

776537-1 ✓ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776537-1

12 V / 240 V / 48 V, 6 Position, Automotive Cap, Wire-to-Wire, 4.5 mm [.177 in] Centerline, Sealable, Black, Wire & Cable, Power, AMPSEAL 16

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



Nominal Voltage Architecture: 12 V, 24 V, 48 V, 240 V

Connector & Housing Type: Cap

Number of Positions: 6

Sealable: Yes

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

[All AMPSEAL 16 Housings \(224\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Cap
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
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Contact Features

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

Strain Relief	Without
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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

Row-to-Row Spacing	5.3 mm[.209 in]
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Compatible Insulation Diameter Range	1.3 – 3.3 mm[.051 – .131 in]
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Product Width	47.5 mm[1.87 in]
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Product Length	24.6 mm[.969 in]
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Connector Height	26.6 mm[1.05 in]
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Wire Size	20 – 14 AWG
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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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Operation/Application

Circuit Application	Power
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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 Quantity	1
Packaging Method	Bag

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

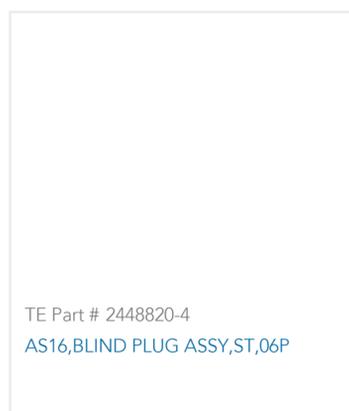
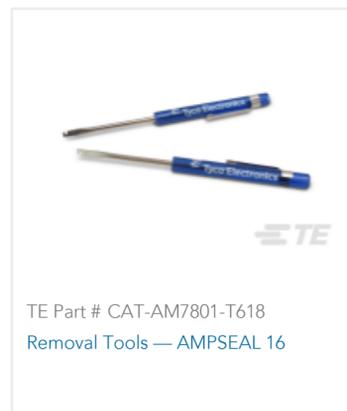
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) 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: Octamethylcyclotetrasiloxane (D4) (.5% in 27519360985) Decamethylcyclopentasiloxane (D5) (.5% in 27519360985) Dodecamethylcyclohexasiloxane (D6) (.5% in 27519360985) 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 < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

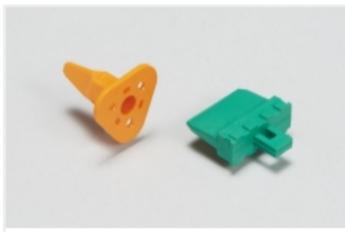
Product Compliance Disclaimer

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



Also in the Series | **AMPSEAL 16**



Automotive Connector Locks & Position Assurance(6)



Automotive Housings(241)



Automotive Seals & Cavity Plugs(11)

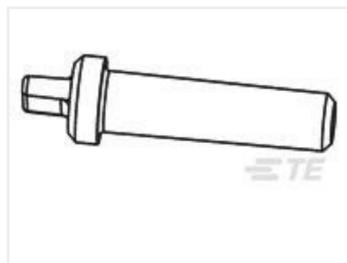
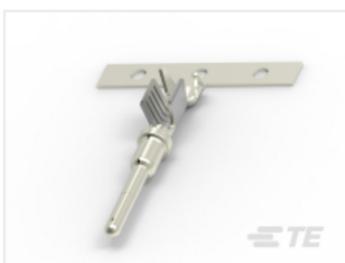
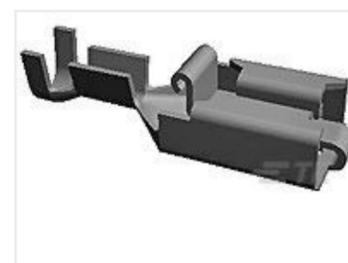


Data Connectivity Headers(9)



Other Automotive Connector Accessories(8)

Customers Also Bought

TE Part #HDP26-24-23SE-L017
PLG, 23P, BLK, E, RNG, 16, STE Part #776364-1
SEALING PLUG, SZ 20 CAVITYTE Part #CAT-AM7801-CH8172
AMPSEAL 16 HousingsTE Part #1-964298-3
TAB A 2.8x0.8 CONTACT CS SWS AuTE Part #2098252-3
PIN, SF, SIZE 16, 14-16 AWG, NI/SNTE Part #2292800-3
AS16,PLUG BACKSHELL KIT,ST,06P,
NC12TE Part #2292863-3
AS16,CAP BACKSHELL KIT,ST,06P,
NC12TE Part #154718-4
PL 250 REC TERMINAL 17-15 AWG
TPPB

Documents

Product Drawings

[AS16,CAP ASSY,ST,06P,E SEAL,CODE A](#)

English

CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_776537-1_C_c-776537-1-c.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_776537-1_C_c-776537-1-c.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_776537-1_C_c-776537-1-c.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