1718489-1 ✔ ACTIVE

AMP | AMP MCP Connector System, AMP MCP 1.5K

TE Internal #: 1718489-1

12 V / 24 V, 18 Position, Automotive Housing for Female Terminals, Wire-to-Board / Wire-to-Device / Wire-to-Wire, 4 mm [.157 in] Centerline, Hybrid

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Automotive Parts > Automotive Connectors > Automotive Housings > AMP Unsealed Connector Housing







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

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

Number of Positions: **18**

Sealable: **No**

Operating Temperature Range: **-40 – 120 °C [-40 – 248 °F]**

All AMP Unsealed Connector Housing (109)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	No
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Board, Wire-to-Device, Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	18
Number of Rows	2

Electrical Characteristics

Operating Voltage	36 VDC

Nominal Voltage Architecture	12 V, 24 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	1.5K
Contact Type	Receptacle
Mating Tab Width	1.6 mm[.063 in]

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	PBT GF
Centerline (Pitch)	4 mm[.157 in]

Dimensions

Row-to-Row Spacing	3.5 mm[.138 in]
Product Width	23.5 mm[.925 in]
Product Length	38.4 mm[1.512 in]
Connector Height	9.5 mm[.374 in]

Usage Conditions

Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]
Operating Temperature (Max)	120 °C[248 °F]

Operation/Application

Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	1500

Packaging Method	Box

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

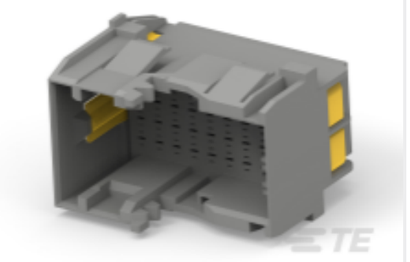
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JAN 2025 (247) 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

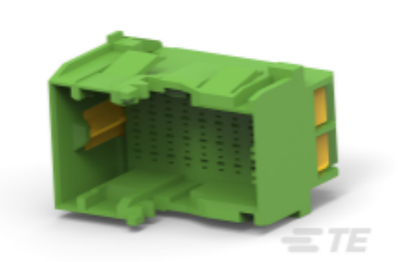
Product Compliance Disclaimer

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



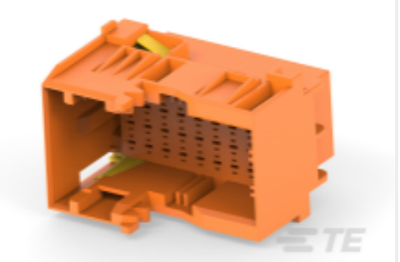
TE Part # 1-1718492-5
1.5MM TAB HSG 36 POS ASSY



TE Part # 1-1718492-3
1.5MM TAB HSG 36 POS ASSY



TE Part # 1-1670615-2
36POS,MIXED,HEADER ASSY,CONV. KIT 25POS



TE Part # 1-2112891-6
36POS,TAB 1.5X0.6,TAB HSG,ASSY



TE Part # 1-1579007-1
EXTRACTION TOOL



TE Part # 1-1670615-1
36POS,MIXED,HEADER ASSY,CONV. KIT 25POS



TE Part # 1-2141847-4
CARRIER,RECEPTCALE HSG, 36POS, ASSY



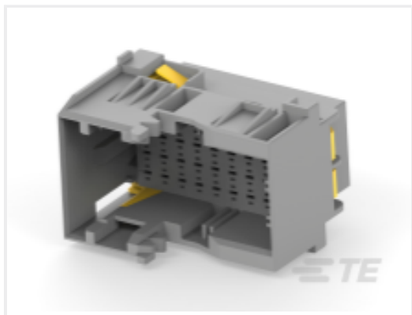
TE Part # 2-1670615-1
36POS,MIXED,HEADER ASSY,CONV. KIT 25POS



