



Connectors > Automotive Connectors > Automotive Housings > AMPSEAL 16 Housings



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

Number of Positions: **12**

Connector & Housing Type: **Cap**

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

Sealable: **Yes**

[All AMPSEAL 16 Housings \(224\)](#)

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Connector          | No                    |
| Connector Shape                   | Rectangular           |
| Connector System                  | Wire-to-Wire          |
| Connector & Housing Type          | Cap                   |
| Sealable                          | Yes                   |
| Connector & Contact Terminates To | Wire & Cable          |
| Primary Locking Feature           | Integrated in Housing |

Configuration Features

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

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

Body Features

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



Contact Features

|                     |                |
|---------------------|----------------|
| Contact Size        | 1.5mm          |
| Contact Type        | Pin            |
| Mating Pin Diameter | 1.5 mm[.06 in] |

Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Terminal Position Assurance | Yes                        |
| Strain Relief               | Add By Accessory           |
| Mating Alignment Type       | Keyed                      |
| Mating Alignment            | With                       |
| Connector Mounting Type     | Cable Mount (Free-Hanging) |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | PBT GF          |
| Centerline (Pitch) | 4.5 mm[.177 in] |

Dimensions

|                    |                    |
|--------------------|--------------------|
| Connector Height   | 26.65 mm[1.049 in] |
| Product Width      | 47.55 mm[1.872 in] |
| Product Length     | 37.6 mm[1.48 in]   |
| Row-to-Row Spacing | 5.3 mm[.209 in]    |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 125 °C[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 | 1   |
| Packaging Method   | Bag |

Other

|                                      |     |
|--------------------------------------|-----|
| Serviceable                          | Yes |
| Connector Position Assurance Capable | 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)<br>Decamethylcyclopentasiloxane (D5) (.5% in Component Part)<br><b>Article Safe Usage Statements:</b><br>Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| 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 # 776533-2  
AS16, PLUG ASSY, ST, 12P, E SEAL, CODE B



TE Part # CAT-AM7801-M8649  
AMPSEAL 16 Connectors Mounting Clips



TE Part # CAT-AM7801-T273  
AMPSEAL 16 CONTACTS



TE Part # CAT-AM7801-T618  
Removal Tools — AMPSEAL 16

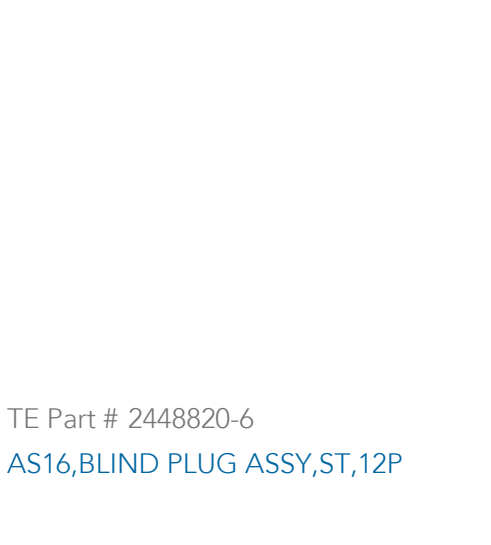




TE Part # 776364-1  
SEALING PLUG, SZ 20 CAVITY



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



TE Part # 2448820-6  
AS16, BLIND PLUG ASSY, ST, 12P

Also in the Series | AMPSEAL 16



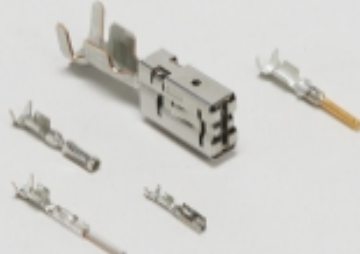
Automotive Connector Caps & Covers (3)



Automotive Connector Locks & Position Assurance (2)



Automotive Housings (244)



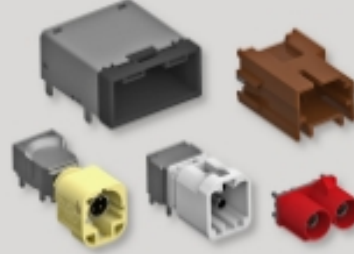
Automotive Terminals (35)



Connector Backshells (84)



Connector Seals & Cavity Plugs (4)



Data Connectivity Headers (2)

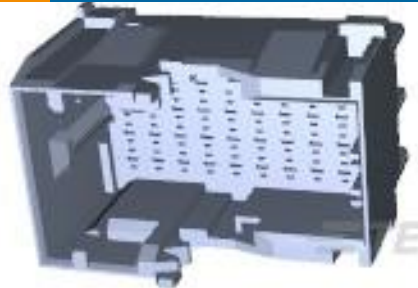


Data Connectivity Housings (3)



Other Automotive Connector Accessories (11)

Customers Also Bought



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



TE Part #1871412-1  
AMPSEAL 16 Housings



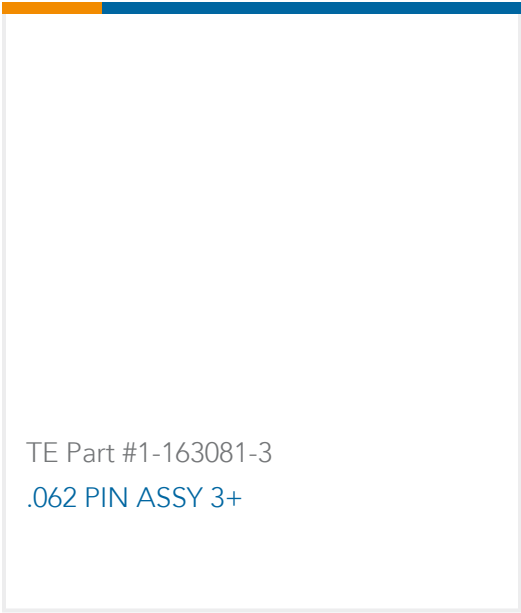
TE Part #2292797-3  
AS16, PLUG BACKSHELL KIT, ST, 02P, NC08



TE Part #DT06-12SD-CE13  
PLG, 12P, BRN, E, SEAL RET, ENH KEY, XCAP, D



TE Part #YHDP24-24-19PEL024  
REC, 19P, BLK, E, WTHD, 12/16, P



TE Part #1-163081-3  
.062 PIN ASSY 3+

Documents

Product Drawings

AS16,CAP ASSY,ST,12P,E SEAL,CODE B

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_776539-2\_C\_c-776539-2-c.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_776539-2\_C\_c-776539-2-c.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_776539-2\_C\_c-776539-2-c.3d\_stp.zip

English

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

Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English