776532-3 • ACTIVE

AMP | AMPSEAL 16 TE Internal #: 776532-3 Plug, Wire-to-Wire, 8 Position, .177 in [4.5 mm] 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: 8

Connector & Housing Type: Plug

Centerline (Pitch): 4.5 mm [.177 in]

Sealable: Yes

All AMPSEAL 16 Housings (224)

Features

Product Type Features

Mixed & Hybrid Connector

Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Plug
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing
Configuration Features	
Number of Positions	8
Number of Rows	2
Electrical Characteristics	
Operating Voltage	250 VDC
Body Features	
Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	С

Plug, Wire-to-Wire, 8 Position, .177 in [4.5 mm] Centerline, Sealable, Black, Wire & Cable, Cable Mount (Free-Hanging), AMPSEAL 16



Contact Features

Terminal Position Assurance Yes Strain Rollef Add By Accessory Mating Alignment Type Keyed Mating Alignment Type With Connector Mounting Type Cable Mount (Free-Hanging) Housing Material PBT GF Centerline (Pitch) A15 mm[.127 in] Connector Height A15 mm[.124 in] Product Length 3.68 mm[1.449 in] Product Length S.3 mm[.125 in] Row-to-Row Spacing S.3 mm[.202 in] Operating Temperature Range 40 – 125 °C[:40 – 257 °F] Operating Temperature Range IPS Pagree of Protection IPS Degree of Protection UP 40HB Charmability Rating IPS Packaging Quantity IP		
A Mating Pin Diameter1.5 mml.06 imjMating Pin Diameter1.5 mml.06 imjMating Pin DiameterYesImminal Position AssuranceYesStrain ReliefAdd By AccessoryMating Alignment TypeKeyedMating Alignment TypeGable Mount (Free-Hanging)Connector Mounting TypeGable Mount (Free-Hanging)Connector Mounting TypeGable Mount (Free-Hanging)Possing MaterialPBI GFConnector Height9.81 GFConnector Height9.81 GFConnector Height3.5 mml.124 injProduct Length3.64 mml.1449 injProduct Length3.64 mml.1449 injProduct Length9.93 mml.155 injRowto-Row Spacing3.01 ml.209 injRowto-Row Spacing1.95 Cr[>50 °F]Operating Temperature (Max)1.95 Cr[>50 °F]Operating Temperature Range-40 - 125 °C]-40 - 257 °F]Pagnee of ProtectionIfa/7UF Hernmability RatingUL94HBPackaging Quantity19Packaging Quantity10Packaging Quantity10Packaging Quantity10Packaging Method10Contextor10Contextor10Packaging Method10Packaging Method10Packaging Method10Packaging Method10Packaging Method10Packaging Method10Packaging Method10Packaging Method10Packaging Method10	Contact Size	1.5mm
Hechanical AttachmentYesTerminal Position AssuranceYesStrain ReliafAdd Ry AccessoryMating Alignment TypeKayedMating AlignmentWithConnector Mounting TypeCable Mount (Iree-Hanging)Housing FeaturesUHousing MaterialPBT GFCenterline (Pitch)Als mm(1477 in)Connector Height1.5 mm(1424 in)Product Width263 mm(1449 in)Product Length29.33 mm(1455 in)Now-to-Row Spacing5.3 mm(202 in)Operating Temperature (Max)125 C(25 °I)Operating Temperature Range10-125 °C(40 - 257 °F)Pagee of Protection115/10U Flammability Rating19/4Packaging Quantity19Packaging Quantity19Packaging Quantity19Packaging Quantity19Packaging Quantity19Packaging Mathod10-125 °C(25 °C)Packaging Quantity19Packaging Quantity19Packaging Quantity19Packaging Quantity19Packaging Quantity19Packaging Mathod10-125 °C)Packaging Mathod10-125 °C)Packaging Mathod19Packaging Mathod19Packaging Mathod19Packaging Mathod19Packaging Mathod10-125 °C)Packaging Mathod19Packaging Mathod19Packaging Mathod19Packaging Mathod19Packaging Mat	Contact Type	Socket
Terminal Position AssuranceYesTerminal Position AssuranceXesStrain ReliefAdd By AccessoryMating Alignment TypeKeyedMating AlignmentWithConnector Mounting TypeCable Mount (I ree-Hanging)Housing MaterialPBT GFCenterline (Pitch)Afs mm[.177 in]Connector Height3.5 mm[.124 in]Product Width3.68 mm[.149 in]Product Width3.68 mm[.149 in]Product Width3.63 mm[.200 in]Now to Row Spacing5.3 mm[.200 in]Operating Temperature (Max)12 s°C[25 r°]Operating Temperature Range40 - 125 °C[40 - 257 °F]Operating Temperature RangeU P4HBUter Farmability RetingU P4HBPackaging Ouantity19Packaging Ouantity19Packaging MethodIubeServiceableYes	Mating Pin Diameter	1.5 mm[.06 in]
