

2177018-1 ✓ ACTIVE

AMP | AMP MCP 6.3/4.8K, AMP MCP Connector System

TE Internal #: 2177018-1

Single Wire Seal (SWS), Silicone, Yellow, 8.5 mm [.334 in] Cavity

Diameter, .083 in [2.1 mm] Insulation Diameter, AMP MCP

Connector System

[View on TE.com >](#)



Connectors > Connector Accessories > Connector Seals & Cavity Plugs



Connector Seal & Plug Type: **Single Wire Seal (SWS)**

Primary Product Material: **Silicone**

Primary Product Color: **Yellow**

Cavity Diameter: **8.5 mm [.334 in]**

Compatible Insulation Diameter Range: **2.1 mm [.083 in]**

## Features

### Product Type Features

Connector Seal & Plug Type	Single Wire Seal (SWS)
----------------------------	------------------------

### Body Features

Primary Product Material	Silicone
Primary Product Color	Yellow

### Dimensions

Cavity Diameter	8.5 mm [.334 in]
Compatible Insulation Diameter Range	2.1 mm [.083 in]

### Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C [149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F]
Operating Temperature Range	-40 – 130 °C[-40 – 266 °F]

### Industry Standards

UL Flammability Rating	None
------------------------	------

### Other

Resistance to Hydrocarbons	Poor
Shore A Hardness	50



Contains Lubricant	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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2022 (224) 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 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-H3399-CH8172  
Heavy Duty Sealed Connector Series Housings



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



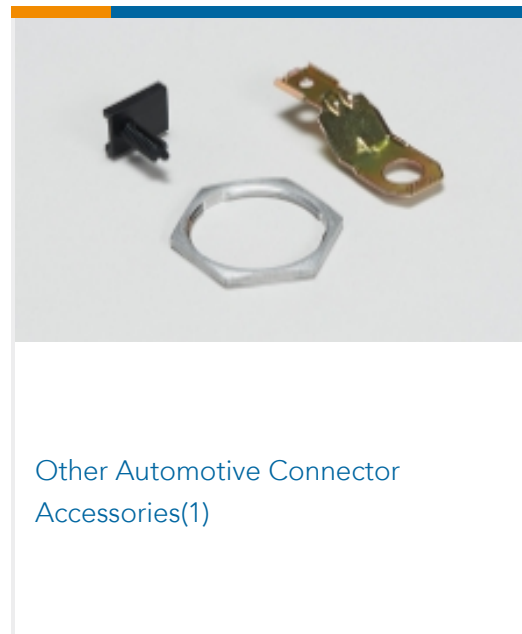
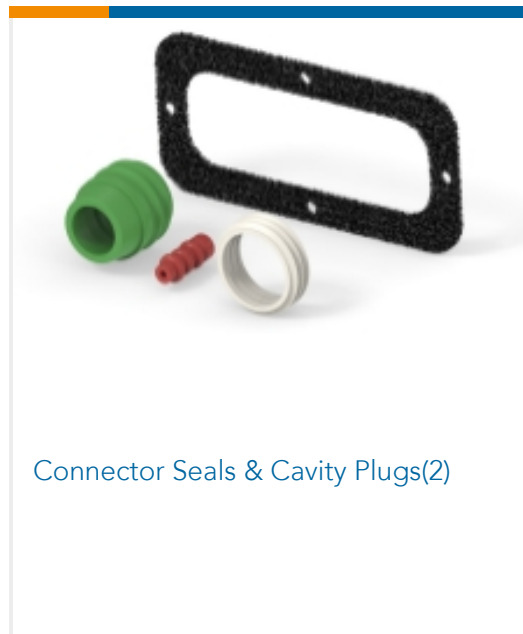
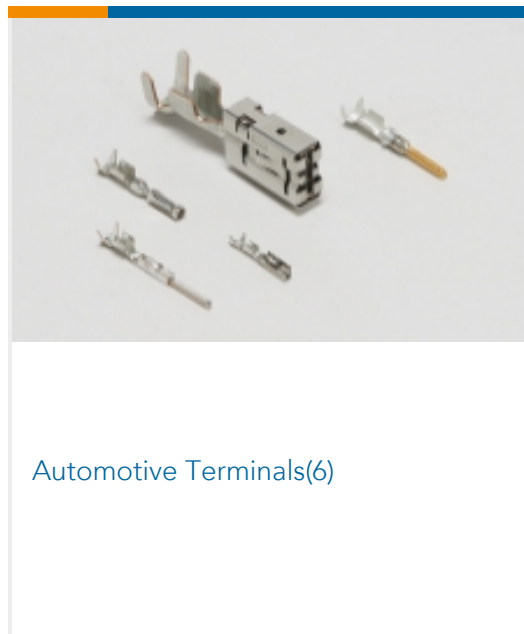
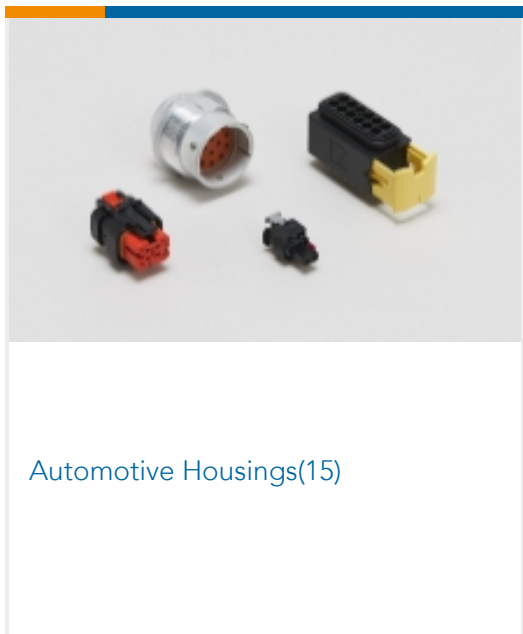
TE Part # 2301461-1  
30POS, HYBRID, TAB HSG ASSY, SLD, COD A