TE Part # CAT-M4599-B128
AMP Carrier for Receptacle Inserts



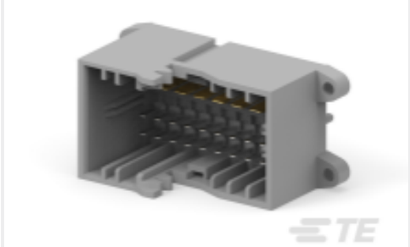
TE Part # 1-1718492-4
1.5MM TAB HSG 36 POS ASSY



TE Part # 1-2112891-5
36POS,TAB 1.5X0.6,TAB HSG,ASSY



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



TE Part # 2-1670615-2
36POS,MIXED,HEADER ASSY,CONV. KIT 25POS

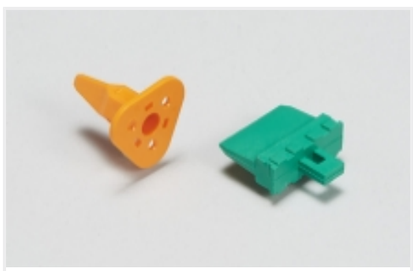


TE Part # CAT-AM705-CH8173
AMP Unsealed Connector Housing

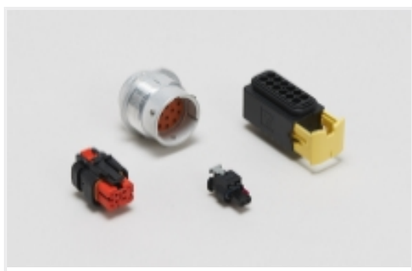
Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers (4)



Automotive Connector Locks & Position Assurance(1)



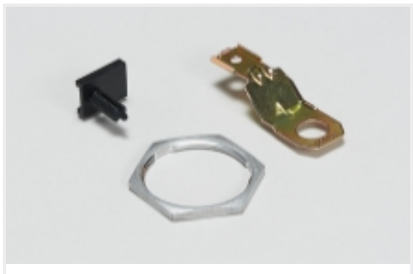
Automotive Housings(59)



Automotive Signal & Power Headers(8)



Automotive Terminals(22)

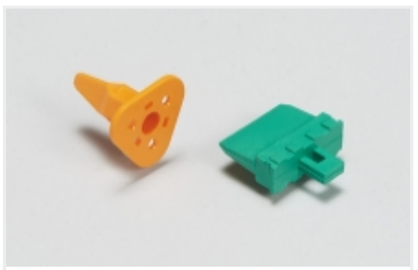


Other Automotive Connector Accessories(4)

Also in the Series | AMP MCP 1.5K



Automotive Connector Caps & Covers (4)



Automotive Connector Locks & Position Assurance(1)



Automotive Housings(59)

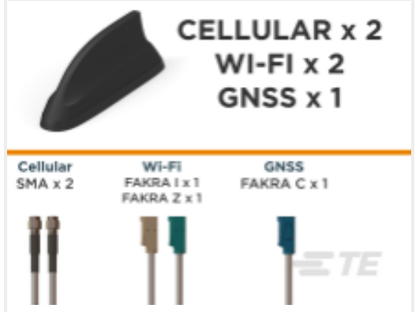


Automotive Signal & Power Connector Housings(42)



Automotive Terminals(22)

Customers Also Bought



TE Part #L000423-08
5-Port,2x 5G/LTE,2x WiFi,GNSS,BLK



TE Part #1393315-9
V23132B2002A200-EV-CBOX



TE Part #1418408-1
AMP MCP 1.5K, CONTACT



TE Part #CAT-M4599-B128
AMP Carrier for Receptacle Inserts



TE Part #CAT-AM705-CH8173
AMP Unsealed Connector Housing



TE Part #3-2176456-6
CPF 0603 2R32 0.1% 25ppm 1K RL

Documents

Product Drawings

AMP MCP 1.5 RECEPT HSG 18 POS

English

CAD Files

Customer View Model

ENG_CVM_1718489-1_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_1718489-1_A1.3d_stp.zip

English

Customer View Model

ENG_CVM_1718489-1_A1.2d_dxf.zip

English

3D PDF

English

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

Product Specifications

Application Specification

German