#### AMP MCP 2.8, AMP MCP Connector System

TE Internal #: 1-1355200-1

Housing for Female Terminals, Wire-to-Wire, 2 Position, .236 in [6 mm] Centerline, Sealable, Black, Wire & Cable, Power, Hybrid

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Connectors > Automotive Connectors > Automotive 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-Wire

Number of Positions: 2

Centerline (Pitch): 6 mm [.236 in]

All AMP MCP, SEALED CONNECTOR HOUSING (165)

### **Features**

#### **Product Type Features**

Froduct Type realures	
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	On the Terminal
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Number of Positions	2
Number of Rows	1
Electrical Characteristics	

25 V

Nominal Voltage Architecture



Contact Size Contact Type Receptacle Mating Tab Width 2.8 mm[.11 in] Contact Current Rating (Max) Mechanical Attachment  Terminal Position Assurance Yes Strain Relief Without Mating Alignment Type Keyed Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Housing Material Part Centerline (Pitch) Product Width 3.3 mm[1.292 in] Product Width 3.3 mm[1.299 in] Product Length  Usage Conditions  Operating Temperature (Max) Operating Temperature Range Operating Lemperature Range Operation/Application Circuit Application Industry Standards Degree of Protection IP67 UL P4H IB		
Contact Features  Contact Size 2.8mm Contact Type Receptacle Mating Tab Width 2.8 mm[.11 in] Contact Current Rating (Max) 35 A  Mechanical Attachment  Terminal Position Assurance Yes Strain Relief Without Mating Alignment Type Reyed Mating Alignment Type Reyed Mating Alignment Type Cable Mount (Free Hanging)  Housing Features  Housing Material PA GP Centerline (Pitch) 6 mm[.236 in]  Dimensions  Connector Height 22.7 mm[.894 in]  Product Width 33 mm[1.299 in]  Product Length 25 mm[.984 in]  Usage Conditions  Circuit Application Power  Circuit Application Power  Circuit Application Power  Industry Standards  Degree of Protection IP6/ Licuit Hammability Rating UI 94HB  Usage Generation IP6/  Circuit Application IP6/  Circuit Application IP6/  Licuit Hammability Rating UI 94HB  UI 94HB	Cable Exit Angle	180°
Contact Features  Contact Size 2.8mm  Contact Type Receptacle  Mating Tab Width 2.8 mm[.11 in]  Contact Current Rating (Max) 35 A  Mechanical Attachment  Terminal Position Assurance Yes Strain Relief Without  Mating Alignment Type Keyed  Mating Alignment Type Cable Mount (Free Hanging)  Housing Alignment  Connector Mounting Type Cable Mount (Free Hanging)  Housing Material PA GF  Centerline (Pitch) 6 mm[.236 in]  Dimensions  Connector Height 29.7 mm[.894 in]  Product Width 33 mm[1.299 in]  Product Length 25 mm[.984 in]  Usage Conditions  Ciperating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][167 °F][185 °F][194 °F][212 °F]  Operating Temperature Range -30 –100 °C -22 –212 °F]  Operation/Application  Circuit Application Power  Industry Standards  Degree of Protection IP67  UL Pammability Rating UL 94HB	Primary Product Color	Black
Contact Size Contact Type Receptacle Mating Tab Width 2.8 mm[.11 in] Contact Current Rating (Max) Mechanical Attachment  Terminal Position Assurance Yes Strain Relief Without Mating Alignment Type Keyed Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Housing Material Part Centerline (Pitch) Product Width 3.3 mm[1.292 in] Product Width 3.3 mm[1.299 in] Product Length  Usage Conditions  Operating Temperature (Max) Operating Temperature Range Operating Lemperature Range Operation/Application Circuit Application Industry Standards Degree of Protection IP67 UL P4H IB	Connector & Keying Code	A
Contact Type Mating Tab Width 2.8 mm[.11 in] Contact Current Rating (Max)  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) Product Width 33 mm[1.299 in] Product Width 33 mm[1.299 in] Product Length  Usage Conditions  Operating Temperature (Max) Operating Temperature Range Operation/Application Circuit Application  Power Industry Standards Degree of Protection IP67 UL Flammability Rating  Wess  Ves  Mating 1.1 in]  Wesp  Keyed Without With Cable Mount (Free Hanging)  Housing Features  Application  70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F]  Operation/Application  Circuit Application  Power Industry Standards  Degree of Protection UL Flammability Rating UL 94HB	Contact Features	
