

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 [4.65 mm / 4.2 mm] Centerline, Sealable, Black, Wire & Cable, Hybrid

[View on TE.com >](#)



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



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

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

Number of Positions: **12**

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

Sealable: **Yes**

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

## Features

### Product Type Features

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

### 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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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



Also in the Series | **AMP MCP 1.5K**



Automotive Connector Caps & Covers (1)



Automotive Housings(103)



Insertion & Extraction Tools(1)

### Also in the Series | AMP MCP 2.8



Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(6)



Automotive Housings(180)



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)



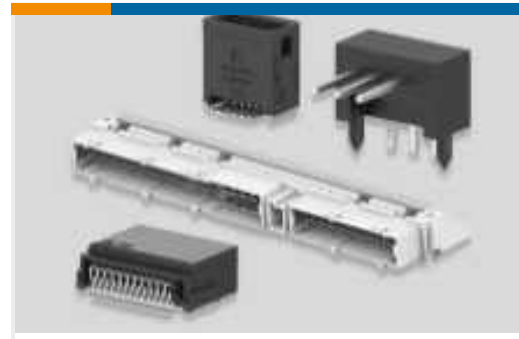
Automotive Terminals(125)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(2)



PCB Headers & Receptacles(29)

## Customers Also Bought



TE Part #1-929170-4  
MQS, CONNECTOR HOUSING



TE Part #175193-1  
187 PL EX FLAG REC. 22-16AWG PTBR



TE Part #1241846-2  
TAB A 1.6x0.6 CONTACT CF SRC Sn



TE Part #1241404-3  
AMP MCP 6.3/4.8K, CONTACT



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



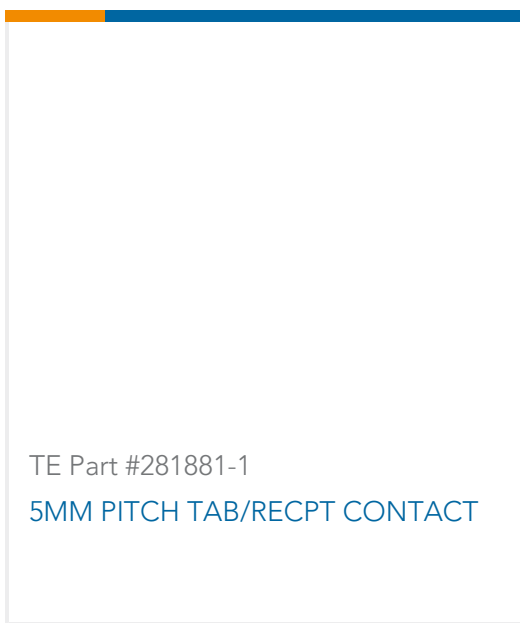
TE Part #1-1924067-5  
2POS, MCON 1.2 CB REC 2p TL SEALED



TE Part #102308-000  
2020D0309-0



TE Part #6-1355688-7  
MT3-REC. HOUSING, 6 POS.



TE Part #281881-1  
5MM PITCH TAB/RECPT CONTACT

## 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

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

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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

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### Instruction Sheets

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

English

**Instruction Sheet (non U.S.)**

English