

776427-1 ✓ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776427-1

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

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



Connector & Housing Type: **Plug**

Number of Positions: **2**

Sealable: **Yes**

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

Number of Rows: **1**

[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	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 80 V, 90 V, 125 V, 240 V

Body Features

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

Contact Size	1.5mm
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Contact Type	Socket
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Mating Pin Diameter	1.5 mm[.06 in]
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Mechanical Attachment

Strain Relief	Add By Accessory
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Terminal Position Assurance	Yes
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Material	PBT GF
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Centerline (Pitch)	4.5 mm[.177 in]
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Dimensions

Product Width	36.75 mm[1.447 in]
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Product Length	20.33 mm[.8 in]
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Connector Height	23.5 mm[.925 in]
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Usage Conditions

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

IP Rating	IP67
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UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Method	Tube
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Packaging Quantity	27
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Other

Serviceable	Yes
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Connector Position Assurance Capable	Yes
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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	<p>Current ECHA Candidate List: JAN 2025 (247)</p> <p>Candidate List Declared Against: JAN 2025 (247)</p> <p>SVHC > Threshold:</p> <p>Dodecamethylcyclhexasiloxane (D6) (.5% in 27519454051)</p> <p>Decamethylcyclopentasiloxane (D5) (.5% in 27519360994)</p> <p>Octamethylcyclotetrasiloxane (D4) (.5% in 27519360994)</p> <p>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.</p>
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 # 1939556-9
AMP SEAL16 2P CAP ASSY WITH RESIST 20K



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



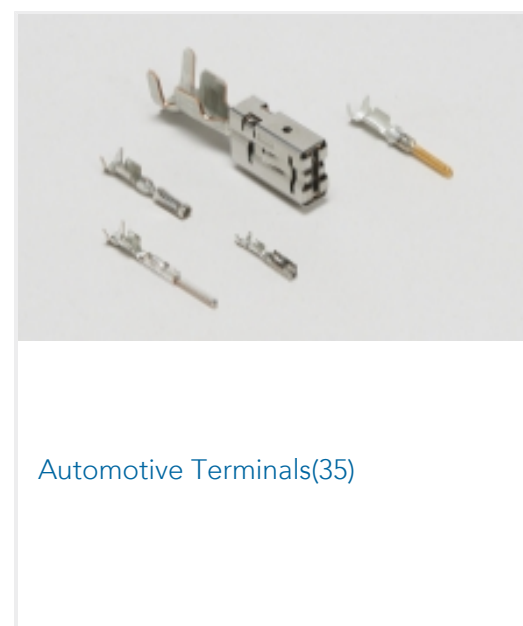
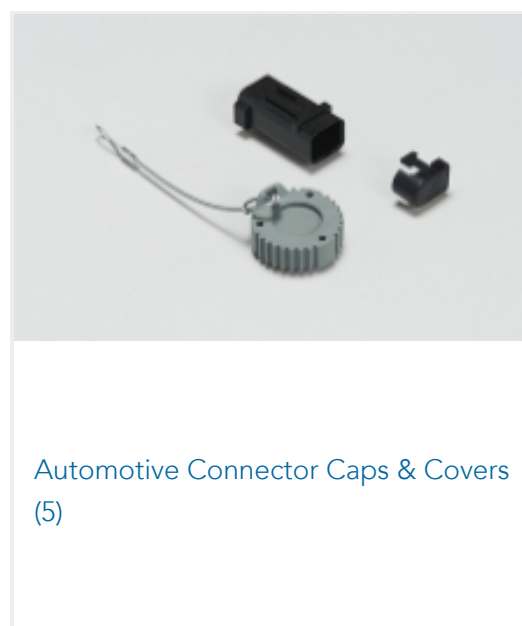
TE Part # CAT-AM7801-CH8172
AMPSEAL 16 Housings



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



Also in the Series | AMPSEAL 16



Customers Also Bought



Documents

Product Drawings

[AS16,PLUG ASSY,ST,02P,N SEAL,CODE A](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_776427-1_H_c-776427-1-h.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_776427-1_H_c-776427-1-h.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_776427-1_H_c-776427-1-h.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