



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
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Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	A



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) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) Article Safe Usage Statements: 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 # 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 # 776533-1
AS16, PLUG ASSY, ST, 12P, E SEAL, CODE A





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



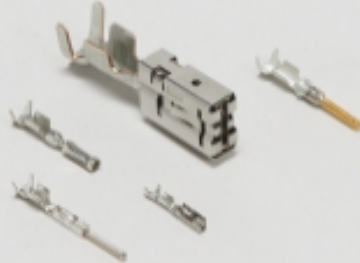
Automotive Connector Caps & Covers (3)



Automotive Connector Locks & Position Assurance (2)



Automotive Housings (244)



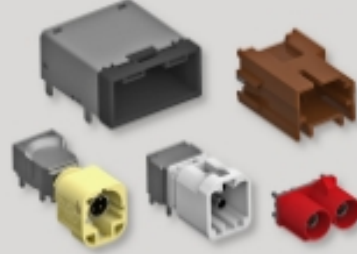
Automotive Terminals (35)



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 #776531-2
AMPSEAL 16 Housings



TE Part #540963-000
RNF-100-3/8-BK-FSP



TE Part #880686-2
.140 DIA SOCKET



TE Part #9-1904105-7
V23074A2001A403-SZ-CBOX



TE Part #2341466-1
REC CONN CVR,39POS,AMP MCP 2.8,
TOP COVER

TE Part #284723-1
COVER FOR 60 POS RECEPTACLE HO

TE Part #1480838-1
MAXI RELAY SUPORT

TE Part #1599962-2
MAXI FUSE BOX WITH JCASE ASSY

Documents

Product Drawings
AS16,CAP ASSY,ST,12P,E SEAL,CODE A
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_776539-1_C_c-776539-1-c.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_776539-1_C_c-776539-1-c.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_776539-1_C_c-776539-1-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