

284858-1 ✓ ACTIVE

[AMP](#) | [AMP MCP 1.5K](#), [AMP MCP 2.8](#), [AMP MCP Connector System](#)

TE Internal #: 284858-1

Housing for Male Terminals, Wire-to-Wire, 12 Position, .165 in / .183 in [4.2 mm / 4.65 mm] Centerline, Sealable, Black, Wire & Cable, Hybrid

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[Connectors](#) > [Automotive Connectors](#) > [Automotive Housings](#) > [AMP MCP, SEALED CONNECTOR HOUSING](#)



Connector System: **Wire-to-Wire**

Number of Positions: **12**

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

Centerline (Pitch): **4.2 mm, 4.65 mm [.165 in, .183 in]**

Sealable: **Yes**

[All AMP MCP, SEALED CONNECTOR HOUSING \(130\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	24 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	1.6mm, 2.8mm
Contact Type	Tab
Contact Current Rating (Max)	14 A, 20 A

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Polarizing Rib
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	4.2 mm, 4.65 mm [.165 in][.183 in]

Dimensions

Connector Height	38.7 mm [1.524 in]
Product Width	20.8 mm [.819 in]
Product Length	34.3 mm [1.35 in]
Row-to-Row Spacing	3.4 mm [.134 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F]
Operating Temperature Range	-25 – 105 °C [-13 – 221 °F]

Operation/Application

Circuit Application	Power & Signal
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Packaging Features

Packaging Quantity	900
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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

 <p>TE Part # CAT-T4827-T273 TIMER, RECEPTACLE AND TAB</p>	 <p>TE Part # CAT-AM705-CH8173 AMP Unsealed Connector Housing</p>	<p>TE Part # 284859-1 12 POS MALE HOUSING</p>
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Also in the Series | [AMP MCP 1.5K](#)



Automotive Connector Caps & Covers (3)



Automotive Housings(80)



Automotive Terminals(22)

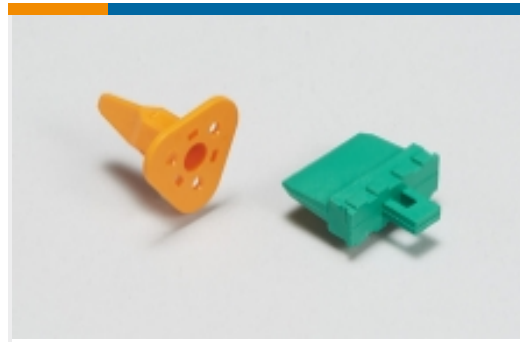


Insertion & Extraction Tools(1)

Also in the Series | AMP MCP 2.8



Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(5)



Automotive Housings(162)



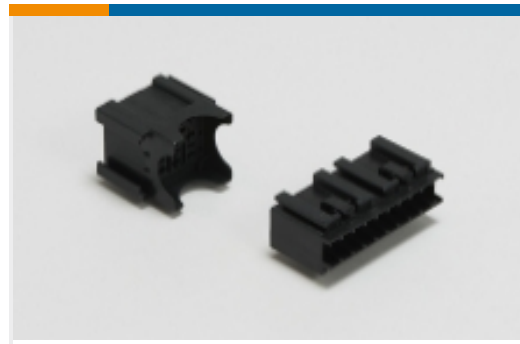
Automotive Terminals(54)



Connector Seals & Cavity Plugs(4)



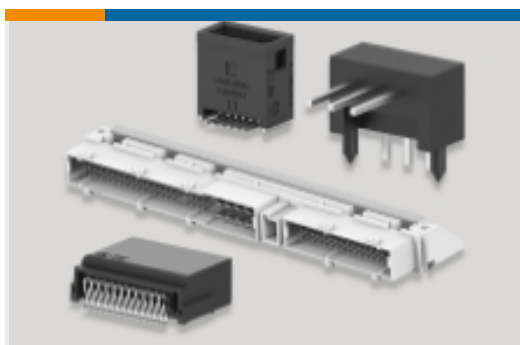
Insertion & Extraction Tools(6)



Module Components(1)



Other Automotive Connector Accessories(1)

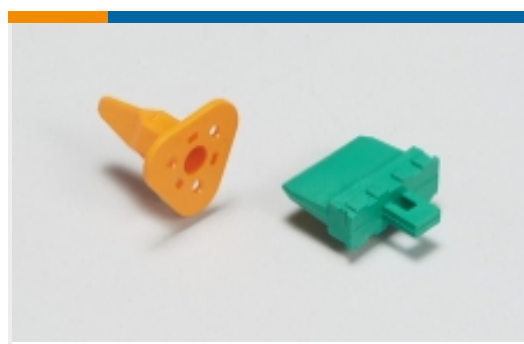


PCB Headers & Receptacles(1)

