



Connectors > Automotive, Truck, Bus, & Off-Road Connectors > Connector Housings > AMPSEAL 16 HOUSINGS



Connector Style: **Housing for male terminals**

Mating Pin Diameter: **1.5 mm [ .059 in ]**

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

Number of Positions: **12**

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

[All AMPSEAL 16 HOUSINGS \(153\)](#)

## Features

### Product Type Features

Connector Style	Housing for male terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Integrated in Housing
Strain Relief	Add By Accessory
Row-to-Row Spacing	5.3 mm[.209 in]

### Configuration Features

Number of Positions	12
Number of Rows	2

### Electrical Characteristics

Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 80 V, 90 V, 125 V, 240 V
Operating Voltage	250 VDC

### Body Features

Cable Exit Angle	180°
Body Material	PBT GF

Color	Gray
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Connector Code	2
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### Contact Features

Mating Pin Diameter	1.5 mm[.059 in]
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### Mechanical Attachment

Terminal Position Assurance	Yes
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Mounting Feature	Without
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Polarized	Yes
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### Housing Features

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

Height	26.65 mm[1.049 in]
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Length	37.6 mm[1.48 in]
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Width	47.55 mm[1.872 in]
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### Usage Conditions

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

Degree of Protection	IP67
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UL Flammability Rating	UL 94-HB
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### Packaging Features

Packaging Method	Package
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Packaging Quantity	125
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### Other

Serviceable	Yes
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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
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	
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欧洲化学品管理局最新发布的SvHCs候选清单: 2019年1月 (197)  
SvHCs候选清单的声明更新至: 2019年1月 (197)

Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts



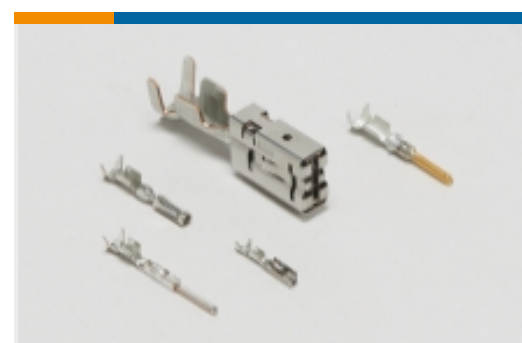
Automotive Connector Caps & Covers(6)



Automotive Seals & Cavity Plugs(1)



Automotive, Truck, Bus, & Off-Road Housings(1)



Automotive, Truck, Bus, & Off-Road Terminals(5)

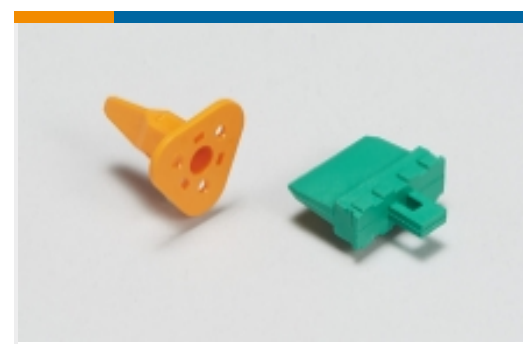


Other Automotive Connector Accessories(5)

Also in the Series | **AMPSEAL 16**



Automotive Connector  
Caps & Covers(75)



Automotive Connector  
Locks & Position Assurance  
(2)



Automotive Seals & Cavity  
Plugs(4)



Automotive, Truck, Bus, &  
Off-Road Headers(3)



Automotive, Truck, Bus, &  
Off-Road Housings(165)



Automotive, Truck, Bus, &  
Off-Road Terminals(33)



Other Automotive  
Connector Accessories(11)

## Documents

### Product Drawings

[AS 16, 12P CAP ASSY, RD, KEY 2](#)

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

### Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

### Product Specifications

[Application Specification](#)

English

776539-2

AMPSEAL 16, Housing for male terminals, Wire-to-Wire, 12 Position, Sealable, Gray,  
Code 2



[Instruction Sheets](#)

[Instruction Sheet \(U.S.\)](#)

English