Strain ReliefAdd By AccessoryMating Alignment TypeKeyadMating AlignmentWthConnector Mounting TypeCable Mount (Free-Hanging)Housing FeaturesFBT GFCenterline (Pitch)PBT GFCenterline (Pitch)S. smm[.177 in]DimensionsS. smm[.142 in]Product WidthS. smm[.142 in]Product LengthS. smm[.125 in]Now-to-Row SpacingS. smm[.200 in]Operating Temperature (Max)S. Smm[.202 in]Operating Temperature Range-uo125 °C[-40 – 257 °F]Operating Temperature RangeIP67UL Flammability RatingNetWillPackaging QuantityIpPackaging QuantityIpPackaging MethodTubePericeableVericeable	Mechanical Attachment	
Mating Alignment Type Keyed Mating Alignment Type With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features BBT GF Fouring Features As smn[1.77 in] Centerline (Pitch) 3.5 mm[1.74 in] Dimensions Som(1.449 in] Product Height 3.68 mm[1.449 in] Product Width 36.8 mm[1.449 in] Product Length 2.9.33 mm[1.155 in] Row-to-Row Spacing Journations User Conditions	Terminal Position Assurance	Yes
Mating AlignmentWithConnector Mounting TypeCable Mount (Free Hanging)Connector Mounting TypeCable Mount (Free Hanging)Housing FeaturesPT GFHousing MaterialPT GFCenterline (Pitch)A5 mm[.177 in]DimensionsSinf (1.24 in]Product Height3.6.3 mm[1.49 in]Product Width3.6.3 mm[1.49 in]Now to Row SpacingS.3 mm[.155 in]Now to Row SpacingS.3 mm[.209 in]Operating Temperature (Max)125 °C[740 – 257 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Operating Temperature RangeIP67Ut Hammability RatingU 94HBPackaging Ouantity19Packaging MethodTubePackaging MethodTubePackaging MethodTubeCincepleYes	Strain Relief	Add By Accessory
Connector Mounting TypeCable Mount (Free-Hanging)Housing FeaturesPBT CFHousing MaterialPBT CFCenterline (Pitch)A.5 mm[.177 in]DimensionsS.1 mm[1.24 in]Product Width36.8 mm[1.449 in]Product WidthS.3 mm[1.49 in]Product WidthS.3 mm[.125 in]Row-to-Row SpacingS.3 mm[.209 in]Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-40 - 125 °C[-40 - 257 °F]Operating Temperature RangeUS PUIS °C[-40 - 257 °F]Operating Temperature RangeUS °C[257 °F]Packaging FeaturesUS °C[257 °F]Packaging QuantityIP67Packaging QuantityIP67Packaging MethodIS °C[257 °F]Packaging MethodIP67Packaging MethodIP67Packaging QuantityIP67Packaging QuantityIP67Packaging MethodIP67Packaging Method	Mating Alignment Type	Keyed
Housing FeaturesHousing MaterialPBT GFI centerline (Pitch)As mm[177 in]DimensionsSi Smm[1.424 in]Connector Height3.68 mm[1.424 in]Product Width3.68 mm[1.424 in]Product Width3.68 mm[1.429 in]Now-to-Row SpacingS.3 mm[.209 in]Row-to-Row SpacingS.3 mm[.209 in]Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-40 - 125 °C[40 - 257 °F]I U Flammability RatingU P4HBOperating Temperature RangeIP67I L Flammability RatingIL 94HBPackaging Quantity19Packaging MethodTubeOtherSarowana (Sarowana (Saro	Mating Alignment	With
Housing MaterialPBT GFHousing MaterialPBT GFIonentine (Pitch)4.5 mm[.177 in]Dimensions31.5 mm[.124 in]Connector Height36.8 mm[1.449 in]Product Width36.8 mm[1.449 in]Product Width29.33 mm[.155 in]Now-to-Row Spacing29.33 mm[.155 in]Operating Temperature (Max).3 mm[.209 in]Operating Temperature (Max)125 °C[257 °F]Operating Temperature (Max).40 - 125 °C[4-0-257 °F]Operating Temperature Range.967Out Flarmability Rating.967Out Flarmability Rating.914 HBPackaging Quantity19Packaging Method.10aeOtherServiceableYea	Connector Mounting Type	Cable Mount (Free-Hanging)
Centerline (Pitch)1.5 mm[.177 in]Dimensions1.5 mm[.124 in]Dimensions3.6 mm[.142 in]Product Width3.6 mm[.142 in]Product Width9.33 mm[.155 in]Product Length9.33 mm[.105 in]Row-to-Row Spacing0.3 mm[.209 in]Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range40 - 125 °C[40 - 257 °F]Operating Temperature Range102 °C[40 - 257 °F]Pagee of Protection1967U. Flarmability Rating10 yetHBPackaging Quantity19Packaging Method10OtherComparisonServiceableYes	Housing Features	
