

284858-1 ✓ ACTIVE

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

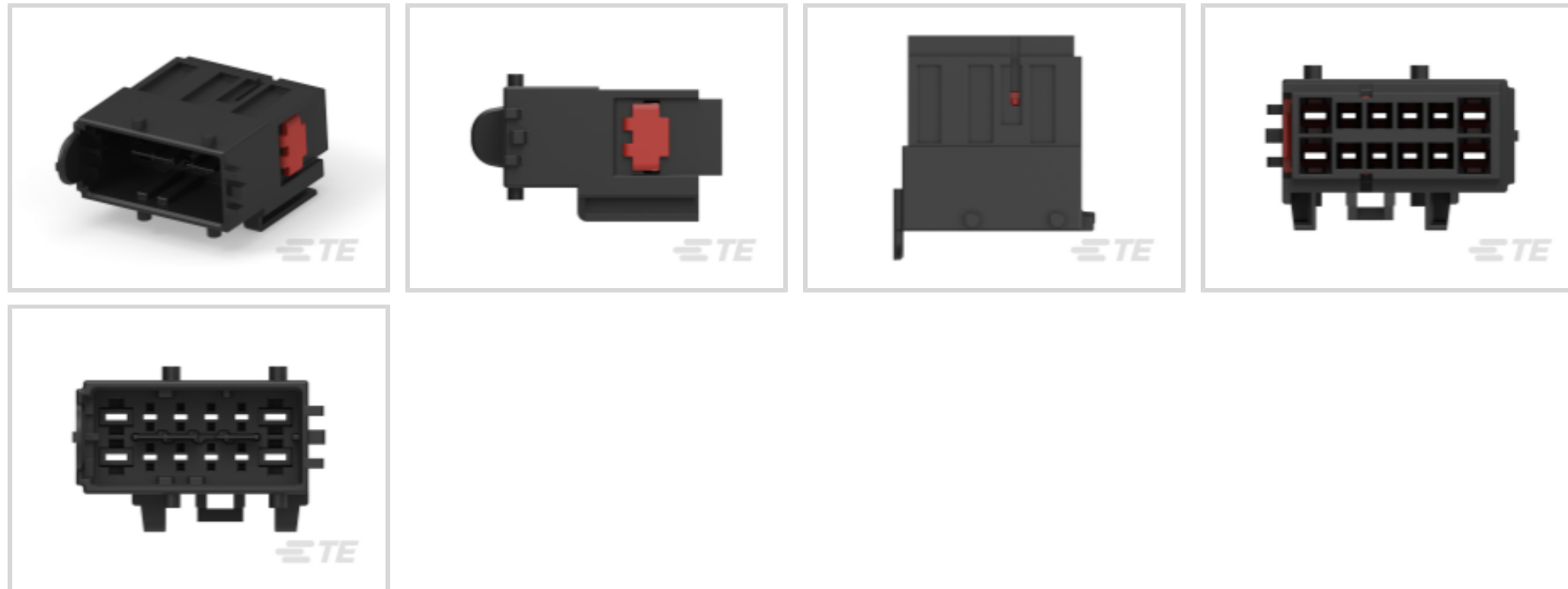
TE Internal #: 284858-1

Housing for Male Terminals, Wire-to-Wire, 12 Position, 4.2 mm [.16 in] Centerline, Sealable, Black, Wire & Cable, Power & Signal, Hybrid

[View on TE.com >](#)



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



Connector System: **Wire-to-Wire**

Number of Positions: **12**

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

Centerline (Pitch): **4.2 mm [.16 in]**

Sealable: **Yes**

[All AMP MCP, SEALED CONNECTOR HOUSING \(130\)](#)

Features

Product Type Features

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

Configuration Features

| | |
|---------------------|----|
| Number of Positions | 12 |
| Number of Rows | 2 |

Housing Features

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 4.2 mm [.16 in] |
|--------------------|-----------------|



| | |
|------------------|-------|
| Housing Material | PA GF |
|------------------|-------|

Body Features

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

Contact Features

| | |
|------------------------------|--------------|
| Contact Current Rating (Max) | 20 A, 14 A |
| Contact Size | 2.8mm, 1.6mm |
| Contact Type | Tab |

