776537-2 ✔ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776537-2

Cap, Wire-to-Wire, 6 Position, 4.5 mm [.177 in] Centerline, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), AMPSEAL 16

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > AMPSEAL 16 Housings



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

Number of Positions: **6**

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	6
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	Size 16
Contact Type	Pin
Mating Pin Diameter	1.5 mm[.062 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Without
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	26.6 mm[1.05 in]
Product Width	47.5 mm[1.87 in]
Product Length	24.6 mm[.969 in]
Row-to-Row Spacing	5.3 mm[.209 in]
Compatible Insulation Diameter Range	1.3 – 3.3 mm[.051 – .131 in]
Wire Size	.5 – 2 mm²

Usage Conditions

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

Operation/Application

Circuit Application	Power

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	No

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 # 776531-2
AS16,PLUG ASSY,ST,06P,E SEAL, CODE B



TE Part # CAT-AM7801-M8649
AMPSEAL 16 Connectors Mounting Clips



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



TE Part # CAT-AM7801-T273
AMPSEAL 16 CONTACTS



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



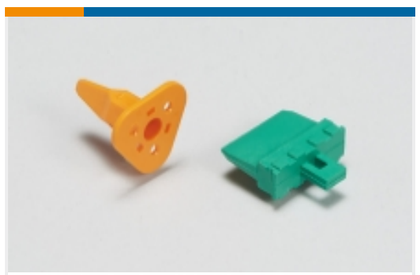
TE Part # 776364-1
SEALING PLUG, SZ 20 CAVITY

TE Part # 2448820-4
AS16,BLIND PLUG ASSY,ST,06P

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 #61299-3
SPLICE 7000-12500 .031 BR



TE Part #EE0461-000
WCSM-34/8-1200-S-(B25)



TE Part #1-962915-2
TAB 2.8x0.8 CONTACT CS SWS Ag



TE Part #2292865-3
AS16,CAP BACKSHELL KIT,ST,12P, NC16



TE Part #929930-3
JUN-POW-TIM CONTACT L/P



TE Part #2272975-1
6 Pos. Sealed MCON 1.2 Connect



TE Part #2-1904131-6
V23134A3052X540-EV-CBOX



TE Part #7-1415010-9
V23134J0165X517-EV-CBOX



TE Part #2138954-1
E3 backshell-4 posn fuel inj conn

TE Part #2342883-1
POSITION SENSOR -ELECTRONICS COMPLETE

Documents

Product Drawings

AS16,CAP ASSY,ST,06P,E SEAL,CODE B

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_776537-2_C_c-776537-2-c.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_776537-2_C_c-776537-2-c.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_776537-2_C_c-776537-2-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:

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