



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



Number of Positions: 12

Connector & Housing Type: Housing for Female Terminals

Mating Tab Width: 1.5 mm, 2.8 mm [.06 in, .11 in]

Connector System: Wire-to-Wire

Centerline (Pitch): 5 mm [.19 in]

[All Mixed \(Signal and Power\) 48V Ready Connectors \(10\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	24 VDC
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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]

Mechanical Attachment

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

Housing Features

Housing Material	PA GF
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	24.6 mm[.96 in]

Usage Conditions

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

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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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

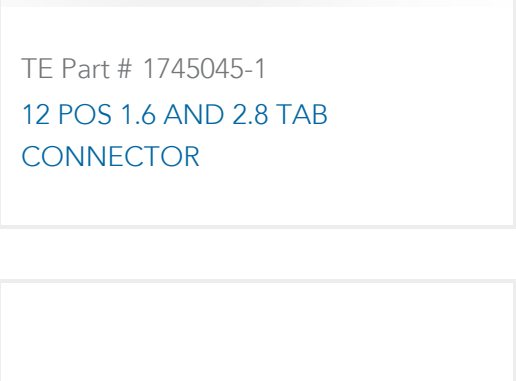
Product Compliance Disclaimer

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



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



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



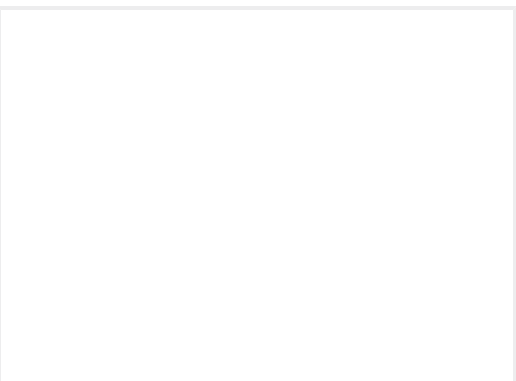
TE Part # 963294-1
SINGLE WIRE SEAL INSULATION DI



TE Part # 284857-1
CONNECTOR POSITION ASSURANCE



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



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



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



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



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

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

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

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

TE Part # 963292-1
WIRE SEALING 2,2

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

Also in the Series | AMP MCP 2.8

Automotive Connector Caps & Covers
(25)

Automotive Connector Locks & Position Assurance(4)

Automotive Housings(257)

Automotive Terminals(7)

Module Components(1)

Other Automotive Connector Accessories(3)

PCB Headers & Receptacles(31)

Rectangular Power Connectors(15)

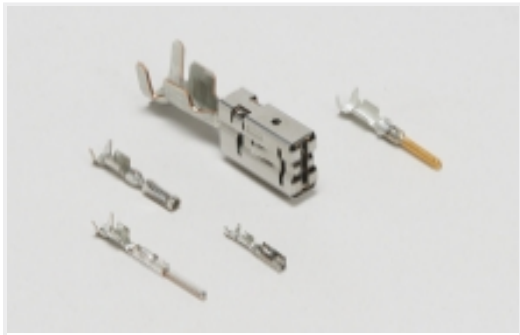
Also in the Series | AMP MCP 1.5K



Automotive Connector Caps & Covers
(25)



Automotive Housings(257)



Automotive Terminals(7)

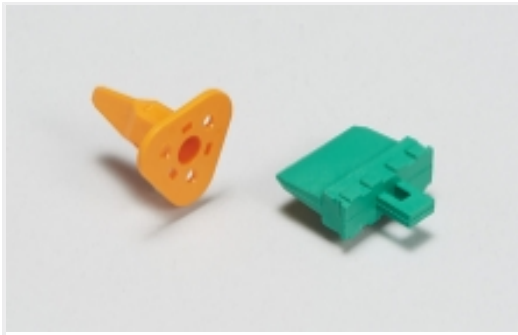


Insertion & Extraction Tools(13)