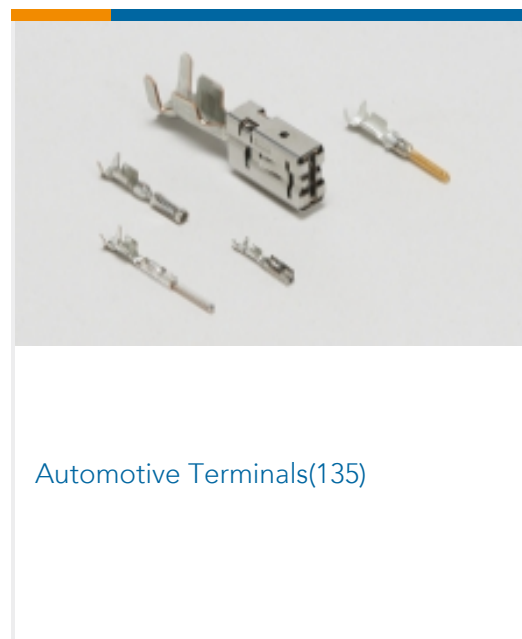
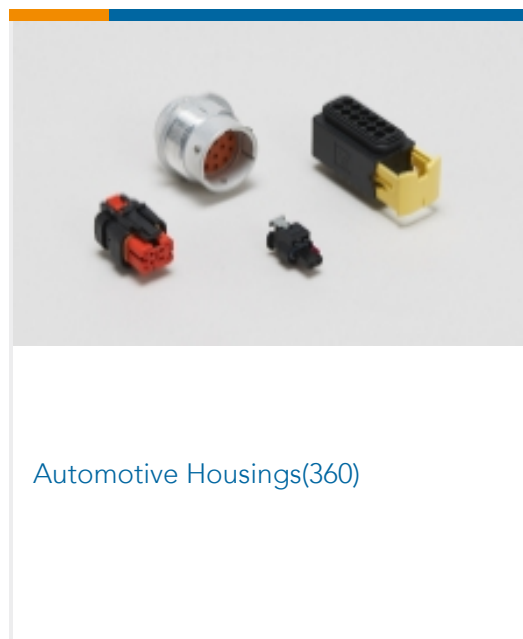
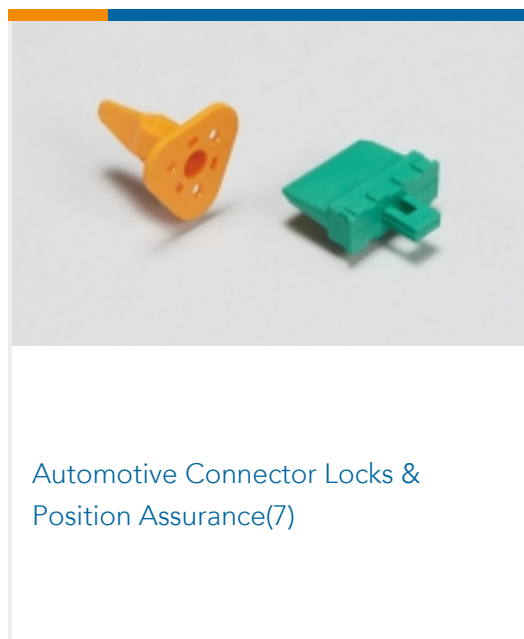
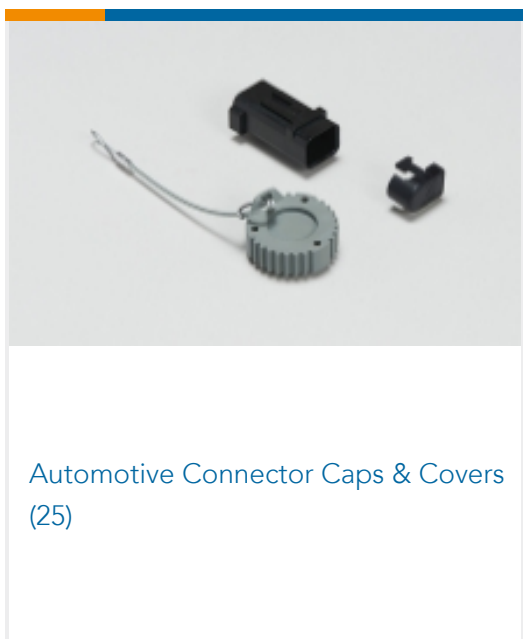
TE Part # 2301462-1  
30POS, HYBRID, REC HSG ASSY, SLD, COD A