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Mechanical Attachment

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

Usage Conditions

| | |
|-----------------------------|--|
| Operating Temperature (Max) | 80 °C, 105 °C, 90 °C, 100 °C, 85 °C, 75 °C, 70 °C[221 °F][158 °F][167 °F][176 °F][194 °F] [185 °F][212 °F] |
| Operating Temperature Range | -25 – 105 °C[-13 – 221 °F] |

Electrical Characteristics

| | |
|------------------------------|--------|
| Nominal Voltage Architecture | 24 V |
| Operating Voltage | 24 VDC |

Other

| | |
|--------------------------------------|-----------|
| Connector Position Assurance Capable | No |
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |
| Serviceable | Yes |

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] |

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 900 |
| Packaging Method | Box |

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 2024 (241) 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



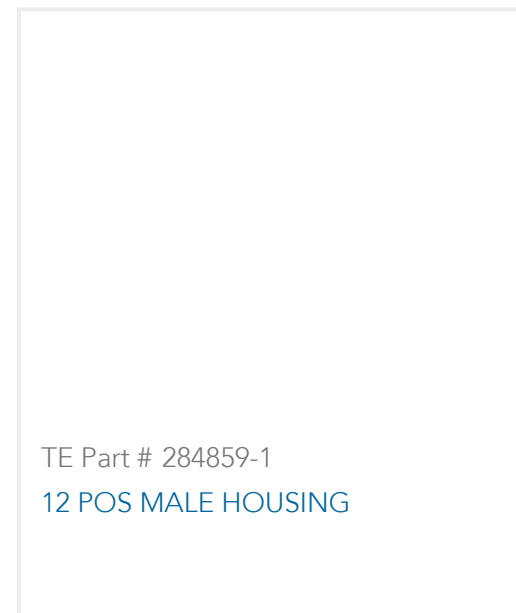
TE Part # CAT-T4827-T273
TIMER, RECEPTACLE AND TAB



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



TE Part # 284875-2
20 POS FEMALE CONN ASSY

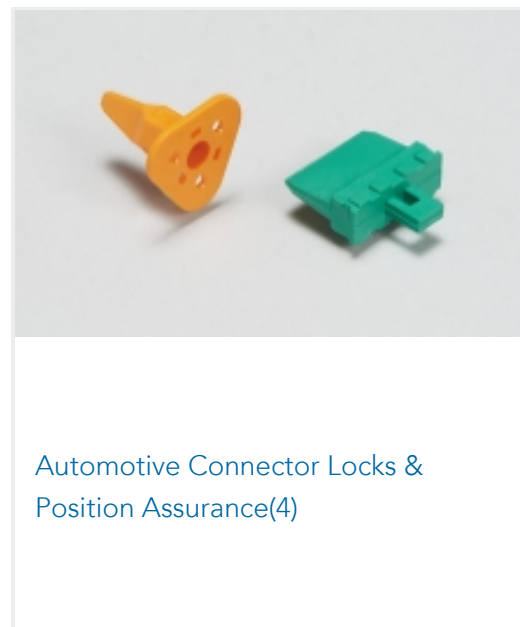


TE Part # 284859-1
12 POS MALE HOUSING

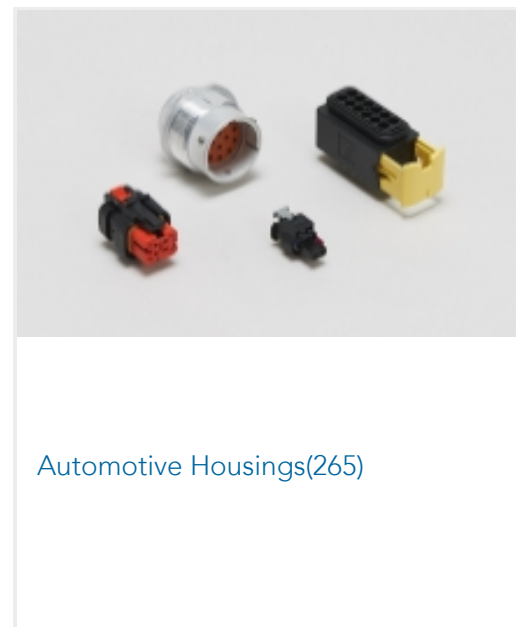
Also in the Series | **AMP MCP Connector System**