Also in the Series | AMP MCP Connector System



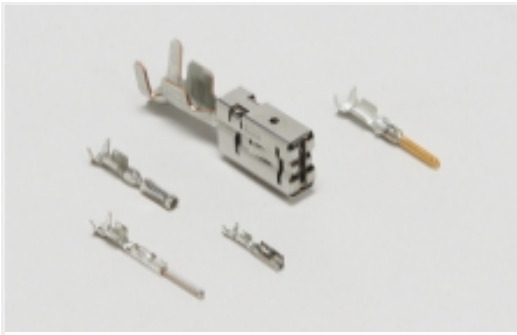
Automotive Connector Caps & Covers
(25)



Automotive Connector Locks &
Position Assurance(4)



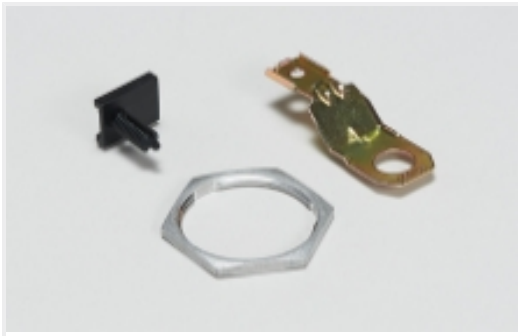
Automotive Housings(257)



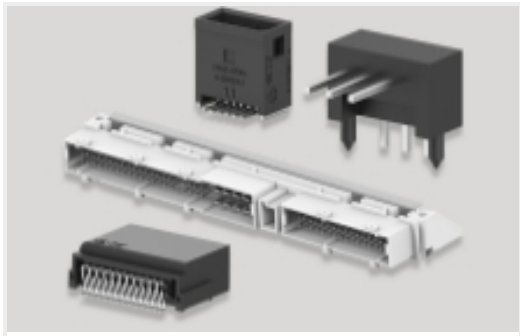
Automotive Terminals(7)



Connector Seals & Cavity Plugs(5)



Other Automotive Connector
Accessories(3)



PCB Headers & Receptacles(31)



Rectangular Power Connectors(15)

Customers Also Bought



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



TE Part #2307072-1
24POS,MCON 1.2,REC HSG ASSY,SLD,
COD 1



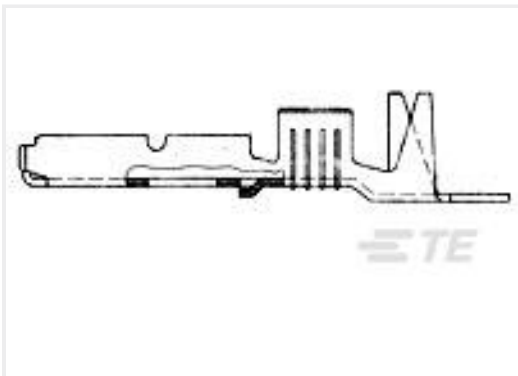
TE Part #284863-1
SINGLE WIRE SEAL F.EXT.INS.DIA



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



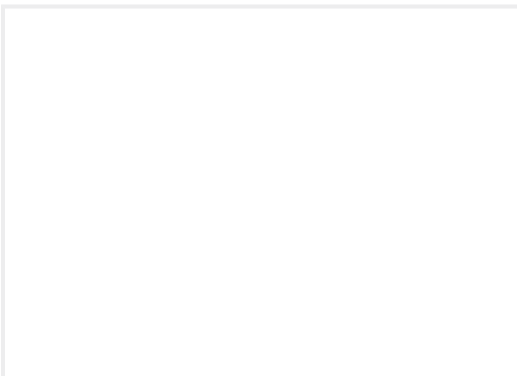
TE Part #2236048-1
KIT SEC.LOCK FOR 32 WAYS CONN.



TE Part #281938-3
MIC MARKII RCPT CONTACT



TE Part #1-2299987-3
65W SEAL PLUG,CONN KIT



TE Part #2098971-1
36WAY RECEPTACLE CARRIER



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