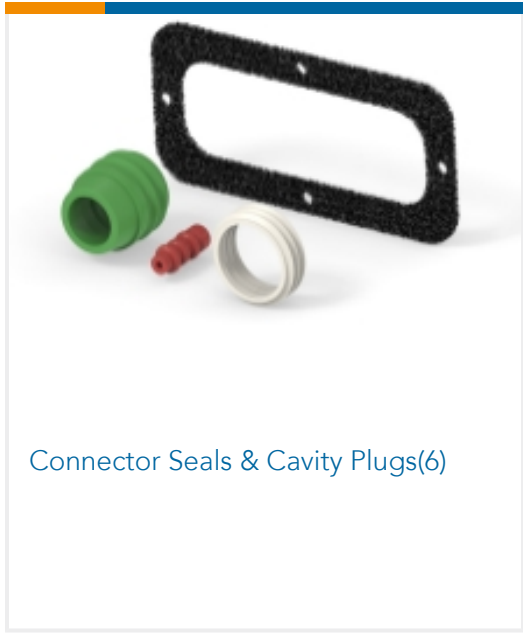


Also in the Series | **AMP MCP 6.3/4.8K**

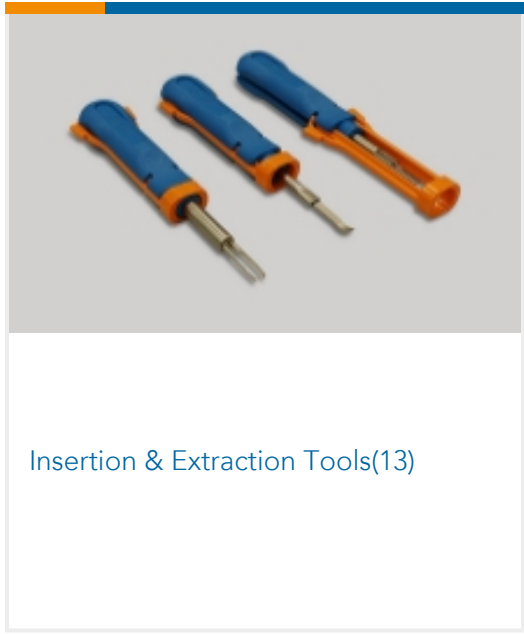


Also in the Series | **AMP MCP Connector System**

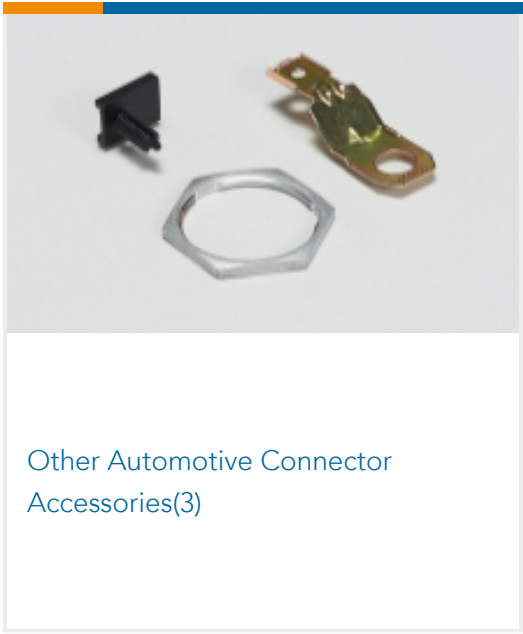




Connector Seals & Cavity Plugs(6)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(3)



PCB Headers & Receptacles(30)

