

1-2141847-2 ✓ ACTIVE

AMP | AMP MCP Connector System, AMP MCP 1.5K

TE Internal #: 1-2141847-2

36 Position Housing, Receptacle, Wire-to-Wire, 4 mm [.157 in]
Centerline, Orange, Wire & Cable, Power, Cable Mount (Free-
Hanging), Hybrid

[View on TE.com >](#)



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



Connector & Housing Type: **Receptacle**

Number of Positions: **36**

Sealable: **No**

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

Number of Rows: **4**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	36
Number of Rows	4

Electrical Characteristics

Operating Voltage	36 VDC
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Nominal Voltage Architecture	12 V, 24 V
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Body Features

Cable Exit Angle	180°
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Primary Product Color	Orange
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Connector & Keying Code	B
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Contact Features

Contact Size	1.5K
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Contact Type	Receptacle
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Mating Tab Width	1.6 mm[.062 in]
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Mechanical Attachment

Strain Relief	Without
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Terminal Position Assurance	No
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Material	PBT GF30
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Centerline (Pitch)	4 mm[.157 in]
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Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
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Product Width	27 mm[1.06 in]
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Product Length	45.2 mm[1.77 in]
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Connector Height	27.5 mm[1.08 in]
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Usage Conditions

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

Circuit Application	Power
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Industry Standards

IP Rating	IP2B
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UL Flammability Rating	UL 94HB
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Packaging Features



Packaging Quantity	900
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Packaging Method	Box
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Other

Serviceable	Yes
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Connector Position Assurance Capable	No
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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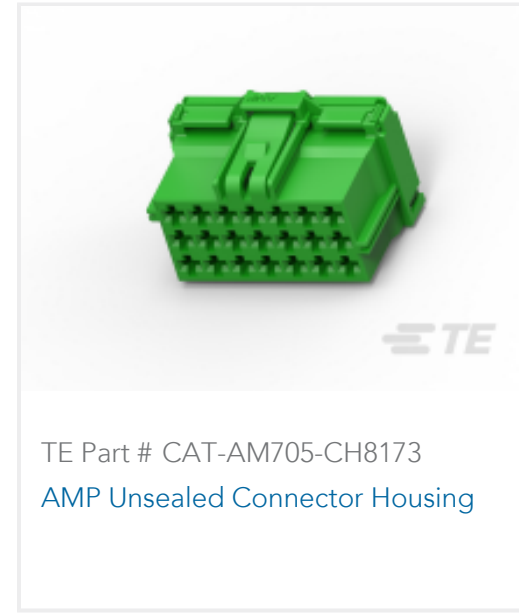
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not reviewed for solder process capability
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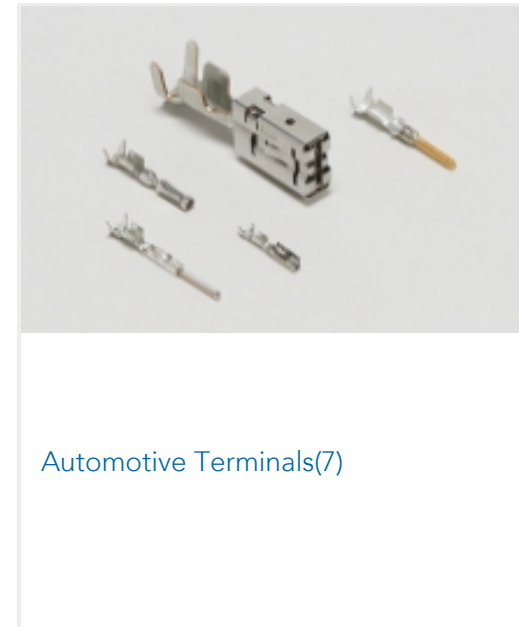
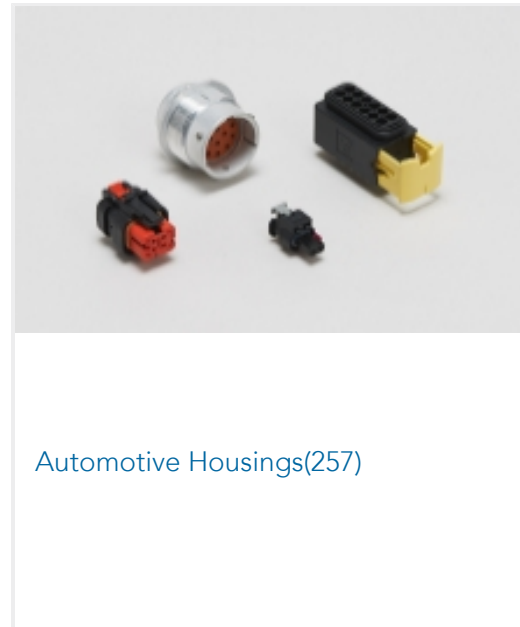
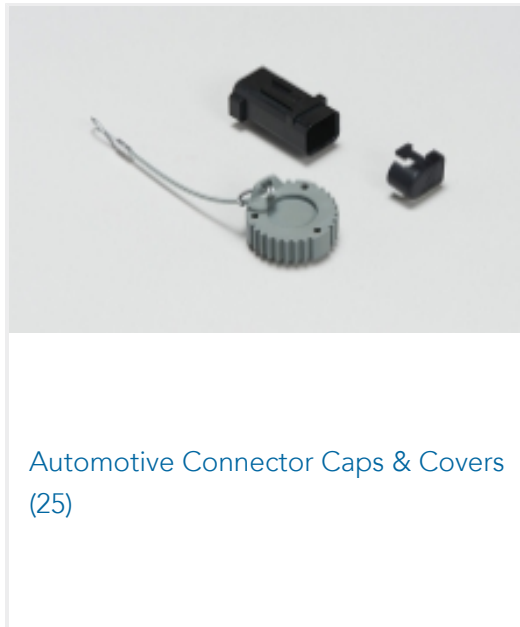
Product Compliance Disclaimer

