

## AMP | AMPSEAL 16

TE Internal #: 776438-2

Cap, Wire-to-Wire, 12 Position, .177 in [4.5 mm] Centerline, Sealable, Black, Wire & Cable, Cable Mount (Free-Hanging),

AMPSEAL 16

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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**

Troduct Type realures	
Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Сар
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing
Primary Locking Feature  Configuration Features	Integrated in Housing
	Integrated in Housing  12
Configuration Features	
Configuration Features  Number of Positions	12

180°

Black

В

**Body Features** 

Cable Exit Angle

Primary Product Color

Connector & Keying Code



### **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	

#### 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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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**

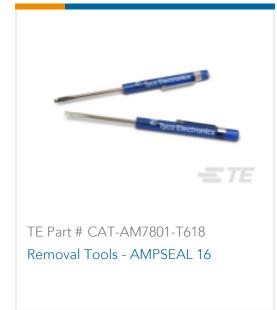




TE Part # CAT-AM7801-M8649

AMPSEAL 16 Connectors Mounting
Clips









TE Part # CAT-AM7801-T273

AMPSEAL 16 CONTACTS



# 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)



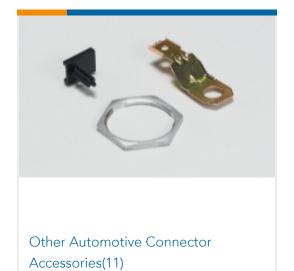
Connector Seals & Cavity Plugs(4)



Data Connectivity Headers(2)



Data Connectivity Housings(3)



# Customers Also Bought













TE Part # 9-1563173-9 96POS,MCON-1.2 CB,REC HSG,ASSY







TE Part # 0515-001-4005 PROTECT CVR, 40P, PLG, WHT, DRC16

## **Documents**

## **Product Drawings**

AS 16, 12P CAP ASSY, KEY, 2

English

## **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_776438-2\_D\_c-776438-2-d.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_776438-2\_D\_c-776438-2-d.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_776438-2\_D\_c-776438-2-d.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

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**Instruction Sheets** 

Instruction Sheet (U.S.)

English