Mating Tab Width         2.8 mml,11 inj           Contact Current Rating (Max)         35 A           Mechanical Attachment         Yes           Strain Relief         Without           Mating Alignment Type         Keyed           Mating Alignment         With           Connector Mounting Type         Cable Mount (Free-Hanging)           Housing Features         Housing Material           Centerline (Pitch)         6 mml, 236 inj           Dimensions         22.7 mml, 894 inj           Connector Height         22.7 mml, 894 inj           Product Width         33 mml, 1, 299 inj           Product Length         25 mml, 984 inj           Usage Conditions         70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C           Operating Temperature (Max)         70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C           (156 °L) [11/6 °L] [11/6 °L] [11/8 °L] [1194 °L] [1194 °L] [212 °F]           Operating Temperature Range         30 - 100 °C [22 - 212 °F]           Operating Temperature Range         90 - 100 °C [22 - 212 °F]           Operating Temperature Range         1967           Operating Standards         UL 94 IB	Contact Size	2.8mm
Contact Current Rating (Max)  Mechanical Attachment  Terminal Position Assurance  Strain Relief  Without  Mating Alignment Type  Mating Alignment  Connector Mounting Type  Housing Features  Housing Material  Contectine (Pitch)  PA GF  Contectine (Pitch)  Dimensions  Connector Height  Product Vidth  33 mm[1.299 in]  Product Length  Usage Conditions  Operating Temperature (Max)  Operating Temperature Range  Operation/Application  Circuit Application  Industry Standards  Degree of Protection  II Flammability Rating  Vithout  Visth  Without  Without  Awithout  Without  Application  Yes  Assurance  Assurance  Yes  Assurance  Assurance  Yes  Assurance	Contact Type	Receptacle
Mechanical Attachment  Terminal Position Assurance 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) Omnesions  Connector Height Product Width 33 mm[1.299 in] Product Length  Usage Conditions  Operating Temperature (Max) To "C, 75 "C, 80 "C, 85 "C, 90 "C, 100 "C [158 "H][165 "H][194 "H][212 "F] Operation/Application  Circuit Application  Power  Industry Standards Degree of Protection IP67 UL Flammability Rating  Vithout Without Without Without Cable Mount (Free-Hanging) Amount	Mating Tab Width	2.8 mm[.11 in]
Terminal Position Assurance  Strain Relief  Without  Mating Alignment Type  Mating Alignment  With  Connector Mounting Type  Cable Mount (Free-Hanging)  Housing Features  Housing Material  PA GF  Centerline (Pitch)  Pa GF  Connector Height  22.7 mm[.894 in]  Product Width  33 mm[1.299 in]  Product Length  Usage Conditions  Operating Temperature (Max)  Operating Temperature Range  Operation/Application  Circuit Application  Power  Industry Standards  Degree of Protection  UL 94HB  Without  Without  Without  Without  Cable Mount (Free-Hanging)  PA GF  6 mom[.236 in]  PA GF  6 mm[.236 in]  PO Generation (P84 in)  Power  Industry Standards  UL 94HB	Contact Current Rating (Max)	35 A
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) 6 mm[.236 in]  Dimensions  Connector Height 22.7 mm[.894 in]  Product Width 33 mm[1.299 in]  Product Length 25 mm[.984 in]  Usage Conditions  Operating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F]  Operation/Application  Circuit Application Power  Industry Standards  Degree of Protection IP67  UL Flammability Rating UL 91HB	Mechanical Attachment	
Mating Alignment Type Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Housing Material PA GF Centerline (Pitch) 6 mml_236 in]  Dimensions  Connector Height 22.7 mml_894 in] Product Width 33 mm[1.299 in] Product Length 25 mml_984 in]  Usage Conditions  Operating Temperature (Max) Operating Temperature Range -30 – 100 °C[.22 – 212 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Degree of Protection  IP67 UL Flammability Rating  With With With With Cable Mount (Free-Hanging) PA GF 6 mml_236 in] PO Genetic Height 22.7 mml_894 in] Product Length 23.7 mml_894 in] Product Length 24.7 mml_894 in] Product Length 25.7 mml_894 in] Product Length 26.7 mml_894 in] Product Length 27.7 mml_894 in] Product Length 28.7 mml_894 in] Product Length 29.7 mml_894 in] Product Length 29.	Terminal Position Assurance	Yes
Mating Alignment Connector Mounting Type Cable Mount (Free Hanging)  Housing Features  Housing Material PA GF Centerline (Pitch) Pomensions  Connector Height 22.7 mml,894 in  Product Width 33 mm[1.299 in] Product Length 25 mml,984 in]  Usage Conditions  Operating Temperature (Max) Operating Temperature Range	Strain Relief	Without
Connector Mounting Type  Cable Mount (Free-Hanging)  Housing Features  Housing Material PA GF  Centerline (Pitch) 6 mm[.236 in]  Dimensions  Connector Height 22.7 mm[.894 in]  Product Width 33 mm[1.299 in]  Product Length 25 mm[.984 in]  Usage Conditions  Operating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][176 °F][176 °F][176 °F][178 °F][194 °F][212 °F]  Operation/Application  Circuit Application Power  Industry Standards  Degree of Protection IP67  UL Flammability Rating Union of the product of the	Mating Alignment Type	Keyed
