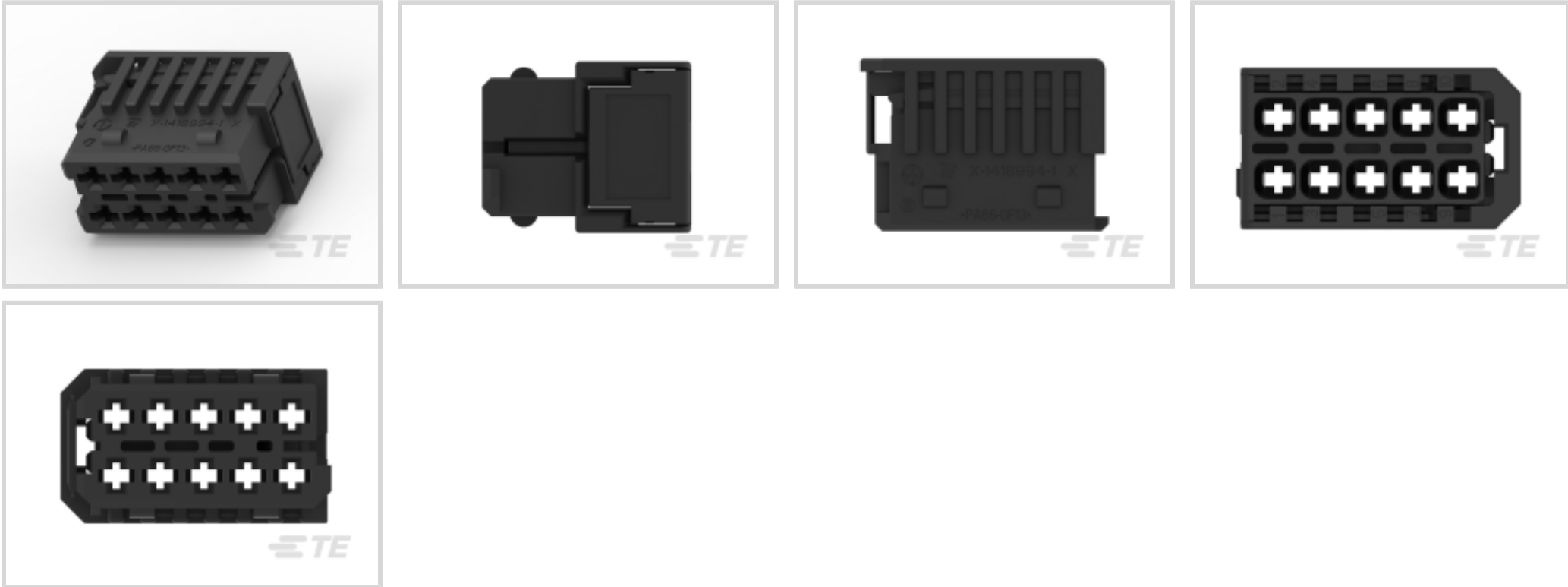




Connectors > Automotive Connectors > Automotive Housings > AMP MCP Unsealed Connector Housings



Connector System: Wire-to-Board, Wire-to-Device

Number of Positions: 10

Connector & Housing Type: Housing for Female Terminals

Centerline (Pitch): 5.5 mm [.217 in]

Sealable: No

[All AMP MCP Unsealed Connector Housings \(176\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

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

Body Features



Cable Exit Angle	180°
Primary Product Color	Black
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	PA GF
Centerline (Pitch)	5.5 mm[.217 in]

Dimensions

Connector Height	19.3 mm[.76 in]
Product Width	23.6 mm[.929 in]
Product Length	33.5 mm[1.319 in]
Row-to-Row Spacing	5.5 mm[.217 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
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Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	1500
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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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 828922-1
2,5MM CAVITY PLUG FOR 5,4MM DI



TE Part # 828905-1
SINGLE-WIRE-SEAL(5MM HOLE)



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



Also in the Series | AMP MCP 2.8

Automotive Connector Caps & Covers (1)	Automotive Connector Locks & Position Assurance(3)	Automotive Housings(155)	Automotive Terminals(6)
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(4)	Automotive Housings(291)	Automotive Terminals(110)
Connector Seals & Cavity Plugs(6)	Insertion & Extraction Tools(13)	Other Automotive Connector Accessories(2)	PCB Headers & Receptacles(28)

Customers Also Bought



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

TE Part # 1-962352-1
10P MESSERLEIS-GEH

TE Part # 7-968973-1
AMP MCP 2.8 HSG 15 POS. 2. LOCKING

TE Part # 927837-2
SPT REC 6.3 Contact SRC Sn

TE Part # 0021036033
RBK-ILS-125-NR3-0-25MM

TE Part # 6776556004
RPPM-NR510-X-50MM

TE Part # 150572-2
MINI FASTON 110 REC 20-16 AWG TPBR

TE Part # 965383-1
MQS SICHERGSCHIEBER 8POS

TE Part # 185026-1
JPT F REC 2.8 Contact SWS Sn

TE Part # 925014
2 P FF 110(2.8 MM) HOUSING RECEPTACLE

Documents

Product Drawings

AMP MCP 2.8 HSG.WITH SEC.10POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1418994-1_B_c-1418994-1-b.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1418994-1_B_c-1418994-1-b.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1418994-1_B_c-1418994-1-b.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