284848-1 ✔ ACTIVE

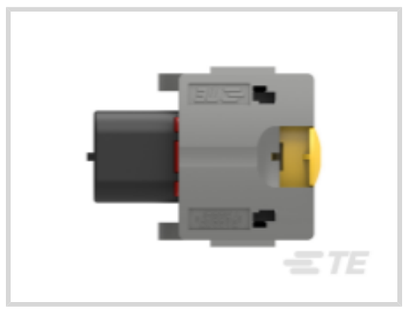
AMP MCP | 1.5/2.8 Connector System, AMP MCP 2.8

TE Internal #: 284848-1

12 V, 12 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 5 mm [.19 in] Centerline, Sealable, Black, Wire & Cable, Power, Hybrid

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings > 48V Ready Mixed (Signal and Power) Connectors




Nominal Voltage Architecture: **12 V**

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

Number of Positions: **12**

Sealable: **Yes**

Operating Temperature Range: **-25 – 125 °C [-13 – 257 °F]**

All 48V Ready Mixed (Signal and Power) Connectors (10)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing, Locking Lance
Connector System	Wire-to-Wire
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

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	1.5mm, 2.8mm
Contact Type	Receptacle
Mating Tab Width	1.5 mm, 2.8 mm[.06 in][.11 in]
Contact Current Rating (Max)	20 A, 30 A

Mechanical Attachment

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

Housing Features

Housing Material	PA 66 GF20
Centerline (Pitch)	5 mm[.19 in]

Dimensions

Row-to-Row Spacing	6 mm[.23 in]
Product Width	32.6 mm[1.28 in]
Product Length	45.8 mm[1.8 in]
Connector Height	26.6 mm[1.04 in]

Usage Conditions

Operating Temperature Range	-25 – 125 °C[-13 – 257 °F]
Operating Temperature (Max)	125 °C[257 °F]

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IPX9K

Packaging Features

Packaging Quantity	500
Packaging Method	Box

Other

Serviceable	No
Connector Position Assurance Capable	Yes

Product Compliance

For compliance documentation, visit the product page on TE.com>

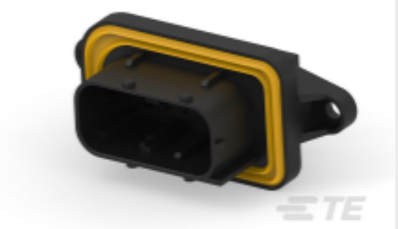
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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

TE Part # 284852-1
PERIPHERAL SEAL FOR 12 POS MCP



TE Part # 1745045-1
12 POS 1.6 AND 2.8 TAB CONNECTOR



TE Part # 963294-1
SINGLE WIRE SEAL INSULATION DI



TE Part # CAT-AM705-CH8172
AMP MCP, SEALED CONNECTOR HOUSING



TE Part # 1-284844-0
12 POS MCP HYBRID MALE CONNECTOR



TE Part # 828906-2
BLINDSTOPFEN 1,5SYS

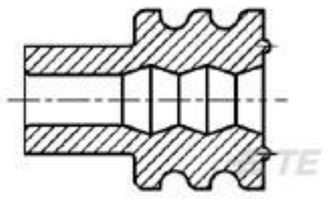
TE Part # 284850-1
SLIDE FOR 12 POS FEMALE HOUSIN



TE Part # 284844-1
12 POS MCP HYBRID MALE CONN AS



TE Part # 828922-1
2,5MM CAVITY PLUG FOR 5,4MM DI



TE Part # 963292-1
WIRE SEALING 2,2



TE Part # 963293-1
SEALING F JPT+2,8

TE Part # 284851-1
SECONDARY LOCK FOR 12 POS FEMA



TE Part # 284857-1
CONNECTOR POSITION ASSURANCE

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



TE Part # 828906-1
CAVITY PLUG (5MM HOLE)



TE Part # 284863-1
SINGLE WIRE SEAL F.EXT.INS.DIA

Also in the Series | 1.5/2.8 Connector System



Automotive Headers(2)

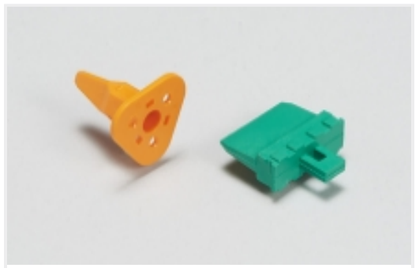


Automotive Housings(193)



Automotive Signal & Power Connector Housings(111)

Also in the Series | AMP MCP 2.8



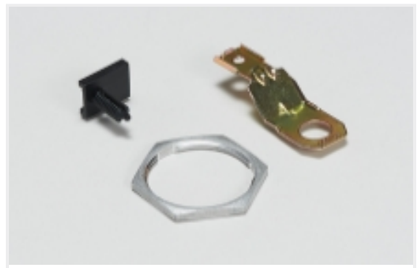
Automotive Connector Locks & Position Assurance(5)



Automotive Housings(193)

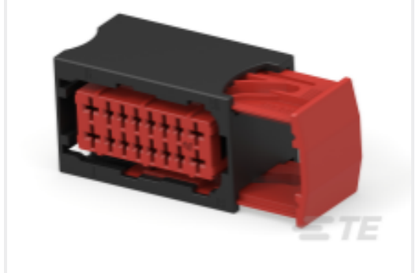


Automotive Seals & Cavity Plugs(2)



Other Automotive Connector Accessories(1)

Customers Also Bought



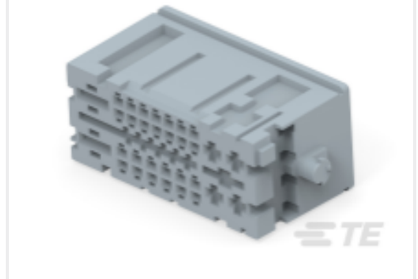
TE Part #185760-1
16W HYBRID RCPT HSG BLACK



TE Part #CAT-M8793-CH8172
MQS, CONNECTOR HOUSING



TE Part #1745032-1
2 POS. MCP2.8 CONNECTOR FOR IGNITION KEY



TE Part #2236047-2
32POS,MIXED,RECEPTACLE CONNECTOR,COD B



TE Part #2327104-4
CVTY PLUG,AMP 0.64,CVTY DIA,0.78, BLK

TE Part #2434761-1
AMP MCP 2.8K,TERMINAL,SWS

TE Part #2434836-1
AMP MCP 1.5K,TERMINAL,SWS

TE Part #2-2435153-1
TAB2.8X0.8,TERMINAL,CF SWS SN

TE Part #7-2435189-3
MCON 1.2,TERMINAL,LL REC SWS AG

Documents

Product Drawings

12 POS MCP HYBRID FEMALE CONN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_284848-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_284848-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_284848-1_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

English