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>

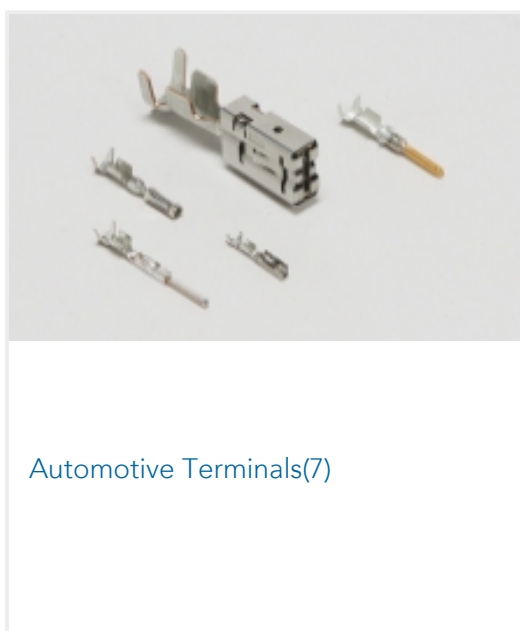
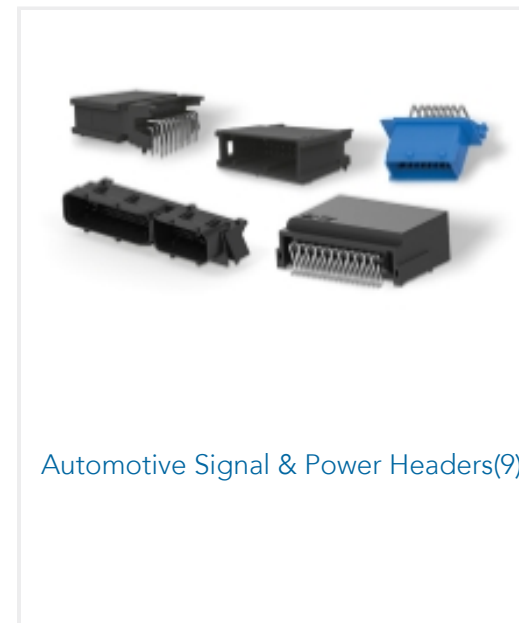
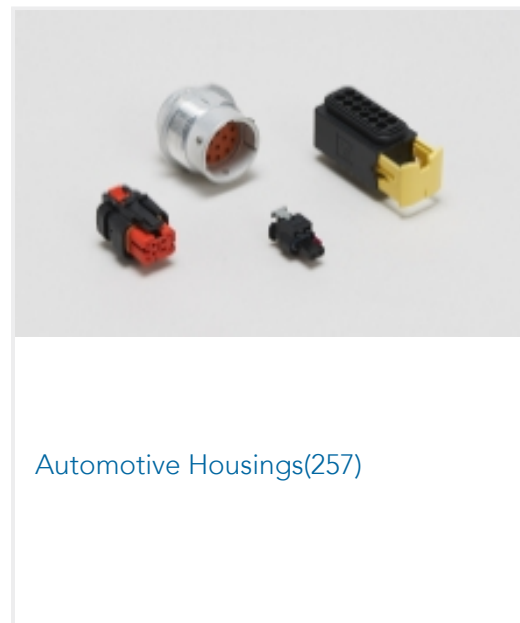
Compatible Parts



Also in the Series | AMP MCP 1.5K



Also in the Series | AMP MCP Connector System



Customers Also Bought



Documents

Product Drawings

[CARRIER,RECEPTACLE HSG, 36POS,ASSY](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-2141847-2_A_c-1-2141847-2-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2141847-2_A_c-1-2141847-2-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2141847-2_A_c-1-2141847-2-a.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

German