

776523-2 ✓ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776523-2

12 V / 240 V / 48 V, 3 Position, Automotive Plug, Wire-to-Wire, 4.5 mm [.177 in] Centerline, Sealable, Black, Wire & Cable, AMPSEAL 16

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings > AMPSEAL 16 Housings



Nominal Voltage Architecture: 12 V, 24 V, 48 V, 240 V

Connector & Housing Type: Plug

Number of Positions: 3

Sealable: Yes

Operating Temperature Range: -40 – 125 °C [ -40 – 257 °F ]

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

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	3
Number of Rows	1

### Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V, 240 V

### Body Features

Cable Exit Angle	180 °
Primary Product Color	Black



Connector & Keying Code	B
-------------------------	---

### Contact Features

Contact Size	1.5mm
--------------	-------

Contact Type	Socket
--------------	--------

Mating Pin Diameter	1.5 mm[.06 in]
---------------------	----------------

### Mechanical Attachment

Strain Relief	Add By Accessory
---------------	------------------

Terminal Position Assurance	Yes
-----------------------------	-----

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

Product Width	36.8 mm[1.449 in]
---------------	-------------------

Product Length	24.83 mm[.978 in]
----------------	-------------------

Connector Height	23.5 mm[.925 in]
------------------	------------------

### Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
-----------------------------	----------------------------

Operating Temperature (Max)	125 °C[257 °F]
-----------------------------	----------------

### Industry Standards

IP Rating	IP67
-----------	------

UL Flammability Rating	UL 94HB
------------------------	---------

### Packaging Features

Packaging Quantity	22
--------------------	----

Packaging Method	Tube
------------------	------

### 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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Dodecamethylcyclhexasiloxane (D6) (.5% in 27519261136) Decamethylcyclopentasiloxane (D5) (.5% in 27519261136) Octamethylcyclotetrasiloxane (D4) (.5% in 27519261133) <b>Article Safe Usage Statements:</b> 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 2272179-2  
AMPSEAL 16 PERIPHERAL SEAL 3P - SERVICE



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



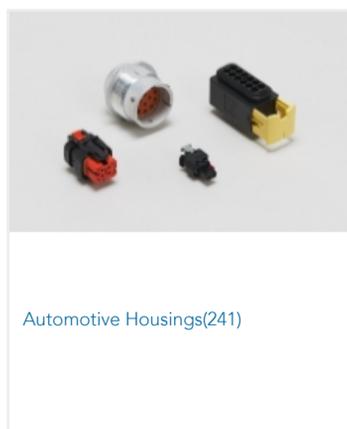
TE Part # 2302491-1  
AS16, PLUG BACKSHELL KIT, RA, 03P, SMOOTH



TE Part # 2292798-2  
AS16, PLUG BACKSHELL KIT, ST, 03P, NC12



## Also in the Series | AMPSEAL 16



## Customers Also Bought



TE Part #YHDP26-24-31SEL024  
PLG, 31P, BLK, E, WTHD, 16, S



TE Part #0081930005  
ES-CAP-NO.1-C1-X-40MM



TE Part #816870-000  
SO63-4-55-20-90



TE Part #CAT-AM7801-CH8172  
AMPSEAL 16 Housings



TE Part #2292797-1  
AS16,PLUG BACKSHELL KIT,ST,02P,  
SMOOTH



TE Part #2825316-1  
CLUSTER BLOCK HOUSING GWT



TE Part #969031-2  
POS-MATE FLA-STE5,2

## Documents

### Product Drawings

[AS16,PLUG ASSY,ST,03P,E SEAL,CODE B](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_776523-2\\_E\\_c-776523-2-e.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_776523-2\\_E\\_c-776523-2-e.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_776523-2\\_E\\_c-776523-2-e.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

776523-2

12 V / 240 V / 48 V, 3 Position, Automotive Plug, Wire-to-Wire, 4.5 mm [.177 in]  
Centerline, Sealable, Black, Wire & Cable, AMPSEAL 16



**Instruction Sheets**

**Instruction Sheet (U.S.)**

English