Also in the Series | AMP MCP Connector System



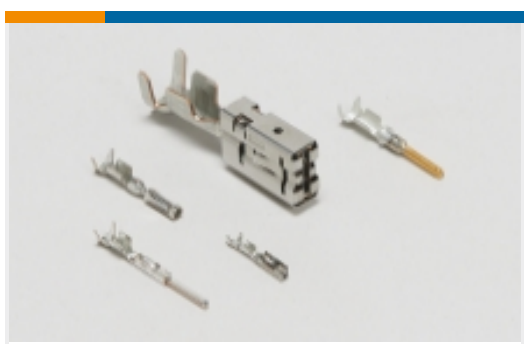
Automotive Connector Caps & Covers (24)



Automotive Connector Locks & Position Assurance(4)



Automotive Housings(260)



Automotive Terminals(10)



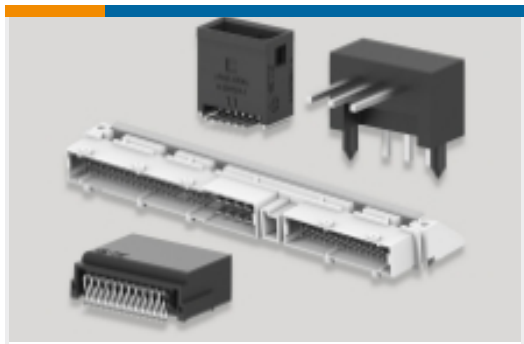
Connector Seals & Cavity Plugs(5)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(28)

Customers Also Bought



TE Part #1-1718624-2
2 POS HSG AMP MCP 2.8 ASSY



TE Part #964286-1
TIMER, RECEPTACLE AND TAB



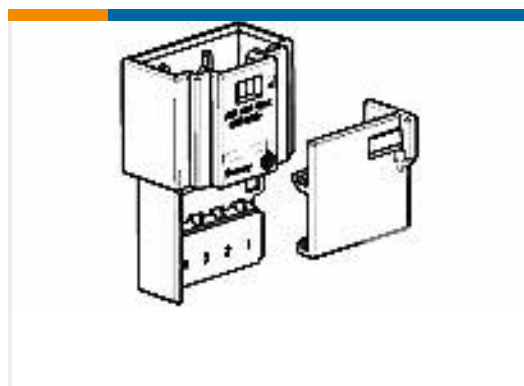
TE Part #8-963964-4
ACTION PIN FOR 1 mm HOLE



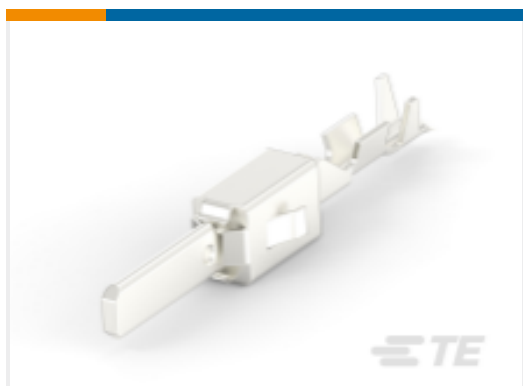
TE Part #1703826-1
2POS,TAB 4.8X0.8,TAB HSG,ASYM, ASSY



TE Part #0838016010
RBK-VWS Heat Shrink Tubing



TE Part #1-1241137-1
TAB HOUSING ASSY 4P



TE Part #5-963860-2
TAB 2.8x0.8 CONTACT CS SRC Ag



TE Part #881205-9
HSG STD TIMER 2P

Documents

Product Drawings

12 POS MALE HOUSING ASS'Y

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_284858-1_D.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_284858-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_284858-1_D.3d_stp.zip](#)

English

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Product Specifications

12 POS. HYBRID CONNECTOR UNSEALED FOR AMPMCP 1.5 AND 2.8 CONTACTS

English

12 POS. HYBRID CONNECTOR UNSEALED FOR AMPMCP 1.5 AND 2.8 CONTACTS

English

Instruction Sheets

12POS. AMPMCP1.5AND 2.8 MALE AND FEMALE HYBRID UNSEALED CONNECTOR

English

Instruction Sheet (non U.S.)

English