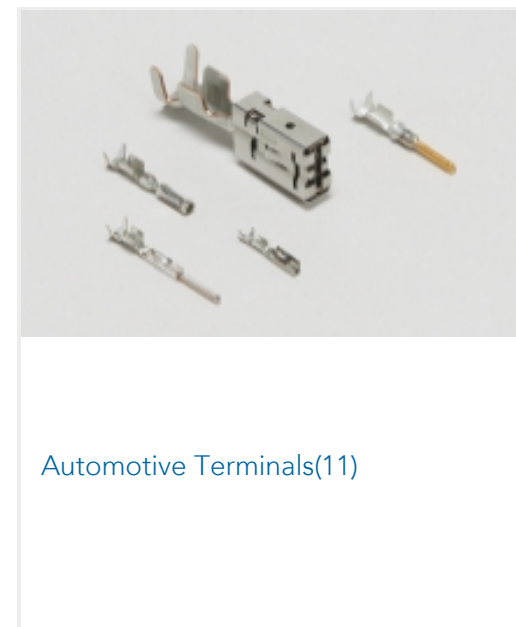
Automotive Connector Caps & Covers (24)



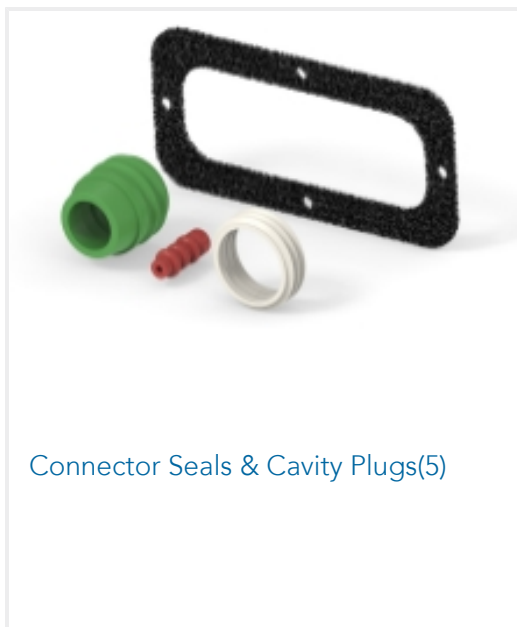
Automotive Connector Locks & Position Assurance (4)



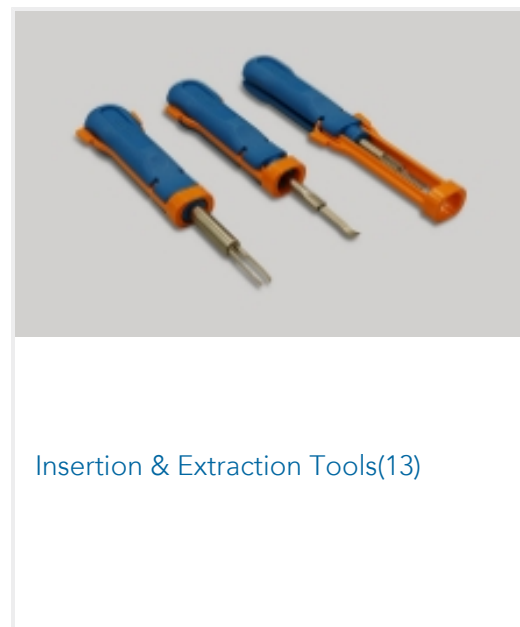
Automotive Housings (265)