DimensionsConnector Height31.5 mm[1.24 in]Product Width36.8 mm[1.449 in]Product Length36.8 mm[1.459 in]Product Length5.3 mm[2.09 in]Row-to-Row Spacing5.3 mm[2.09 in]Usage Conditions15.°C[257 °F]Operating Temperature Range40-125 °C[-40-257 °F]Operating Temperature Range1967Operating Temperature Range1967UL Flammability Rating10.94 HBOperating Countity19Packaging Quantity19Packaging Method10NoteCurrerServiceableYes	Housing Material	PBT GF
Connector Height31.5 mm[1.24 in]Product Width36.8 mm[1.449 in]Product Length29.33 mm[1.155 in]Row-to-Row Spacing5.3 mm[209 in]Row-to-Row Spacing3.0 mm[209 in]Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-40 - 125 °C[40 - 257 °F]Industry StandardsUUL Flammability RatingUPackaging Quantity19Packaging Quantity19Packaging MethodTubeCherServiceableYenceYence	Centerline (Pitch)	4.5 mm[.177 in]
Product Width36.8 mm[1.419 in]Product Length29.33 mm[1.155 in]Row-to-Row Spacing5.3 mm[209 in]Row-to-Row Spacing5.3 mm[209 in]Usage Conditions125 °C[257 °F]Operating Temperature (Max)40 - 125 °C[40 - 257 °F]Operating Temperature Range-40 - 125 °C[40 - 257 °F]Industry Standards1967UL Flammability Rating19Packaging Method19Packaging MethodTubeServiceableYes	Dimensions	
Product Length29.33 mm[1.155 in]Row-to-Row Spacing5.3 mm[.209 in]Row-to-Row Spacing5.3 mm[.209 in]Usage Conditions125 °C[257 °F]Operating Temperature Range-40 - 125 °C[-40 - 257 °F]Industry Standards-40 - 125 °C[-40 - 257 °F]Degree of ProtectionIP67U. Flammability RatingU. 94HBPackaging Guantity19Packaging Method10ServiceableYes	Connector Height	31.5 mm[1.24 in]
Row-to-Row Spacing5.3 mm[.209 in]Row-to-Row Spacing5.3 mm[.209 in]Usage Conditions125 °C[257 °F]Operating Temperature (Max)40 – 125 °C[-40 – 257 °F]Operating Temperature Range40 – 125 °C[-40 – 257 °F]Industry Standards1967UL Flammability Rating10-94HBPackaging Quantity19Packaging Method10-94HBOther10-94HBServiceable198Serviceable <th< td=""><td>Product Width</td><td>36.8 mm[1.449 in]</td></th<>	Product Width	36.8 mm[1.449 in]
Usage ConditionsOperating Temperature (Max)125 °C[257 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Industry Standards-125 °C[-40 – 257 °F]Industry Standards-125 °C[-40 – 257 °F]Degree of Protection1P67U Flammability RatingUL 94HBPackaging Peatures-125 °C[-40 – 257 °F]Packaging Quantity19Packaging MethodTubeOther-125 °C[-40 – 257 °F]ServiceableYes	Product Length	29.33 mm[1.155 in]
Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Industry Standards-40 – 125 °C[-40 – 257 °F]Degree of ProtectionIP67U Flammability RatingUL 94HBPackaging Features-Packaging Quantity19Packaging MethodTubeOther-ServiceableYes	Row-to-Row Spacing	5.3 mm[.209 in]
Operating Temperature Range -40 – 125 °C[-40 – 257 °F] Industry Standards Info Degree of Protection IP67 UL Flammability Rating UL 94HB Packaging Cuantity 19 Packaging Method Tube Other Serviceable	Usage Conditions	
Industry Standards IP67 Degree of Protection IP67 UL Flammability Rating UL 94HB Packaging Features IP67 Packaging Quantity 19 Packaging Method Tube Other Yes	Operating Temperature (Max)	125 °C[257 °F]
Degree of Protection IP67 UL Flammability Rating UL 94HB Packaging Features IP67 Packaging Quantity 19 Packaging Method Tube Other Serviceable	Operating Temperature Range	-40 - 125 °C[-40 - 257 °F]
UL Flammability Rating UL 94HB Packaging Features 19 Packaging Method Tube Other Serviceable	Industry Standards	
Packaging Features 19 Packaging Method Tube Other Serviceable	Degree of Protection	IP67
Packaging Quantity19Packaging MethodTubeOtherServiceable	UL Flammability Rating	UL 94HB
Packaging Method Tube Other Yes	Packaging Features	
Other Serviceable Yes	Packaging Quantity	19
Serviceable Yes	Packaging Method	Tube
	Other	
Connector Position Assurance Capable Yes	Serviceable	Yes
	Connector Position Assurance Capable	Yes

