part #8-968974-1
AMP MCP Unsealed Connector Housings



TE Part #1803426-2
ANVIL, COMBINATION, NO JOG, END FEED



TE Part #2-1633129-2
ANVIL, COMBINATION .062



TE Part #2-1803224-4
CRIMPER,WIRE F



TE Part #2837157-1
OCEAN_2.0_Applicator-S-110F155O



TE Part #5-929008-2
MQS1MM BU-KONT 90GR



TE Part #7-568176-0
CRIMPER, WIRE (.050" 'F')



TE Part #CD41583001
55E0211-0.50-0(B01)

Documents

Product Drawings

MCP2.8 GEH ASSY 21P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-968975-2_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-968975-2_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-968975-2_F.3d_stp.zip

English

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Product Specifications

Application Specification

English