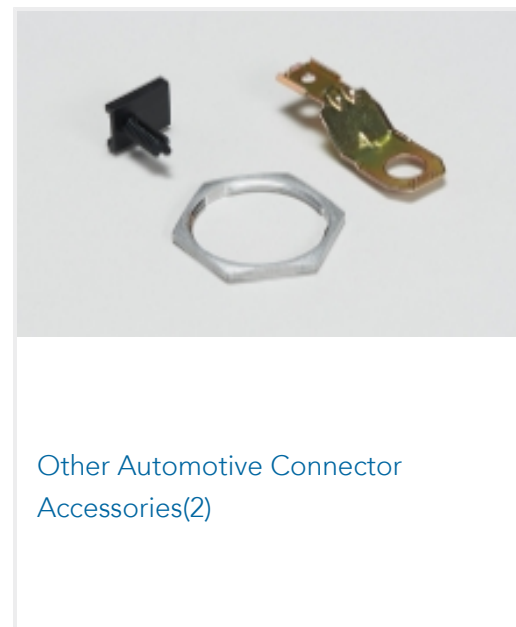
Automotive Terminals (11)



Connector Seals & Cavity Plugs (5)



Insertion & Extraction Tools (13)

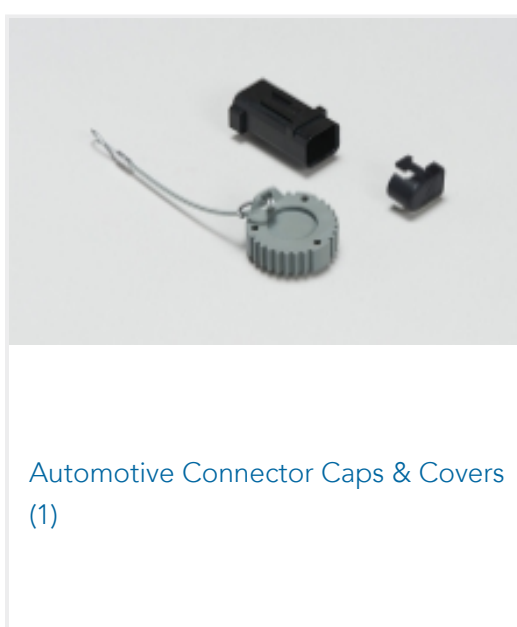


Other Automotive Connector Accessories (2)

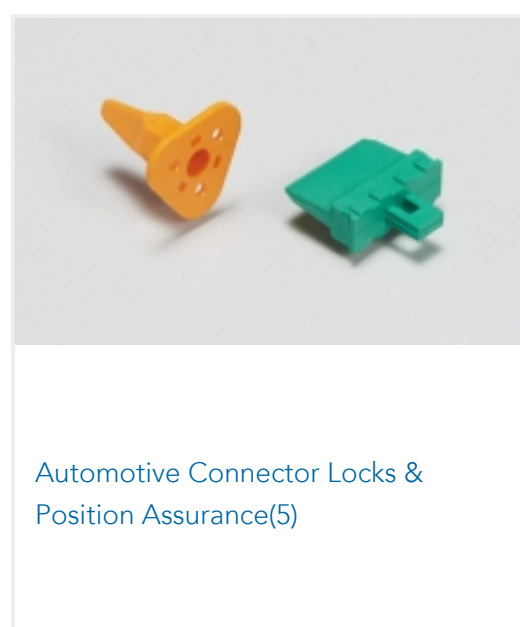


PCB Headers & Receptacles (32)

