

5-968970-1 ✓ ACTIVE

AMP | AMP MCP Connector System, AMP MCP 2.8

TE Internal #: 5-968970-1

6 Position Housing, Housing for Female Terminals, Wire-to-Wire, 5 mm [.197 in] Centerline, Violet, Wire & Cable, Power, Hybrid

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings > AMP Unsealed Connector Housing



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

Number of Positions: **6**

Sealable: **No**

Operating Temperature Range: **-40 – 120 °C [ -40 – 248 °F ]**

Number of Rows: **2**

[All AMP Unsealed Connector Housing \(109\)](#)

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	6
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	Violet
Connector & Keying Code	D

### 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 GF
Centerline (Pitch)	5 mm[.197 in]

### Dimensions

Product Width	16 mm[.63 in]
Row-to-Row Spacing	5 mm[.197 in]
Product Length	16 mm[.63 in]
Connector Height	24 mm[.945 in]

### Usage Conditions

Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]
Operating Temperature (Max)	120 °C[248 °F]

### Operation/Application

Circuit Application	Power
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### Packaging Features

Packaging Method	Box
Packaging Quantity	2400

### Other

Serviceable	No
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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: JAN 2025 (247) 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



Also in the Series | [AMP MCP 2.8](#)



Automotive Connector Caps & Covers (26)



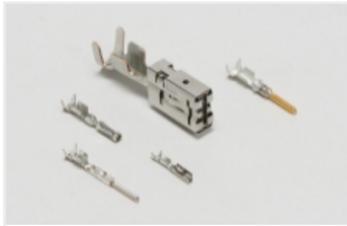
Automotive Housings(237)



Automotive Signal & Power Connector Housings(83)

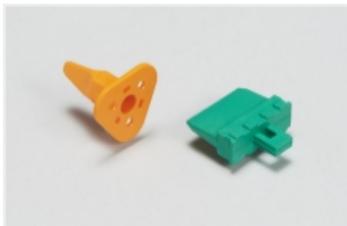


Automotive Signal & Power Headers(8)



Automotive Terminals(6)

### Also in the Series | AMP MCP Connector System



Automotive Connector Locks & Position Assurance(5)



Automotive Housings(237)



Automotive Seals & Cavity Plugs(6)

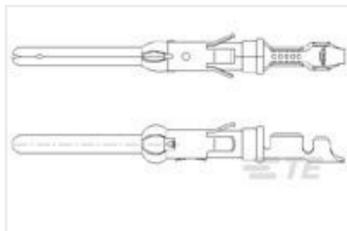


Automotive Signal & Power Connector Housings(83)

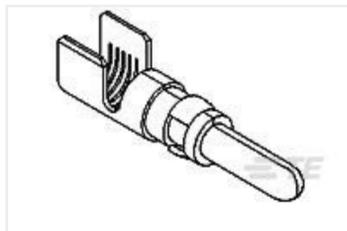
### Customers Also Bought



TE Part #TAD14741111-002  
M12D4-MS-MS-PVC TYPE B-1.0M



TE Part #1-163081-1  
.062 DIA PIN ASSY 3+



TE Part #213845-3  
POWERBAND CONT ASSY,SILVER PLT



TE Part #927829-1  
SPT REC 6.3 Contact SRC Sn



TE Part #CAT-T4827-CH8172  
Timer Connector Housing



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



## Documents

### Product Drawings

[AMP MCP 2.8 HSG 6POS 2.LOCKING](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-968970-1\\_F.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-968970-1\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-968970-1\\_F.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English