Product Compliance

C For support call+1 800 522 6752

Plug, Wire-to-Wire, 8 Position, .177 in [4.5 mm] Centerline, Sealable, Black, Wire & Cable, Cable Mount (Free-Hanging), AMPSEAL 16



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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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-

Compatible Parts

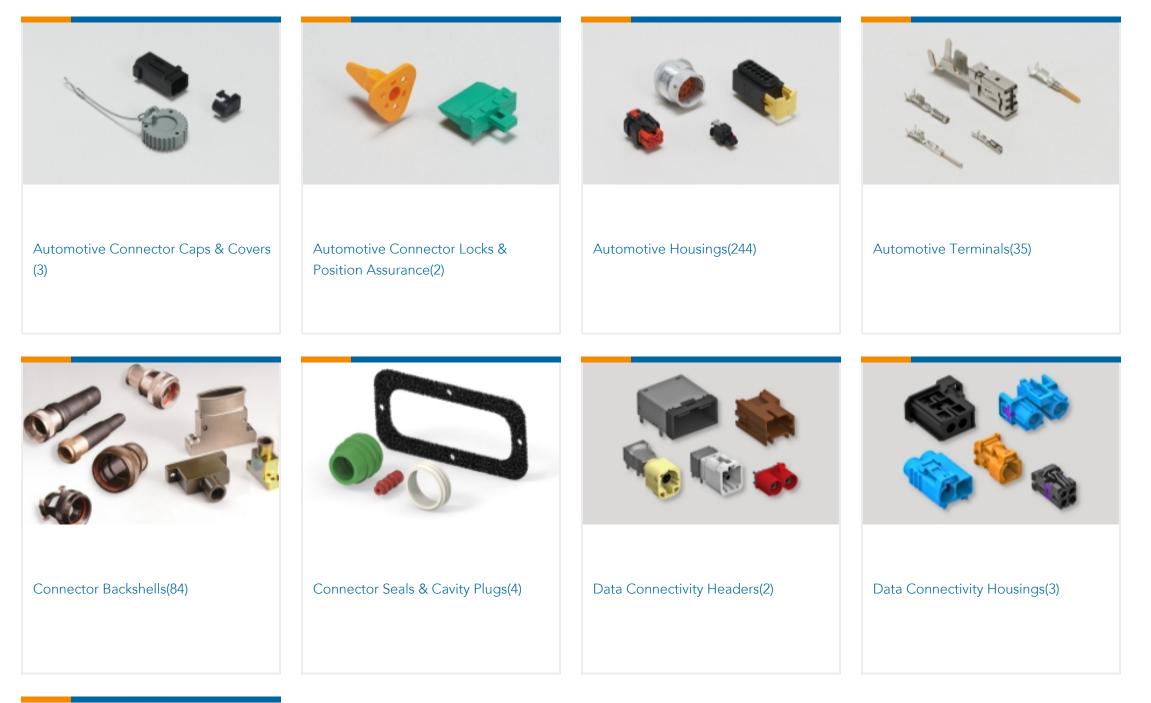




Plug, Wire-to-Wire, 8 Position, .177 in [4.5 mm] Centerline, Sealable, Black, Wire & Cable, Cable Mount (Free-Hanging), AMPSEAL 16



Also in the Series AMPSEAL 16





Other Automotive Connector Accessories(11)

Customers Also Bought



Documents

Product Drawings

AS 16, 8P PLUG ASSY, RD, KEY 3

English

CAD Files

3D PDF

3D

Plug, Wire-to-Wire, 8 Position, .177 in [4.5 mm] Centerline, Sealable, Black, Wire & Cable, Cable Mount (Free-Hanging), AMPSEAL 16



Customer View Model

ENG_CVM_CVM_776532-3_F_c-776532-3-f.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_776532-3_F_c-776532-3-f.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_776532-3_F_c-776532-3-f.3d_stp.zip

English

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Product Specifications

Application Specification

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Instruction Sheets Instruction Sheet (U.S.)

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