776539-2 ✔ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776539-2

Cap, Wire-to-Wire, 12 Position, 4.5 mm [.177 in] 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

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

Body Features

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

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 # 776533-2
AS16,PLUG ASSY,ST,12P,E SEAL, CODE B



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 # 776364-1
SEALING PLUG, SZ 20 CAVITY



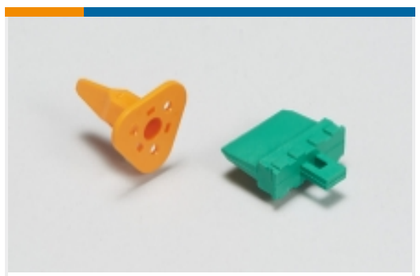
TE Part # CAT-AM7801-B128
AMPSEAL 16 Connectors Backshell

TE Part # 2448820-6
AS16,BLIND PLUG ASSY,ST,12P

Also in the Series | AMPSEAL 16



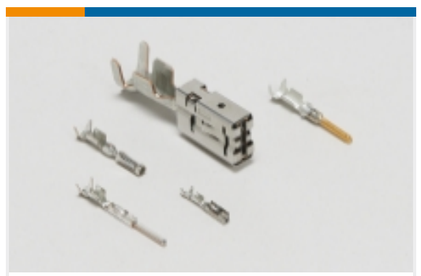
Automotive Connector Caps & Covers (3)



Automotive Connector Locks & Position Assurance(2)



Automotive Housings(244)



Automotive Terminals(35)



Connector Backshells(84)



Connector Seals & Cavity Plugs(4)



Data Connectivity Headers(2)

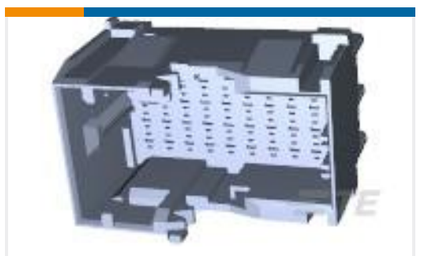


Data Connectivity Housings(3)



Other Automotive Connector Accessories(11)

Customers Also Bought



TE Part #1-1718492-1
1.5MM TAB HSG 36 POS ASSY



TE Part #1871412-1
AMPSEAL 16 Housings



TE Part #2292797-3
AS16,PLUG BACKSHELL KIT,ST,02P, NC08



TE Part #DT06-12SD-CE13
PLG, 12P, BRN, E,SEAL RET,ENH KEY, XCAP,D



TE Part #YHDP24-24-19PEL024
REC, 19P, BLK, E, WTHD, 12/16, P

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

Documents

Product Drawings

AS16,CAP ASSY,ST,12P,E SEAL,CODE B

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

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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

175977-2 3-1393225-0 936348-1 141991-2 CRGCQ2010J3K3 SMW73R0JT 1393431-1 1743455-2
1969656-1 917696-1 U5254-000005-030PA 650075-000 SBCHE154R7K 1903112-2 CPF0402B37K4E1
2310537-1 3430B2F51RTDF MPT100C18RF ROX05SJ18R 2-292161-3 2380312-2 2834055-1
3631B101LL TE50BR39J 1-794222-0 2005330-1 2377783-2 RH73H2A40MKTN SBCHE64R7K 1-962915-1