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

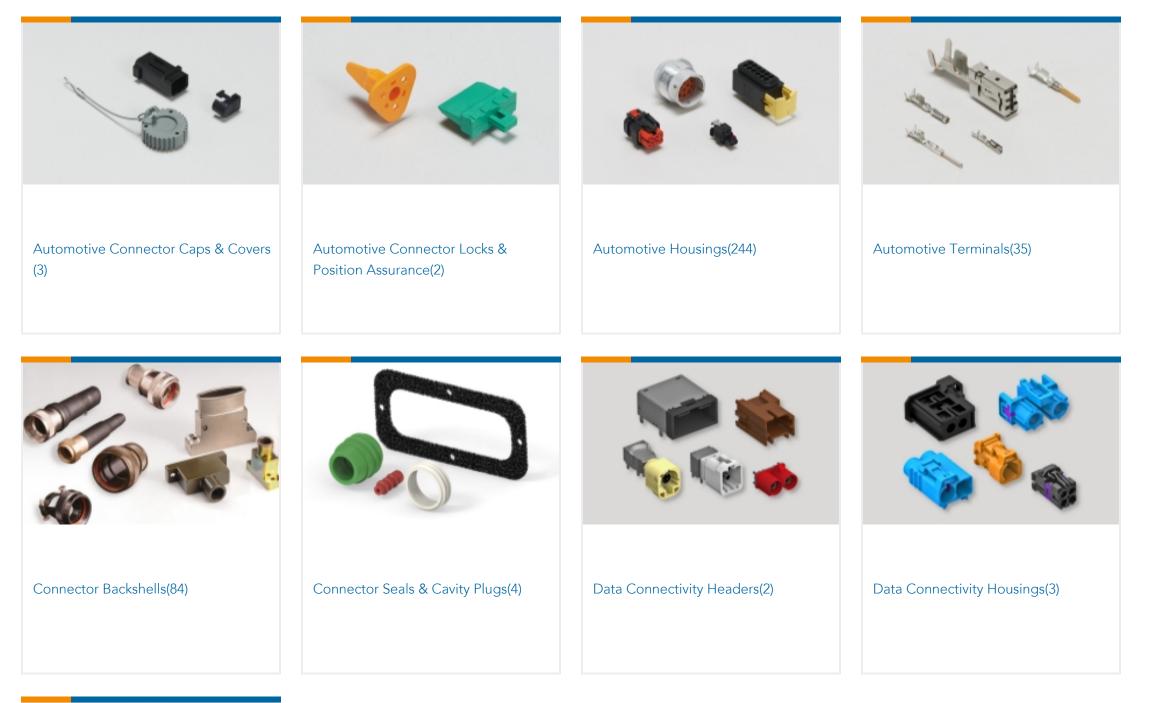




Plug, Wire-to-Wire, 8 Position, .177 in [4.5 mm] Centerline, Sealable, Black, Wire & Cable, Cable Mount (Free-Hanging), AMPSEAL 16



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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Datasheets & Catalog Pages ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

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Product Specifications

Application Specification

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Instruction Sheets Instruction Sheet (U.S.)

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