2289748-8 ✔ ACTIVE

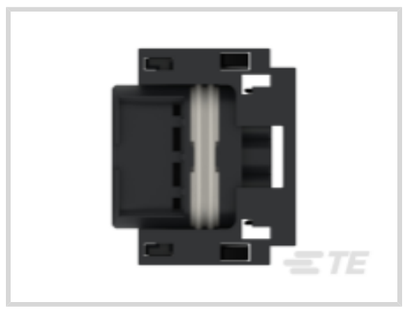
AMP MCP | MCON 1.2mm, AMP MCP 2.8

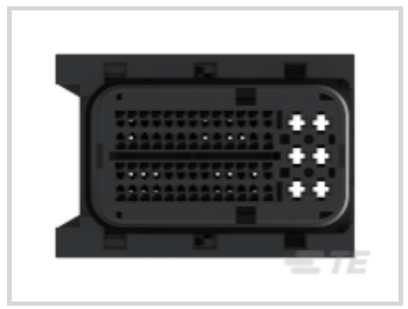
TE Internal #: 2289748-8

12 V, 58 Position, Automotive Housing for Female Terminals, Wire-to-Board, 2.5 mm / 3 mm / 5 mm [.098 in / .12 in / .197 in] Centerline, Hybrid

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings

Nominal Voltage Architecture: **12 V**

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

Number of Positions: **58**

Sealable: **Yes**

Operating Temperature Range: **-40 – 125 °C [-40 – 125 °F]**

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	12, 13, 14, 15, 19, 20, 22, 25, 26, 27, 28, 32, 33, 34, 37, 39, 40, 41, 42, 43, 45, 46, 47, 48, 50, 52, 53, 54, 55, 56, 58, 7, 9
Number of Positions	58
Number of Rows	4

Electrical Characteristics

Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	180 °
Primary Product Color	Black
Connector & Keying Code	Neutral

Contact Features

Contact Size	1.2mm, 2.8mm
Contact Type	Receptacle
Mating Tab Width	1.2 mm, 2.8 mm[.047 in][.11 in]
Contact Current Rating (Max)	25 A, 30 A

Mechanical Attachment

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

Housing Features

Housing Material	PA 66 GF
Centerline (Pitch)	2.5 mm, 3 mm, 5 mm[.098 in][.12 in][.197 in]

Dimensions

Row-to-Row Spacing	3 mm, 6.8 mm[.118 in][.268 in]
Product Width	35.7 mm[1.4 in]
Product Length	61.9 mm[2.44 in]
Connector Height	42 mm[1.65 in]

Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 125 °F]
Operating Temperature (Max)	125 °C[257 °F]

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IPX4, IPX5, IPX7, IPX9K

Packaging Features

Packaging Quantity	156
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: JAN 2025 (247) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in M-10119-1) Decamethylcyclopentasiloxane (D5) (.5% in M-10119-1) Octamethylcyclotetrasiloxane (D4) (.5% in M-10119-1) **Article Safe Usage Statements:** Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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-AM705-T273
AMP MCP, RECEPTACLE AND TAB



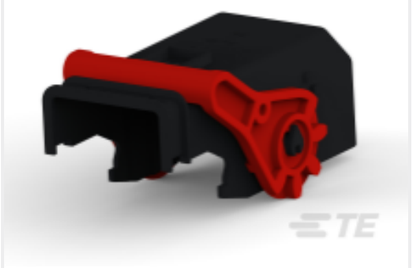
TE Part # 1452416-1
58POS CONNECTOR COVER 180 ASSY



TE Part # 1452408-1
2-NDRY F58 POS. CONNECTOR



TE Part # 1670144-3
MCON 1.2 CB REC SRC AG



TE Part # 1452421-1
58 POS. CONNECTOR COVER 90 ASSY



TE Part # 1452409-2
SECONDARY LOCK FOR 58 POS CONN

Also in the Series | AMP MCP 2.8



Automotive Connector Caps & Covers (15)



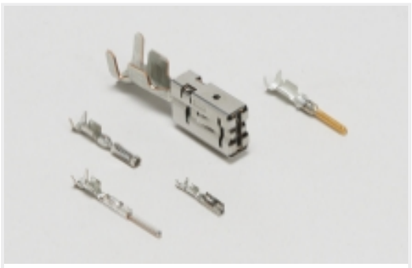
Automotive Housings(352)



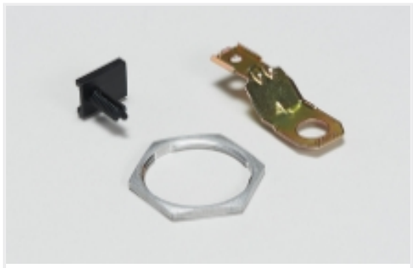
Automotive Seals & Cavity Plugs(16)



Automotive Signal & Power Headers(1)



Automotive Terminals(90)



Other Automotive Connector Accessories(12)

Also in the Series | MCON 1.2mm



Automotive Connector Caps & Covers (15)



Automotive Housings(352)



Automotive Seals & Cavity Plugs(16)



Automotive Signal & Power Headers(1)

Automotive Terminals(90)

Other Automotive Connector Accessories(12)

Customers Also Bought



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT

TE Part #281934-2
SINGLE WIRE SEAL

TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

58POS, MIXED,REC HSG,ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2289748-8_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2289748-8_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2289748-8_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