Housing Features  Housing Material PA GF  Centerline (Pitch) 6 mm[.236 in]  Dimensions  Connector Height 22.7 mm[.894 in]  Product Width 33 mm[1.299 in]  Product Length 25 mm[.984 in]  Usage Conditions  Operating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F]  Operating Temperature Range -30 – 100 °C[.22 – 212 °F]  Operation/Application  Circuit Application Power  Industry Standards  Degree of Protection IP67  UL Flammability Rating UL 94HB	Mating Alignment	With
Housing Material  Centerline (Pitch)  6 mm[.236 in]  Dimensions  Connector Height  22.7 mm[.894 in]  Product Width  33 mm[1.299 in]  Product Length  25 mm[.984 in]  Usage Conditions  Operating Temperature (Max)  Operating Temperature Range  -30 – 100 °C[-22 – 212 °F]  Operatind Application  Circuit Application  Power  Industry Standards  Degree of Protection  IP67  UL Flammability Rating	Connector Mounting Type	Cable Mount (Free-Hanging)
Centerline (Pitch)  Dimensions  Connector Height 22.7 mm[.894 in]  Product Width 33 mm[1.299 in]  Product Length 25 mm[.984 in]  Usage Conditions  Operating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][176 °F][176 °F][176 °F][194 °F][212 °F]  Operating Temperature Range -30 – 100 °C[-22 – 212 °F]  Operation/Application  Circuit Application Power  Industry Standards  Degree of Protection IP67  UL Flammability Rating UL 94HB	Housing Features	
Connector Height  Connector Height  22.7 mm[.894 in]  Product Width  33 mm[1.299 in]  Product Length  25 mm[.984 in]  Usage Conditions  Operating Temperature (Max)  Operating Temperature Range  70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F]  Operating Temperature Range  -30 – 100 °C[-22 – 212 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Degree of Protection  IP67  UL Flammability Rating  UL 94HB	Housing Material	PA GF
Connector Height 22.7 mm[.894 in]  Product Width 33 mm[1.299 in]  Product Length 25 mm[.984 in]  Usage Conditions  Operating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F]  Operating Temperature Range -30 – 100 °C[-22 – 212 °F]  Operation/Application  Circuit Application Power  Industry Standards  Degree of Protection IP67  UL Flammability Rating UL 94HB	Centerline (Pitch)	6 mm[.236 in]
Product Width 33 mm[1.299 in]  Product Length 25 mm[.984 in]  Usage Conditions  Operating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][176 °F][176 °F][194 °F][212 °F]  Operating Temperature Range -30 – 100 °C[-22 – 212 °F]  Operation/Application  Circuit Application Power  Industry Standards  Degree of Protection IP67  UL Flammability Rating UL 94HB	Dimensions	
Product Length 25 mm[.984 in]  Usage Conditions  Operating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F]  Operating Temperature Range -30 – 100 °C[-22 – 212 °F]  Operation/Application  Circuit Application Power  Industry Standards  Degree of Protection IP67  UL Flammability Rating UL 94HB	Connector Height	22.7 mm[.894 in]
Usage Conditions  Operating Temperature (Max)  70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F]  Operating Temperature Range  -30 – 100 °C[-22 – 212 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Degree of Protection  IP67  UL Flammability Rating  UL 94HB	Product Width	33 mm[1.299 in]
Operating Temperature (Max)  70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C [158 °F][176 °F][185 °F][194 °F][212 °F]  Operating Temperature Range  -30 – 100 °C[-22 – 212 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Degree of Protection  IP67  UL Flammability Rating  UL 94HB	Product Length	25 mm[.984 in]
[158 °F][167 °F][185 °F][194 °F][212 °F]  Operating Temperature Range  -30 – 100 °C[-22 – 212 °F]  Operation/Application  Circuit Application  Power  Industry Standards  Degree of Protection  IP67  UL Flammability Rating  UL 94HB	Usage Conditions	
Operation/Application Circuit Application Power Industry Standards Degree of Protection UL Flammability Rating UL 94HB	Operating Temperature (Max)	[158 °F][167 °F][176 °F][185 °F][194 °F][212 °
Circuit Application Power  Industry Standards  Degree of Protection IP67  UL Flammability Rating UL 94HB	Operating Temperature Range	-30 - 100 °C[-22 - 212 °F]
Industry Standards  Degree of Protection IP67  UL Flammability Rating UL 94HB	Operation/Application	
Degree of Protection IP67  UL Flammability Rating UL 94HB	Circuit Application	Power
UL Flammability Rating  UL 94HB	Industry Standards	
	Degree of Protection	IP67
Packaging Features	UL Flammability Rating	UL 94HB
	Packaging Features	