## Customers Also Bought



TE Part #1823111-1  
SINGLE WIRE SEAL, FOR WIRE 2.5  
SQMM, BN



TE Part #5-1625868-9  
RP 2A 0.25W 21R5 0.1% 25PPM 1K RL  
SQMM, BN



TE Part #1927574004  
ATUM-6/2-2-SP



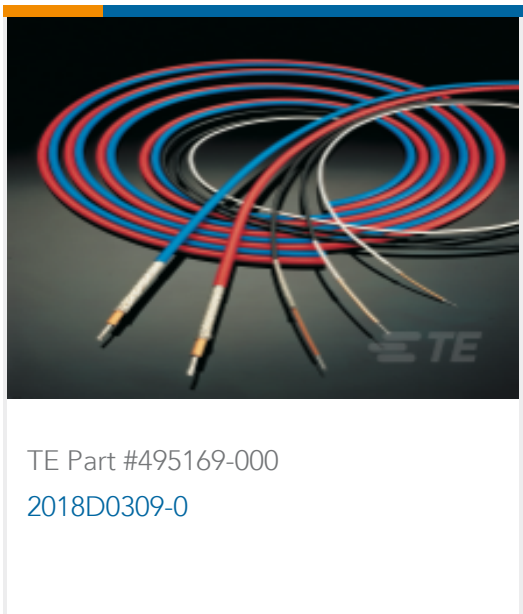
TE Part #1-962918-1  
TAB 5.8x0.8 CONTACT CS SWS Sn



TE Part #175778-6  
CT CRIMP REC HSG 6P NATURAL



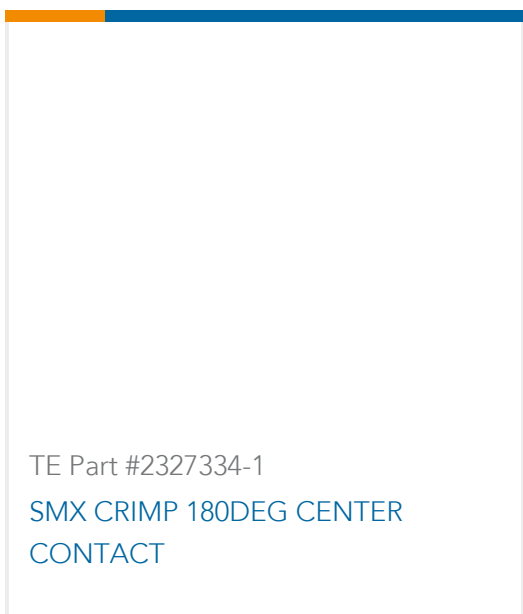
TE Part #1456987-1  
2x4 Fem unsealed LP assy Key A



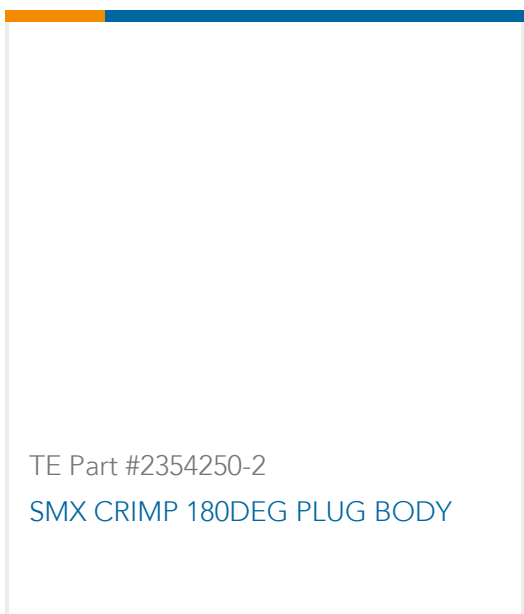
TE Part #495169-000  
2018D0309-0



TE Part #1-2005107-1  
CLIP HSG FOR 1.5MM 2P CAP



TE Part #2327334-1  
SMX CRIMP 180DEG CENTER  
CONTACT



TE Part #2354250-2  
SMX CRIMP 180DEG PLUG BODY

## Documents

### Product Drawings

[SINGLE WIRE SEAL, AMP MCP6.3/4.8K, YW](#)

English

### CAD Files

[3D PDF](#)

3D

### Customer View Model

[ENG\\_CVM\\_CVM\\_2177018-1\\_A\\_c-2177018-1-a.2d\\_dxf.zip](#)

2177018-1

Single Wire Seal (SWS), Silicone, Yellow, 8.5 mm [.334 in] Cavity Diameter, .083 in [2.1 mm] Insulation Diameter, AMP MCP Connector System



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2177018-1\\_A\\_c-2177018-1-a.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2177018-1\\_A\\_c-2177018-1-a.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

## Datasheets & Catalog Pages

[HDSCS Catalog](#)

English

[CONNECTOR SELECTOR](#)

English