284844-3 ✔ ACTIVE

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

TE Internal #: 284844-3

12 V / 24 V / 48 V, 12 Position, Automotive Housing for Male Terminals, Wire-to-Wire, 5 mm [.197 in] Centerline, Black, Wire & Cable, Power, Hybrid

View on TE.com >

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







Nominal Voltage Architecture: **12 V, 24 V, 48 V**

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

Number of Positions: **12**

Sealable: **No**

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

All AMP MCP, SEALED CONNECTOR HOUSING (96)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Male Terminals
Sealable	No
Primary Locking Feature	On the Terminal
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, 24 V, 48 V

Body Features

Cable Exit Angle	180 °
Primary Product Color	Black

Contact Features

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

Mechanical Attachment

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

Housing Features

Housing Material	PA GF
Centerline (Pitch)	5 mm[.197 in]

Dimensions

Row-to-Row Spacing	6 mm[.236 in]
Product Width	49.4 mm[1.944 in]
Product Length	41.4 mm[1.629 in]
Connector Height	21.5 mm[.846 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	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	有害物质含量符合标准要求 No Restricted Substance(s) 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 # CAT-T4827-T273
TIMER, RECEPTACLE AND TAB



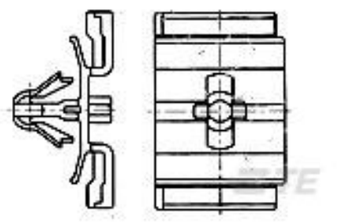
TE Part # 284848-1
12 POS MCP HYBRID FEMALE CONN



TE Part # 1745011-1
PANEL HOOK



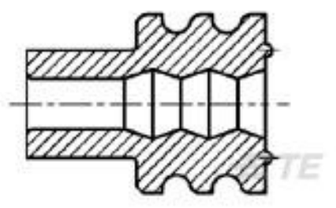
TE Part # 828922-1
2,5MM CAVITY PLUG FOR 5,4MM DI



TE Part # 282322-1
HOOK FOR SEALED SEC.CONN.



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



TE Part # 963292-1
WIRE SEALING 2,2

TE Part # 284847-1
SECONDARY LOCK FOR 12 POS MALE



TE Part # 828906-2
BLINDSTOPFEN 1,5SYS



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

TE Part # 284846-1
RETAINER FOR 12 POS MALE HOUSING



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



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



TE Part # 963294-1
SINGLE WIRE SEAL INSULATION DI

Also in the Series | AMP MCP 2.8



Automotive Connector Caps & Covers (3)



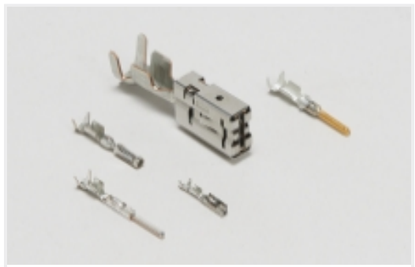
Automotive Housings(103)



Automotive Seals & Cavity Plugs(2)



Automotive Signal & Power Headers(1)



Automotive Terminals(46)

Also in the Series | 1.5/2.8 Connector System



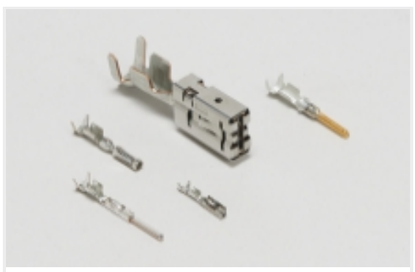
Automotive Connector Caps & Covers (3)



Automotive Housings(103)

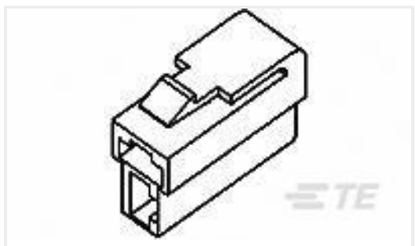


Automotive Signal & Power Headers(1)



Automotive Terminals(46)

Customers Also Bought



TE Part #172130-2
FF 250 REC HSG 2P NYLON BLCAK



TE Part #CAT-NB3-MRC48
48V Ready Mixed (Signal and Power) Connectors



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



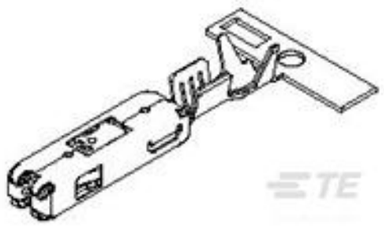
TE Part #2-964302-1
TAB A 2.8x0.8 CONTACT CF SWS Sn



TE Part #1379659-5
8W PLUG HOUSING ASSY NATU



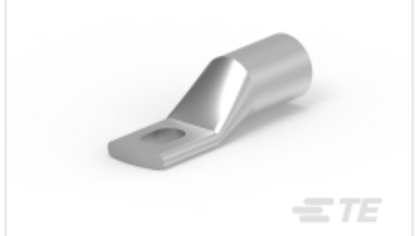
TE Part #1394871-1
MQS DICHTSTOPFEN



TE Part #1670326-1
1.5MM SFC,CONTACT



TE Part #1838275-1
M12 Fld Ser CONN. Male Pin Sldr



TE Part #1670815-1
RING TONGUE, IPT 70 - 120MM?

Documents

Product Drawings

12 POS MCP HYBRID MALE CONN AS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_284844-3_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_284844-3_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_284844-3_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

Instruction Sheets

Instruction Sheet (non U.S.)

English