

776433-3 ✓ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776433-3

24 V / 240 V / 48 V, 6 Position, Automotive Plug, Wire-to-Wire, 4.5 mm [.177 in] Centerline, Sealable, Black, Wire & Cable, Power, AMPSEAL 16

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

Connector & Housing Type: **Plug**

Number of Positions: **6**

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	6
Number of Rows	2

### 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	C
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### Contact Features

Contact Size	Size 16
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Contact Type	Socket
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Mating Pin Diameter	1.5 mm[.062 in]
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Contact Current Rating (Max)	13 A
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### Mechanical Attachment

Strain Relief	Without
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Terminal Position Assurance	Yes
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

Housing Material	PBT GF
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Centerline (Pitch)	4.5 mm[.177 in]
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### Dimensions

Row-to-Row Spacing	5.3 mm[.209 in]
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Compatible Insulation Diameter Range	1.3 – 3.3 mm[.051 – .131 in]
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Product Width	36.6 mm[1.44 in]
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Product Length	25.3 mm[.997 in]
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Connector Height	31 mm[1.22 in]
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Wire Size	20 – 14 AWG
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### Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
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Operating Temperature (Max)	125 °C[257 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

IP Rating	IP67
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UL Flammability Rating	UL 94HB
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### 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: Decamethylcyclopentasiloxane (D5) (.5% in 27519360982) Dodecamethylcyclohexasiloxane (D6) (.5% in 27519261137) Octamethylcyclotetrasiloxane (D4) (.5% in 27519261137) <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 # 1-2035366-2  
Backshell, AS16, 6P, 90Deg, NC16, LP, Plug



TE Part # 2035366-8  
Backshell, AS16, 6P, 90Deg, NC08, LP, Plug



TE Part # 2272179-4  
AMPSEAL 16 PERIPHERAL SEAL 6P - SERVICE



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



TE Part # CAT-AM7801-CH8172  
AMPSEAL 16 Housings



TE Part # 1-2035366-0  
Backshell, AS16, 6P, 90Deg, NC12, LP, Plug



TE Part # 2302493-3  
AS16, PLUG BACKSHELL KIT, RA, 06P, NC12



TE Part # 2302493-2  
AS16, PLUG BACKSHELL KIT, RA, 06P, NC16



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



TE Part # 2292800-1  
AS16, PLUG BACKSHELL KIT, ST, 06P, SMOOTH



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



TE Part # 2292800-2  
AS16, PLUG BACKSHELL KIT, ST, 06P, NC16



TE Part # 2302493-1  
AS16, PLUG BACKSHELL KIT, RA, 06P, SMOOTH

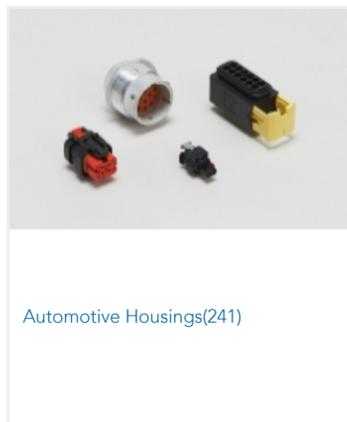


TE Part # 2292800-3  
AS16, PLUG BACKSHELL KIT, ST, 06P, NC12

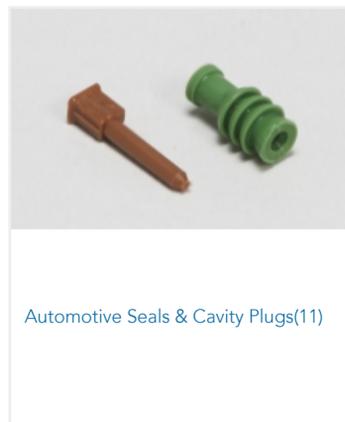
Also in the Series | **AMPSEAL 16**



Automotive Connector Locks & Position Assurance(6)



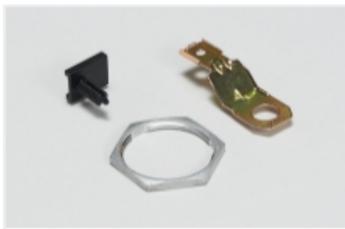
Automotive Housings(241)



Automotive Seals & Cavity Plugs(11)

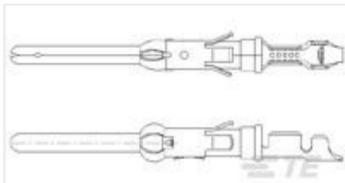


Data Connectivity Headers(9)



Other Automotive Connector  
Accessories(8)

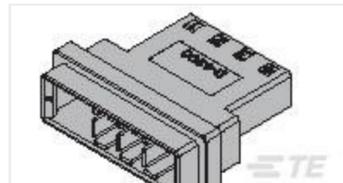
## Customers Also Bought



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



TE Part #CAT-AM7801-CH8172  
AMPSEAL 16 Housings



TE Part #1-1747414-4  
DYNAMIC 4200S TAB HSG 4P F/H X



TE Part #2005388-2  
JPT SLD 2P PLUG ASSY-1

## Documents

### Product Drawings

[AS16,PLUG ASSY,ST,06P,N SEAL,CODE C](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_776433-3\\_F\\_c-776433-3-f.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_776433-3\\_F\\_c-776433-3-f.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_776433-3\\_F\\_c-776433-3-f.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](#)

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English

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**Instruction Sheets**

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

English