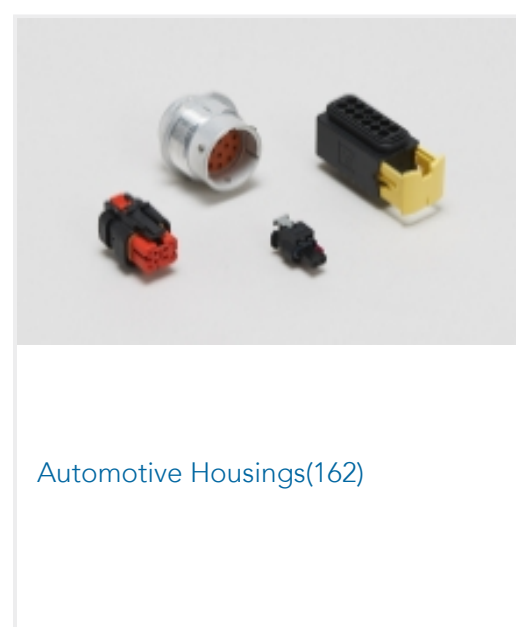
Also in the Series | **AMP MCP 2.8**



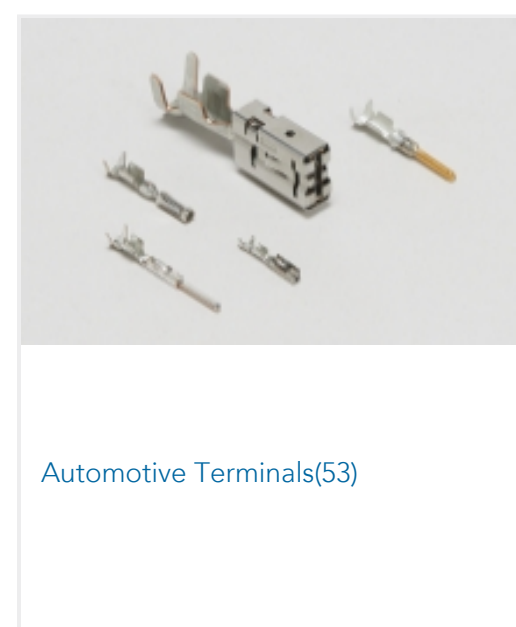
Automotive Connector Caps & Covers (1)



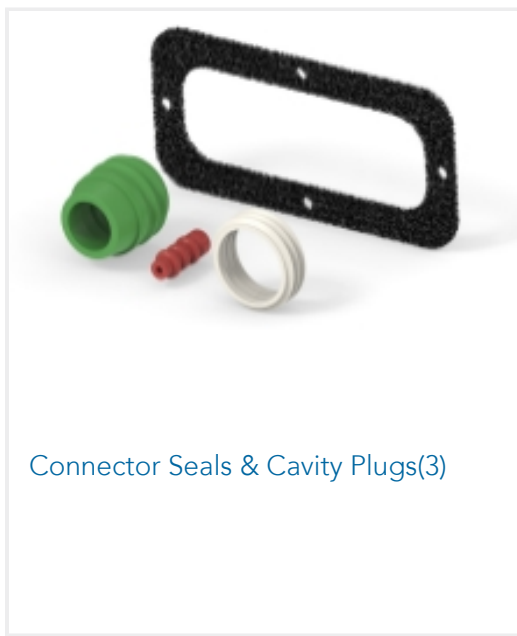
Automotive Connector Locks & Position Assurance (5)



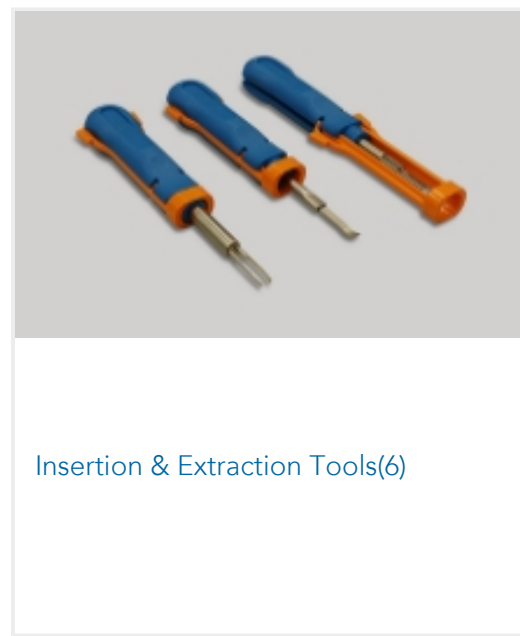
Automotive Housings (162)



Automotive Terminals (53)



