284858-1 ✔ ACTIVE

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

TE Internal #: 284858-1

12 V / 24 V, 12 Position, Automotive Housing for Male Terminals, Wire-to-Wire, 4.2 mm [.16 in] Centerline, Black, Wire & Cable, Power, Hybrid

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings > 48V Ready 1.5mm Sealed Connectors







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

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

Number of Positions: **12**

Sealable: **No**

Operating Temperature Range: **-25 – 105 °C [-13 – 221 °F]**

All 48V Ready 1.5mm Sealed Connectors (19)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Male Terminals
Sealable	No
Primary Locking Feature	Integrated in Housing
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

Body Features

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

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)	14 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 66 GF20
Centerline (Pitch)	4.2 mm[.16 in]

Dimensions

Row-to-Row Spacing	5.5 mm[.21 in]
Product Width	20.8 mm[.81 in]
Product Length	34.3 mm[1.35 in]
Connector Height	33.7 mm[1.32 in]

Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
Operating Temperature (Max)	105 °C[221 °F]

Operation/Application

Circuit Application	Power

Packaging Features

Packaging Quantity	900
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: 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

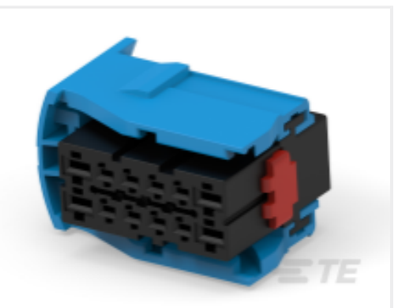


TE Part # 284859-1
12 POS MALE HOUSING

TE Part # CAT-T4827-T273
TIMER, RECEPTACLE AND TAB



TE Part # 284875-2
20 POS FEMALE CONN ASSY



TE Part # 284853-1
12 POS FEMALE CONNECTOR ASS'Y

Also in the Series | 1.5/2.8 Connector System



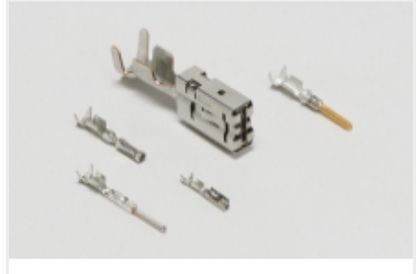
Automotive Connector Caps & Covers (1)



Automotive Housings(193)



Automotive Signal & Power Headers(1)

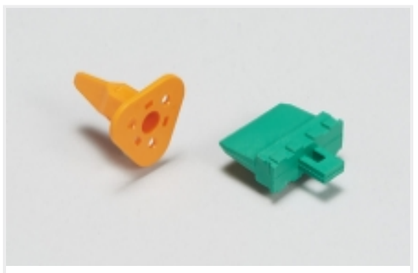


Automotive Terminals(52)

Also in the Series | AMP MCP 2.8



Automotive Connector Caps & Covers (1)



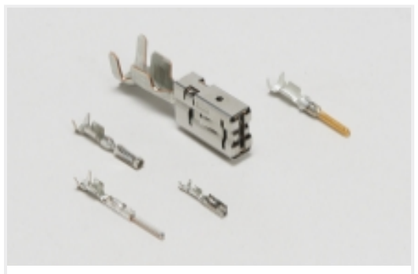
Automotive Connector Locks & Position Assurance(5)



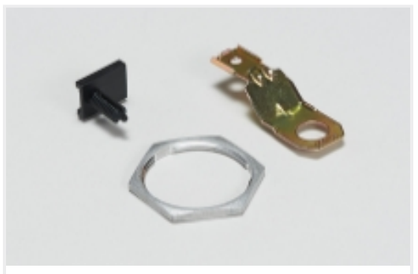
Automotive Housings(193)



Automotive Signal & Power Headers(1)



Automotive Terminals(52)



Other Automotive Connector Accessories(1)

Customers Also Bought



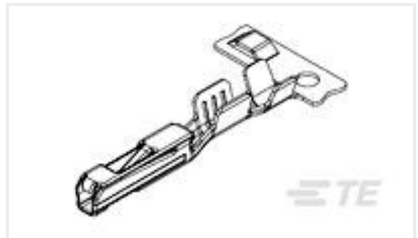
TE Part #284844-1
12 POS MCP HYBRID MALE CONN AS



TE Part #284875-5
20 W. FEMALE CONNECTOR ASSY



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



TE Part #1326028-1
0.64MM FEMALE CONTACT,AU,18-20



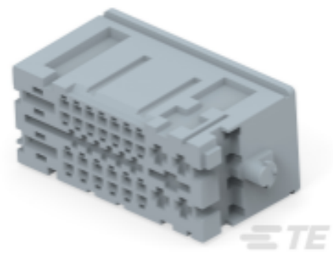
TE Part #1326140-1
32WAY LAC SHIELD ASSEMBLY 70 D



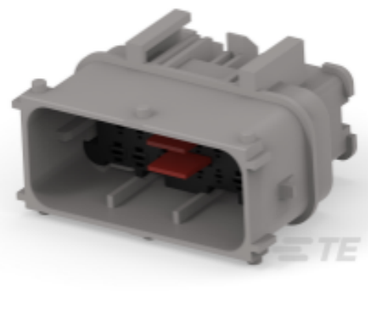
TE Part #1326141-1
32WAY LAC RECEPTACLE CARRIER H



TE Part #1563125-1
10POS, MIXED,TAB HSG



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



TE Part #1745044-2
24 POS MALE CONN.SEALED FOR TAB1.5/2.8

Documents

Product Drawings

12 POS MALE HOUSING ASS'Y

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_284858-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_284858-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_284858-1_D.3d_stp.zip

English

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

Product Specifications

12 POS. HYBRID CONNECTOR UNSEALED FOR AMPMCP 1.5 AND 2.8 CONTACTS

English

12 POS. HYBRID CONNECTOR UNSEALED FOR AMPMCP 1.5 AND 2.8 CONTACTS

English

Instruction Sheets

12POS. AMPMCP1.5AND 2.8 MALE AND FEMALE HYBRID UNSEALED CONNECTOR

English

Instruction Sheet (non U.S.)

English