776433-1 ✔ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776433-1

12 V / 24 V / 240 V, 6 Position, Automotive Plug, Wire-to-Wire, 4.5 mm [.177 in] Centerline, Sealable, Black, Wire & Cable, Power, AMPSEAL 16

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings > AMPSEAL 16 Housings



Connector & Housing Type: **Plug**

Number of Positions: **6**

Sealable: **Yes**

Operating Temperature Range: **-40 – 125 °C [-40 – 257 °F]**

Number of Rows: **2**

All AMPSEAL 16 Housings (224)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Plug
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V, 240 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Connector & Keying Code	A

Contact Features

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

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	Yes
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

Row-to-Row Spacing	5.3 mm[.209 in]
Compatible Insulation Diameter Range	1.3 – 3.3 mm[.051 – .131 in]
Product Width	36.6 mm[1.44 in]
Product Length	25.3 mm[.997 in]
Connector Height	31 mm[1.22 in]
Wire Size	20 – 14 AWG

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	22
Packaging Method	Tube

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 27519261137) Decamethylcyclopentasiloxane (D5) (.5% in 27519261137) Octamethylcyclotetrasiloxane (D4) (.5% in 27519261137) **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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

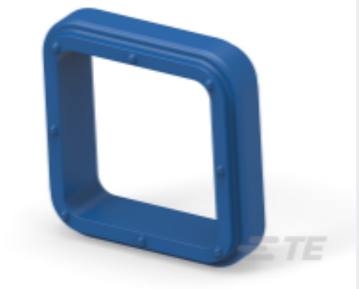
Product Compliance Disclaimer

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-T273
AMPSEAL 16 CONTACTS



TE Part # 2272179-4
AMPSEAL 16 PERIPHERAL SEAL 6P - SERVICE



TE Part # 776363-1
SEALING PLUG, SZ 16 CAVITY



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



TE Part # CAT-AM7801-CH8172
AMPSEAL 16 Housings

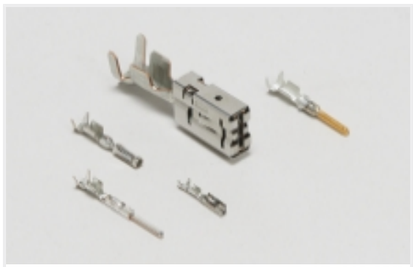


TE Part # CAT-AM7801-T618
Removal Tools — AMPSEAL 16

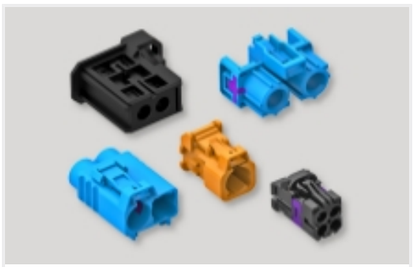
Also in the Series | AMPSEAL 16



Automotive Connector Caps & Covers (5)

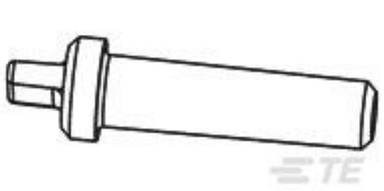


Automotive Terminals(35)



Data Connectivity Housings(8)

Customers Also Bought



TE Part #776363-1
SEALING PLUG, SZ 16 CAVITY



TE Part #CAT-AM7801-CH8172
AMPSEAL 16 Housings



TE Part #1-2203771-2
Plug Ass'y, 3P Sealed, Key B, CPA



TE Part #2345390-2
3POS,AMP MCP 2.8,REC HSG ASSY, SLD,COD 2

Documents

Product Drawings

AS16,PLUG ASSY,ST,06P,N SEAL,CODE A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_776433-1_F_c-776433-1-f.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_776433-1_F_c-776433-1-f.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_776433-1_F_c-776433-1-f.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English