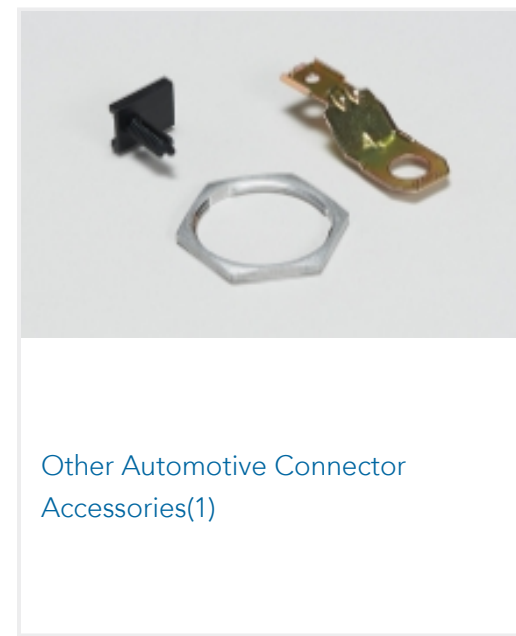
Connector Seals & Cavity Plugs(3)



Insertion & Extraction Tools(6)



Module Components(1)



Other Automotive Connector Accessories(1)

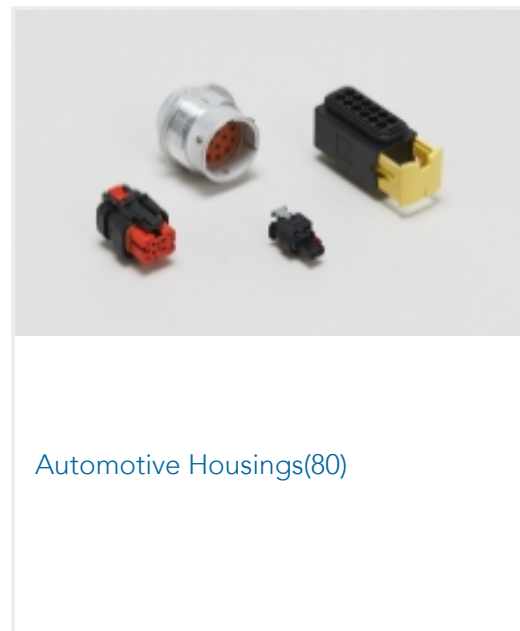


PCB Headers & Receptacles(1)

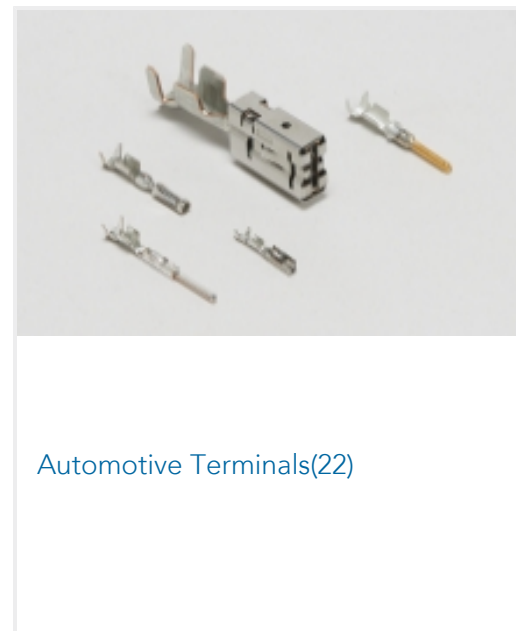
Also in the Series | **AMP MCP 1.5K**



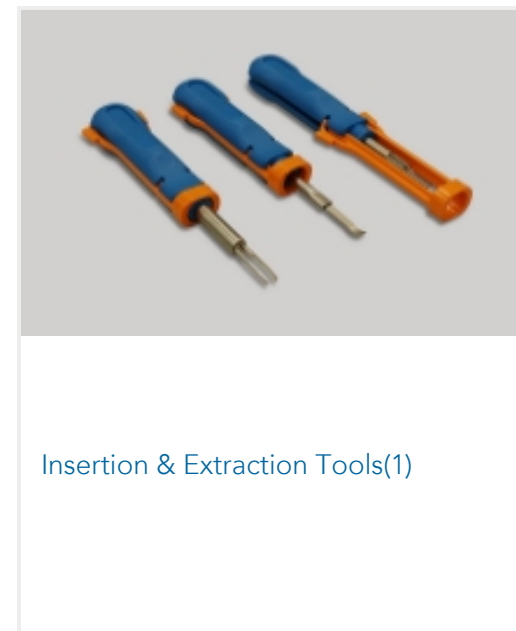
Automotive Connector Caps & Covers (3)