Packaging Quantity	1000
Packaging Method	Container
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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 1-1703543-0 2POS,TAB 2.8X0.8,TAB HSG,ASSY

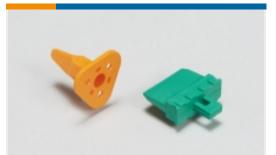




### Also in the Series | AMP MCP 2.8



Automotive Connector Caps & Covers
(1)



Automotive Connector Locks & Position Assurance(6)



Automotive Housings(183)



Automotive Terminals(10)



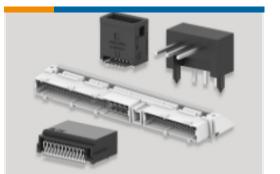
Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(6)



Module Components(1)



PCB Headers & Receptacles(1)

# Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers



Automotive Connector Locks & Position Assurance(7)



Automotive Housings(360)



Automotive Terminals(135)





Connector Seals & Cavity Plugs(6)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)

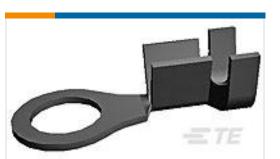


PCB Headers & Receptacles(30)

### Customers Also Bought



TE Part #2297813-2 BASE ASSY, 38 POSN ISO FUSE AND RELAY



TE Part #61867-2 RING CRIMP 18-14 AWG TPBR



TE Part #1-1703543-0 2POS,TAB 2.8X0.8,TAB HSG,ASSY



TE Part #1-968855-1
AMP MCP, RECEPTACLE AND TAB



TE Part #1326031-5 2.8MM BLD,SEAL,14AWG



TE Part #2098164-4 Cover, 60 Pos, No Fuse Graphic or Holder



TE Part #3-2112780-1 18POS, MIXED,REC HSG,ASSY, SEALED

TE Part #1-1394425-1 MCP2,8 BU-GEH 4P,SW

TE Part #2341174-1
AMP MCP 2.8,TERMINAL,SWS,
LANCELESS

### **Documents**

Product Drawings
MCP2,8BU-GEH ASSY2P

English

**CAD Files** 

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1355200-1\_D.2d\_dxf.zip

Housing for Female Terminals, Wire-to-Wire, 2 Position, .236 in [6 mm] Centerline, Sealable, Black, Wire & Cable, Power, Hybrid



English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1355200-1\_D.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1355200-1\_D.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