

1718149-1 ✓ ACTIVE

AMP | AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 1718149-1

Housing for Female Terminals, Wire-to-Device / Wire-to-Board, 16 Position, .197 in [5 mm] Centerline, Sealable, Black, Signal, Hybrid

[View on TE.com >](#)



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



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

Mating Tab Width: **2.8 mm [.11 in]**

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

Number of Positions: **16**

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

[All AMP MCP, SEALED CONNECTOR HOUSING \(158\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	16
Number of Rows	2

Electrical Characteristics

Operating Voltage	32 VDC
Nominal Voltage Architecture	12 V, 24 V

Body Features



Cable Exit Angle	Other
Body Material	PBT GF
Primary Product Color	Black
Connector Code	A-C

Contact Features

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

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	5 mm[.197 in]
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Dimensions

Product Width	34 mm[1.339 in]
Product Length	66.8 mm[2.63 in]
Product Height	33.5 mm[1.319 in]
Row-to-Row Spacing	2 mm, 3.5 mm[.079 in][.138 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

Degree of Protection	IP67, IP69K
UL Flammability Rating	UL 94HB



Packaging Features

Packaging Quantity	220
Packaging Method	Box & Carton

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	<p>Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.11% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.11% in Component Part) Decamethylcyclopentasiloxane (D5) (.11% in Component Part)</p> <p>Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
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 # 828905-1
SINGLE-WIRE-SEAL(5MM HOLE)




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




TE Part # 1718155-1
COVER FOR 16 POS SOCKET HSG


Also in the Series | AMP MCP 2.8




Automotive Connector Caps & Covers (1)



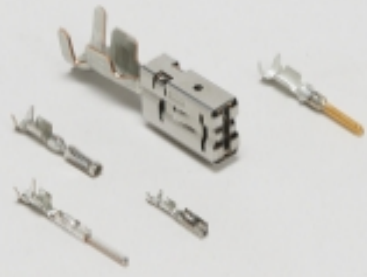
Automotive Connector Locks & Position Assurance(6)




Automotive Housings(179)



Automotive Seals & Cavity Plugs(1)



Automotive Terminals(6)



Insertion & Extraction Tools(6)




Module Components(1)




PCB Headers & Receptacles(1)


Also in the Series | AMP MCP Connector System




Automotive Connector Caps & Covers (24)



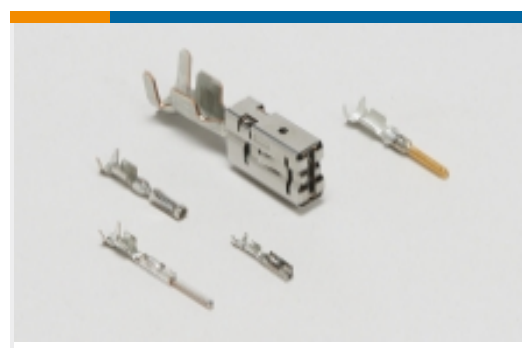
Automotive Connector Locks & Position Assurance(7)



Automotive Housings(352)



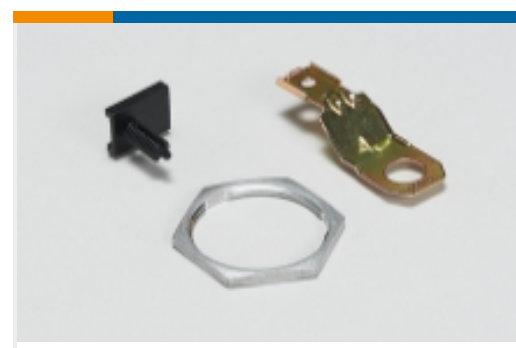
Automotive Seals & Cavity Plugs(6)



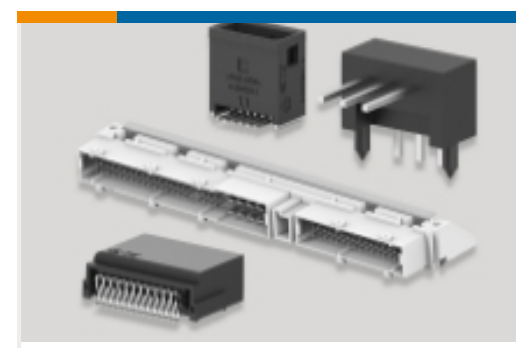
Automotive Terminals(125)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(29)

Documents

Product Drawings

[AMP MCP 2.8 SOCKET HSG 16 POS.ASSY](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1718149-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1718149-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1718149-1_A.3d_stp.zip](#)

English

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

Product Specifications

[INTERFACE FOR SEALED CONNECTORS WITH 8/10/16 x 2.8x0.8 TAB](#)

English

[Application Specification](#)

English

[Application Specification](#)

English