Automotive Housings(80)



Automotive Terminals(22)



Insertion & Extraction Tools(1)

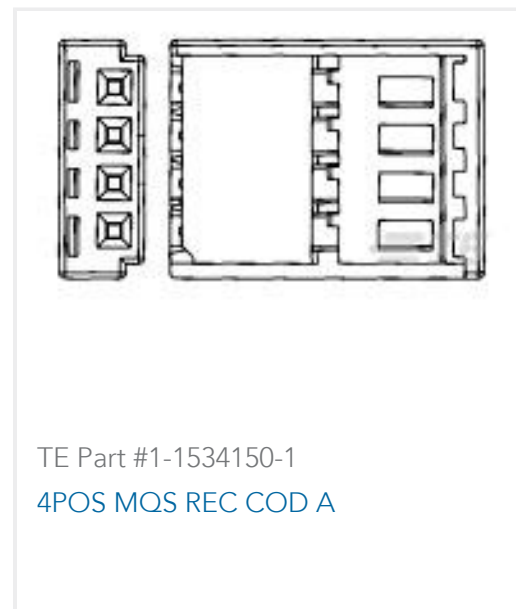
Customers Also Bought



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



TE Part #175193-1
187 PL EX FLAG REC. 22-16AWG PTBR



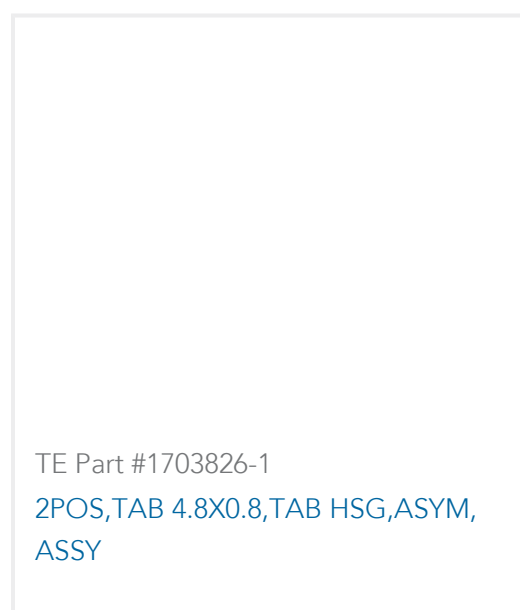
TE Part #1-1534150-1
4POS MQS REC COD A



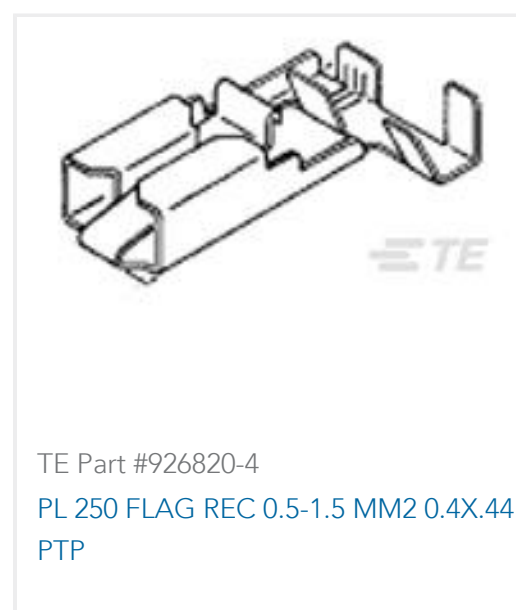
TE Part #1379659-2
8W PLUG HOUSING ASSY GRAY



TE Part #2-964298-1
TAB A 2.8x0.8 CONTACT CF SWS Sn



TE Part #1703826-1
2POS,TAB 4.8X0.8,TAB HSG,ASYM, ASSY



TE Part #926820-4
PL 250 FLAG REC 0.5-1.5 MM2 0.4X.44 PTP



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



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