

2040594-6 ✓ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 2040594-6

Housing for Male Terminals, Wire-to-Wire, 12 Position, .177 in [4.5 mm] Centerline, Sealable, Black, -40 – 257 °F [-40 – 125 °C],

AMPSEAL 16

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Connectors > Automotive Connectors > Automotive Housings > AMPSEAL 16 Housings



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

Number of Positions: **12**

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

Centerline (Pitch): **4.5 mm [ .177 in ]**

Sealable: **Yes**

[All AMPSEAL 16 Housings \(226\)](#)

## Features

### Product Type Features

Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing

### Configuration Features

Number of Positions	12
Number of Rows	2

### Body Features

Primary Product Color	Black
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### Contact Features



Contact Size	Size 16
Contact Type	Pin
Mating Pin Diameter	1.5 mm[.059 in]

### Mechanical Attachment

Terminal Position Assurance	No
Mating Alignment Type	Polarizing Tab
Mating Alignment	With

### Housing Features

Centerline (Pitch)	4.5 mm[.177 in]
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### Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 81 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][173 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

### Industry Standards

Degree of Protection	IP67
UL Flammability Rating	UL 94HB

### Packaging Features

Packaging Quantity	160
Packaging Method	Box

### Other

Connector Position Assurance Capable	Yes
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### 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 2023 (235) 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-AM7801-CH8172  
AMPSEAL 16 Housings



TE Part # CAT-AM7801-B128  
AMPSEAL 16 Connectors Backshell



TE Part # CAT-AM7801-T273  
Contacts: Size 16, 13A



TE Part # 1924487-3  
MOUNTING CLIP, AMPSEAL 16

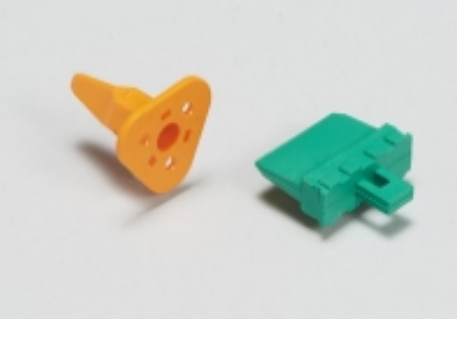


TE Part # 776363-1  
SEALING PLUG, SZ 16 CAVITY


## Also in the Series | AMPSEAL 16



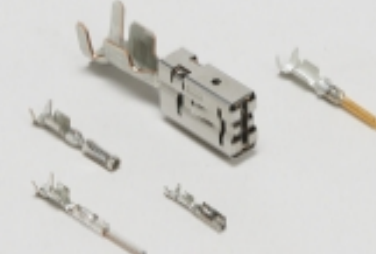
Automotive Connector Caps & Covers (1)



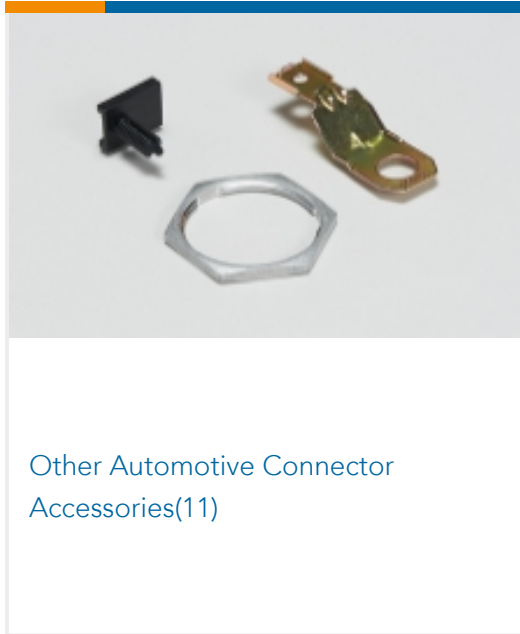
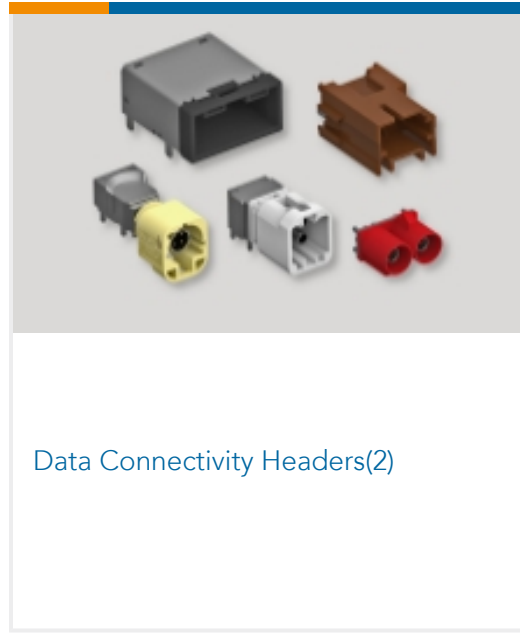
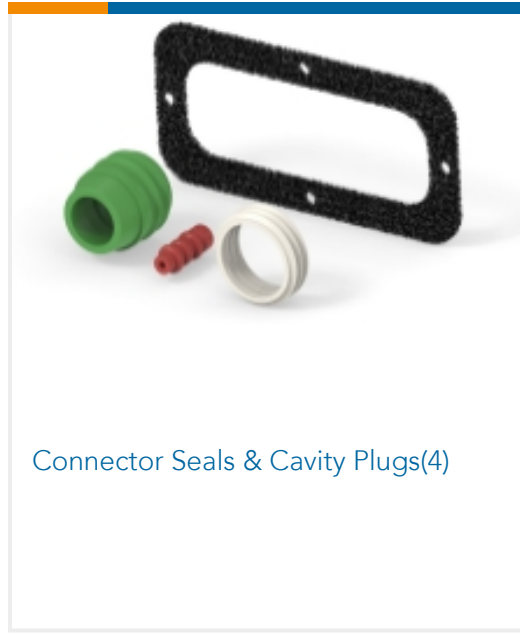
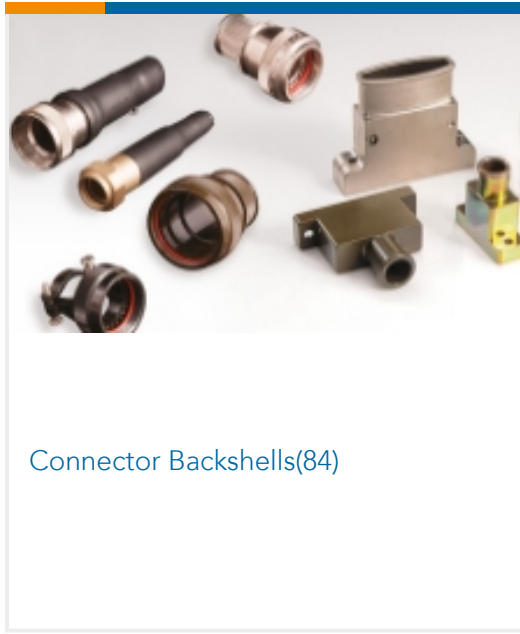
Automotive Connector Locks & Position Assurance(2)



Automotive Housings(244)



Automotive Terminals(33)



## Customers Also Bought



## Documents

### Product Drawings

[SEAL CAP HSG 12P, AMPSEAL16 SE](#)

Japanese

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2040594-6\\_D.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2040594-6\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2040594-6\\_D.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

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### Product Specifications

[AMPSEAL SEAL CAP](#)

Japanese

[Product Specification](#)

Japanese